



Résultats des essais variétaux de maïs ensilage 2023

Resultate der Hauptversuche Silomais 2023

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Legende / Légende

KM01	Körnermais früh / <i>maïs grain précoce</i>	SM01	Silomais früh / <i>maïs ensilage précoce</i>	STD / T / FS	Standardsorte (STD) weitere Sorte aus Sortenliste (T) oder Füllsorte (FS) / <i>variété de référence (STD) autre variété de la liste recommandée (T=témoin) ou pour compléter l'essai (FS)</i>
KM11	Körnermais mittelfrüh / <i>maïs grain mi-précoce</i>	SM11	Silomais mittelfrüh / <i>maïs ensilage mi-précoce</i>		
KM21	Körnermais mittelspät – spät / <i>maïs grain mi- tardif – tardif</i>	SM21	Silomais mittelspät – spät / <i>maïs ensilage mi-tardif – tardif</i>	e1 / e2 / e3	Neue Sorte 1., 2. bzw. 3. Prüffahr Liste empfohlener Sorten / <i>nouvelle variété 1^{ère}, 2^{ème} ou 3^{ème} année pour liste recommandée</i>
KM31	Körnermais spät / <i>maïs grain tardif</i>	SM31	Silomais spät / <i>maïs ensilage tardif</i>		
KM41	Körnermais mittelfrüh Tessin / <i>maïs grain mi-précoce Tessin</i>	SM41	Silomais mittelfrüh Tessin / <i>maïs ensilage mi- précoce Tessin</i>	1. / 2. / 3.	Neue Sorte 1., 2. bzw. 3. Prüffahr Nationaler Sortenkatalog / <i>nouvelle variété 1^{ère}, 2^{ème} ou 3^{ème} année pour catalogue national</i>
KM42	Körnermais mittelspät – spät Tessin / <i>maïs grain mi-tardif – tardif Tessin</i>	SM42	Silomais mittelspät – spät Tessin / <i>maïs ensilage mi-tardif – tardif Tessin</i>		

Danksagung

Die vorliegenden Ergebnisse sind nur aufgrund dem Mitwirken verschiedener Personen möglich geworden. Wir bedanken uns deshalb ganz besonders bei den Landwirten der verschiedenen Versuchsstandorte, den Personen bei DSP Delley, den Personen, die in den Qualitätslaboren in Changins und Posieux mitgearbeitet haben, sowie den zahlreichen Hilfskräften für ihre wertvolle Unterstützung und die angenehme Zusammenarbeit.

1 Merkmale / Critères

Rendement / Ertrag

- Rendement en matière sèche de la plante entière en dt/ha
- Trockensubstanzertrag der ganzen Pflanzen in dt/ha

Précocité / Frühreife

- Teneur en matière sèche de la plante entière à la récolte en %
- Trockensubstanzgehalt der ganzen Pflanzen am Erntetag in %

Vigueur au départ / Jugendentwicklung

- Vigueur au départ de la végétation (note 1 = très bon, note 9 = très mauvais)
- Note 1 = sehr gute, Note 9 = sehr schlechte Jugendentwicklung

Verse en végétation / Wurzellager während Vegetation

- % de plantes versées en cours de végétation
- % gelagerte Pflanzen während der Vegetation

Verse à la récolte / Wurzellager zum Zeitpunkt der Ernte

- % de plantes versées à la récolte
- % gelagerte Pflanzen zum Zeitpunkt der Ernte

Charbon / Beulenbrand

- % de plantes attaquées par le charbon
- % Befall mit Beulenbrand

Hauteur / Pflanzenhöhe

- Hauteur de la plante en cm, du sol jusqu'à la première branche latérale de la panicule
- Pflanzenhöhe in cm, vom Boden bis zum untersten Seitenast der Fahne gemessen

Hauteur de l'épi / Ansatzhöhe des Hauptkolbens

- Hauteur d'insertion de l'épi supérieur en cm
- Ansatzhöhe des obersten Kolbens in cm

Hauteur relative de l'épi / Relative Kolbenansatzhöhe

- Hauteur relative d'insertion de l'épi supérieur par rapport à la hauteur de la plante
- Ansatzhöhe des obersten Kolbens in Relation zur Pflanzenhöhe

Floraison / Blühbeginn

- Nombre de jours du semis à 50% de la floraison femelle / male
- Anzahl Tage zwischen Saat und 50% weiblicher / männlicher Blüte

Pyrale / Maiszünsler

- % de plantes endommagées
- % geschädigte Pflanzen (Maiszünsler)

Densité / Bestandesdichte

- Densité effective des plantes au m² à la récolte
- Effektive Bestandesdichte bei der Ernte in Pflanzen pro m²

Digestibilité (NIRS) [ELOS] / Gehalt verdauliche organische Substanz (NIRS) [ELOS]

- Teneur en matière organique digestible (MOD) en g/kg MS
- Gehalt an verdaulicher organischer Substanz (VOS) der künstlich getrockneten ganzen Pflanzen in g/kg TS

Teneur en amidon (NIRS) / Stärkegehalt (NIRS)

- Teneur en amidon de la plante entière en g/kg MS
- Stärkegehalt der ganzen Pflanze in g/kg TS

Teneur en cellulose brute (NIRS) / Rohfaser (NIRS)

- Teneur en cellulose brute de la plante entière en g/kg MS
- Rohfasergehalt der ganzen Pflanzen in g/kg TS

NDF (NIRS) / Zellwandanteil (NIRS)

- Teneur en fibres de la plante entière (Neutral Detergent Fibre) en g/kg MS
- Zellwandanteil in der ganzen Pflanze (Neutral Detergent Fibre) in g/kg TS

ADF (NIRS) / ADF (NIRS)

- Teneur en fibres insoluble dans les détergents acides (Acid Detergent Fibre) en g/kg MS
- Säure-Detergentien-Faser (Acid Detergent Fibre) in g/kg TS

ADL (NIRS) / ADL (NIRS)

- Lignine (Acid Detergent Lignin) en g/kg MS
- Lignin (Acid Detergent Lignin) in g/kg TS

Teneur en protéines (NIRS) / Proteingehalt (NIRS)

- Teneur en protéines de la plante entière en g/kg MS
- Rohproteingehalt der ganzen Pflanzen in g/kg TS

NEL / NEL

- Energie nette pour la lactation en mégajoules par kg MS
- Nettoenergie Laktation in Megajoules pro kg TS

NEV / NEV

- Energie nette pour la production de viande en mégajoules par kg MS
- Nettoenergie für die Fleischproduktion in Megajoules pro kg TS

2 Indexberechnung für Silomais / Calcul de l'indice pour le maïs ensilage

- Le calcul de l'indice est obtenu par les valeurs moyennes de chaque critère des deux meilleures variétés standard (= valeur de base). Les indices partiels pondérés de chaque critère sont encore pondérés d'après le nombre d'observations réalisées (nombre de lieux d'essais).
- Als Basis für die Indexberechnung dienen die Merkmalsmittelwerte der zwei besten mitgeprüften Standardsorten (= Basiswert). Zusätzlich zur nachfolgend beschriebenen Gewichtung der Teilindizes werde diese entsprechend der gemachten Anzahl Beobachtungen (Anzahl Versuchsorte) gewichtet.

Qualité / Qualität:

- Teneur en matière organique digestible (MOD) de la plante entière (g/kg MS) de la variété testée moins la valeur de base; facteur de pondération 0,4
- Gehalt an verdaulicher organischer Substanz der ganzen Pflanzen in g/kg TS der zu beurteilenden Sorte minus Basiswert; Gewichtungsfaktor 0,4

Rendement / Ertrag :

- Rendement en matière sèche (en dt/ha) de la variété testée moins la valeur de base; facteur de pondération 0,5
- TS-Ertrag (in dt/ha) der zu beurteilenden Sorte minus Basiswert; Gewichtungsfaktor 0,5

Précocité / Reife :

- Teneur en matière sèche de la plante entière (en %) de la variété testée moins la valeur de base; facteur de pondération 1,25
- Ganzpflanzen-Trockensubstanzgehalt (in %) der zu beurteilenden Sorte abzüglich Basiswert; Gewichtungsfaktor 1,25

Vigueur au départ / Jugendentwicklung :

- Valeur de base moins la note de la variété testée; facteur de pondération 0,5
- Basiswert minus Note der zu beurteilenden Sorte; Gewichtungsfaktor 0,5.

Verse en végétation / Lagerung während Vegetation :

- Valeur de base moins le pourcentage de plantes versées (en %) de la variété testée; facteur de pondération 0,25
- Basiswert minus Anteil gelagerter Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,25.

Verse à la récolte / Lagerung bei Ernte :

- Valeur de base moins le pourcentage de plantes versées (en %) de la variété testée; facteur de pondération 0,75
- Basiswert minus Anteil gelagerter Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,75.

Plantes cassées à la récolte / Stängelbruch bei Ernte :

- Valeur de base moins le pourcentage de plantes cassées (en %) de la variété testée; facteur de pondération 0,75
- Basiswert minus Anteil gebrochenen Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,75.

Charbon / Beulenbrand :

- Valeur de base moins le pourcentage de plantes atteintes (en %) de la variété testée; facteur de pondération 0,25
- Basiswert minus Anteil befallenen Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,25.

Indice global / Gesamtindex :

- Somme de tous les indices partiels
- Summe aller Teilindizes

3 Meteorologische Daten / *Données météorologiques*

Frühling / *Printemps*

Nach einem milden März blieb die Apriltemperatur verbreitet unterdurchschnittlich. Die Maitemperatur lag im landesweiten Mittel etwas über dem Durchschnitt. Alle drei Frühlingsmonate brachten der Schweiz verbreitet eine unterdurchschnittliche Sonnenscheindauer. Dazu waren der März und April in vielen Gebieten niederschlagsreich, mit Ausnahme der Alpensüdseite. Im Mai fiel vor allem am zentralen und östlichen Alpennordhang und in Teilen Graubündens reichlich Niederschlag.

Temperatur / *températures*

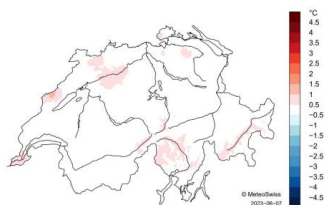


Abb 1: Räumliche Verteilung der Frühlingstemperatur 2023 (März bis Mai) als Abweichung (°C) zur Norm 1991-2020.

Niederschlag / *précipitations*

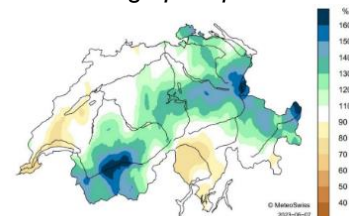


Abb 2: Räumliche Verteilung der Niederschlagssumme im Frühling 2023 (März bis Mai) dargestellt in % der Norm 1991-2020.

Sommer / *été*

Die Schweiz erlebte den fünftwärmsten Sommer seit Messbeginn 1864. Er brachte zwei ausgeprägte Hitzewellen auf der Alpennordseite und drei auf der Alpensüdseite. Die Niederschlagsmengen blieben in der Westschweiz unterdurchschnittlich. Im Wallis, im Süden und in der Ostschweiz lagen die Mengen meist im Bereich des Durchschnitts oder leicht darüber, vor allem als Folge von Unwettern gegen Ende August. Die Sonnenscheindauer lag verbreitet über dem Durchschnitt, insbesondere dank sehr sonniger Verhältnisse im Juni.

Sonnenscheindauer / *durée d'ensoleillement*



Abb 3: Räumliche Verteilung der Sonnenscheindauer im Sommer 2023 (Juni bis August), dargestellt in in % der Norm 1991-2020.

Niederschlag / *précipitations*

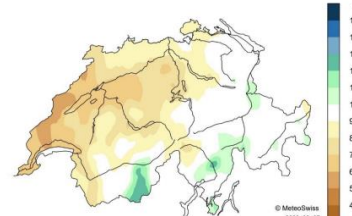


Abb 4: Räumliche Verteilung der Niederschlagssumme im Sommer 2023 (Juni bis August) dargestellt in % der Norm 1991-2020.

Herbst / *automne*

Die Schweiz verzeichnete regional den wärmsten Herbst seit Messbeginn. Er brachte im landesweiten Mittel den wärmsten September und den zweitwärmsten Oktober. Die Wärme war von viel Sonnenschein begleitet, was lokal zum sonnigsten Herbst seit Messbeginn führte. Auf der Alpennordseite und im Wallis folgte darauf vielerorts der nasseste und lokal einer der sonnenärmsten November seit Messbeginn.

Temperatur / *durée d'ensoleillement*

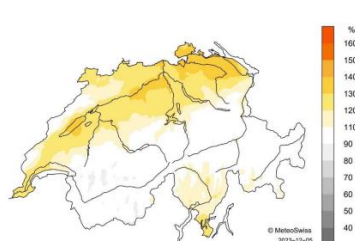


Abb 5: Räumliche Verteilung der Sonnenscheindauer im Herbst 2023 (September bis November), dargestellt in in % der Norm 1991-2020.

Niederschlag / *précipitations*

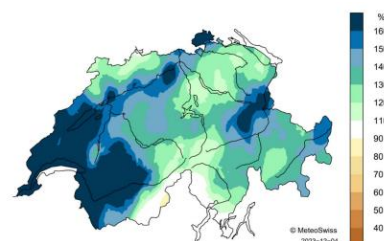


Abb 6: Räumliche Verteilung der Niederschlagssumme im Herbst 2023 (September bis November) dargestellt in % der Norm 1991-2020.

Quelle: MeteoSchweiz 2023: Klimabulletin Frühling/Sommer/Herbst 2023. Zürich.

4 Nördlich der Alpen / Nord des Alpes

4.1 Serie früh / Série précoce

4.1.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.05.2023	31.08.2023
1725	Grangeneuve	650	22.05.2023	07.09.2023
3065	Habstetten	690	19.05.2023	12.09.2023
5643	Alikon	490	30.05.2023	19.09.2023
8046	Reckenholz	440	06.05.2023	01.09.2023
8193	Eglisau	390	22.05.2023	05.09.2023
8566	Ellighausen	503	26.05.2023	11.09.2023

4.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
LG 31207	LZM 167/39	SC	Limagrain, Europe	Fenaco, Moudon		SM01/S
KWS Papageno	KXB7313	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/S
KWS Odorico	KXB7303	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/S
LG 31217	LZM168/47	TC	Limagrain, Europe	Fenaco, Moudon		SM01/S
Emeleen	LZM168/49	TC	Limagrain, Europe	Schweizer AG, Thun / Hauenstein, Rafz		SM01/S
DKC 3218	ET3286	SC	Monsanto, USA	Bayer CropScience		SM01/S
Wesley	LZM170/52	SC	Limagrain, Europe	Fenaco, Moudon		SM01/e2
	KXC1012	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/e2
ES Myrdal	ESZ9001	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM01/e2
SY Cosmos	SA0060	SC	Syngenta, CH	Syngenta, Stein	KM01/e2	SM01/e2
	EX3189	SC	Monsanto, USA	Bayer CropScience		SM01/e1
	MGM444877	SC	MAS Seeds	?		SM01/e1
	KXC2049	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC2306	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM01/e1
	KXC2311	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM01/e1
	KXC2312	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/e1
	KXC1054	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/e1
	SA0632	SC	Syngenta, CH	Syngenta, Stein		SM01/e1
	SA0042	SC	Syngenta, CH	Syngenta, Stein	KM01/e1	SM01/e1
	DF19ZM3E1217	SC	DSP, Delley			SM01/1.
KWS Damario	KXB7307	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/T
LG 31230	LZM170/73	SC	Limagrain, Europe	Fenaco, Moudon		SM01/T
KWS Glasgo	KXC0111	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/T	SM01/T
KWS Milandro	KXC0326	SC	KWS, Einbeck	KWS Suisse SA, Basel		FS

4.1.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Technische Versuchsangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Grangeneuve (654 m ü.M.)	Habstetten (620 m ü.M.)	Aikon (494 m ü.M.)	Zürich-Flöhern (440 m ü.M.)	Eglisau (995 m ü.M.)	Ellighausen (503 m ü.M.)		
Bodenart / type de sol / soil type:	Limono sableux	Moyen	Sandiger Lehm, pH 5.5	Schwach humose Schufflhm	Braunerde	Braunerde	Braunerde		
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest):	208 mm (Meteostation Changins) 1674 °C (Meteostation Changins) Irrigation : 09.06.2023 : 30 mm 11.07.2023 30 mm	266 mm (météo Suisse Posieux) 1429 °C (météo Suisse Posieux) station Zsäzivilj	355 mm (selon Agro Météo station Zsäzivilj) 1500 °C (selon Agro Météo station Zsäzivilj)	225.7 mm (Station: Hohenrain) 1601°C (Station: Hohenrain) Reckenholz	393.8 mm (Meteostation Reckenholz) 1451.8°C (Meteostation Reckenholz)	333.8 mm (Meteostation Steinmaur) 1488.2°C (Meteostation Steinmaur)	296.7 mm (Meteostation Ellighausen) 1488.2°C (Meteostation Ellighausen)		
Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6 °C; Saat - Ernte/ semis - récolte / seeding - harvest):	4reihig, mit 1.33m Weg (20 m2 brutto), 10m2 netto	4reihig, mit 1.33m Weg (20 m2 brutto), 10 m2 netto	4reihig, mit 1.33m Weg (20 m2 brutto), 10m2 netto	15 m2 pro Parzelle brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto		
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 repetitions. Parzellengröße / grandeur d'une parcelle / plot size:	blé automne + Engrais vert	Prairie temporaire / Kunstwiese / temporary grassland	Gerste / orge	Raps / Gründüngung (UFA Lepha)	Prairie temporaire / Kunstwiese / temporary grassland	Zuckerrüben / sugar beet	Wintergerste / Gründüngung UFA Lepha		
Vorfrucht / précédent cultural / previous crop:									
Bodenbearbeitung / travail du sol / soil cultivation:	cultivateur pattes d'oe 02.03.2023 vibroculteur 23.03.2023 Herse relative 03.05.2023	Labouré le 05.05.2023. Préparation pour semis, herse relative 06.05.2023	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow 24.04 et 18.05.2023	Streifenfrässaat	28.02.23 Pflug, 06.05.23 Kreiselegge	20.05.23 Pflügen, 21.05.23 Kreiselegge	05.04.23 Pflug, 11.05.23 Kreiselegge		
Saat / date de semis / sowing date:	04.05.2023 (jour 124)	22.05.2023 (jour 142)	19.05.2023 (jour 139)	30.05.2023	06.05.2023	22.05.2023	26.05.2023		
Ernte / date de récolte / harvest date:	31.08.23 (jour 243)	07.09.2023 (jour 250)	12.09.2023 (jour 255)	19.09.2023	01.09.2023	05.09.2023	11.09.2023		
Saatedichte / densité de semis / sowing density:	11 Körner / grains pro m2	11 Körner / grains pro m2	11 Körner / grains pro m2	11.5 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2		
Vegetationsdauer / durée de végétation / growing period	119 Tage / jours / days	108 Tage / jours / days	116 Tage / jours / days	112 Tage / jours / days	118 Tage / jours / days	106 Tage / jours / days	108 Tage / jours / days		
Reihenabstand / interlignes / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm		
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	16.06.23 hacken gekoppelt mit Düngung	-	-		
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	30.05.2023: Stomp Aqua 2 l/ha Banvel 0.5 l/ha Monsoon 2 l/ha	09.06.2023, Equip Power: 1.55 l/ha	06.06.2023 Callisto 1.1 l/ha Equip Power 1.2 l/ha	12.6.23 Equip Power 1.3l/ha + Spectrum 1.2l/ha	22.05.23 Equip 0.5l/ha + Spectrum 0.7l/ha + Mesostar 0.5l/ha + Stomp 2.5l/ha + Aqua 1.4l/ha	03.06.23 Pendimethalin SA 400 Laudis 1.4l/ha + Laudis 1.5l/ha	08.06.23 Aspekt 1.5l/ha + Laudis 2l/ha		
Grunddüngung / fumure de base / basic fertilisation:	08.05.2022 40 m3 Liser bovins 5-10-20 : 20 kg N 40 kg P2O5 80 kg K2O	Printemps: 40m3/ha liser bovins 5-10-20 : 20 kg N, 40 kg P2O5, 80 kg K2O	22.04.23 : Granuphos 17 % : 300 kg/ha = 51 kg P/ha, Kali 60 % : 150 kg/ha = 90 kg K/ha	31.05.23 Schweingülle verdünnt 85m3/ha + 09.06.23 Schweingülle verdünnt 70m3/ha	22.02.23 Kompost 50t/ha (37-153-316kg N-P-K/ha)	12.05.23 Lausalkalinst Rindvieh 43m3/ha (78-73kg N-P/ha)	02.04.23 Rindergülle 1.2 30m3/ha (64-5kg N/ha)		
N-Düngung / fumure N / N fertilisation:	02.05.2023: 280 l/ha N liquide 30.0.0.0 : 109 N	20.06.23: Uree 46%, 245kg/ha : 112 kg N	23.05.23 : 50 kg N/ha (Harnstoff 46%); 19.06.23: 53 kg N/ha (Harnstoff 46%) = 46.3 N	22.06.23 Harnstoff 46%N 290kg/ha (133kg N/ha)	23.05.23 Mg-Ammonsalpeter 24%N + S 200kg/ha (48kg N/ha), 16.06.23 Harnstoff 46% 100kg/ha (46kg N/ha)	20.05.23 Harnstoff 46% 167kg/ha (77 kg N/ha)	10.06.23 Harnstoff 120kg/ha (54kg N/ha), 10.06.23 Harnstoff 100kg (46kg N/ha)		
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-		
Ernte / Récolte / harvest:	Baural Maishäcksler / ensileuse expérimentale							New Holland Versuchsmäshäcksler / ensileuse expérimentale	

4.1.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwicklung	Wurzellag.		Stängelbr.	Beulen- brand	Oekon.	Agron.	Gesamt- index
						Veget.	Ernte					
Wesley	e2	-0.24	1.92	1.09	0.10	2.26			0.13	1.68	3.58	5.26
LG 31230	T	-1.10	4.50	-0.33	0.19	0.60			0.12	3.40	0.58	3.98
KWS Papageno	S	3.31	0.52	-0.45	0.01	0.15			-0.01	3.83	-0.30	3.53
Milandro	FS	-0.65	3.64	-1.86	-0.03	1.74			-0.16	2.99	-0.31	2.68
KWS Glasgo	T	-3.82	5.52	-1.27	0.05	0.38			0.10	1.70	-0.74	0.96
ES Myrdal	e2	-1.78	-1.20	1.25	0.37	1.57			0.04	-2.98	3.23	0.25
SA0042	e1	0.44	-3.12	0.64	0.18	1.16			0.08	-2.68	2.06	-0.62
KXC2049	e1	-1.86	0.42	-2.35	0.32	1.99			0.08	-1.44	0.04	-1.40
SY Cosmos	e2	-1.08	-1.51	-1.21	-0.01	1.75			-0.16	-2.59	0.37	-2.22
KWS Damaro	T	-0.07	-0.90	-2.52	-0.25	1.19			-0.07	-0.97	-1.65	-2.62
KXC1054	e1	-5.41	-0.42	2.63	-0.12	-0.08			0.11	-5.83	2.54	-3.29
Emleen	S	-3.31	-0.52	0.45	-0.01	-0.15			0.01	-3.83	0.30	-3.53
KWS Odorico	S	-0.05	-2.21	-2.97	0.36	-0.12			-0.01	-2.26	-2.74	-5.00
LG 31207	S	-6.56	-1.04	0.76	0.06	1.13			-0.04	-7.60	1.91	-5.69
KXC2312	e1	-4.60	2.19	-4.73	-0.02	1.49			-0.06	-2.41	-3.32	-5.73
SA0632	e1	-9.84	0.58	1.05	0.38	1.27			-0.01	-9.26	2.69	-6.57
KXC1012	e2	-2.31	-11.32	6.17	0.10	0.47			0.11	-13.63	6.85	-6.78
LG 31217	S	-5.82	-3.45	-0.45	-0.08	1.67			0.03	-9.27	1.17	-8.10
DKC 3218	S	-4.64	-3.03	-2.28	0.16	0.48			0.13	-7.67	-1.51	-9.18
KXC2311	e1	-11.94	2.89	-1.96	-0.06	1.02			-0.29	-9.05	-1.29	-10.34
MGM444877	e1	-6.57	-3.85	-2.66	0.09	1.47			0.03	-10.42	-1.07	-11.49
EX3189	e1	-6.97	0.19	-4.33	-0.25	-0.32			0.10	-6.78	-4.80	-11.58
KXC2306	e1	-9.51	-0.15	-3.18	-0.25	1.41			-0.15	-9.66	-2.17	-11.83
DF19ZM3E1217	1	-13.04	-5.42	1.08	0.24	1.61			0.08	-18.46	3.01	-15.45
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00
Anz. Beob.		19	19	19	19	5			13			
Anz. Orte		7	7	7	7	2			5			
Gewichtung		0.40	0.50	1.25	0.50	0.25			0.75			

4.1.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Green snapping %	Wurzel- lager Veg. %	Beulen- brand %	Effekt. Best. dichte Pfl./m ²
LG 31207	4.2	60.7	58.9	271.4	112.7	41.8	6.2	27.1	1.0	9.3
KWS Papageno	4.3	60.9	59.6	260.8	112.4	43.1	4.3	40.9	0.8	9.3
KWS Odorico	3.6	61.4	59.8	258.3	118.7	46.1	9.1	44.6	0.8	9.3
LG 31217	4.5	62.2	60.7	262.6	116.3	44.2	3.8	19.5	0.6	9.4
Emeleen	4.3	60.4	59.1	272.4	117.8	43.3	4.2	45.0	0.7	9.6
DKC 3218	4.0	61.9	60.5	257.2	100.9	39.2	1.3	36.3	0.0	8.9
Wesley	4.1	61.4	59.9	262.4	111.5	42.5	7.3	11.3	0.0	9.4
KXC1012	4.1	60.8	58.9	245.5	103.8	42.3	4.2	36.4	0.1	9.5
ES Myrdal	3.5	60.6	59.3	278.1	102.3	37.0	1.4	21.1	0.5	9.1
SY Cosmos	4.3	61.3	59.9	254.8	105.6	41.5	1.9	18.4	1.6	9.1
EX3189	4.8	64.5	63.4	269.1	109.2	40.7	1.1	47.5	0.2	9.4
MGM444877	4.1	63.6	61.6	271.3	120.3	44.5	6.5	22.4	0.6	9.6
KXC2049	3.6	61.3	59.8	261.9	104.4	39.9	3.0	15.1	0.3	9.7
KXC2306	4.8	64.3	63.0	261.3	122.7	47.0	1.1	23.3	1.6	9.6
KXC2311	4.4	63.0	61.8	262.3	120.0	45.8	0.5	28.7	2.4	9.7
KXC2312	4.3	62.8	61.3	260.5	112.0	43.1	2.9	22.2	1.1	9.7
KXC1054	4.5	61.9	60.5	259.5	112.8	43.2	1.1	44.2	0.1	9.5
SA0632	3.5	62.3	60.9	270.6	119.9	44.4	0.3	25.2	0.8	8.9
SA0042	3.9	61.1	59.6	260.9	110.1	42.3	0.3	26.7	0.3	9.4
DF19ZM3E1217	3.8	61.9	59.8	261.9	107.5	41.2	5.0	20.4	0.3	9.5
KWS Damaro	4.8	62.2	61.2	258.3	113.5	44.1	8.4	26.4	1.1	9.1
LG 31230	3.9	61.0	59.8	271.3	103.5	38.1	0.8	34.6	0.1	9.7
KWS Glasgo	4.2	63.2	61.8	265.0	122.6	46.3	2.7	37.7	0.2	9.4
Milandro	4.4	62.4	61.4	259.7	110.3	42.5	6.1	18.7	1.6	9.4
Bezugsgrösse(n)	4.3	60.6	59.4	266.6	115.1	43.2	4.2	43.0	0.7	9.5
Versuchs-Mittel	4.2	62.0	60.5	263.2	112.1	42.7	3.5	28.9	0.7	9.4
VK [%]	15.4	2.1	2.1	4.1	8.4	8.1	121.4	53.1	131.9	5.0
KGD (5%)	0.4	1.0	1.0	8.4	7.3	2.7	4.8	19.4	0.7	0.3
KGD (1%)	0.5	1.3	1.3	11.1	9.6	3.5	6.4	25.8	0.9	0.4
Versuchs-Streuung	0.6	1.3	1.3	10.9	9.4	3.5	4.2	15.4	0.9	0.5
FG Fehlerterm	268.0	180.0	184.0	180.0	180.0	180.0	90.0	67.0	182.0	270.0
Anz. Beob.	19.0	13.0	13.0	13.0	13.0	13.0	6.0	5.0	13.0	19.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	5.0	2.0	2.0	5.0	7.0
Minimum	3.5	60.4	58.9	245.5	100.9	37.0	0.3	11.3	0.0	8.9
Maximum	4.8	64.5	63.4	278.1	122.7	47.0	9.1	47.5	2.4	9.7

Sorten Bezeichnung	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS
LG 31207	533.0	215.3	40.6	149.3	77.6	692.7	359.7	202.7	434.3
KWS Papageno	557.3	218.4	39.6	156.7	82.5	717.4	379.1	189.2	399.8
KWS Odorico	571.9	213.0	37.6	151.3	80.6	709.0	378.4	188.6	406.1
LG 31217	539.6	210.5	39.6	146.3	74.2	694.6	352.1	205.9	437.8
Emeleen	538.7	216.3	40.3	151.8	78.3	700.8	361.5	200.0	426.9
DKC 3218	557.8	211.3	38.1	147.6	68.6	697.5	323.8	205.6	445.1
Wesley	547.4	221.2	40.8	156.9	83.7	708.5	378.4	194.5	419.1
KXC1012	439.9	194.7	44.9	137.1	72.9	703.4	374.1	194.2	422.8
ES Myrdal	533.1	215.0	41.0	152.0	77.0	704.7	356.6	204.3	425.5
SY Cosmos	554.2	214.4	39.0	151.6	80.8	706.4	376.3	195.2	416.1
EX3189	597.7	217.8	36.5	150.9	73.0	691.7	332.8	209.3	438.8
MGM444877	558.9	209.7	37.8	145.3	73.7	692.7	351.3	205.1	433.7
KXC2049	575.1	218.2	38.1	153.9	81.0	704.5	370.6	197.6	417.0
KXC2306	590.2	217.1	37.4	149.3	77.3	685.4	354.2	210.0	440.2
KXC2311	591.3	223.2	38.4	151.6	77.3	679.3	347.3	213.0	448.8
KXC2312	617.4	221.8	36.2	154.8	79.3	697.6	359.7	202.2	424.4
KXC1054	523.1	216.5	42.1	150.9	80.2	695.6	369.0	199.8	426.3
SA0632	538.7	218.5	40.8	149.6	80.4	684.5	367.5	206.0	436.6
SA0042	526.7	211.1	40.5	150.0	81.2	710.2	385.2	190.7	408.3
DF19ZM3E1217	510.2	206.5	40.8	139.8	70.9	676.5	343.3	213.7	446.1
KWS Damaro	574.2	215.6	37.9	153.0	79.8	708.9	369.9	193.1	410.3
LG 31230	577.3	226.4	39.7	159.8	84.9	706.4	377.0	195.5	416.8
KWS Glasgo	596.5	228.4	38.9	159.9	81.8	699.6	358.6	196.1	422.7
Milandro	587.6	224.7	38.5	159.1	82.9	707.5	368.5	192.7	414.7
Bezugsgrösse(n)	548.0	217.4	40.0	154.2	80.4	709.1	370.3	194.6	413.3
Versuchs-Mittel	555.7	216.1	39.4	151.2	78.3	699.0	362.3	200.2	425.8
VK [%]	8.0	7.2	4.7	8.0	10.6	2.6	7.1	6.6	5.3
KGD (5%)	28.4	10.0	1.2	7.7	5.3	11.4	16.4	8.4	14.3
KGD (1%)	37.5	13.2	1.6	10.1	7.0	15.0	21.6	11.1	18.9
Versuchs-Streuung	44.5	15.6	1.9	12.0	8.3	17.9	25.7	13.2	22.4
FG Fehlerterm	268.0	268.0	271.0	268.0	268.0	273.0	269.0	271.0	273.0
Anz. Beob.	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	439.9	194.7	36.2	137.1	68.6	676.5	323.8	188.6	399.8
Maximum	617.4	228.4	44.9	159.9	84.9	717.4	385.2	213.7	448.8

Sorten Bezeichnung	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS
LG 31207	246.4	26.2	73.0	6.3	6.4
KWS Papageno	222.1	24.0	75.7	6.5	6.8
KWS Odorico	226.5	26.2	77.2	6.5	6.6
LG 31217	248.5	25.3	69.1	6.3	6.5
Emeleen	242.4	26.1	74.2	6.4	6.5
DKC 3218	248.5	24.7	75.8	6.3	6.5
Wesley	232.9	24.4	71.2	6.4	6.6
KXC1012	229.0	24.4	70.8	6.4	6.6
ES Myrdal	240.6	25.4	74.8	6.4	6.6
SY Cosmos	234.7	25.0	72.2	6.4	6.6
EX3189	251.7	26.3	74.8	6.3	6.4
MGM444877	244.2	26.1	75.0	6.3	6.4
KXC2049	236.1	26.2	72.4	6.4	6.6
KXC2306	250.4	28.2	73.6	6.2	6.3
KXC2311	254.0	28.7	70.8	6.1	6.2
KXC2312	239.7	26.1	74.0	6.3	6.5
KXC1054	239.4	27.0	72.5	6.3	6.5
SA0632	251.7	29.4	74.2	6.2	6.3
SA0042	230.7	24.9	75.8	6.5	6.7
DF19ZM3E1217	255.9	26.4	78.6	6.1	6.2
KWS Damaro	227.6	24.4	76.8	6.5	6.6
LG 31230	234.4	25.4	74.9	6.4	6.6
KWS Glasgo	234.7	26.6	72.4	6.4	6.5
Milandro	230.0	25.2	73.1	6.4	6.6
Bezugsgrösse(n)	232.2	25.1	75.0	6.5	6.6
Versuchs-Mittel	239.7	25.9	73.9	6.3	6.5
VK [%]	6.3	7.2	4.6	3.2	3.9
KGD (5%)	9.6	1.2	2.1	0.1	0.2
KGD (1%)	12.7	1.6	2.8	0.2	0.2
Versuchs-Streuung	15.1	1.9	3.4	0.2	0.3
FG Fehlerterm	271.0	271.0	267.0	271.0	273.0
Anz. Beob.	19.0	19.0	19.0	19.0	19.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0
Minimum	222.1	24.0	69.1	6.1	6.2
Maximum	255.9	29.4	78.6	6.5	6.8

4.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	4.2 -----	5.0 -----	4.5 ---	5.7 -----	4.0 -----
KWS Papageno	4.3 -----	5.5 -----	5.0 -----	5.7 -----	4.7 -----
KWS Odorico	3.6 -	4.0 -	4.0 -	5.0 -	3.3 -
LG 31217	4.5 -----	5.0 -----	4.5 ---	5.7 -----	4.0 -----
Emeleen	4.3 -----	5.0 -----	4.5 ---	5.3 ---	4.7 -----
DKC 3218	4.0 ----	5.0 -----	4.5 ---	5.7 -----	4.0 -----
Wesley	4.1 ----	5.0 -----	4.0 -	5.3 ---	4.0 -----
KXC1012	4.1 ----	5.5 -----	4.5 ---	5.3 ---	3.7 ---
ES Myrdal	3.5 -	4.5 ---	4.0 -	5.0 -	3.3 -
SY Cosmos	4.3 -----	5.0 -----	5.5 -----	5.0 -	4.0 -----
EX3189	4.8 -----	5.0 -----	5.5 -----	6.0 -----	4.7 -----
MGM444877	4.1 ----	5.0 -----	4.5 ---	5.3 ---	4.0 -----
KXC2049	3.6 --	4.5 ---	4.0 -	5.3 ---	3.7 ---
KXC2306	4.8 -----	6.0 -----	5.5 -----	5.7 -----	5.0 -----
KXC2311	4.4 -----	5.5 -----	5.0 -----	5.7 -----	4.0 -----
KXC2312	4.3 -----	5.0 -----	5.0 -----	5.7 -----	4.7 -----
KXC1054	4.5 -----	5.5 -----	5.5 -----	5.3 ---	4.7 -----
SA0632	3.5 -	4.0 -	4.0 -	5.0 -	3.3 -
SA0042	3.9 ----	4.5 ---	4.0 -	6.0 -----	3.7 ---
DF19ZM3E1217	3.8 ---	5.0 -----	4.0 -	5.3 ---	3.3 -
KWS Damario	4.8 -----	5.5 -----	6.0 -----	6.7 -----	4.3 -----
LG 31230	3.9 ----	5.0 -----	4.0 -	5.0 -	3.7 ---
KWS Glasgo	4.2 -----	5.5 -----	5.5 -----	5.0 -	4.0 -----
Milandro	4.4 -----	6.0 -----	4.5 ---	5.0 -	4.7 -----
-Bezugsgrösse(n)	4.3 -----	5.3 -----	4.8 ----	5.5 ----	4.7 -----
Versuchs-Mittel	4.2 -----	5.1 -----	4.7 ----	5.4 ---	4.1 -----
VK [%]	15.4	8.7	10.0	16.8	11.7
KGD (5%)	0.4	0.9	1.0	ns	0.8
KGD (1%)	0.5	1.2	1.3	ns	1.0
Versuchs-Streuung	0.6	0.4	0.5	0.9	0.5
FG Fehlerterm	268.0	23.0	23.0	46.0	44.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	61.9	23	6.55 ***	1.57	0.0000
Anbauorte	333.3	6	135.33 ***	2.13	0.0000
WW Verf.*Anb.Orte	47.8	138	0.84 ns	1.27	
Fehler	110.0	268			
Insgesamt	553.0	435			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	3.3 -----	3.7 ----	3.0 -----
KWS Papageno	3.3 -----	3.0 --	2.7 ---
KWS Odorico	3.3 -----	2.7 -	2.7 ---
LG 31217	4.0 -----	4.7 -----	3.3 -----
Emeleen	3.7 -----	3.7 ----	3.3 -----
DKC 3218	3.0 ----	3.0 --	2.7 ---
Wesley	3.7 -----	3.7 ----	3.0 -----
KXC1012	2.7 ---	4.0 -----	3.0 -----
ES Myrdal	2.7 ---	3.0 --	2.3 -
SY Cosmos	3.7 -----	4.0 -----	3.0 -----
EX3189	3.7 -----	5.0 -----	3.7 -----
MGM444877	3.3 -----	3.7 ----	3.0 -----
KXC2049	2.3 -	3.0 --	2.7 ---
KXC2306	3.7 -----	4.3 -----	3.3 -----
KXC2311	3.7 -----	3.7 ----	3.3 -----
KXC2312	3.3 -----	3.7 ----	3.0 -----
KXC1054	3.7 -----	3.7 ----	3.3 -----
SA0632	3.0 ----	2.7 -	2.7 ---
SA0042	3.3 -----	3.3 ---	2.7 ---
DF19ZM3E1217	3.0 ----	2.7 -	3.3 -----
KWS Damario	3.3 -----	4.3 -----	3.3 -----
LG 31230	3.3 -----	3.7 ----	2.7 ---
KWS Glasgo	3.3 -----	3.0 --	3.0 -----
Milandro	3.3 -----	4.0 -----	3.0 -----
-Bezugsgrösse(n)	3.5 -----	3.3 ---	3.0 -----
Versuchs-Mittel	3.3 -----	3.6 ----	3.0 -----
VK [%]	15.0	22.1	18.5
KGD (5%)	0.8	1.3	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.5	0.8	0.6
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	8046 Reckenholz ZH
LG 31207	60.7 -	64.0 -	57.0 -	64.7 -----	64.7 -
KWS Papageno	60.9 --	64.0 -	57.5 --	64.0 ----	65.3 ---
KWS Odorico	61.4 ---	65.0 --	58.5 ---	63.0 --	66.0 -----
LG 31217	62.2 -----	66.0 ----	60.0 -----	65.7 -----	65.3 ---
Emeleen	60.4 -	64.0 -	56.5 -	63.3 ---	65.0 --
DKC 3218	61.9 ----	66.5 -----	58.0 ---	64.0 ----	66.3 -----
Wesley	61.4 ---	65.5 ---	58.0 ---	64.7 -----	65.3 ---
KXC1012	60.8 --	65.0 --	57.5 --	62.0 -	66.0 -----
ES Myrdal	60.6 -	65.0 --	57.0 -	63.0 --	65.0 --
SY Cosmos	61.3 ---	65.0 --	58.0 ---	64.7 -----	64.7 -
EX3189	64.5 -----	69.0 -----	63.0 -----	68.3 -----	66.7 -----
MGM444877	63.6 -----	69.0 -----	60.5 -----	67.3 -----	66.3 -----
KXC2049	61.3 ---	66.0 ----	58.0 ---	63.0 --	65.3 ---
KXC2306	64.3 -----	69.0 -----	63.5 -----	67.0 -----	67.0 -----
KXC2311	63.0 -----	67.5 -----	61.0 -----	64.0 ----	67.3 -----
KXC2312	62.8 -----	69.5 -----	58.5 ---	64.7 -----	67.0 -----
KXC1054	61.9 ----	65.5 ---	60.5 -----	64.3 ----	65.3 ---
SA0632	62.3 -----	66.0 ----	58.0 ---	66.3 -----	66.7 -----
SA0042	61.1 --	65.0 --	58.0 ---	63.3 ---	65.3 ---
DF19ZM3E1217	61.9 ----	66.5 -----	58.0 ---	65.0 -----	66.0 -----
KWS Damaro	62.2 -----	67.0 -----	60.5 -----	64.7 -----	65.3 ---
LG 31230	61.0 --	64.0 -	57.5 --	64.3 ----	65.7 ----
KWS Glasgo	63.2 -----	68.5 -----	61.0 -----	64.3 ----	67.0 -----
Milandro	62.4 -----	65.5 ---	60.5 -----	66.0 -----	66.0 -----
-Bezugsgrösse(n)	60.6 -	64.0 -	57.0 -	63.7 ---	65.2 --
Versuchs-Mittel	62.0 ----	66.2 -----	59.0 ----	64.7 -----	65.9 -----
VK [%]	2.1	1.7	2.9	2.7	1.5
KGD (5%)	1.0	2.3	3.5	2.9	1.7
KGD (1%)	1.3	3.1	ns	3.8	ns
Versuchs-Streuung	1.3	1.1	1.7	1.7	1.0
FG Fehlerterm	180.0	23.0	23.0	46.0	44.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	391.9	23	10.23 ***	1.59	0.0000
Anbauorte	6916.8	4	1037.88 ***	2.42	0.0000
WW Verf.*Anb.Orte	208.1	92	1.36 ns	1.34	
Fehler	299.9	180			
Insgesamt	7816.7	299			

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
LG 31207	53.3	--
KWS Papageno	53.7	---
KWS Odorico	54.3	-----
LG 31217	54.0	----
Emeleen	53.0	-
DKC 3218	54.7	-----
Wesley	53.7	---
KXC1012	53.3	--
ES Myrdal	53.0	-
SY Cosmos	54.0	----
EX3189	55.7	-----
MGM444877	54.7	-----
KXC2049	54.0	----
KXC2306	55.0	-----
KXC2311	55.0	-----
KXC2312	54.3	-----
KXC1054	53.7	---
SA0632	54.3	-----
SA0042	53.7	---
DF19ZM3E1217	54.0	----
KWS Damario	53.7	---
LG 31230	53.7	---
KWS Glasgo	55.3	-----
Milandro	54.0	----
-Bezugsgrösse(n)	53.3	--
Versuchs-Mittel	54.1	-----
VK [%]	1.3	
KGD (5%)	1.2	
KGD (1%)	1.6	
Versuchs-Streuung	0.7	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	8046 Reckenholz ZH
LG 31207	58.9 -	62.0 -	52.0 -	62.3 ----	65.0 ---
KWS Papageno	59.6 --	62.0 -	55.5 ----	62.0 ----	65.0 ---
KWS Odorico	59.8 ---	63.0 --	56.5 ----	60.7 --	64.7 --
LG 31217	60.7 ----	64.0 ----	57.0 ----	63.7 ----	65.3 ---
Emeleen	59.1 -	63.0 --	54.5 ----	61.0 ---	64.7 --
DKC 3218	60.5 ----	64.0 ----	56.0 ----	62.0 ----	66.3 ----
Wesley	59.9 ---	63.5 ---	56.0 ----	62.0 ----	65.0 ---
KXC1012	58.9 -	63.0 --	55.5 ----	59.7 -	64.3 -
ES Myrdal	59.3 --	63.0 --	55.0 ----	61.0 ---	64.3 -
SY Cosmos	59.9 ---	63.0 --	56.0 ----	62.3 ----	64.3 -
EX3189	63.4 ----	68.0 ----	60.0 ----	66.3 ----	67.0 ----
MGM444877	61.6 ----	67.5 ----	57.0 ----	65.3 ----	65.3 ----
KXC2049	59.8 ---	64.0 ----	56.0 ----	60.3 --	65.3 ----
KXC2306	63.0 ----	68.0 ----	60.5 ----	65.0 ----	66.7 ----
KXC2311	61.8 ----	66.0 ----	59.0 ----	62.0 ----	67.3 ----
KXC2312	61.3 ----	68.0 ----	56.5 ----	62.7 ----	66.0 ----
KXC1054	60.5 ----	63.5 ---	58.5 ----	62.0 ----	65.0 ---
SA0632	60.9 ----	64.0 ----	56.0 ----	64.0 ----	66.0 ----
SA0042	59.6 --	63.0 --	56.0 ----	60.7 --	65.0 ---
DF19ZM3E1217	59.8 ---	64.5 ----	56.0 ----	60.3 --	65.3 ----
KWS Damario	61.2 ----	65.5 ----	58.5 ----	62.3 ----	65.3 ----
LG 31230	59.8 ---	62.0 -	55.5 ----	62.3 ----	66.3 ----
KWS Glasgo	61.8 ----	67.0 ----	59.0 ----	62.3 ----	65.7 ----
Milandro	61.4 ----	64.0 ----	58.5 ----	64.0 ----	65.7 ----
-Bezugsgrösse(n)	59.4 --	62.5 -	55.0 ----	61.5 ---	64.8 --
Versuchs-Mittel	60.5 ----	64.4 ----	56.7 ----	62.3 ----	65.5 ----
VK [%]	2.1	2.0	3.4	2.6	1.0
KGD (5%)	1.0	2.6	ns	2.7	1.1
KGD (1%)	1.3	3.6	ns	3.6	1.4
Versuchs-Streuung	1.3	1.3	1.9	1.6	0.7
FG Fehlerterm	184.0	23.0	23.0	46.0	46.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	448.6	23	12.40 ***	1.59	0.0000
Anbauorte	6493.0	4	1031.98 ***	2.42	0.0000
WW Verf. *Anb.Orte	265.9	92	1.84 ***	1.34	0.0009
Fehler	289.4	184			
Insgesamt	7496.9	303			

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
LG 31207	53.0	---
KWS Papageno	53.7	-----
KWS Odorico	54.0	-----
LG 31217	53.7	-----
Emeleen	52.3	--
DKC 3218	54.3	-----
Wesley	53.0	---
KXC1012	52.0	-
ES Myrdal	53.3	----
SY Cosmos	53.7	-----
EX3189	55.7	-----
MGM444877	52.7	--
KXC2049	53.3	----
KXC2306	55.0	-----
KXC2311	54.7	-----
KXC2312	53.3	----
KXC1054	53.3	----
SA0632	54.3	-----
SA0042	53.3	----
DF19ZM3E1217	52.7	--
KWS Damario	54.3	-----
LG 31230	52.7	--
KWS Glasgo	55.0	-----
Milandro	55.0	-----
-Bezugsgrösse(n)	53.0	---
Versuchs-Mittel	53.7	-----
VK [%]	1.3	
KGD (5%)	1.1	
KGD (1%)	1.5	
Versuchs-Streuung	0.7	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	8046 Reckenholz ZH
LG 31207	271.4 -----	280.0 -----	310.0 -----	263.3 -----	241.0 -----
KWS Papageno	260.8 -----	265.0 -----	297.5 -----	253.3 ---	233.7 -----
KWS Odorico	258.3 -----	267.5 -----	287.5 ---	263.3 -----	220.3 ---
LG 31217	262.6 -----	260.0 -----	295.0 -----	255.0 ---	238.7 -----
Emeleen	272.4 -----	285.0 -----	292.5 ---	276.7 -----	242.7 -----
DKC 3218	257.2 ----	257.5 ----	285.0 --	255.0 ----	235.0 -----
Wesley	262.4 -----	270.0 -----	300.0 -----	256.7 ----	232.0 -----
KXC1012	245.5 -	227.5 -	277.5 -	256.7 ----	233.3 -----
ES Myrdal	278.1 -----	285.0 -----	320.0 -----	278.3 -----	240.7 -----
SY Cosmos	254.8 ---	247.5 ----	292.5 ----	265.0 -----	214.3 -
EX3189	269.1 -----	275.0 -----	310.0 -----	250.0 ---	238.7 -----
MGM444877	271.3 -----	290.0 -----	305.0 -----	268.3 -----	240.3 -----
KXC2049	261.9 -----	265.0 -----	285.0 --	260.0 ----	242.7 -----
KXC2306	261.3 -----	262.5 -----	292.5 ----	251.7 ---	242.3 -----
KXC2311	262.3 -----	265.0 -----	300.0 -----	256.7 ----	237.3 -----
KXC2312	260.5 -----	275.0 -----	297.5 ----	256.7 ----	226.0 ----
KXC1054	259.5 -----	257.5 -----	297.5 -----	260.0 ----	233.0 -----
SA0632	270.6 -----	282.5 -----	315.0 -----	273.3 -----	226.7 ----
SA0042	260.9 -----	270.0 -----	305.0 -----	251.7 ---	225.3 ----
DF19ZM3E1217	261.9 -----	275.0 -----	302.5 -----	253.3 ---	239.7 -----
KWS Damario	258.3 -----	262.5 -----	300.0 -----	243.3 -	229.3 -----
LG 31230	271.3 -----	275.0 -----	317.5 -----	278.3 -----	228.7 -----
KWS Glasgo	265.0 -----	265.0 -----	297.5 ----	258.3 ----	236.7 -----
Milandro	259.7 -----	265.0 -----	290.0 ----	251.7 ---	230.7 -----
-Bezugsgrösse(n)	266.6 -----	275.0 -----	295.0 -----	265.0 -----	238.2 -----
Versuchs-Mittel	263.2 -----	267.9 -----	298.9 -----	259.9 -----	233.7 -----
VK [%]	4.1	3.2	4.1	4.3	4.5
KGD (5%)	8.4	17.7	ns	18.2	ns
KGD (1%)	11.1	24.1	ns	ns	ns
Versuchs-Streuung	10.9	8.6	12.2	11.1	10.6
FG Fehlerterm	180.0	23.0	23.0	46.0	44.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14593.9	23	5.32 ***	1.59	0.0000
Anbauorte	139131.2	4	291.89 ***	2.42	0.0000
WW Verf.*Anb.Orte	15853.9	92	1.45 ns	1.34	
Fehler	21449.3	180			
Insgesamt	191028.3	299			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
LG 31207	262.7	-----
KWS Papageno	254.3	-----
KWS Odorico	253.0	-----
LG 31217	264.3	-----
Emeleen	265.3	-----
DKC 3218	253.3	-----
Wesley	253.3	-----
KXC1012	232.3	-
ES Myrdal	266.7	-----
SY Cosmos	254.7	-----
EX3189	272.0	-----
MGM444877	253.0	-----
KXC2049	257.0	-----
KXC2306	257.7	-----
KXC2311	252.7	-----
KXC2312	247.3	----
KXC1054	249.7	-----
SA0632	255.7	-----
SA0042	252.3	-----
DF19ZM3E1217	239.0	--
KWS Damario	256.3	-----
LG 31230	257.0	-----
KWS Glasgo	267.3	-----
Milandro	261.3	-----
-Bezugsgrösse(n)	259.8	-----
Versuchs-Mittel	255.8	-----
VK [%]	4.5	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	11.5	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	8046 Reckenholz ZH
LG 31207	112.7 -----	112.5 ----	117.5 ----	113.3 -----	109.7 -----
KWS Papageno	112.4 -----	102.5 ---	135.0 -----	113.3 -----	100.3 -----
KWS Odorico	118.7 -----	135.0 -----	130.0 -----	110.0 ----	111.7 -----
LG 31217	116.3 -----	105.0 ---	140.0 -----	115.0 -----	110.3 -----
Emeleen	117.8 -----	117.5 -----	120.0 ----	128.3 -----	108.3 -----
DKC 3218	100.9 -	92.5 -	115.0 ---	98.3 -	100.0 ----
Wesley	111.5 ----	107.5 ----	130.0 -----	103.3 --	102.3 -----
KXC1012	103.8 --	100.0 --	115.0 ---	106.7 ---	96.7 ----
ES Myrdal	102.3 -	100.0 --	105.0 -	110.0 ----	91.0 --
SY Cosmos	105.6 ---	102.5 ---	120.0 ----	116.7 -----	91.3 --
EX3189	109.2 ----	110.0 -----	122.5 -----	101.7 --	105.3 -----
MGM444877	120.3 -----	130.0 -----	122.5 -----	126.7 -----	110.7 -----
KXC2049	104.4 --	110.0 -----	107.5 -	100.0 -	105.0 -----
KXC2306	122.7 -----	125.0 -----	140.0 -----	115.0 -----	117.7 -----
KXC2311	120.0 -----	117.5 -----	130.0 -----	125.0 -----	109.3 -----
KXC2312	112.0 -----	127.5 -----	120.0 ----	105.0 ---	104.0 ----
KXC1054	112.8 -----	110.0 -----	145.0 -----	116.7 -----	91.0 --
SA0632	119.9 -----	130.0 -----	135.0 -----	113.3 -----	107.7 -----
SA0042	110.1 ----	107.5 ----	125.0 -----	111.7 -----	95.7 ----
DF19ZM3E1217	107.5 ----	102.5 ---	120.0 ----	108.3 ----	106.3 -----
KWS Damario	113.5 -----	130.0 -----	120.0 ----	113.3 -----	101.3 ----
LG 31230	103.5 --	95.0 -	125.0 -----	113.3 -----	86.7 -
KWS Glasgo	122.6 -----	122.5 -----	142.5 -----	121.7 -----	107.7 -----
Milandro	110.3 ----	110.0 -----	130.0 -----	111.7 -----	102.7 -----
-Bezugsgrösse(n)	115.1 -----	110.0 -----	127.5 -----	120.8 -----	104.3 -----
Versuchs-Mittel	112.1 -----	112.6 -----	125.5 -----	112.4 -----	103.0 -----
VK [%]	8.4	9.0	6.6	7.8	9.9
KGD (5%)	7.3	20.9	17.1	14.5	ns
KGD (1%)	9.6	28.4	23.1	19.3	ns
Versuchs-Streuung	9.4	10.1	8.2	8.8	10.2
FG Fehlerterm	180.0	23.0	23.0	46.0	44.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13147.7	23	6.52 ***	1.59	0.0000
Anbauorte	18065.5	4	51.47 ***	2.42	0.0000
WW Verf.*Anb.Orte	12550.8	92	1.55 ns	1.34	
Fehler	15793.2	180			
Insgesamt	59557.1	299			

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	8566	
	Ellighausen TG	
LG 31207	110.7	-----
KWS Papageno	110.7	-----
KWS Odorico	106.7	----
LG 31217	111.0	-----
Emeleen	114.7	-----
DKC 3218	98.7	-
Wesley	114.3	-----
KXC1012	100.7	--
ES Myrdal	105.3	----
SY Cosmos	97.3	-
EX3189	106.3	----
MGM444877	111.7	-----
KXC2049	99.3	--
KXC2306	115.7	-----
KXC2311	118.0	-----
KXC2312	103.3	----
KXC1054	101.3	---
SA0632	113.3	-----
SA0042	110.7	-----
DF19ZM3E1217	100.3	--
KWS Damario	103.0	---
LG 31230	97.7	-
KWS Glasgo	118.7	-----
Milandro	97.0	-
-Bezugsgrösse(n)	112.7	-----
Versuchs-Mittel	106.9	----
VK [%]	8.7	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	9.3	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	8046 Reckenholz ZH
LG 31207	41.8 ----	40.2 ----	37.9 ----	43.1 ----	45.5 -----
KWS Papageno	43.1 -----	38.7 ---	45.4 -----	44.9 -----	42.8 ----
KWS Odorico	46.1 -----	50.5 -----	45.3 -----	41.8 ----	50.7 -----
LG 31217	44.2 -----	40.4 ----	47.5 -----	45.0 -----	46.1 -----
Emeleen	43.3 -----	41.3 ----	41.0 -----	46.3 -----	44.7 -----
DKC 3218	39.2 ---	35.9 -	40.3 ----	38.6 -	42.2 ----
Wesley	42.5 -----	39.8 ----	43.3 -----	40.4 --	44.1 -----
KXC1012	42.3 -----	43.9 -----	41.5 -----	41.5 ----	41.5 ---
ES Myrdal	37.0 -	35.1 -	32.8 -	39.5 --	37.8 -
SY Cosmos	41.5 ----	41.4 ----	41.2 -----	43.9 -----	42.6 ----
EX3189	40.7 ----	40.0 ----	39.5 ----	40.7 ---	44.1 -----
MGM444877	44.5 -----	44.9 -----	40.2 ----	47.3 -----	46.0 -----
KXC2049	39.9 ----	41.5 ----	37.7 ----	38.5 -	43.3 ----
KXC2306	47.0 -----	47.7 -----	47.9 -----	45.7 -----	48.7 -----
KXC2311	45.8 -----	44.3 -----	43.4 -----	48.7 -----	46.1 -----
KXC2312	43.1 -----	46.4 -----	40.5 ----	41.1 ---	45.9 -----
KXC1054	43.2 -----	42.8 -----	48.8 -----	44.9 -----	39.1 --
SA0632	44.4 -----	46.0 -----	42.8 -----	41.5 ----	47.6 -----
SA0042	42.3 -----	39.6 ----	41.0 -----	44.4 -----	42.7 ----
DF19ZM3E1217	41.2 ----	37.3 --	39.8 ----	42.7 ----	44.5 -----
KWS Damario	44.1 -----	49.6 -----	40.0 ----	46.6 -----	44.2 -----
LG 31230	38.1 --	34.6 -	39.4 ----	40.7 ---	37.8 -
KWS Glasgo	46.3 -----	46.2 -----	48.0 -----	47.2 -----	45.5 -----
Milandro	42.5 ----	41.5 ----	44.8 -----	44.4 -----	44.5 -----
-Bezugsgrösse(n)	43.2 -----	40.0 ----	43.2 -----	45.6 -----	43.7 -----
Versuchs-Mittel	42.7 -----	42.1 ----	42.1 -----	43.3 ----	44.1 -----
VK [%]	8.1	8.3	7.0	6.9	9.2
KGD (5%)	2.7	7.3	6.1	4.9	ns
KGD (1%)	3.5	9.8	8.3	6.6	ns
Versuchs-Streuung	3.5	3.5	2.9	3.0	4.1
FG Fehlerterm	180.0	23.0	23.0	46.0	44.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1903.6	23	6.85 ***	1.59	0.0000
Anbauorte	236.6	4	4.90 ***	2.42	0.0008
WW Verf.*Anb.Orte	1549.2	92	1.39 ns	1.34	
Fehler	2174.5	180			
Insgesamt	5864.0	299			

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	8566	
	Ellighausen TG	
LG 31207	42.1	-----
KWS Papageno	43.6	-----
KWS Odorico	42.2	-----
LG 31217	41.9	-----
Emeleen	43.2	-----
DKC 3218	38.8	--
Wesley	45.1	-----
KXC1012	43.2	-----
ES Myrdal	39.9	---
SY Cosmos	38.3	--
EX3189	39.1	---
MGM444877	44.1	-----
KXC2049	38.7	--
KXC2306	44.9	-----
KXC2311	46.8	-----
KXC2312	41.8	-----
KXC1054	40.6	----
SA0632	44.2	-----
SA0042	43.8	-----
DF19ZM3E1217	42.0	-----
KWS Damario	40.3	----
LG 31230	38.0	-
KWS Glasgo	44.4	-----
Milandro	37.2	-
-Bezugsgrösse(n)	43.4	-----
Versuchs-Mittel	41.8	-----
VK [%]	8.4	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	3.5	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Green snapping [%] / Green snapping [%]

Verfahren	Seriemittel	5643 Alikon AG	8566 Ellighausen TG
LG 31207	6.2 -----	9.7 -----	2.7 ---
KWS Papageno	4.3 -----	7.5 -----	1.1 --
KWS Odorico	9.1 -----	18.3 -----	0.0 -
LG 31217	3.8 -----	3.8 ---	3.8 ----
Emeleen	4.2 -----	3.2 --	5.1 -----
DKC 3218	1.3 --	0.5 -	2.0 ---
Wesley	7.3 -----	13.4 -----	1.2 --
KXC1012	4.2 -----	5.4 ----	3.0 ----
ES Myrdal	1.4 --	2.2 --	0.6 -
SY Cosmos	1.9 --	3.8 ---	0.0 -
EX3189	1.1 -	1.1 -	1.1 --
MGM444877	6.5 -----	3.2 --	9.8 -----
KXC2049	3.0 ----	5.9 ----	0.0 -
KXC2306	1.1 --	2.2 --	0.0 -
KXC2311	0.5 -	1.1 -	0.0 -
KXC2312	2.9 ----	3.8 ---	2.1 ---
KXC1054	1.1 -	1.6 -	0.5 -
SA0632	0.3 -	0.0 -	0.6 -
SA0042	0.3 -	0.5 -	0.0 -
DF19ZM3E1217	5.0 -----	3.8 ---	6.3 -----
KWS Damario	8.4 -----	9.1 -----	7.6 -----
LG 31230	0.8 -	1.6 -	0.0 -
KWS Glasgo	2.7 ---	4.8 ---	0.6 -
Milandro	6.1 -----	8.6 -----	3.6 ----
-Bezugsgrösse(n)	4.2 -----	5.4 ----	3.1 ----
Versuchs-Mittel	3.5 ----	4.8 ---	2.1 ---
VK [%]	121.4	88.2	195.7
KGD (5%)	4.8	7.0	ns
KGD (1%)	6.4	9.3	ns
Versuchs-Streuung	4.2	4.2	4.2
FG Fehlerterm	90.0	44.0	46.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	990.3	23	2.43 **	1.65	0.0016
Anbauorte	252.7	1	14.25 ***	3.94	0.0004
WW Verf.*Anb.Orte	864.9	23	2.12 **	1.65	0.0065
Fehler	1596.4	90			
Insgesamt	3704.3	137			

Verse en végétation [%] / Wurzellagerung Vegetation [%]

Verfahren	Seriemittel	1725 Grangeneuve	8193 Eglisau ZH
LG 31207	27.1 ----	6.3 --	47.9 ----
KWS Papageno	40.9 -----	18.8 ----	63.1 -----
KWS Odorico	44.6 -----	25.0 -----	64.3 -----
LG 31217	19.5 ---	0.0 -	39.1 ----
Emeleen	45.0 -----	25.0 -----	65.1 -----
DKC 3218	36.3 -----	0.0 -	72.6 -----
Wesley	11.3 -	6.3 --	16.3 -
KXC1012	36.4 -----	18.8 ----	54.0 -----
ES Myrdal	21.1 ---	6.3 --	35.9 ---
SY Cosmos	18.4 ---	0.0 -	36.9 ---
EX3189	47.5 -----	6.3 --	88.7 -----
MGM444877	22.4 ----	6.3 --	38.6 ----
KXC2049	15.1 --	0.0 -	30.2 ---
KXC2306	23.3 ---	6.3 --	40.3 ----
KXC2311	28.7 ----	6.3 --	51.2 ----
KXC2312	22.2 ----	12.5 ---	31.9 ---
KXC1054	44.2 -----	50.0 -----	38.3 ----
SA0632	25.2 ----	0.0 -	50.4 ----
SA0042	26.7 ----	0.0 -	53.5 ----
DF19ZM3E1217	20.4 ---	0.0 -	40.8 ----
KWS Damario	26.4 ----	18.8 ----	34.0 ---
LG 31230	34.6 -----	6.3 --	62.9 -----
KWS Glasgo	37.7 -----	37.5 -----	37.9 ----
Milandro	18.7 ---	12.5 ---	24.8 --
-Bezugsgrösse(n)	43.0 -----	21.9 ----	64.1 -----
Versuchs-Mittel	28.9 ----	11.2 ---	46.6 ----
VK [%]	53.1	65.1	39.1
KGD (5%)	19.4	15.1	30.0
KGD (1%)	25.8	20.5	40.0
Versuchs-Streuung	15.4	7.3	18.2
FG Fehlerterm	67.0	23.0	44.0
Anz. Beob.	5.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12669.3	23	2.33 **	1.69	0.0038
Anbauorte	37611.9	1	159.42 ***	3.98	0.0000
WW Verf.*Anb.Orte	12804.9	23	2.36 **	1.69	0.0034
Fehler	15807.6	67			
Insgesamt	78893.6	114			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	1.0 ----	0.5 -	4.5 -----	0.0 -	0.0 -
KWS Papageno	0.8 ----	0.0 -	4.0 -----	0.0 -	0.0 -
KWS Odorico	0.8 ----	0.5 -	2.7 ----	0.3 ----	0.5 -----
LG 31217	0.6 ---	1.1 --	1.9 ---	0.0 -	0.0 -
Emeleen	0.7 ----	0.5 -	2.7 ----	0.3 ----	0.0 -
DKC 3218	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
Wesley	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
KXC1012	0.1 -	0.5 -	0.0 -	0.0 -	0.0 -
ES Myrdal	0.5 ---	1.0 --	1.6 ---	0.0 -	0.0 -
SY Cosmos	1.6 -----	0.0 -	7.1 -----	0.0 -	0.0 -
EX3189	0.2 -	0.5 -	0.5 -	0.0 -	0.0 -
MGM444877	0.6 ---	0.5 -	2.4 ----	0.0 -	0.0 -
KXC2049	0.3 --	0.5 -	1.0 --	0.0 -	0.0 -
KXC2306	1.6 -----	5.0 -----	1.9 ---	0.0 -	1.1 -----
KXC2311	2.4 -----	7.4 -----	3.3 ----	0.0 -	0.5 -----
KXC2312	1.1 ----	2.0 ---	3.3 ----	0.0 -	0.0 -
KXC1054	0.1 -	0.0 -	0.0 -	0.7 -----	0.0 -
SA0632	0.8 ----	2.0 ---	0.8 --	0.0 -	0.5 -----
SA0042	0.3 --	0.0 -	1.0 --	0.3 ----	0.0 -
DF19ZM3E1217	0.3 --	0.5 -	1.0 --	0.0 -	0.0 -
KWS Damario	1.1 ----	1.7 ---	3.9 -----	0.0 -	0.0 -
LG 31230	0.1 -	0.0 -	0.5 -	0.0 -	0.0 -
KWS Glasgo	0.2 -	0.0 -	1.0 --	0.0 -	0.0 -
Milandro	1.6 -----	1.0 --	6.4 -----	0.3 ----	0.0 -
-Bezugsgrösse(n)	0.7 ----	0.2 -	3.3 ----	0.2 ---	0.0 -
Versuchs-Mittel	0.7 ----	1.0 --	2.1 ----	0.1 --	0.1 --
VK [%]	131.9	139.4	89.1	411.9	322.4
KGD (5%)	0.7	3.0	3.9	ns	ns
KGD (1%)	0.9	4.1	ns	ns	ns
Versuchs-Streuung	0.9	1.5	1.9	0.3	0.4
FG Fehlerterm	182.0	23.0	23.0	46.0	46.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	114.5	23	5.88 ***	1.59	0.0000
Anbauorte	202.8	4	59.91 ***	2.42	0.0000
WW Verf. *Anb.Orte	309.2	92	3.97 ***	1.34	0.0000
Fehler	154.0	182			
Insgesamt	780.4	301			

Charbon [%] / Beulenbrand [%]

Verfahren	8193	
	Eglisau ZH	
LG 31207	0.0	-
KWS Papageno	0.0	-
KWS Odorico	0.0	-
LG 31217	0.0	-
Emeleen	0.0	-
DKC 3218	0.0	-
Wesley	0.0	-
KXC1012	0.0	-
ES Myrdal	0.0	-
SY Cosmos	1.0	-----
EX3189	0.0	-
MGM444877	0.0	-
KXC2049	0.0	-
KXC2306	0.0	-
KXC2311	0.5	-----
KXC2312	0.0	-
KXC1054	0.0	-
SA0632	0.5	-----
SA0042	0.0	-
DF19ZM3E1217	0.0	-
KWS Damario	0.0	-
LG 31230	0.0	-
KWS Glasgo	0.0	-
Milandro	0.5	-----
-Bezugsgrösse(n)	0.0	-
Versuchs-Mittel	0.1	--
VK [%]	436.7	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	0.5	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Densité [plant/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	9.3 ----	10.2 -----	10.1 -----	10.2 -----	8.8 -
KWS Papageno	9.3 -----	9.9 ----	10.0 -----	10.1 -----	8.8 -
KWS Odorico	9.3 ----	10.1 -----	9.1 ---	10.3 -----	9.0 ----
LG 31217	9.4 -----	9.6 --	10.6 -----	10.7 -----	8.8 -
Emeleen	9.6 -----	10.2 -----	10.1 -----	10.7 -----	8.8 -
DKC 3218	8.9 -	9.3 -	9.2 ----	9.3 -	9.2 -----
Wesley	9.4 -----	10.5 -----	9.7 -----	10.5 -----	8.8 -
KXC1012	9.5 -----	9.9 ----	10.2 -----	10.6 -----	8.8 -
ES Myrdal	9.1 ---	10.0 -----	9.8 -----	10.0 ----	8.8 -
SY Cosmos	9.1 ---	9.7 ----	9.9 -----	10.1 -----	8.8 -
EX3189	9.4 -----	10.4 -----	10.0 -----	10.4 -----	8.8 -
MGM444877	9.6 -----	10.6 -----	10.4 -----	10.9 -----	8.8 -
KXC2049	9.7 -----	10.4 -----	10.2 -----	10.6 -----	8.8 -
KXC2306	9.6 -----	10.0 ----	10.4 -----	10.8 -----	8.8 -
KXC2311	9.7 -----	10.1 -----	10.8 -----	10.6 -----	8.8 -
KXC2312	9.7 -----	10.2 -----	10.6 -----	10.4 -----	8.8 -
KXC1054	9.5 -----	10.1 -----	9.6 ----	10.1 -----	9.0 ----
SA0632	8.9 -	10.0 -----	8.1 -	9.8 ---	8.8 -
SA0042	9.4 -----	10.5 -----	10.0 -----	10.3 -----	9.0 ----
DF19ZM3E1217	9.5 -----	9.7 ----	10.4 -----	10.5 -----	8.8 -
KWS Damario	9.1 ----	9.3 -	10.1 -----	9.7 ---	8.8 -
LG 31230	9.7 -----	10.4 -----	10.6 -----	10.4 -----	8.8 -
KWS Glasgo	9.4 -----	10.3 -----	10.4 -----	10.4 -----	8.8 -
Milandro	9.4 -----	10.0 -----	10.4 -----	10.1 -----	8.8 -
-Bezugsgrösse(n)	9.5 -----	10.0 -----	10.0 -----	10.4 -----	8.8 -
Versuchs-Mittel	9.4 -----	10.0 -----	10.0 -----	10.3 -----	8.9 --
VK [%]	5.0	4.4	6.3	3.7	2.0
KGD (5%)	0.3	ns	ns	0.6	ns
KGD (1%)	0.4	ns	ns	0.8	ns
Versuchs-Streuung	0.5	0.4	0.6	0.4	0.2
FG Fehlerterm	270.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	24.7	23	4.81 ***		1.57	0.0000
Anbauorte	189.2	6	141.05 ***		2.13	0.0000
WW Verf.*Anb.Orte	48.3	138	1.57 ns		1.27	
Fehler	60.3	270				
Insgesamt	322.5	437				

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	8.5 ----	8.5 ----	8.6 ---
KWS Papageno	8.5 ----	8.5 ----	9.3 -----
KWS Odorico	8.6 ----	9.3 -----	8.8 ----
LG 31217	8.8 -----	8.4 ----	9.0 -----
Emeleen	9.2 -----	9.4 -----	8.9 ----
DKC 3218	9.0 -----	7.7 -	8.3 -
Wesley	8.8 -----	8.9 -----	8.5 ---
KXC1012	9.0 -----	8.5 ----	9.2 -----
ES Myrdal	8.5 ----	8.1 --	8.6 ---
SY Cosmos	7.9 -	8.7 -----	8.6 ---
EX3189	8.7 -----	8.3 ----	8.9 -----
MGM444877	9.0 -----	9.2 -----	8.5 ---
KXC2049	9.2 -----	9.7 -----	8.9 -----
KXC2306	8.7 ----	9.0 -----	9.2 -----
KXC2311	9.1 -----	9.3 -----	9.0 -----
KXC2312	8.9 -----	9.2 -----	9.5 -----
KXC1054	9.0 -----	8.9 -----	9.9 -----
SA0632	8.9 -----	8.1 --	8.8 ----
SA0042	8.7 ----	8.4 ----	9.2 -----
DF19ZM3E1217	9.2 -----	8.9 -----	8.6 ----
KWS Damaro	8.6 ----	9.2 -----	8.1 -
LG 31230	9.2 -----	9.3 -----	9.5 -----
KWS Glasgo	9.3 -----	8.7 -----	8.1 -
Milandro	8.8 -----	9.0 -----	8.6 ---
-Bezugsgrösse(n)	8.8 -----	9.0 -----	9.1 -----
Versuchs-Mittel	8.8 -----	8.8 -----	8.9 -----
VK [%]	6.4	6.0	6.0
KGD (5%)	ns	0.9	0.9
KGD (1%)	ns	1.2	ns
Versuchs-Streuung	0.6	0.5	0.5
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	533.0	471.4	598.3	483.9	511.4
KWS Papageno	557.3	487.1	745.6	475.6	530.8
KWS Odorico	571.9	524.1	766.5	494.0	511.1
LG 31217	539.6	479.1	700.4	479.2	486.4
Emeleen	538.7	514.8	603.7	509.4	491.5
DKC 3218	557.8	554.0	659.2	495.7	522.8
Wesley	547.4	508.9	660.7	508.3	494.6
KXC1012	439.9	394.5	608.9	381.7	397.7
ES Myrdal	533.1	530.2	742.3	462.4	465.5
SY Cosmos	554.2	467.6	714.9	489.7	577.7
EX3189	597.7	551.6	692.2	533.6	629.7
MGM444877	558.9	522.3	740.6	484.7	531.3
KXC2049	575.1	523.1	576.3	535.8	571.1
KXC2306	590.2	536.1	830.6	456.2	566.0
KXC2311	591.3	546.9	858.2	473.4	555.8
KXC2312	617.4	549.7	844.5	470.4	581.8
KXC1054	523.1	456.1	686.3	481.9	527.3
SA0632	538.7	508.5	589.1	445.5	569.0
SA0042	526.7	461.1	682.7	454.3	517.0
DF19ZM3E1217	510.2	490.9	449.5	464.7	501.7
KWS Damario	574.2	481.9	749.9	481.3	542.0
LG 31230	577.3	481.0	775.5	541.6	557.3
KWS Glasgo	596.5	547.6	788.9	501.9	509.9
Milandro	587.6	561.6	719.2	487.9	544.0
-Bezugsgrösse(n)	548.0	501.0	674.7	492.5	511.2
Versuchs-Mittel	555.7	506.3	699.3	483.0	528.9
VK [%]	8.0	5.8	10.4	8.8	7.6
KGD (5%)	28.4	61.0	151.2	70.2	66.1
KGD (1%)	37.5	82.7	205.1	ns	88.2
Versuchs-Streuung	44.5	29.5	73.1	42.7	40.2
FG Fehlerterm	268.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	PO
Verfahren	598544.3	23	13.13 ***	1.57	0.0000
Anbauorte	1937063.9	6	162.86 ***	2.13	0.0000
WW Verf. *Anb.Orte	701387.5	138	2.56 ***	1.27	0.0001
Fehler	531265.4	268			
Insgesamt	3768261.1	435			

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	543.3 -----	568.6 -----	553.8 -----
KWS Papageno	531.1 -----	544.1 -----	586.8 -----
KWS Odorico	527.7 ----	582.6 -----	597.6 -----
LG 31217	519.4 ----	568.7 -----	543.8 -----
Emeleen	565.2 -----	547.1 -----	539.2 -----
DKC 3218	527.5 ----	572.4 -----	573.1 -----
Wesley	485.6 ---	628.6 -----	545.0 -----
KXC1012	485.9 ---	413.4 -	397.2 -
ES Myrdal	484.5 ---	538.9 -----	507.6 ----
SY Cosmos	527.1 ----	511.3 ----	591.4 -----
EX3189	587.6 -----	555.3 -----	634.1 -----
MGM444877	517.6 ----	584.0 -----	531.5 -----
KXC2049	604.8 -----	585.4 -----	629.3 -----
KXC2306	552.1 -----	574.1 -----	616.2 -----
KXC2311	520.3 ----	600.2 -----	584.4 -----
KXC2312	595.1 -----	615.3 -----	665.3 -----
KXC1054	455.7 -	574.7 -----	479.9 ----
SA0632	525.2 ----	581.4 -----	552.1 -----
SA0042	496.4 ---	542.5 -----	532.6 -----
DF19ZM3E1217	557.5 -----	551.8 -----	555.4 -----
KWS Damario	593.3 -----	588.5 -----	582.5 -----
LG 31230	518.6 ----	602.3 -----	564.8 -----
KWS Glasgo	567.5 -----	623.6 -----	635.9 -----
Milandro	594.2 -----	613.4 -----	593.3 -----
-Bezugsgrösse(n)	548.2 -----	545.6 -----	563.0 -----
Versuchs-Mittel	536.8 -----	569.5 -----	566.4 -----
VK [%]	8.7	6.2	7.7
KGD (5%)	76.9	57.8	72.0
KGD (1%)	ns	77.2	96.3
Versuchs-Streuung	46.7	35.1	43.7
FG Fehlerterm	43.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	215.3 -----	215.5 -----	229.3 ---	187.9 -----	216.4 -----
KWS Papageno	218.4 -----	208.6 ----	250.3 -----	188.4 -----	226.1 -----
KWS Odorico	213.0 -----	216.8 -----	251.0 -----	179.2 ----	206.4 ---
LG 31217	210.5 -----	200.4 --	239.4 ----	182.4 ----	219.9 -----
Emeleen	216.3 -----	222.9 -----	227.7 --	194.0 -----	203.3 ---
DKC 3218	211.3 -----	231.4 -----	214.3 -	186.2 -----	212.8 -----
Wesley	221.2 -----	222.5 -----	249.9 -----	201.2 -----	213.6 -----
KXC1012	194.7 -	192.6 -	227.9 ---	164.9 -	191.2 -
ES Myrdal	215.0 -----	217.9 -----	258.6 -----	182.4 ----	212.6 -----
SY Cosmos	214.4 -----	212.7 -----	237.0 ----	182.5 ----	224.8 -----
EX3189	217.8 -----	226.4 -----	236.0 ----	182.0 ----	245.4 -----
MGM444877	209.7 -----	220.1 -----	246.7 -----	174.6 ---	214.7 -----
KXC2049	218.2 -----	209.8 ----	224.8 --	189.5 -----	229.8 -----
KXC2306	217.1 -----	215.8 -----	247.2 ----	177.5 ----	229.1 -----
KXC2311	223.2 -----	222.6 -----	269.1 -----	184.9 -----	234.7 -----
KXC2312	221.8 -----	208.7 ----	285.5 -----	180.9 ----	213.0 -----
KXC1054	216.5 -----	217.3 -----	233.6 ---	193.5 -----	227.8 -----
SA0632	218.5 -----	222.0 -----	237.1 ----	183.2 ----	231.8 -----
SA0042	211.1 -----	210.8 -----	227.8 ---	175.8 ---	221.1 -----
DF19ZM3E1217	206.5 ----	211.3 -----	224.5 --	175.3 ---	205.5 ---
KWS Damario	215.6 -----	208.5 ----	241.8 ----	172.5 --	215.1 -----
LG 31230	226.4 -----	221.0 -----	271.6 -----	205.4 -----	229.6 -----
KWS Glasgo	228.4 -----	229.1 -----	249.6 -----	197.6 -----	215.6 -----
Milandro	224.7 -----	236.7 -----	237.8 ----	184.0 ----	219.0 -----
-Bezugsgrösse(n)	217.4 -----	215.7 -----	239.0 ----	191.2 -----	214.7 -----
Versuchs-Mittel	216.1 -----	216.7 -----	242.4 -----	184.4 -----	219.2 -----
VK [%]	7.2	5.0	8.2	9.2	5.8
KGD (5%)	10.0	ns	ns	ns	21.1
KGD (1%)	13.2	ns	ns	ns	28.1
Versuchs-Streuung	15.6	10.8	20.0	17.0	12.8
FG Fehlerterm	268.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	21693.0	23	3.86 ***	1.57	0.0001
Anbauorte	151141.5	6	103.02 ***	2.13	0.0000
WW Verf.*Anb.Orte	40548.8	138	1.20 ns	1.27	
Fehler	65530.9	268			
Insgesamt	278914.2	435			

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	222.4 -----	199.1 -----	236.5 -----
KWS Papageno	212.6 ----	199.5 -----	243.4 -----
KWS Odorico	202.0 -	199.0 -----	236.2 -----
LG 31217	211.2 ----	193.6 ----	226.5 ----
Emeleen	231.4 -----	199.4 -----	235.6 -----
DKC 3218	214.1 ----	199.8 -----	220.6 ---
Wesley	210.1 ---	223.5 -----	227.8 ----
KXC1012	206.5 --	173.4 -	206.5 -
ES Myrdal	203.8 --	201.3 -----	228.2 ----
SY Cosmos	214.8 ----	182.2 --	246.4 -----
EX3189	227.8 -----	176.5 -	230.1 ----
MGM444877	204.7 --	196.2 ----	210.9 -
KXC2049	232.0 -----	200.8 -----	240.8 -----
KXC2306	221.8 -----	189.5 ----	238.6 -----
KXC2311	210.9 ---	205.9 -----	234.0 ----
KXC2312	224.1 -----	198.8 -----	241.3 -----
KXC1054	199.8 -	207.9 -----	235.8 -----
SA0632	217.6 ----	200.2 -----	237.7 ----
SA0042	203.6 --	196.6 ----	242.2 -----
DF19ZM3E1217	223.7 -----	183.8 ---	221.8 ---
KWS Damario	234.2 -----	201.7 -----	235.3 -----
LG 31230	217.7 ----	207.8 -----	231.6 ----
KWS Glasgo	232.2 -----	214.5 -----	260.2 -----
Milandro	238.8 -----	217.6 -----	238.8 -----
-Bezugsgrösse(n)	222.0 -----	199.5 -----	239.5 -----
Versuchs-Mittel	217.4 ----	198.7 -----	233.6 -----
VK [%]	8.1	5.8	7.6
KGD (5%)	ns	18.9	ns
KGD (1%)	ns	25.2	ns
Versuchs-Streuung	17.6	11.5	17.8
FG Fehlerterm	43.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	40.6 -----	45.7 -----	38.5 ----	38.7 -----	42.4 -----
KWS Papageno	39.6 ----	42.8 ----	33.7 ---	39.8 -----	42.6 -----
KWS Odorico	37.6 --	41.4 ----	32.8 --	36.5 --	40.4 ----
LG 31217	39.6 ----	42.1 ----	34.2 ---	38.7 -----	45.7 -----
Emeleen	40.3 ----	43.3 -----	38.4 ----	38.0 ----	41.3 ----
DKC 3218	38.1 ---	41.8 ----	32.5 --	37.6 ----	41.1 ----
Wesley	40.8 -----	43.8 -----	37.8 -----	39.6 -----	43.9 -----
KXC1012	44.9 -----	48.8 -----	37.6 -----	43.2 -----	48.2 -----
ES Myrdal	41.0 -----	41.2 ----	34.8 ---	40.1 -----	46.2 -----
SY Cosmos	39.0 ----	45.5 -----	33.2 --	37.3 ----	39.1 ---
EX3189	36.5 -	41.1 ---	34.4 ---	34.1 -	39.0 ---
MGM444877	37.8 --	42.1 ----	33.3 --	36.0 ---	40.5 ----
KXC2049	38.1 ---	40.1 ---	39.7 -----	35.4 --	40.3 ----
KXC2306	37.4 --	40.3 ---	29.8 -	39.0 -----	40.9 ----
KXC2311	38.4 ---	40.7 ---	31.4 -	39.0 -----	42.6 -----
KXC2312	36.2 -	38.0 -	33.9 ---	38.4 ----	36.6 -
KXC1054	42.1 -----	47.6 -----	33.9 ---	40.2 -----	43.2 -----
SA0632	40.8 -----	43.7 -----	40.9 -----	41.2 -----	40.9 ----
SA0042	40.5 -----	45.7 -----	33.4 --	38.8 -----	42.7 -----
DF19ZM3E1217	40.8 -----	43.0 ----	49.8 -----	37.7 ----	42.0 ----
KWS Damario	37.9 ---	43.2 ----	32.2 --	36.0 ---	39.8 ---
LG 31230	39.7 ----	46.0 -----	35.0 ---	38.0 ----	41.3 ----
KWS Glasgo	38.9 ----	41.9 ----	31.6 --	39.4 -----	43.2 -----
Milandro	38.5 ---	42.1 ----	33.1 --	37.7 ----	40.4 ----
-Bezugsgrösse(n)	40.0 ----	43.1 ----	36.0 ----	38.9 -----	42.0 ----
Versuchs-Mittel	39.4 ----	43.0 ----	35.2 ---	38.3 ----	41.8 ----
VK [%]	4.7	4.0	7.8	6.1	6.1
KGD (5%)	1.2	3.6	5.7	3.8	4.2
KGD (1%)	1.6	4.9	7.7	ns	5.6
Versuchs-Streuung	1.9	1.7	2.7	2.3	2.5
FG Fehlerterm	271.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1625.7	23	20.32 ***	1.57	0.0000
Anbauorte	4089.1	6	195.95 ***	2.13	0.0000
WW Verf. *Anb.Orte	1705.7	138	3.55 ***	1.27	0.0000
Fehler	942.5	271			
Insgesamt	8363.0	438			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	40.9 -----	35.0 ----	42.7 -----
KWS Papageno	40.1 ----	36.7 -----	41.5 ----
KWS Odorico	38.3 --	34.2 ---	39.5 ---
LG 31217	40.7 -----	34.2 ---	41.7 ----
Emeleen	41.0 -----	36.5 -----	43.7 -----
DKC 3218	40.6 -----	34.9 ----	38.6 --
Wesley	43.4 -----	35.6 ----	41.8 ----
KXC1012	42.5 -----	42.0 -----	52.0 -----
ES Myrdal	42.1 -----	37.4 -----	45.0 -----
SY Cosmos	40.5 -----	35.7 ----	41.7 ----
EX3189	38.8 --	31.8 -	36.3 -
MGM444877	39.5 ---	33.6 --	39.8 ---
KXC2049	38.4 --	34.3 ---	38.3 --
KXC2306	40.2 -----	33.0 --	38.7 --
KXC2311	40.5 -----	34.4 ---	40.2 ---
KXC2312	37.7 -	32.4 -	36.3 -
KXC1054	44.0 -----	36.2 -----	49.3 -----
SA0632	41.5 -----	34.4 ---	43.1 -----
SA0042	41.1 -----	36.3 -----	45.4 -----
DF19ZM3E1217	40.0 ----	33.3 --	39.9 ---
KWS Damario	39.5 ---	34.3 ---	40.6 ---
LG 31230	42.1 -----	34.5 ---	41.0 ----
KWS Glasgo	40.9 -----	34.5 ---	41.1 ----
Milandro	40.2 -----	35.5 ----	40.3 ---
-Bezugsgrösse(n)	40.5 -----	36.6 -----	42.6 -----
Versuchs-Mittel	40.6 -----	35.0 ----	41.6 ----
VK [%]	2.7	2.8	2.8
KGD (5%)	1.8	1.6	1.9
KGD (1%)	2.4	2.1	2.6
Versuchs-Streuung	1.1	1.0	1.2
FG Fehlerterm	46.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	149.3 -----	156.8 -----	143.9 ---	123.8 -----	151.9 -----
KWS Papageno	156.7 -----	154.1 -----	168.3 -----	128.5 -----	164.2 -----
KWS Odorico	151.3 -----	160.0 -----	173.7 -----	114.1 -	147.6 ----
LG 31217	146.3 -----	140.1 -	164.3 -----	118.1 ---	146.9 ----
Emeleen	151.8 -----	157.0 -----	149.7 ---	132.4 -----	142.6 ---
DKC 3218	147.6 -----	164.2 -----	141.2 ---	121.4 -----	145.7 ----
Wesley	156.9 -----	153.8 -----	177.0 -----	138.1 -----	150.3 -----
KXC1012	137.1 -	136.9 -	158.4 -----	111.7 -	133.1 -
ES Myrdal	152.0 -----	150.1 ----	187.2 -----	119.3 ---	154.7 -----
SY Cosmos	151.6 -----	155.7 -----	162.8 -----	119.4 ---	160.7 -----
EX3189	150.9 -----	159.1 -----	157.3 -----	122.0 -----	176.2 -----
MGM444877	145.3 -----	149.9 -----	167.2 -----	114.5 --	150.4 -----
KXC2049	153.9 -----	151.6 -----	148.3 -----	128.0 -----	162.9 -----
KXC2306	149.3 -----	147.1 ---	170.6 -----	113.3 -	161.4 -----
KXC2311	151.6 -----	149.9 -----	177.3 -----	119.6 ---	159.6 -----
KXC2312	154.8 -----	145.3 ---	192.2 -----	118.3 ---	152.8 -----
KXC1054	150.9 -----	151.9 -----	162.8 -----	123.4 -----	161.8 -----
SA0632	149.6 -----	157.2 -----	142.5 ---	118.4 ---	163.9 -----
SA0042	150.0 -----	150.4 -----	148.8 -----	122.0 -----	163.1 -----
DF19ZM3E1217	139.8 --	147.3 -----	125.6 -	114.8 --	144.0 ---
KWS Damario	153.0 -----	145.8 ---	164.2 -----	115.9 --	159.4 -----
LG 31230	159.8 -----	158.9 -----	187.6 -----	139.3 -----	163.2 -----
KWS Glasgo	159.9 -----	164.2 -----	171.5 -----	129.0 -----	154.9 -----
Milandro	159.1 -----	172.5 -----	158.7 -----	125.8 -----	161.3 -----
-Bezugsgrösse(n)	154.2 -----	155.5 -----	159.0 -----	130.4 -----	153.4 -----
Versuchs-Mittel	151.2 -----	153.3 -----	162.5 -----	122.1 -----	155.5 -----
VK [%]	8.0	5.8	10.2	9.4	7.1
KGD (5%)	7.7	ns	ns	ns	18.3
KGD (1%)	10.1	ns	ns	ns	ns
Versuchs-Streuung	12.0	8.9	16.6	11.4	11.1
FG Fehlerterm	268.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	13547.2	23	4.07 ***		1.57	0.0000
Anbauorte	93855.5	6	108.10 ***		2.13	0.0000
WW Verf.*Anb.Orte	29659.4	138	1.49 ns		1.27	
Fehler	38782.4	268				
Insgesamt	175844.4	435				

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	160.3 -----	138.5 -----	169.7 -----
KWS Papageno	159.6 -----	142.5 -----	179.3 -----
KWS Odorico	149.5 ---	141.0 -----	172.9 -----
LG 31217	157.1 -----	137.5 -----	160.5 ----
Emeleen	166.4 -----	144.3 -----	170.6 -----
DKC 3218	157.0 -----	143.3 -----	160.9 ----
Wesley	154.5 -----	158.8 -----	165.8 -----
KXC1012	150.8 ---	123.0 --	145.6 -
ES Myrdal	146.7 --	140.1 -----	166.2 -----
SY Cosmos	155.9 -----	128.8 ---	177.9 -----
EX3189	160.8 -----	119.5 -	161.3 ----
MGM444877	147.0 --	136.4 -----	151.6 --
KXC2049	167.9 -----	144.4 -----	174.1 -----
KXC2306	155.7 -----	130.0 ---	166.9 -----
KXC2311	145.9 --	142.9 -----	165.8 -----
KXC2312	163.8 -----	138.6 -----	172.5 -----
KXC1054	143.3 -	146.2 -----	166.7 -----
SA0632	154.7 -----	137.5 -----	173.3 -----
SA0042	147.0 --	141.8 -----	176.7 -----
DF19ZM3E1217	158.9 -----	126.7 --	161.2 ----
KWS Damaro	169.6 -----	146.2 -----	169.7 -----
LG 31230	153.9 -----	146.8 -----	169.1 -----
KWS Glasgo	164.2 -----	149.8 -----	186.0 -----
Milandro	169.8 -----	154.4 -----	171.3 -----
-Bezugsgrösse(n)	163.0 -----	143.4 -----	174.9 -----
Versuchs-Mittel	156.7 -----	139.9 -----	168.1 -----
VK [%]	8.7	6.2	8.0
KGD (5%)	ns	14.2	ns
KGD (1%)	ns	19.0	ns
Versuchs-Streuung	13.6	8.6	13.4
FG Fehlerterm	43.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	77.6 -----	91.1 -----	70.7 -----	62.8 ----	76.5 ----
KWS Papageno	82.5 -----	86.0 -----	77.9 -----	70.0 -----	88.2 -----
KWS Odorico	80.6 -----	94.2 -----	80.3 -----	57.6 --	83.2 -----
LG 31217	74.2 ---	69.5 -	78.9 -----	57.1 -	79.0 -----
Emeleen	78.3 -----	88.8 -----	67.7 -----	66.4 -----	76.8 -----
DKC 3218	68.6 -	80.3 ----	50.8 -	56.3 -	67.1 -
Wesley	83.7 -----	81.9 ----	88.1 -----	75.4 -----	82.1 -----
KXC1012	72.9 ---	74.0 --	81.8 -----	59.1 --	69.7 -
ES Myrdal	77.0 -----	78.6 ----	89.9 -----	58.9 --	85.0 -----
SY Cosmos	80.8 -----	87.9 -----	78.5 -----	57.0 -	88.7 -----
EX3189	73.0 ---	87.3 -----	66.8 -----	55.4 -	92.8 -----
MGM444877	73.7 ----	80.4 ----	77.3 -----	55.8 -	81.2 -----
KXC2049	81.0 -----	86.3 -----	75.3 -----	65.1 -----	86.7 -----
KXC2306	77.3 -----	78.2 ----	80.4 -----	56.9 -	87.4 -----
KXC2311	77.3 -----	76.2 ---	81.9 -----	61.7 ----	85.5 -----
KXC2312	79.3 -----	79.4 ----	83.5 -----	59.3 ---	82.3 -----
KXC1054	80.2 -----	82.5 ----	81.8 -----	60.4 ---	90.4 -----
SA0632	80.4 -----	89.6 -----	71.5 -----	62.0 ----	92.5 -----
SA0042	81.2 -----	83.6 ----	69.1 ----	65.2 -----	96.7 -----
DF19ZM3E1217	70.9 --	80.0 ----	55.3 --	57.9 --	77.7 ----
KWS Damario	79.8 -----	77.6 ---	79.3 -----	58.7 --	88.1 -----
LG 31230	84.9 -----	92.8 -----	90.5 -----	73.7 -----	91.5 -----
KWS Glasgo	81.8 -----	89.1 -----	73.0 -----	65.3 -----	83.6 -----
Milandro	82.9 -----	98.3 -----	72.8 -----	66.2 -----	88.3 -----
-Bezugsgrösse(n)	80.4 -----	87.4 -----	72.8 -----	68.2 -----	82.5 -----
Versuchs-Mittel	78.3 -----	83.9 -----	76.0 -----	61.8 ----	84.2 -----
VK [%]	10.6	8.6	12.3	12.4	11.6
KGD (5%)	5.3	ns	19.3	ns	ns
KGD (1%)	7.0	ns	ns	ns	ns
Versuchs-Streuung	8.3	7.2	9.3	7.7	9.8
FG Fehlerterm	268.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7812.0	23	4.96 ***	1.57	0.0000
Anbauorte	32636.9	6	79.50 ***	2.13	0.0000
WW Verf.*Anb.Orte	13139.6	138	1.39 ns	1.27	
Fehler	18337.1	268			
Insgesamt	71925.6	435			

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	89.4 -----	68.7 -----	84.3 ----
KWS Papageno	89.9 -----	73.3 -----	92.3 -----
KWS Odorico	82.4 -----	74.2 -----	92.1 -----
LG 31217	87.9 -----	68.3 -----	78.6 --
Emeleen	88.5 -----	77.9 -----	81.7 ---
DKC 3218	80.5 ----	65.8 -----	79.7 ---
Wesley	87.7 -----	83.1 -----	87.7 -----
KXC1012	80.0 ----	65.5 -----	79.8 ---
ES Myrdal	74.8 -	67.2 -----	84.8 -----
SY Cosmos	88.6 -----	68.5 -----	96.4 -----
EX3189	78.6 ---	51.9 -	78.0 --
MGM444877	76.7 --	69.3 -----	74.9 -
KXC2049	89.3 -----	75.1 -----	89.0 -----
KXC2306	84.5 -----	65.1 -----	88.4 -----
KXC2311	77.0 --	72.8 -----	85.9 -----
KXC2312	90.1 -----	71.1 -----	89.2 -----
KXC1054	77.8 ---	75.4 -----	93.0 -----
SA0632	85.8 -----	67.3 -----	93.9 -----
SA0042	78.9 ---	76.9 -----	98.5 -----
DF19ZM3E1217	82.0 -----	63.7 -----	79.7 ---
KWS Damaro	88.4 -----	77.6 -----	88.9 -----
LG 31230	82.4 -----	76.5 -----	87.2 -----
KWS Glasgo	84.7 -----	77.5 -----	99.6 -----
Milandro	90.0 -----	78.4 -----	86.1 -----
-Bezugsgrösse(n)	89.2 -----	75.6 -----	87.0 -----
Versuchs-Mittel	84.0 -----	71.3 -----	87.1 -----
VK [%]	10.4	9.2	9.3
KGD (5%)	ns	10.8	13.4
KGD (1%)	ns	14.4	ns
Versuchs-Streuung	8.8	6.6	8.2
FG Fehlerterm	43.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	692.7	727.7	626.9	659.2	701.6
KWS Papageno	717.4	738.5	672.1	682.9	726.1
KWS Odorico	709.0	738.1	691.9	637.0	715.1
LG 31217	694.6	698.3	686.3	647.9	667.6
Emeleen	700.8	704.3	653.5	680.9	700.8
DKC 3218	697.5	709.6	657.4	652.5	683.9
Wesley	708.5	691.4	705.6	686.1	703.4
KXC1012	703.4	712.1	695.1	677.1	695.9
ES Myrdal	704.7	688.2	724.9	650.9	727.2
SY Cosmos	706.4	732.7	687.0	656.4	714.8
EX3189	691.7	702.4	666.4	671.6	717.9
MGM444877	692.7	681.5	677.8	656.1	700.5
KXC2049	704.5	722.7	659.2	676.1	708.3
KXC2306	685.4	680.2	688.9	638.3	702.8
KXC2311	679.3	673.3	658.9	648.5	680.0
KXC2312	697.6	696.5	672.9	653.9	717.5
KXC1054	695.6	698.2	697.3	637.4	710.0
SA0632	684.5	708.5	601.3	646.7	706.7
SA0042	710.2	713.4	652.9	694.0	735.9
DF19ZM3E1217	676.5	697.2	556.6	656.8	700.6
KWS Damario	708.9	700.6	678.7	672.5	740.8
LG 31230	706.4	719.1	690.8	678.6	710.5
KWS Glasgo	699.6	716.5	686.9	654.3	718.2
Milandro	707.5	729.0	667.1	682.8	736.9
-Bezugsgrösse(n)	709.1	721.4	662.8	681.9	713.4
Versuchs-Mittel	699.0	707.5	669.0	662.4	709.3
VK [%]	2.6	2.5	3.5	3.2	2.8
KGD (5%)	11.4	36.4	48.5	34.7	32.8
KGD (1%)	15.0	ns	65.8	ns	43.8
Versuchs-Streuung	17.9	17.6	23.4	21.1	20.0
FG Fehlerterm	273.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	47103.3	23	6.43 ***	1.57	0.0000
Anbauorte	217886.5	6	113.97 ***	2.13	0.0000
WW Verf. *Anb.Orte	117362.8	138	2.67 ***	1.27	0.0001
Fehler	86990.1	273			
Insgesamt	469342.7	440			

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	720.7 ----	695.5 ----	717.5 ----
KWS Papageno	751.1 -----	714.7 -----	736.5 -----
KWS Odorico	741.0 -----	708.1 -----	732.0 -----
LG 31217	744.0 -----	709.6 -----	708.2 ---
Emeleen	719.0 ----	723.5 -----	723.9 -----
DKC 3218	732.8 -----	716.7 -----	729.7 -----
Wesley	735.6 -----	710.3 -----	727.4 -----
KXC1012	730.1 -----	709.0 -----	704.2 --
ES Myrdal	718.2 ----	695.1 ----	728.2 -----
SY Cosmos	725.2 -----	707.1 -----	721.7 -----
EX3189	706.0 ---	676.8 -	700.9 -
MGM444877	717.7 ----	696.2 ----	719.1 -----
KXC2049	723.2 -----	718.9 -----	723.0 -----
KXC2306	701.9 --	685.7 --	699.7 -
KXC2311	691.9 -	693.7 ----	708.6 ---
KXC2312	731.2 -----	696.8 ----	714.6 ----
KXC1054	717.6 ----	703.0 -----	705.6 --
SA0632	712.2 ----	686.6 ---	729.5 -----
SA0042	722.7 -----	721.1 -----	731.6 -----
DF19ZM3E1217	708.7 ---	689.5 ---	726.2 -----
KWS Damarico	723.8 -----	725.0 -----	721.1 -----
LG 31230	707.8 ---	706.2 -----	731.6 -----
KWS Glasgo	707.6 ---	698.6 ----	715.1 ----
Milandro	710.9 ----	709.6 -----	716.2 ----
-Bezugsgrösse(n)	735.0 -----	719.1 -----	730.2 -----
Versuchs-Mittel	720.9 ----	704.1 ----	719.7 ----
VK [%]	2.1	1.9	2.1
KGD (5%)	24.5	22.2	ns
KGD (1%)	32.7	29.6	ns
Versuchs-Streuung	14.9	13.5	15.1
FG Fehlerterm	44.0	46.0	45.0
Anz. Beob.	3.0	3.0	3.0

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	359.7	422.6	308.3	331.8	353.1
KWS Papageno	379.1	411.8	310.8	371.9	389.6
KWS Odorico	378.4	434.8	319.7	321.8	403.3
LG 31217	352.1	346.3	329.7	313.1	359.1
Emeleen	361.5	398.2	297.1	340.2	376.7
DKC 3218	323.8	347.0	236.1	302.8	314.9
Wesley	378.4	367.7	349.8	374.3	383.8
KXC1012	374.1	386.2	359.1	357.8	364.2
ES Myrdal	356.6	360.2	348.7	320.2	398.8
SY Cosmos	376.3	414.4	331.4	314.9	394.0
EX3189	332.8	385.7	283.1	305.2	377.7
MGM444877	351.3	365.2	313.4	319.4	377.6
KXC2049	370.6	411.9	335.8	343.7	376.3
KXC2306	354.2	360.0	323.8	320.6	379.7
KXC2311	347.3	342.4	304.5	335.3	364.0
KXC2312	359.7	380.6	292.3	328.9	386.3
KXC1054	369.0	378.2	349.5	311.9	396.7
SA0632	367.5	404.0	303.9	338.8	399.1
SA0042	385.2	396.6	303.5	370.8	435.0
DF19ZM3E1217	343.3	378.9	243.7	331.5	378.5
KWS Damario	369.9	372.7	328.2	340.3	408.6
LG 31230	377.0	419.8	334.0	359.9	398.1
KWS Glasgo	358.6	389.0	291.2	331.7	388.1
Milandro	368.5	415.6	305.9	357.5	404.0
-Bezugsgrösse(n)	370.3	405.0	303.9	356.1	383.2
Versuchs-Mittel	362.3	387.0	312.6	335.2	383.6
VK [%]	7.1	6.4	7.8	7.6	8.3
KGD (5%)	16.4	51.0	50.5	42.0	ns
KGD (1%)	21.6	ns	68.5	ns	ns
Versuchs-Streuung	25.7	24.6	24.4	25.5	31.7
FG Fehlerterm	269.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	102621.6	23	6.78 ***	1.57	0.0000
Anbauorte	325212.3	6	82.37 ***	2.13	0.0000
WW Verf.*Anb.Orte	133071.8	138	1.47 ns	1.27	
Fehler	177002.7	269			
Insgesamt	737908.3	436			

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	401.2 -----	345.5 -----	355.7 ---
KWS Papageno	423.1 -----	366.8 -----	379.7 -----
KWS Odorico	408.9 -----	371.0 -----	389.4 -----
LG 31217	417.3 -----	352.3 -----	347.0 --
Emeleen	382.4 -----	390.0 -----	345.8 --
DKC 3218	375.6 -----	328.2 -----	361.9 -----
Wesley	417.9 -----	371.1 -----	384.3 -----
KXC1012	387.6 -----	378.3 -----	385.4 -----
ES Myrdal	364.4 ---	332.8 -----	371.2 -----
SY Cosmos	412.9 -----	375.8 -----	391.1 -----
EX3189	345.0 -	294.0 -	338.8 -
MGM444877	374.4 -----	353.6 -----	355.8 ---
KXC2049	383.5 -----	373.7 -----	369.7 -----
KXC2306	380.9 -----	344.1 -----	370.7 -----
KXC2311	364.9 ---	353.6 -----	366.7 -----
KXC2312	403.3 -----	357.6 -----	368.8 -----
KXC1054	390.3 -----	362.5 -----	394.1 -----
SA0632	395.1 -----	336.0 -----	395.3 -----
SA0042	390.0 -----	391.0 -----	409.3 -----
DF19ZM3E1217	365.2 ---	346.7 -----	358.8 ---
KWS Damaro	377.6 -----	384.7 -----	377.5 -----
LG 31230	380.2 -----	368.2 -----	378.5 -----
KWS Glasgo	365.4 ---	361.7 -----	383.0 -----
Milandro	377.0 -----	359.1 -----	360.2 -----
-Bezugsgrösse(n)	402.8 -----	378.4 -----	362.8 -----
Versuchs-Mittel	386.8 -----	358.3 -----	372.4 -----
VK [%]	6.9	6.4	5.7
KGD (5%)	ns	37.6	34.9
KGD (1%)	ns	50.2	ns
Versuchs-Streuung	26.5	22.8	21.2
FG Fehlerterm	44.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	202.7 -----	173.7 --	242.6 -----	228.0 -----	199.3 -----
KWS Papageno	189.2 -	176.3 ---	219.7 ---	211.7 --	180.3 ----
KWS Odorico	188.6 -	166.6 -	203.8 --	238.0 -----	176.9 ---
LG 31217	205.9 -----	209.4 -----	212.7 ---	237.1 -----	209.8 -----
Emeleen	200.0 ----	188.6 ----	236.6 ----	218.6 ----	190.1 -----
DKC 3218	205.6 -----	201.1 -----	236.8 ----	235.0 -----	211.5 -----
Wesley	194.5 ---	204.2 -----	202.7 --	207.4 -	196.8 -----
KXC1012	194.2 ---	188.4 ----	200.2 -	210.5 -	202.2 -----
ES Myrdal	204.3 -----	210.0 -----	194.6 -	242.8 -----	185.3 ----
SY Cosmos	195.2 ---	174.6 --	216.1 ---	238.1 -----	185.2 ----
EX3189	209.3 -----	191.2 -----	233.6 ----	235.4 -----	190.6 ----
MGM444877	205.1 -----	209.5 -----	221.5 ----	237.5 -----	195.0 -----
KXC2049	197.6 ----	176.1 ---	226.0 ----	226.2 ----	193.1 ----
KXC2306	210.0 -----	207.0 -----	216.8 ---	244.9 -----	196.7 ----
KXC2311	213.0 -----	215.6 -----	231.7 ----	237.1 -----	208.3 -----
KXC2312	202.2 ----	194.2 ----	224.5 ----	236.5 -----	188.7 ----
KXC1054	199.8 ----	195.2 ----	200.2 -	245.7 -----	184.8 ----
SA0632	206.0 -----	182.8 ----	258.0 -----	235.0 -----	186.3 ----
SA0042	190.7 -	187.6 ----	232.5 ----	208.1 -	166.8 -
DF19ZM3E1217	213.7 -----	193.2 ----	283.0 -----	230.1 -----	194.1 ----
KWS Damario	193.1 --	195.6 -----	213.2 ---	218.4 ---	172.4 --
LG 31230	195.5 ---	180.4 ---	213.2 ---	214.8 ---	189.8 ----
KWS Glasgo	196.1 ----	183.1 ----	209.4 --	221.1 ----	184.1 ----
Milandro	192.7 --	168.9 -	217.5 ---	209.7 -	177.3 ---
-Bezugsgrösse(n)	194.6 ---	182.5 ----	228.1 ----	215.2 ---	185.2 -----
Versuchs-Mittel	200.2 -----	190.5 -----	222.8 ----	227.8 -----	190.2 -----
VK [%]	6.6	7.1	6.9	6.2	8.5
KGD (5%)	8.4	27.9	31.7	23.1	ns
KGD (1%)	11.1	ns	43.0	30.9	ns
Versuchs-Streuung	13.2	13.5	15.3	14.1	16.2
FG Fehlerterm	271.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	23997.6	23	5.99 ***	1.57	0.0000
Anbauorte	120422.3	6	115.18 ***	2.13	0.0000
WW Verf.*Anb.Orte	45800.2	138	1.90 ***	1.27	0.0006
Fehler	47222.7	271			
Insgesamt	237442.8	438			

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	183.1 -----	199.2 -----	193.3 -----
KWS Papageno	163.7 -	191.3 ----	181.2 ---
KWS Odorico	168.9 --	188.2 ---	177.8 --
LG 31217	171.9 ---	199.1 -----	201.1 -----
Emeleen	188.6 -----	181.8 -	195.7 -----
DKC 3218	181.2 -----	192.9 ----	181.0 ---
Wesley	176.4 ----	191.0 ---	182.8 ----
KXC1012	181.1 -----	190.4 ---	186.9 -----
ES Myrdal	196.3 -----	211.1 -----	190.3 -----
SY Cosmos	177.5 ----	194.7 -----	180.6 ---
EX3189	197.9 -----	214.7 -----	201.7 -----
MGM444877	190.4 -----	195.0 -----	186.9 -----
KXC2049	186.7 -----	185.6 --	189.2 -----
KXC2306	195.0 -----	212.1 -----	197.2 -----
KXC2311	201.5 -----	205.0 -----	191.7 -----
KXC2312	179.3 -----	204.1 -----	188.1 -----
KXC1054	189.6 -----	197.2 -----	185.7 -----
SA0632	188.5 -----	211.7 -----	179.4 ---
SA0042	182.1 -----	184.0 -	173.7 -
DF19ZM3E1217	195.5 -----	209.3 -----	190.8 -----
KWS Damario	185.3 -----	183.8 -	183.3 ----
LG 31230	191.1 -----	194.9 -----	184.5 ----
KWS Glasgo	193.3 -----	195.8 -----	186.2 -----
Milandro	189.5 -----	193.5 ----	192.5 -----
-Bezugsgrösse(n)	176.2 ----	186.6 --	188.5 -----
Versuchs-Mittel	185.6 -----	196.9 -----	187.6 -----
VK [%]	6.6	5.3	5.8
KGD (5%)	20.0	17.0	ns
KGD (1%)	ns	22.8	ns
Versuchs-Streuung	12.2	10.4	10.8
FG Fehlerterm	44.0	44.0	45.0
Anz. Beob.	3.0	3.0	3.0

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	434.3 -----	391.6 --	499.8 -----	482.5 -----	428.2 -----
KWS Papageno	399.8 -	379.2 -	450.3 ---	444.3 -	382.8 ---
KWS Odorico	406.1 --	374.9 -	425.1 --	494.2 -----	390.4 ----
LG 31217	437.8 -----	438.3 -----	438.3 ---	499.7 -----	455.9 -----
Emeleen	426.9 -----	413.7 -----	478.1 -----	458.8 ---	419.4 -----
DKC 3218	445.1 -----	449.5 -----	487.0 -----	494.8 -----	457.4 -----
Wesley	419.1 ----	443.5 -----	422.2 --	448.9 -	426.6 -----
KXC1012	422.8 ----	422.0 -----	427.3 --	465.3 ----	428.3 -----
ES Myrdal	425.5 -----	449.4 -----	404.9 -	489.2 -----	393.5 ----
SY Cosmos	416.1 ----	399.4 ---	438.0 ---	484.2 -----	397.5 ----
EX3189	438.8 -----	420.7 -----	464.5 ----	471.9 ----	404.3 ----
MGM444877	433.7 -----	451.1 -----	433.6 --	491.4 -----	419.2 -----
KXC2049	417.0 ----	398.9 ---	459.0 ----	451.6 --	411.5 ----
KXC2306	440.2 -----	455.7 -----	434.0 --	501.8 -----	412.8 ----
KXC2311	448.8 -----	467.2 -----	461.8 ----	498.6 -----	441.9 -----
KXC2312	424.4 -----	427.3 -----	444.3 ---	484.9 -----	392.2 ----
KXC1054	426.3 -----	431.7 -----	407.7 -	508.3 -----	395.7 ----
SA0632	436.6 -----	411.5 ----	513.6 -----	499.2 -----	403.2 ----
SA0042	408.3 --	411.1 ----	455.9 ----	446.2 -	362.6 -
DF19ZM3E1217	446.1 -----	418.4 ----	564.6 -----	480.4 -----	414.9 ----
KWS Damario	410.3 ---	420.5 -----	427.9 --	468.1 ----	369.9 -
LG 31230	416.8 ----	396.5 ---	428.6 --	453.2 --	409.6 -----
KWS Glasgo	422.7 -----	408.5 ----	429.9 --	477.7 -----	398.8 ----
Milandro	414.7 ----	387.8 --	454.0 ----	446.2 -	378.2 --
-Bezugsgrösse(n)	413.3 ---	396.4 ---	464.2 ----	451.5 --	401.1 -----
Versuchs-Mittel	425.8 -----	419.5 -----	452.1 ----	476.7 -----	408.1 -----
VK [%]	5.3	5.7	6.0	5.2	6.4
KGD (5%)	14.3	49.3	55.7	41.1	42.9
KGD (1%)	18.9	ns	75.5	ns	57.2
Versuchs-Streuung	22.4	23.8	26.9	25.0	26.1
FG Fehlerterm	273.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	78584.2	23	6.80 ***	1.57	0.0000
Anbauorte	317496.2	6	105.24 ***	2.13	0.0000
WW Verf. *Anb.Orte	154686.9	138	2.23 ***	1.27	0.0003
Fehler	137268.5	273			
Insgesamt	688035.9	440			

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	393.3 -----	427.6 -----	417.4 -----
KWS Papageno	350.2 -	400.7 ---	391.0 --
KWS Odorico	363.2 --	406.4 ---	388.6 -
LG 31217	368.4 ---	427.6 -----	436.3 -----
Emeleen	400.5 -----	396.0 --	421.8 -----
DKC 3218	390.9 -----	423.3 -----	413.1 -----
Wesley	377.4 ----	413.5 ----	401.8 ----
KXC1012	387.8 -----	412.4 ----	416.3 -----
ES Myrdal	406.5 -----	434.8 -----	400.0 ---
SY Cosmos	380.6 ----	412.2 ----	400.9 ----
EX3189	417.6 -----	457.2 -----	435.4 -----
MGM444877	401.4 -----	425.5 -----	413.6 -----
KXC2049	394.3 -----	400.4 --	403.4 ----
KXC2306	409.5 -----	443.0 -----	424.3 -----
KXC2311	426.3 -----	426.7 -----	419.0 -----
KXC2312	395.8 -----	420.5 ----	406.1 ----
KXC1054	407.6 -----	413.8 ----	419.2 -----
SA0632	404.1 -----	434.4 -----	390.6 --
SA0042	394.0 ----	402.3 ---	386.0 -
DF19ZM3E1217	406.7 -----	435.8 -----	401.6 ----
KWS Damaro	396.5 -----	387.2 -	402.1 ----
LG 31230	416.8 -----	419.4 ----	393.4 --
KWS Glasgo	417.1 -----	425.4 -----	401.3 ----
Milandro	398.2 -----	426.7 -----	411.8 -----
-Bezugsgrösse(n)	375.4 ----	398.4 --	406.4 -----
Versuchs-Mittel	396.0 -----	419.7 -----	408.1 -----
VK [%]	4.8	4.4	4.5
KGD (5%)	31.5	30.6	ns
KGD (1%)	42.0	ns	ns
Versuchs-Streuung	19.1	18.6	18.5
FG Fehlerterm	46.0	44.0	45.0
Anz. Beob.	3.0	3.0	3.0

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	246.4 -----	215.4 --	296.1 -----	274.8 -----	243.7 -----
KWS Papageno	222.1 -	211.6 -	258.9 ---	247.4 -	211.7 --
KWS Odorico	226.5 --	207.2 -	242.9 --	282.7 -----	213.0 ---
LG 31217	248.5 -----	256.9 -----	253.9 ---	288.0 -----	256.2 -----
Emeleen	242.4 -----	234.1 ----	284.7 -----	264.1 ----	234.2 -----
DKC 3218	248.5 -----	254.1 -----	285.0 -----	282.0 -----	249.4 -----
Wesley	232.9 ----	246.7 -----	245.5 --	250.1 -	234.9 -----
KXC1012	229.0 ---	223.7 ---	234.9 -	254.2 --	233.4 -----
ES Myrdal	240.6 -----	253.2 -----	225.8 -	285.7 -----	217.4 ---
SY Cosmos	234.7 ----	221.8 ---	251.9 ---	283.7 -----	220.8 ----
EX3189	251.7 -----	237.8 -----	273.6 -----	277.9 -----	229.2 -----
MGM444877	244.2 -----	256.2 -----	253.0 ---	283.4 -----	231.1 -----
KXC2049	236.1 ----	220.9 ---	268.5 ----	263.4 ----	230.9 -----
KXC2306	250.4 -----	257.2 -----	258.7 ---	288.5 -----	232.6 -----
KXC2311	254.0 -----	266.1 -----	272.3 -----	281.9 -----	249.5 -----
KXC2312	239.7 -----	241.4 -----	263.3 ----	273.8 -----	224.0 ----
KXC1054	239.4 -----	239.3 -----	238.2 --	290.3 -----	223.7 ----
SA0632	251.7 -----	231.5 ----	310.2 -----	287.3 -----	230.0 ----
SA0042	230.7 ---	233.6 ----	270.5 ----	254.3 --	202.2 -
DF19ZM3E1217	255.9 -----	237.1 -----	344.9 -----	275.6 -----	232.2 -----
KWS Damario	227.6 --	233.9 ----	244.0 --	262.6 ----	203.4 -
LG 31230	234.4 ----	220.0 ---	247.5 --	257.6 ---	230.2 -----
KWS Glasgo	234.7 ----	225.4 ----	241.9 --	267.4 ----	220.7 ----
Milandro	230.0 ---	207.5 -	257.5 ---	249.6 -	210.1 --
-Bezugsgrösse(n)	232.2 ----	222.8 ---	271.8 ----	255.8 ---	222.9 ----
Versuchs-Mittel	239.7 -----	234.7 -----	263.5 ----	271.9 -----	227.7 -----
VK [%]	6.3	6.7	6.9	6.3	7.9
KGD (5%)	9.6	32.6	37.5	28.3	29.7
KGD (1%)	12.7	ns	50.9	ns	ns
Versuchs-Streuung	15.1	15.8	18.1	17.2	18.1
FG Fehlerterm	271.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	40990.4	23	7.85 ***	1.57	0.0000
Anbauorte	154055.2	6	113.05 ***	2.13	0.0000
WW Verf. *Anb.Orte	68009.2	138	2.17 ***	1.27	0.0003
Fehler	61550.5	271			
Insgesamt	324605.3	438			

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	220.0 -----	239.5 -----	235.5 -----
KWS Papageno	191.3 -	219.7 --	213.9 -
KWS Odorico	203.1 ---	224.1 ----	212.4 -
LG 31217	206.4 ----	236.1 -----	242.2 -----
Emeleen	224.3 -----	217.0 --	238.3 -----
DKC 3218	213.3 ----	232.6 ----	223.3 ----
Wesley	205.1 ----	226.3 ----	221.6 ---
KXC1012	210.9 ----	222.6 ---	223.5 ----
ES Myrdal	231.6 -----	245.9 -----	224.6 ----
SY Cosmos	212.1 ----	228.9 ----	224.0 ----
EX3189	237.2 -----	256.7 -----	249.3 -----
MGM444877	223.7 -----	233.3 ----	228.8 ----
KXC2049	220.6 -----	220.8 ---	227.9 ----
KXC2306	228.2 -----	251.4 -----	236.5 -----
KXC2311	237.2 -----	241.8 -----	229.2 ----
KXC2312	215.7 ----	236.4 ----	223.5 ----
KXC1054	225.7 -----	232.9 ----	225.5 ----
SA0632	229.9 -----	251.8 -----	220.9 ---
SA0042	220.4 -----	222.2 ---	211.7 -
DF19ZM3E1217	231.3 -----	244.6 -----	226.0 ----
KWS Damaro	220.8 -----	210.2 -	218.1 --
LG 31230	234.2 -----	233.0 ----	218.4 --
KWS Glasgo	232.7 -----	237.6 ----	217.4 --
Milandro	222.7 -----	235.0 ----	227.4 ----
-Bezugsgrösse(n)	207.8 ----	218.3 --	226.1 ----
Versuchs-Mittel	220.8 -----	233.4 -----	225.8 ----
VK [%]	5.9	5.0	5.2
KGD (5%)	21.4	19.3	19.3
KGD (1%)	28.6	25.8	ns
Versuchs-Streuung	13.0	11.7	11.7
FG Fehlerterm	44.0	44.0	45.0
Anz. Beob.	3.0	3.0	3.0

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	26.2 ----	24.0 --	33.8 -----	27.5 ----	25.0 ----
KWS Papageno	24.0 -	23.4 -	29.8 ----	25.9 --	22.5 -
KWS Odorico	26.2 ----	24.6 ---	26.8 ---	32.6 -----	24.9 ----
LG 31217	25.3 ---	26.3 ----	25.8 ---	28.8 ----	27.5 -----
Emeleen	26.1 ----	28.0 -----	30.9 -----	26.1 --	26.5 -----
DKC 3218	24.7 --	24.3 --	30.0 ----	27.8 ----	25.4 ----
Wesley	24.4 -	25.6 ----	25.7 --	25.0 -	26.8 -----
KXC1012	24.4 -	23.2 -	25.7 --	24.7 -	27.1 -----
ES Myrdal	25.4 ---	27.5 -----	23.1 -	30.6 -----	24.1 ----
SY Cosmos	25.0 --	23.3 -	26.4 ---	30.2 -----	24.9 ----
EX3189	26.3 ----	26.1 ----	28.5 ----	28.5 ----	23.5 --
MGM444877	26.1 ----	27.1 -----	27.3 ----	30.8 -----	25.1 ----
KXC2049	26.2 ----	25.5 ----	30.4 ----	29.1 ----	26.2 ----
KXC2306	28.2 -----	28.2 -----	28.6 ----	32.0 -----	26.7 ----
KXC2311	28.7 -----	29.9 -----	31.1 ----	31.1 ----	28.7 -----
KXC2312	26.1 ----	26.9 ----	28.4 ----	29.8 ----	25.2 ----
KXC1054	27.0 -----	25.0 ---	27.8 ----	33.0 -----	26.2 ----
SA0632	29.4 -----	28.4 -----	37.3 -----	31.3 -----	28.7 -----
SA0042	24.9 --	24.5 ---	30.8 ----	25.0 -	23.0 --
DF19ZM3E1217	26.4 ----	26.8 ----	29.4 ----	28.0 ----	25.8 ----
KWS Damario	24.4 -	24.7 ---	27.6 ----	26.7 ---	22.3 -
LG 31230	25.4 ---	25.0 ---	26.4 ---	25.8 --	26.7 -----
KWS Glasgo	26.6 ----	25.0 ---	26.7 ---	29.5 -----	25.6 ----
Milandro	25.2 ---	23.1 -	29.9 ----	25.6 --	23.1 --
-Bezugsgrösse(n)	25.1 ---	25.7 ----	30.4 -----	26.0 --	24.5 ----
Versuchs-Mittel	25.9 ----	25.7 ----	28.7 ----	28.6 ----	25.5 -----
VK [%]	7.2	5.0	9.3	8.7	7.1
KGD (5%)	1.2	2.7	5.5	4.1	3.0
KGD (1%)	1.6	3.6	ns	5.4	4.0
Versuchs-Streuung	1.9	1.3	2.7	2.5	1.8
FG Fehlerterm	271.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	806.5	23	10.02 ***		1.57	0.0000
Anbauorte	1827.6	6	87.05 ***		2.13	0.0000
WW Verf. *Anb.Orte	1110.2	138	2.30 ***		1.27	0.0002
Fehler	948.2	271				
Insgesamt	4692.5	438				

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	24.0 -----	26.8 -----	22.0 ---
KWS Papageno	20.5 -	25.5 -----	20.6 -
KWS Odorico	25.0 -----	26.9 -----	22.5 ----
LG 31217	22.4 ---	24.2 ---	22.4 ----
Emeleen	25.0 -----	24.7 ----	21.5 --
DKC 3218	22.1 ---	22.5 -	20.9 -
Wesley	22.5 ---	24.1 ---	21.1 -
KXC1012	22.4 ---	24.2 ---	23.6 -----
ES Myrdal	24.6 -----	26.8 -----	21.0 -
SY Cosmos	23.4 ----	24.5 ---	22.2 ----
EX3189	24.8 -----	28.3 -----	24.7 -----
MGM444877	23.5 ----	26.7 -----	22.3 ----
KXC2049	24.1 -----	24.5 ---	23.7 -----
KXC2306	26.7 -----	28.8 -----	26.1 -----
KXC2311	27.4 -----	28.2 -----	24.6 -----
KXC2312	23.1 ----	26.8 -----	22.6 ----
KXC1054	24.4 -----	27.9 -----	24.9 -----
SA0632	26.0 -----	30.0 -----	24.3 -----
SA0042	23.9 -----	26.2 -----	20.9 -
DF19ZM3E1217	25.2 -----	28.3 -----	21.3 --
KWS Damario	22.7 ----	24.4 ---	22.8 ----
LG 31230	25.0 -----	27.3 -----	21.8 ---
KWS Glasgo	25.5 -----	28.9 -----	25.1 -----
Milandro	25.8 -----	26.1 ----	23.0 ----
-Bezugsgrösse(n)	22.8 ----	25.1 ----	21.1 -
Versuchs-Mittel	24.2 -----	26.4 -----	22.7 ----
VK [%]	5.3	6.2	7.3
KGD (5%)	2.1	2.7	2.7
KGD (1%)	2.8	3.6	3.6
Versuchs-Streuung	1.3	1.6	1.7
FG Fehlerterm	44.0	46.0	43.0
Anz. Beob.	3.0	3.0	3.0

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	73.0 ----	77.9 -----	70.4 --	62.8 ----	74.4 -----
KWS Papageno	75.7 -----	78.7 -----	72.6 ----	65.8 -----	78.2 -----
KWS Odorico	77.2 -----	79.3 -----	77.0 -----	65.5 -----	76.3 -----
LG 31217	69.1 -	73.3 --	68.9 -	58.2 -	65.5 -
Emeleen	74.2 -----	78.5 -----	75.6 ----	66.0 -----	78.7 -----
DKC 3218	75.8 -----	71.6 -	83.6 -----	68.8 -----	75.2 -----
Wesley	71.2 ---	72.2 --	70.1 --	65.3 -----	73.1 -----
KXC1012	70.8 --	70.7 -	71.4 ---	63.1 ----	71.8 ----
ES Myrdal	74.8 -----	78.8 -----	73.3 ----	68.9 -----	76.8 -----
SY Cosmos	72.2 ----	73.4 ---	68.1 -	68.1 -----	78.1 -----
EX3189	74.8 -----	78.3 -----	72.6 ----	72.0 -----	76.0 -----
MGM444877	75.0 -----	74.7 ----	76.2 -----	67.2 -----	74.9 -----
KXC2049	72.4 ----	75.9 ----	69.6 --	68.1 -----	73.9 ----
KXC2306	73.6 ----	74.1 --	77.4 -----	62.9 ---	78.3 -----
KXC2311	70.8 --	72.2 --	72.8 ----	60.8 --	72.5 ----
KXC2312	74.0 -----	75.6 ----	72.5 ---	67.4 -----	78.8 -----
KXC1054	72.5 ----	70.7 -	77.6 -----	65.3 -----	75.7 -----
SA0632	74.2 -----	79.2 -----	68.6 -	60.2 --	80.0 -----
SA0042	75.8 -----	77.4 -----	75.6 ----	64.0 ----	81.9 -----
DF19ZM3E1217	78.6 -----	83.3 -----	80.0 -----	68.9 -----	82.8 -----
KWS Damario	76.8 -----	76.7 ----	77.6 -----	68.9 -----	80.8 -----
LG 31230	74.9 -----	78.0 -----	72.2 ---	68.3 -----	79.6 -----
KWS Glasgo	72.4 ----	75.1 ----	71.4 ---	66.8 -----	75.3 -----
Milandro	73.1 ----	75.9 ----	71.2 ---	68.5 -----	78.2 -----
-Bezugsgrösse(n)	75.0 -----	78.6 -----	74.1 ----	65.9 -----	78.5 -----
Versuchs-Mittel	73.9 -----	75.9 ----	73.6 ----	65.9 -----	76.5 -----
VK [%]	4.6	3.3	6.5	5.3	4.1
KGD (5%)	2.1	5.2	ns	5.8	5.1
KGD (1%)	2.8	7.1	ns	7.7	6.9
Versuchs-Streuung	3.4	2.5	4.8	3.5	3.1
FG Fehlerterm	267.0	23.0	23.0	46.0	44.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	2228.9	23	8.57 ***		1.57	0.0000
Anbauorte	7886.6	6	116.24 ***		2.13	0.0000
WW Verf. *Anb.Orte	2551.3	138	1.63 ns		1.27	
Fehler	3019.3	267				
Insgesamt	15686.1	434				

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	77.9 ----	79.1 -----	68.8 -----
KWS Papageno	83.3 -----	80.0 -----	71.5 -----
KWS Odorico	86.5 -----	82.5 -----	73.1 -----
LG 31217	77.9 ----	74.1 --	65.5 ---
Emeleen	78.1 ----	79.9 -----	62.8 -
DKC 3218	80.9 -----	79.8 -----	71.0 -----
Wesley	75.0 ---	74.9 ---	67.8 ----
KXC1012	76.8 ----	73.3 -	68.4 ----
ES Myrdal	78.3 ----	78.6 -----	68.9 ----
SY Cosmos	76.4 ----	72.6 -	68.8 -----
EX3189	78.5 ----	76.9 ----	68.9 ----
MGM444877	78.7 ----	81.2 -----	72.2 -----
KXC2049	76.0 ---	74.6 ---	68.6 ----
KXC2306	77.7 ----	76.0 ----	69.1 ----
KXC2311	73.2 -	76.5 ----	67.4 ----
KXC2312	76.6 ----	76.6 ----	70.3 -----
KXC1054	72.1 -	78.3 -----	67.4 ----
SA0632	78.2 ----	79.6 -----	73.8 -----
SA0042	78.2 ----	81.2 -----	72.4 -----
DF19ZM3E1217	81.7 -----	80.5 -----	73.0 -----
KWS Damario	77.4 ----	81.8 -----	74.4 -----
LG 31230	77.6 ----	77.2 ----	71.7 -----
KWS Glasgo	74.3 --	73.4 -	70.8 -----
Milandro	77.4 ----	72.8 -	67.7 ----
-Bezugsgrösse(n)	80.7 -----	79.9 -----	67.1 ----
Versuchs-Mittel	77.9 ----	77.6 ----	69.8 -----
VK [%]	3.2	4.5	5.1
KGD (5%)	4.1	5.7	5.9
KGD (1%)	5.4	7.7	ns
Versuchs-Streuung	2.5	3.5	3.6
FG Fehlerterm	44.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	6.3 ----	6.7 -----	5.6 ----	5.9 -----	6.3 ----
KWS Papageno	6.5 -----	6.8 -----	6.1 -----	6.2 -----	6.6 -----
KWS Odorico	6.5 -----	6.8 -----	6.3 -----	5.7 -	6.5 -----
LG 31217	6.3 ----	6.4 ----	6.2 -----	5.8 ---	6.0 -
Emeleen	6.4 -----	6.4 ----	5.9 -----	6.2 -----	6.4 ----
DKC 3218	6.3 ----	6.5 -----	5.9 -----	5.9 ----	6.2 ---
Wesley	6.4 -----	6.3 ---	6.4 -----	6.2 -----	6.4 -----
KXC1012	6.4 -----	6.5 -----	6.3 -----	6.1 -----	6.3 ----
ES Myrdal	6.4 -----	6.2 ---	6.7 -----	5.8 ---	6.6 -----
SY Cosmos	6.4 -----	6.7 -----	6.2 -----	5.9 ----	6.5 -----
EX3189	6.3 ----	6.4 ----	6.0 -----	6.0 -----	6.5 -----
MGM444877	6.3 ----	6.2 --	6.1 -----	5.9 ----	6.3 ----
KXC2049	6.4 -----	6.6 -----	5.9 -----	6.1 -----	6.4 -----
KXC2306	6.2 --	6.1 -	6.3 -----	5.7 -	6.4 -----
KXC2311	6.1 -	6.1 -	5.9 -----	5.8 ---	6.1 --
KXC2312	6.3 -----	6.3 ----	6.1 -----	5.8 ----	6.6 -----
KXC1054	6.3 -----	6.3 ----	6.4 -----	5.6 -	6.5 -----
SA0632	6.2 --	6.5 -----	5.3 ---	5.8 ---	6.4 -----
SA0042	6.5 -----	6.5 -----	5.9 -----	6.3 -----	6.7 -----
DF19ZM3E1217	6.1 -	6.4 ----	4.9 -	5.9 ----	6.4 ----
KWS Damario	6.5 -----	6.4 ----	6.1 -----	6.0 -----	6.8 -----
LG 31230	6.4 -----	6.6 -----	6.3 -----	6.1 -----	6.5 -----
KWS Glasgo	6.4 -----	6.6 -----	6.2 -----	5.9 ----	6.6 -----
Milandro	6.4 -----	6.7 -----	6.0 -----	6.2 -----	6.8 -----
-Bezugsgrösse(n)	6.5 -----	6.6 -----	6.0 -----	6.2 -----	6.5 -----
Versuchs-Mittel	6.3 -----	6.4 -----	6.0 -----	5.9 ----	6.5 -----
VK [%]	3.2	3.0	4.0	4.0	3.6
KGD (5%)	0.1	0.4	0.5	0.4	0.4
KGD (1%)	0.2	ns	0.7	ns	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2	0.2
FG Fehlerterm	271.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	5.6	23	6.06 ***		1.57	0.0000
Anbauorte	26.4	6	109.94 ***		2.13	0.0000
WW Verf. *Anb.Orte	14.0	138	2.54 ***		1.27	0.0001
Fehler	10.9	271				
Insgesamt	56.9	438				

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	6.6 ----	6.3 ----	6.6 -----
KWS Papageno	6.9 -----	6.5 -----	6.8 -----
KWS Odorico	6.8 -----	6.5 -----	6.7 -----
LG 31217	6.8 -----	6.5 -----	6.4 ---
Emeleen	6.6 ----	6.6 -----	6.6 -----
DKC 3218	6.7 -----	6.5 -----	6.7 -----
Wesley	6.7 -----	6.5 -----	6.7 -----
KXC1012	6.7 -----	6.4 -----	6.4 --
ES Myrdal	6.6 ----	6.3 ----	6.7 -----
SY Cosmos	6.6 ----	6.4 -----	6.6 -----
EX3189	6.4 ---	6.1 -	6.4 -
MGM444877	6.6 ----	6.3 ----	6.6 -----
KXC2049	6.6 ----	6.6 -----	6.6 -----
KXC2306	6.4 --	6.2 --	6.4 -
KXC2311	6.3 -	6.3 ----	6.5 ---
KXC2312	6.7 -----	6.3 ----	6.5 ----
KXC1054	6.5 ----	6.4 -----	6.4 --
SA0632	6.5 ----	6.2 ---	6.7 -----
SA0042	6.6 ----	6.6 -----	6.7 -----
DF19ZM3E1217	6.4 ---	6.3 ----	6.7 -----
KWS Damaro	6.6 ----	6.6 -----	6.6 -----
LG 31230	6.5 ----	6.4 -----	6.7 -----
KWS Glasgo	6.4 ---	6.3 ----	6.5 ----
Milandro	6.5 ----	6.5 -----	6.5 ----
-Bezugsgrösse(n)	6.7 -----	6.6 -----	6.7 -----
Versuchs-Mittel	6.6 -----	6.4 -----	6.6 -----
VK [%]	2.6	2.3	2.7
KGD (5%)	0.3	0.2	ns
KGD (1%)	0.4	0.3	ns
Versuchs-Streuung	0.2	0.1	0.2
FG Fehlerterm	44.0	46.0	43.0
Anz. Beob.	3.0	3.0	3.0

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten BE	5643 Alikon AG
LG 31207	6.4 ----	6.9 -----	5.5 ----	5.9 ----	6.5 -----
KWS Papageno	6.8 -----	7.1 -----	6.1 -----	6.3 -----	6.9 -----
KWS Odorico	6.6 -----	7.1 -----	6.4 -----	5.6 -	6.7 -----
LG 31217	6.5 ----	6.5 ----	6.4 -----	5.8 --	6.1 -
Emeleen	6.5 -----	6.6 -----	5.9 -----	6.3 -----	6.6 -----
DKC 3218	6.5 ----	6.7 -----	5.9 -----	5.8 ---	6.3 ---
Wesley	6.6 -----	6.4 ---	6.6 -----	6.3 -----	6.6 -----
KXC1012	6.6 -----	6.7 -----	6.5 -----	6.2 -----	6.4 ----
ES Myrdal	6.6 -----	6.4 ---	6.9 -----	5.8 ---	6.9 -----
SY Cosmos	6.6 -----	7.0 -----	6.4 -----	5.9 ----	6.7 -----
EX3189	6.4 ----	6.6 ----	6.1 -----	6.1 -----	6.8 -----
MGM444877	6.4 ----	6.3 --	6.2 -----	5.9 ----	6.5 -----
KXC2049	6.6 -----	6.8 -----	6.0 -----	6.2 -----	6.6 -----
KXC2306	6.3 --	6.2 -	6.4 -----	5.7 -	6.5 -----
KXC2311	6.2 -	6.2 -	6.0 -----	5.8 --	6.2 --
KXC2312	6.5 -----	6.5 ----	6.2 -----	5.9 ----	6.8 -----
KXC1054	6.5 -----	6.5 ----	6.5 -----	5.6 -	6.7 -----
SA0632	6.3 --	6.6 ----	5.2 ---	5.8 --	6.6 -----
SA0042	6.7 -----	6.7 -----	5.9 -----	6.4 -----	7.0 -----
DF19ZM3E1217	6.2 -	6.5 ----	4.7 -	5.9 ----	6.5 -----
KWS Damario	6.6 -----	6.5 ----	6.3 -----	6.1 -----	7.1 -----
LG 31230	6.6 -----	6.8 -----	6.4 -----	6.2 -----	6.7 -----
KWS Glasgo	6.5 -----	6.8 -----	6.3 -----	5.9 ----	6.8 -----
Milandro	6.6 -----	7.0 -----	6.1 -----	6.2 -----	7.1 -----
-Bezugsgrösse(n)	6.6 -----	6.8 -----	6.0 -----	6.3 -----	6.7 -----
Versuchs-Mittel	6.5 -----	6.6 -----	6.1 -----	6.0 -----	6.6 -----
VK [%]	3.9	3.8	5.4	4.9	4.4
KGD (5%)	0.2	0.5	0.7	0.5	0.5
KGD (1%)	0.2	ns	0.9	ns	0.6
Versuchs-Streuung	0.3	0.3	0.3	0.3	0.3
FG Fehlerterm	273.0	23.0	23.0	46.0	46.0
Anz. Beob.	19.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	9.1	23	6.08 ***		1.57	0.0000
Anbauorte	43.0	6	109.60 ***		2.13	0.0000
WW Verf.*Anb.Orte	22.5	138	2.49 ***		1.27	0.0001
Fehler	17.9	273				
Insgesamt	92.5	440				

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31207	6.8 ----	6.5 ----	6.8 ----
KWS Papageno	7.2 -----	6.7 -----	7.1 -----
KWS Odorico	7.1 -----	6.6 -----	7.0 -----
LG 31217	7.1 -----	6.7 -----	6.7 ----
Emeleen	6.8 ----	6.8 -----	6.9 -----
DKC 3218	7.0 -----	6.8 -----	6.9 -----
Wesley	7.0 -----	6.7 -----	6.9 -----
KXC1012	6.9 -----	6.7 -----	6.6 --
ES Myrdal	6.8 ----	6.4 ----	6.9 -----
SY Cosmos	6.9 -----	6.6 -----	6.8 -----
EX3189	6.6 ---	6.2 -	6.5 -
MGM444877	6.8 ----	6.5 ----	6.8 -----
KXC2049	6.8 ----	6.8 -----	6.9 -----
KXC2306	6.5 --	6.3 --	6.5 -
KXC2311	6.4 -	6.4 ----	6.6 ---
KXC2312	6.9 -----	6.5 ----	6.7 -----
KXC1054	6.8 ----	6.6 -----	6.6 --
SA0632	6.7 ----	6.3 --	6.9 -----
SA0042	6.8 ----	6.8 -----	6.9 -----
DF19ZM3E1217	6.7 ----	6.4 ---	6.9 -----
KWS Damarico	6.9 -----	6.9 -----	6.8 -----
LG 31230	6.6 ---	6.6 -----	7.0 -----
KWS Glasgo	6.6 ---	6.5 ----	6.7 -----
Milandro	6.7 ----	6.7 -----	6.7 -----
-Bezugsgrösse(n)	7.0 -----	6.8 -----	7.0 -----
Versuchs-Mittel	6.8 -----	6.6 -----	6.8 -----
VK [%]	3.2	2.9	3.3
KGD (5%)	0.4	0.3	ns
KGD (1%)	0.5	0.4	ns
Versuchs-Streuung	0.2	0.2	0.2
FG Fehlerterm	44.0	46.0	45.0
Anz. Beob.	3.0	3.0	3.0

4.2 Serie mittelfrüh / Série mi-précoce

4.2.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.05.2023	06.09.2023
1567	Delley	479	20.05.2023	04.09.2023
1725	Grangeneuve (Posieux)	654	22.05.2023	22.09.2023
3065	Habstetten	690	19.05.2023	21.09.2023
5643	Alikon	494	30.05.2023	20.09.2023
8046	Reckenholz	440	06.05.2023	06.09.2023
8193	Eglisau	395	22.05.2023	05.09.2023
8566	Ellighausen	503	26.05.2023	12.09.2023

4.2.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
SY Telias	SC1153	SC	Syngenta, CH	Syngenta, Stein	KM11/S	SM11/S
Amaroc	KXB4136	TC	KWS Saat AG,	KWS Suisse SA, Basel		SM11/S
KWS Robertino	KXB6151	SC	KWS Saat AG,	KWS Suisse SA, Basel		SM11/S
LG 31245	LZM 267/55	SC	Limagrain, Europe	Fenaco, Moudon		SM11/S
LG 31272	LZM 267/54	SC	Limagrain, Europe	Fenaco, Moudon	KM21/S	SM11/S
P8086	X80R603	SC	Pioneer	Pioneer, Versoix		SM11/S
KWS Milandro	KXC0326	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/S
ES Traveler	ESZ9207	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM11/S
Meluseen	LZM170/47	SC	Limagrain, Europe	Fenaco, Moudon		SM11/e2
Angeleen	LZM271/45	TC	Limagrain, Europe	Fenaco, Moudon		SM11/e2
KWS Adorado	KXC0018	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	SM11/e2
Qualito	KXC0313	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	SM11/e2
Fieldplayer	ESZ9103	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM11/e2
(SY Opale)	SA1641	SC	Syngenta, CH	Syngenta, Stein	KM11/e2	SM11/e2
	EW3414	SC	Monsanto, USA	Bayer CropScience		SM11/e2
(Pilgrim)	GL187009	SC	SZG, Gleisdorf	Eric Schweizer AG, Thun	KM11/e2	SM11/e2
	LZM272/30	SC	Limagrain, Europe	Fenaco, Moudon		SM11/e1
	EX3428	SC	Monsanto, USA	Bayer CropScience		SM11/e1
	RH22008	SC	RAGT 2n, F	Fenaco, Moudon		SM11/e1
P8317	1082A195-	SC	Pioneer	Pioneer, Versoix		SM11/e1
	1082B210-	SC	Pioneer	Pioneer, Versoix		SM11/e1
	1092B839-	SC	Pioneer	Pioneer, Versoix		SM11/e1
P8902	1090A299-	SC	Pioneer	Pioneer, Versoix	KM21/e1	SM11/e1
	KXC1323	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e1
	KXC2321	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e1
	KXC3123	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/1.	SM11/1.
	KXC2122	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e1
	SA1162	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
	SB1422	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
Benedictio KWS	KXB4138	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM11/T
Micheleen	LZM168/67	SC	Limagrain, Europe	Schweizer AG, Thun / Hauenstein, Rafz		SM11/T
LG 32257	LZM270/58	SC	Limagrain, Europe	Fenaco, Moudon	KM11/T	SM11/T
KWS Chiasso	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM11/T
KWS Gedeo	KXC1315	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/T
KWS Editio	KXC0337	SC	KWS, Einbeck	KWS Suisse SA, Basel		FS
KWS Odorico	KXB7303	TC	KWS, Einbeck	KWS Suisse SA, Basel		FS

4.2.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Technische Versuchsausgaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Delley (500 m ü.M.)	Grangeneuve (654 m ü.M.)	Habsstetten (620 m ü.M.)	Alikon (494 m ü.M.)	Zürich-Altstetten (440 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503 m ü.M.)	
Bodenart / type de sol / soil type:	Limono sableux	Moyen: 15-20 % argile, pH 7.2	Moyen	Sandiger Lehm, pH 5.5	Schwach humoser Schlufflehm	Braunerde	Braunerde	Braunerde	
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfall (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden/ somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):	208 mm (Météostation Changins) 1674 °C (Météostation Changins) Irrigation: 03.06.2023: 30 mm 11.07.2023: 30 mm	1726 mm (selon Agrométéo, station Delley) 1556 °C (selon Agrométéo, station Delley, seuil 6°C)	349 mm (météo Suisse Posieux) 1617 °C (météo Suisse Posieux) station Zäckwil)	396 mm (selon Agro Météo station Zäckwil) 1695 °C (selon Agro Météo station Zäckwil)	225.7 mm (Station: Hohentrain) 1601 °C (Station: Hohentrain)	393.8 mm (Météostation Reckenholz) 1619.95 °C (Météostation Reckenholz)	333.8 mm (Météostation Steinmaur) 1483.2 °C (Météostation Steinmaur)	296.7 mm (Météostation Ellighausen) 1502.3 °C (Météostation Ellighausen)	
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés répartis / randomized block design with 3 replications. Parzellengröße / grandeur d'une parcelle / plot size:	17 m ² per single plot (brut, avec chemins d'environ 1.1 m), 14.4 m ² net, 4 rangs Récolte: 8.5 m ² per single plot (brut, avec chemins), 7.2 m ² net, 2 rangs au milieu	Semé: 17 m ² per single plot (brut, avec chemins d'environ 1.1 m), 14.4 m ² net, 4 rangs Récolte: 8.5 m ² per single plot (brut, avec chemins), 7.2 m ² net, 2 rangs au milieu	4reihig, mit 1,33m Weg (20 m ² brutto), 10 m ² netto	4reihig, mit 1,33m Weg (20 m ² brutto), 10 m ² netto	15 m ² pro Parzelle brutto (4reihig, mit 0.8m Weg), 6.3 m ² netto	15 m ² pro Parzelle brutto (4reihig, mit 0.8m Weg), 6.3 m ² netto	15 m ² pro Parzelle brutto (4reihig, mit 0.8m Weg), 6.3 m ² netto	15 m ² pro Parzelle brutto (4reihig, mit 0.8m Weg), 6.3 m ² netto	
Vorfrucht / précédent cultural / previous crop:	blé autonome + Engrais vert	Soja, Phacélie	Prairie temporaire / Kunstwiese / temporary grassland	Gerste / orge	Raps / Gründüngung (UFA Lepha)	Prairie temporaire / Kunstwiese / temporary grassland	Zuckerrüben / sugar beet	Wintergerste / Gründüngung UFA Lepha	
Bodenbearbeitung / travail du sol / soil cultivation:	cultivateur pattes d'oie 02.03.2023 vibroculteur 23.03.2023 Herse rotative 05.05.2023	06.04.2023: Labour 19.05.2023: Herse rotative	Labouré le 05.05.2023. Préparation pour semis, herse rotative 06.05.2023	Pflug und Kreisellegge / charrue et herse rotative / plough and rotary harrow 24.04 et 18.05.2023	Streifenfräsasat	28.02.23 Pflug, 06.05.23 Kreisellegge	20.05.23 Pflug, 11.05.23 Kreisellegge	05.04.23 Pflug, 11.05.23 Kreisellegge	
Saat / date de semis / sowing date:	04.05.2023 (jour 124)	20.05.2023 (jour 140)	22.05.2023 (jour 142)	19.05.2023 (jour 139)	30.05.2023	06.05.2023	22.05.2023	26.05.2023	
Ernte / date de récolte / harvest date:	SM11 : 06.09.2023 (jour 249)	04.09.2023 (jour 247)	22.09.2023 (jour 265)	21.09.2023 SM 11 (jour 264)	19.09.2023	06.09.2023	05.09.2023	12.09.2023	
Saatdichte / densité de semis / sowing density:	10.0 Körner / grains pro m ²	Semis: 11.9 grains pro m ² , éclairci à 10 plantes/m ²	10 Körner / grains pro m ²	10.0 Körner / grains pro m ²	11 Körner / grains pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	
Vegetationsdauer / durée de végétation / growing period	125 Tage / jours / days	107 Tage / jours / days	123 Tage / jours / days	125 Tage / jours / days	112 Tage / jours / days	123 Tage / jours / days	106 Tage / jours / days	109 Tage / jours / days	
Reihenabstand / inter/lines / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	-	1.6.06.23 hacken gekoppelt mit Düngung	-	-	
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	30.05.2023: Stomp Aqua 2 l/ha Banvel 0.5 l/ha Monsoon 2 l/ha	21.05.2023: Basagran SG (0.5 kg/ha) + Spectrum Gold (2 L/ha)	09.06.2023, Equip Power: 1.55 l/ha	06.06.2023 Callisto 1.1 l / ha Equip Power 1.2 l / ha	12.6.23 Equip Power 1.3l/ha + Spectrum 1.2l/ha	22.05.23 Equip 0.5l/ha + Spectrum 0.7l/ha + Miesostar 0.5l/ha + Stomp Aqua 1.4l/ha	03.06.23 Pendimethalin SA 400 2.3l/ha + Spectrum 1.4l/ha + Laudis 1.5l/ha	08.06.23 Aspekt 1.5l/ha + Laudis 2l/ha	
Gründüngung / fumure de base / basic fertilisation:	08.08.2022: 40 m ³ Liser bovins 5-10-20 : 20 kg N 40 kg P2O5 80 kg K2O	03.02.2023: Landor 0.20-30 (427 kg/ha, 0 U/ha N, 85 U/ha P2O5, 129 U/ha K2O)	Printemps: 40m ³ liser bovins 22.04.23: Graniphos 17 %: 300 kg/ha + 51 kg P/ha, Kall 60 %: 150 kg/ha + 90 kg K/ha	20.06.23: Uree 46%, 245kg/ha : 112 kg N	31.05.23 Schweingülle verflüssigt 85m ³ ha + 09.06.23 Schweingülle verflüssigt 70m ³ ha	22.02.23 Kompost 50t/ha (37-153-43m ³ ha (78-73kg N-P/ha)	12.05.23 Laustallmist Rindvieh 43m ³ ha (78-73kg N-P/ha)	02.04.23 Rindergülle 1:2.30m ³ ha (64.5kg N/ha)	
N-Düngung / fumure N / N fertilisation:	02.05.2023 : 280 l/ha N liquide 30.0.0.0 : 109 N	04.05.2023: Sulfamid 30.0.0 (559 kg/ha, 166 U/ha N, 0 U/ha P2O5, 0 U/ha K2O ; 17 U/ha Hg)	20.06.23: Uree 46%, 245kg/ha : 112 kg N	23.05.23 : 50 kg N/ha (Harnstoff 46%) : 19.06.23: 53 kg N/ha (Harnstoff 46%) = 66.3 N/ha	22.06.23 Harnstoff 46% N 290kg/ha (133kg N/ha)	23.05.23 Mg-Ammonsalpeter 24%N Harnstoff 46% N/ha	20.05.23 Harnstoff 46% 167kg/ha (77 kg N/ha)	10.06.23 Harnstoff 120kg/ha (54kg N/ha), 10.06.23 Harnstoff 100kg (46kg N/ha)	
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-	-	
Ernte / Récolte / harvest:	Baural Maishäcksel / ensilage expérimentale	Versuchsmaishäcksel / Ensilage expérimentale	Baural Maishäcksel / ensilage expérimentale	Baural Maishäcksel / ensilage expérimentale	Baural Maishäcksel / ensilage expérimentale	-	-	-	New Holland Versuchsmaishäcksel / ensilage expérimentale

4.2.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend-		Wurzellag.		Stängelbr.	Beulen-	Oekon.	Agron.	Gesamt-
					entwi.	Veg.	Ernte	brand					
KXC2321	e1	-1.61	11.28	-1.21	0.31	-0.67			-0.34	9.67	-1.91	7.76	
Fieldplayer	e2	-1.53	6.80	2.69	0.30	-1.37			-0.03	5.27	1.59	6.86	
KWS Chiasso	T	3.01	0.11	2.96	0.15	-0.54			0.09	3.12	2.66	5.78	
KWS Adorado	e2	-2.51	4.92	2.10	0.35	-0.46			0.01	2.41	2.00	4.41	
SB1422	e1	-0.41	4.04	-0.21	0.46	0.35			0.03	3.63	0.63	4.26	
Angeleen	e2	-2.75	5.48	0.15	0.37	-0.06			0.08	2.73	0.54	3.27	
P8317	e1	-2.97	8.29	-2.24	-0.13	0.38			-0.21	5.32	-2.20	3.12	
SA1641 (SY Opale)	e2	-1.19	4.66	-1.40	0.22	0.83			-0.02	3.47	-0.37	3.10	
Benedictio KWS	T	2.44	0.57	0.15	0.01	-0.30			0.04	3.01	-0.10	2.91	
KXC3123	1.	-3.74	2.49	3.15	0.11	0.73			-0.01	-1.25	3.98	2.73	
SA1162	e1	-3.44	2.25	1.56	0.16	0.80			0.09	-1.19	2.61	1.42	
KWS Editio	FS	3.02	0.79	-3.01	0.06	0.36			-0.17	3.81	-2.76	1.05	
P8086	S	-4.36	4.11	1.28	-0.08	-0.57			0.09	-0.25	0.72	0.47	
EX3428	e1	-2.97	3.40	-0.08	0.24	-0.62			0.03	0.43	-0.43	0.00	
KWS Odorico	FS	3.33	-4.50	0.52	0.48	0.08			-0.03	-1.17	1.05	-0.12	
1082B210-01	e1	-7.20	8.63	-1.80	-0.12	0.01			0.09	1.43	-1.82	-0.39	
SY Tellas	S	4.36	-4.11	-1.28	0.08	0.57			-0.09	0.25	-0.72	-0.47	
LG 32257	T	-2.27	1.14	-0.06	0.40	0.21			0.09	-1.13	0.64	-0.49	
Milandro	S	-1.80	-0.89	1.78	0.02	0.08			-0.05	-2.69	1.83	-0.86	
Qualito	e2	-3.55	3.89	-1.78	0.01	0.53			-0.23	0.34	-1.47	-1.13	
KWS Gedeo	T	0.40	-1.04	-0.74	0.13	0.19			-0.21	-0.64	-0.63	-1.27	
LZM272/30	e1	-7.96	3.79	1.74	0.46	0.41			0.05	-4.17	2.66	-1.51	
LG 31245	S	-5.35	4.55	-0.55	0.29	-0.84			-0.03	-0.80	-1.13	-1.93	
LG 31272	S	-2.42	0.96	-2.36	0.40	0.27			0.05	-1.46	-1.64	-3.10	
ES Traveler	S	-4.30	3.06	-3.48	0.42	0.93			0.02	-1.24	-2.11	-3.35	
Meluseen	e2	1.16	-5.13	-0.53	0.36	0.67			0.11	-3.97	0.61	-3.35	
KXC2122	e1	-9.81	4.30	-0.60	0.16	0.73			0.11	-5.51	0.40	-5.11	
GL187009 (Pilgrim)	e2	-4.02	4.03	-5.14	0.25	-0.40			0.10	0.00	-5.20	-5.20	
KWS Robertino	S	-4.26	-1.35	-0.81	-0.17	-0.19			-0.02	-5.61	-1.18	-6.79	
P8902	e1	-5.30	3.62	-6.06	-0.08	0.99			0.03	-1.69	-5.11	-6.80	
KXC1323	e1	-9.28	5.33	-3.31	-0.11	0.44			-0.05	-3.96	-3.02	-6.98	
Amaroc	S	-9.53	0.33	0.61	0.27	-0.79			0.02	-9.20	0.11	-9.09	
EW3414	e2	-9.89	1.48	-1.29	0.33	-0.15			-0.03	-8.41	-1.14	-9.55	
Micheleen	T	-8.04	-1.60	-1.64	0.14	0.04			-0.05	-9.64	-1.50	-11.14	
1092B839-01	e1	-6.37	2.44	-7.98	-0.36	0.74			-0.03	-3.93	-7.62	-11.55	
RH22008	e1	-13.75	3.39	-1.94	0.32	-2.61			0.07	-10.36	-4.16	-14.52	
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	
Anz. Beob.		22	22	22	22	8			13				
Anz. Orte		8	8	8	8	3			5				
Gewichtung		0.40	0.50	1.25	0.50	0.25			0.75				

4.2.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Green snapping %	Wurzel- lager Veg. %	Beulen- brand %	Mais- zünsler %
SY Telias	4.3	63.9	62.7	243.2	105.8	43.7	0.2	10.6	1.3	0.0
Amaroc	3.9	64.5	63.0	286.3	132.0	46.2	6.1	25.1	0.5	0.0
KWS Robertino	4.8	62.9	63.7	273.1	118.6	43.4	4.1	18.6	0.8	0.0
LG 31245	3.8	62.6	61.8	285.7	130.6	45.7	1.8	25.6	0.9	0.0
LG 31272	3.6	63.6	62.6	278.4	137.6	49.5	13.3	13.7	0.4	0.0
P8086	4.6	63.7	62.7	275.1	115.3	41.9	0.4	22.7	0.1	0.0
Milandro	4.4	61.7	61.3	265.0	116.1	43.8	1.8	15.7	1.0	0.0
ES Traveler	3.6	62.0	61.4	282.2	124.6	44.4	6.7	6.7	0.6	0.0
Meluseen	3.7	61.9	61.2	268.1	115.7	43.1	16.4	9.4	0.0	0.0
Angeleen	3.7	64.1	63.0	282.6	129.8	46.0	0.7	17.3	0.2	0.0
KWS Adorado	3.7	63.0	61.6	279.1	121.7	43.5	4.7	21.5	0.7	0.0
Qualito	4.4	64.4	62.7	277.6	121.5	43.8	2.2	11.0	2.2	0.5
Fieldplayer	3.8	63.2	62.2	286.3	116.3	40.6	1.2	31.2	0.9	0.0
SA1641 (SY Opale)	4.0	64.1	62.8	268.7	111.9	41.8	0.4	7.8	0.9	0.0
EW3414	3.8	63.9	62.5	288.2	124.8	43.4	13.1	18.2	0.9	0.0
GL187009 (Pilgrim)	3.9	64.9	64.1	271.0	126.7	46.7	0.9	20.9	0.1	0.0
LZM272/30	3.5	62.1	60.5	266.7	132.2	49.6	14.1	12.2	0.4	0.5
EX3428	3.9	64.0	63.5	277.3	124.0	44.8	1.0	23.2	0.5	0.0
RH22008	3.8	63.9	62.7	288.2	128.4	44.6	10.2	44.5	0.2	0.0
P8317	4.7	64.1	63.5	276.2	128.3	46.6	0.9	12.6	2.1	0.0
1082B210-01	4.6	64.4	63.0	294.4	137.2	46.7	4.6	16.5	0.1	0.0
1092B839-01	5.1	69.5	68.5	266.7	132.1	49.6	0.5	8.7	0.9	0.0
P8902	4.6	67.0	66.5	273.2	135.1	49.4	0.0	6.0	0.5	0.0
KXC1323	4.6	65.4	63.9	286.5	136.6	47.8	3.5	11.9	1.0	0.0
KXC2321	3.8	64.0	63.0	286.9	127.9	44.7	2.5	23.7	2.9	0.0
KXC3123	4.2	61.9	61.0	268.1	115.3	43.0	3.1	8.9	0.8	0.0
KXC2122	4.1	64.7	64.2	273.0	119.7	43.9	5.6	8.8	0.0	0.0
SA1162	4.1	64.3	62.4	271.8	119.6	44.2	1.4	8.0	0.1	0.0
SB1422	3.5	61.6	60.1	256.4	118.2	46.2	0.0	12.9	0.5	0.0
Benedictio KWS	4.4	63.7	63.0	267.9	123.6	46.1	4.8	19.8	0.5	0.0
Micheleen	4.1	62.7	61.9	289.9	127.9	44.2	5.5	16.1	1.0	0.0
LG 32257	3.6	62.6	61.7	270.7	111.3	41.3	1.8	14.3	0.1	0.0
KWS Chiasso	4.1	61.6	60.3	254.0	113.5	44.7	1.1	22.3	0.1	0.0
KWS Gedeo	4.1	62.9	62.1	273.9	119.0	43.4	3.1	14.6	2.1	0.0
KWS Editio	4.3	63.8	62.5	269.5	119.3	44.4	2.1	12.7	1.8	0.0
KWS Odorico	3.5	61.4	60.3	264.3	117.3	44.4	5.0	15.8	0.9	0.0
Bezugsgrösse(n)	4.4	63.8	62.7	259.2	110.5	42.8	0.3	16.6	0.7	0.0
Versuchs-Mittel	4.1	63.6	62.6	274.6	123.2	44.9	4.0	16.4	0.8	0.0
VK [%]	15.8	2.3	2.8	3.9	7.6	7.0	149.2	85.1	144.8	740.1
KGD (5%)	0.4	1.1	1.4	8.3	7.2	2.4	5.9	13.8	0.9	
KGD (1%)	0.5	1.5	1.8	10.9	9.5	3.2	7.8	18.2	1.1	
Versuchs-Streuung	0.6	1.5	1.8	10.7	9.3	3.2	6.0	13.9	1.1	0.2
FG Fehlerterm	479.0	278.0	278.0	278.0	277.0	277.0	173.0	173.0	278.0	70.0
Anz. Beob.	22.0	13.0	13.0	13.0	13.0	13.0	8.0	8.0	13.0	3.0
Anz. Orte	8.0	5.0	5.0	5.0	5.0	5.0	3.0	3.0	5.0	1.0
Minimum	3.5	61.4	60.1	243.2	105.8	40.6	0.0	6.0	0.0	0.0
Maximum	5.1	69.5	68.5	294.4	137.6	49.6	16.4	44.5	2.9	0.5

Sorten Bezeichnung	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS
SY Telias	8.5	531.3	202.3	38.0	144.6	80.1	717.2	392.1	183.7
Amaroc	8.5	546.7	211.2	39.5	143.9	73.3	682.4	348.5	203.6
KWS Robertino	8.6	548.0	207.8	38.4	144.2	74.2	695.6	356.7	195.5
LG 31245	8.4	577.7	219.6	38.6	151.8	77.8	692.9	355.1	201.3
LG 31272	8.4	581.3	212.4	37.1	148.4	77.8	700.2	366.7	195.4
P8086	8.4	550.0	218.7	40.1	151.9	74.7	695.4	342.0	201.8
Milandro	8.6	520.7	208.7	40.5	145.8	76.0	701.8	366.2	193.4
ES Traveler	8.5	603.0	216.6	36.2	150.1	77.3	695.5	359.1	202.8
Meluseen	8.6	522.3	200.2	38.6	141.2	73.2	709.2	369.2	193.7
Angeleen	8.4	569.8	221.5	39.1	153.9	79.9	699.4	361.6	200.1
KWS Adorado	8.6	547.7	220.3	40.7	153.9	82.0	700.0	373.4	191.7
Qualito	8.7	587.8	218.3	37.6	151.8	79.9	697.4	367.0	193.9
Fieldplayer	8.5	547.7	224.1	41.2	156.8	81.4	702.4	365.0	194.8
SA1641 (SY Opale)	8.8	586.9	219.8	37.9	154.2	78.3	703.3	357.8	198.0
EW3414	8.7	567.8	213.5	38.0	145.0	72.3	681.6	338.8	213.8
GL187009 (Pilgrim)	8.7	630.9	218.6	34.9	152.0	79.7	696.2	362.6	200.4
LZM272/30	8.7	546.8	218.1	40.4	148.3	72.2	686.4	335.9	210.6
EX3428	8.7	561.5	217.3	39.0	151.2	74.6	698.8	344.6	199.2
RH22008	8.2	585.6	217.3	37.5	145.6	75.3	671.9	346.4	212.0
P8317	8.1	612.1	227.1	37.2	158.4	78.9	698.9	347.4	198.2
1082B210-01	8.6	614.2	227.8	37.6	156.4	78.6	688.3	346.0	203.9
1092B839-01	8.7	666.7	215.4	32.6	148.6	78.0	690.4	359.2	197.1
P8902	8.6	641.1	217.7	34.2	150.7	77.4	693.0	354.4	196.6
KXC1323	8.8	614.8	221.2	36.4	151.1	78.2	683.1	352.9	203.6
KXC2321	8.9	624.5	233.1	38.1	163.7	86.1	702.2	369.0	193.3
KXC3123	8.6	526.7	215.5	41.6	150.1	80.5	696.9	374.0	192.6
KXC2122	8.8	575.9	219.1	38.5	149.1	77.4	681.7	354.3	202.8
SA1162	8.6	541.1	215.0	40.3	149.6	77.3	697.7	361.1	198.7
SB1422	8.7	568.6	218.6	38.9	153.7	78.5	705.2	361.3	189.4
Benedictio KWS	8.7	546.8	211.6	39.1	150.3	78.1	712.4	371.8	184.9
Micheleen	8.2	558.3	207.3	37.7	142.1	71.0	686.2	339.7	205.9
LG 32257	8.6	553.4	212.8	39.0	148.3	78.0	700.6	369.7	196.3
KWS Chiasso	8.9	516.8	210.7	41.4	150.0	80.1	713.8	381.7	181.6
KWS Gedeo	8.8	551.5	208.4	38.4	147.2	76.4	707.3	367.0	188.7
KWS Editio	8.8	586.0	212.1	36.6	150.9	82.1	713.8	388.8	185.4
KWS Odorico	8.5	519.7	201.5	39.4	143.5	77.1	714.6	386.5	181.6
Bezugsgrösse(n)	8.5	540.6	210.5	39.0	148.2	77.4	706.3	367.1	192.8
Versuchs-Mittel	8.6	570.3	215.6	38.3	150.0	77.6	697.6	360.9	196.8
VK [%]	6.8	7.3	6.9	4.9	7.8	11.1	2.8	7.5	6.9
KGD (5%)	0.3	24.8	8.8	1.1	7.0	5.1	11.4	16.0	8.1
KGD (1%)	0.5	32.6	11.5	1.5	9.2	6.7	15.0	21.1	10.6
Versuchs-Streuung	0.6	41.8	14.8	1.9	11.7	8.6	19.3	27.1	13.6
FG Fehlerterm	487.0	486.0	486.0	487.0	486.0	486.0	487.0	487.0	487.0
Anz. Beob.	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
Anz. Orte	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Minimum	8.1	516.8	200.2	32.6	141.2	71.0	671.9	335.9	181.6
Maximum	8.9	666.7	233.1	41.6	163.7	86.1	717.2	392.1	213.8

Sorten Bezeichnung	NDF Gehalt NIR g/kg TS	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS
SY Telias	400.2	225.0	23.5	73.7	6.6	6.8
Amaroc	442.8	250.2	27.7	67.4	6.2	6.3
KWS Robertino	427.0	239.3	27.2	74.4	6.3	6.5
LG 31245	435.3	246.5	25.6	69.5	6.3	6.4
LG 31272	429.4	240.5	24.5	68.0	6.4	6.5
P8086	442.3	249.7	25.8	69.4	6.3	6.5
Milandro	425.7	237.7	25.3	68.4	6.4	6.5
ES Traveler	429.1	247.2	26.9	71.2	6.3	6.5
Meluseen	422.7	238.7	23.3	66.3	6.5	6.7
Angeleen	433.9	245.8	24.4	68.7	6.3	6.5
KWS Adorado	422.4	235.6	25.7	70.8	6.4	6.5
Qualito	425.0	237.2	25.3	70.0	6.3	6.5
Fieldplayer	418.3	237.5	24.1	72.3	6.4	6.6
SA1641 (SY Opale)	432.0	244.4	23.7	69.4	6.4	6.6
EW3414	458.6	264.6	25.7	64.1	6.2	6.3
GL187009 (Pilgrim)	425.8	247.0	25.2	70.3	6.3	6.5
LZM272/30	457.2	264.9	24.4	65.7	6.4	6.5
EX3428	442.4	248.8	23.8	71.4	6.4	6.5
RH22008	464.8	262.6	28.5	69.4	6.1	6.1
P8317	435.9	245.4	26.7	69.3	6.3	6.5
1082B210-01	445.1	252.6	27.1	69.0	6.2	6.4
1092B839-01	436.0	244.0	28.2	71.2	6.3	6.4
P8902	434.9	244.1	27.5	71.7	6.3	6.4
KXC1323	436.8	248.7	28.1	71.9	6.2	6.3
KXC2321	424.2	237.7	24.8	69.9	6.4	6.6
KXC3123	426.9	239.0	26.5	69.5	6.3	6.5
KXC2122	441.8	250.4	27.4	70.2	6.2	6.3
SA1162	444.9	249.6	24.0	64.6	6.3	6.5
SB1422	431.7	241.4	24.1	72.2	6.4	6.6
Benedictio KWS	411.7	229.7	25.0	71.4	6.5	6.7
Micheleen	442.2	257.0	27.5	70.0	6.2	6.3
LG 32257	428.9	244.1	24.5	68.7	6.4	6.5
KWS Chiasso	404.6	225.1	24.2	71.9	6.5	6.7
KWS Gedeo	417.1	233.0	24.7	71.8	6.4	6.6
KWS Editio	407.3	228.7	24.4	71.1	6.5	6.7
KWS Odorico	405.7	224.5	24.0	73.0	6.5	6.7
Bezugsgrösse(n)	421.2	237.3	24.6	71.6	6.4	6.6
Versuchs-Mittel	430.8	243.3	25.5	69.9	6.3	6.5
VK [%]	5.5	7.4	7.4	4.9	3.4	4.2
KGD (5%)	14.0	10.6	1.1	2.0	0.1	0.2
KGD (1%)	18.5	14.0	1.5	2.7	0.2	0.2
Versuchs-Streuung	23.7	17.9	1.9	3.4	0.2	0.3
FG Fehlerterm	487.0	487.0	487.0	487.0	487.0	487.0
Anz. Beob.	22.0	22.0	22.0	22.0	22.0	22.0
Anz. Orte	8.0	8.0	8.0	8.0	8.0	8.0
Minimum	400.2	224.5	23.3	64.1	6.1	6.1
Maximum	464.8	264.9	28.5	74.4	6.6	6.8

4.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	4.3 ----	5.5 -----	3.5 ----	5.0 -----	6.0 ----
Amaroc	3.9 ---	4.5 ---	3.3 ---	4.5 ---	5.7 ---
KWS Robertino	4.8 -----	5.0 -----	4.0 -----	6.0 -----	6.3 -----
LG 31245	3.8 ---	4.5 ---	3.3 ---	4.5 ---	5.7 ---
LG 31272	3.6 -	4.5 ---	2.7 -	4.0 -	6.0 -----
P8086	4.6 -----	5.5 -----	4.0 -----	5.0 -----	6.3 -----
Milandro	4.4 -----	5.5 -----	3.5 ----	5.0 -----	5.7 ---
ES Traveler	3.6 -	4.5 ---	3.3 ---	4.0 -	6.0 -----
Meluseen	3.7 --	4.0 -	3.5 ----	4.0 -	5.7 ---
Angeleen	3.7 --	4.5 ---	3.0 --	4.5 ---	5.3 -
KWS Adorado	3.7 --	5.5 -----	3.3 ---	4.5 ---	5.3 -
Qualito	4.4 -----	6.0 -----	3.7 ----	5.5 -----	6.0 -----
Fieldplayer	3.8 ---	5.5 -----	3.5 ----	4.5 ---	5.7 ---
SA1641 (SY Opale)	4.0 ----	5.0 -----	3.7 ----	4.5 ---	5.7 ---
EW3414	3.8 --	4.0 -	3.3 ---	4.0 -	5.7 ---
GL187009 (Pilgrim)	3.9 ---	4.5 ---	3.3 ---	4.5 ---	6.0 -----
LZM272/30	3.5 -	4.0 -	3.3 ---	4.0 -	5.3 -
EX3428	3.9 ---	5.0 -----	3.7 ----	4.5 ---	6.0 -----
RH22008	3.8 --	5.0 -----	3.7 ----	4.5 ---	5.3 -
P8317	4.7 -----	5.5 -----	4.5 -----	5.0 -----	6.3 -----
1082B210-01	4.6 -----	6.0 -----	4.7 -----	5.5 -----	6.0 -----
1092B839-01	5.1 -----	6.0 -----	5.0 -----	6.0 -----	7.0 -----
P8902	4.6 -----	5.5 -----	4.0 -----	6.0 -----	6.7 -----
KXC1323	4.6 -----	6.0 -----	3.7 ----	6.0 -----	6.3 -----
KXC2321	3.8 ---	5.0 -----	2.7 -	5.0 -----	5.3 -
KXC3123	4.2 ----	5.0 -----	3.3 ---	5.5 -----	6.0 -----
KXC2122	4.1 ----	5.0 -----	3.3 ---	5.0 -----	6.0 -----
SA1162	4.1 ----	5.0 -----	4.0 -----	5.0 -----	6.0 -----
SB1422	3.5 -	4.0 -	3.0 --	4.0 -	5.7 ---
Benedictio KWS	4.4 -----	5.5 -----	4.0 -----	5.0 -----	6.3 -----
Micheleen	4.1 -----	4.5 ---	4.5 -----	4.0 -	6.0 -----
LG 32257	3.6 -	4.5 ---	3.0 --	4.0 -	5.7 ---
KWS Chiasso	4.1 -----	6.0 -----	3.0 --	4.5 ---	6.3 -----
KWS Gedeo	4.1 -----	5.0 -----	3.0 --	5.5 -----	6.7 -----
KWS Editio	4.3 -----	5.5 -----	4.0 -----	4.5 ---	6.3 -----
KWS Odorico	3.5 -	4.0 -	2.7 -	4.0 -	5.7 ---
-Bezugsgrösse(n)	4.4 -----	5.5 -----	3.8 -----	5.0 -----	6.2 -----
Versuchs-Mittel	4.1 ----	5.0 -----	3.6 ----	4.8 ----	5.9 ----
VK [%]	15.8	12.7	19.6	10.1	9.7
KGD (5%)	0.4	1.3	1.1	1.0	ns
KGD (1%)	0.5	ns	ns	1.3	ns
Versuchs-Streuung	0.6	0.6	0.7	0.5	0.6
FG Fehlerterm	479.0	35.0	61.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	134.2	35	9.31 ***	1.45	0.0000
Anbauorte	796.8	7	276.39 ***	2.03	0.0000
WW Verf.*Anb.Orte	108.1	245	1.07 ns	1.20	
Fehler	197.3	479			
Insgesamt	1236.3	766			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	3.7 -----	3.0 -----	3.0 -----	4.3 -----
Amaroc	3.7 -----	2.7 ----	3.0 -----	3.7 -----
KWS Robertino	4.0 -----	4.0 -----	4.0 -----	4.7 -----
LG 31245	4.0 -----	3.0 ----	2.7 ---	3.0 --
LG 31272	3.0 --	2.3 ---	2.7 ----	3.7 -----
P8086	4.0 -----	3.3 -----	4.0 -----	4.3 -----
Milandro	4.0 -----	3.3 -----	3.3 -----	4.7 -----
ES Traveler	3.7 -----	1.7 -	3.0 -----	2.3 -
Meluseen	3.0 --	2.7 ----	2.7 ---	4.0 -----
Angeleen	3.3 ----	2.3 ---	2.7 ----	3.7 -----
KWS Adorado	3.3 ----	2.7 ----	2.0 -	3.0 ---
Qualito	4.0 -----	3.3 -----	2.3 --	4.3 -----
Fieldplayer	3.3 ----	2.3 ---	2.7 ----	3.0 ---
SA1641 (SY Opale)	3.3 ----	3.3 -----	2.7 ----	3.7 -----
EW3414	3.0 --	3.3 -----	3.0 -----	3.7 -----
GL187009 (Pilgrim)	4.0 -----	3.0 -----	2.7 ----	3.3 ----
LZM272/30	3.3 ----	2.0 --	3.0 -----	3.0 ---
EX3428	4.0 -----	3.0 -----	2.7 ----	2.7 --
RH22008	3.3 ----	2.7 ----	2.3 --	3.3 ----
P8317	4.7 -----	3.3 -----	3.7 -----	4.3 -----
1082B210-01	3.3 ----	4.0 -----	3.3 -----	4.3 -----
1092B839-01	4.3 -----	4.0 -----	4.0 -----	4.7 -----
P8902	3.3 ----	3.7 -----	3.3 -----	4.0 -----
KXC1323	4.3 -----	3.0 -----	3.7 -----	4.0 -----
KXC2321	3.7 -----	2.7 ----	2.3 --	3.7 -----
KXC3123	4.3 -----	3.3 -----	2.7 ----	3.3 ----
KXC2122	3.7 -----	2.7 ----	3.0 -----	4.0 -----
SA1162	3.0 --	2.0 --	3.3 -----	4.3 -----
SB1422	2.7 -	2.7 ----	2.7 ----	3.3 ----
Benedictio KWS	3.3 ----	3.0 -----	3.7 -----	4.3 -----
Micheleen	3.7 -----	2.7 ----	3.7 -----	4.0 -----
LG 32257	3.3 ----	2.0 --	2.7 ----	3.7 -----
KWS Chiasso	4.7 -----	3.0 -----	2.3 --	3.0 ---
KWS Gedeo	4.0 -----	2.7 ----	2.7 ----	3.7 -----
KWS Editio	3.7 -----	3.0 -----	3.3 -----	4.0 -----
KWS Odorico	2.7 -	2.0 --	2.7 ----	4.0 -----
-Bezugsgrösse(n)	3.8 -----	3.2 -----	3.5 -----	4.3 -----
Versuchs-Mittel	3.6 ----	2.9 ----	3.0 -----	3.8 -----
VK [%]	15.2	15.1	24.5	22.6
KGD (5%)	0.9	0.7	ns	ns
KGD (1%)	1.2	0.9	ns	ns
Versuchs-Streuung	0.6	0.4	0.7	0.8
FG Fehlerterm	70.0	70.0	70.0	70.0
Anz. Beob.	3.0	3.0	3.0	3.0

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	63.9 ----	68.5 ----	59.5 ---	66.7 ----	66.0 ---
Amaroc	64.5 ----	67.5 ----	60.5 ----	68.3 ----	67.0 ----
KWS Robertino	62.9 --	67.5 ----	59.5 ---	67.3 ----	65.7 ---
LG 31245	62.6 --	67.0 ----	58.5 --	66.3 ---	65.3 --
LG 31272	63.6 ---	67.0 ----	59.5 ---	68.3 ----	66.0 ---
P8086	63.7 ---	67.0 ----	60.0 ----	68.0 ----	65.7 ---
Milandro	61.7 -	66.0 --	58.0 --	64.7 --	65.3 --
ES Traveler	62.0 -	67.0 ----	57.5 -	66.0 ---	65.3 --
Meluseen	61.9 -	65.5 --	57.0 -	65.3 ---	65.0 --
Angeleen	64.1 ----	68.5 ----	60.0 ----	67.0 ----	67.0 ----
KWS Adorado	63.0 ---	67.5 ----	59.0 ---	65.0 --	66.3 ----
Qualito	64.4 ----	68.5 ----	60.0 ----	66.7 ----	67.7 ----
Fieldplayer	63.2 ---	69.0 ----	58.0 --	65.7 ---	65.3 --
SA1641 (SY Opale)	64.1 ----	68.5 ----	60.0 ----	67.3 ----	66.7 ----
EW3414	63.9 ----	69.0 ----	60.0 ----	67.0 ----	68.7 ----
GL187009 (Pilgrim)	64.9 ----	69.5 ----	59.0 ---	69.0 ----	68.7 ----
LZM272/30	62.1 -	66.0 --	58.0 --	65.3 ---	64.3 -
EX3428	64.0 ----	69.0 ----	60.0 ----	68.3 ----	66.3 ----
RH22008	63.9 ----	68.0 ----	60.0 ----	66.0 ---	67.3 ----
P8317	64.1 ----	68.5 ----	59.5 ---	68.3 ----	66.7 ----
1082B210-01	64.4 ----	69.0 ----	60.5 ----	68.3 ----	67.0 ----
1092B839-01	69.5 ----	73.0 ----	66.0 ----	75.0 ----	70.7 ----
P8902	67.0 ----	69.5 ----	62.0 ----	72.7 ----	68.7 ----
KXC1323	65.4 ----	70.0 ----	61.5 ----	68.7 ----	68.7 ----
KXC2321	64.0 ---	68.5 ----	60.0 ---	68.0 ----	67.7 ----
KXC3123	61.9 -	66.0 --	59.0 ---	65.3 ---	65.3 --
KXC2122	64.7 ----	68.5 ----	61.5 ----	69.0 ----	67.7 ----
SA1162	64.3 ----	68.5 ----	60.5 ----	67.7 ----	66.0 ---
SB1422	61.6 -	67.0 ----	57.0 -	66.0 ---	64.7 -
Benedictio KWS	63.7 ---	68.0 ----	59.0 ---	67.3 ----	66.0 ---
Micheleen	62.7 --	66.5 ---	58.0 --	67.0 ----	66.7 ----
LG 32257	62.6 --	65.5 --	57.5 -	67.7 ----	65.0 --
KWS Chiasso	61.6 -	66.0 --	58.5 --	65.3 ---	64.7 -
KWS Gedeo	62.9 --	67.0 ----	59.0 ---	66.0 ---	65.7 ---
KWS Editio	63.8 ---	68.0 ----	58.5 --	67.0 ----	67.3 ----
KWS Odorico	61.4 -	64.5 -	57.0 -	63.0 -	65.3 --
-Bezugsgrösse(n)	63.8 ----	67.8 ----	59.8 ----	67.3 ----	65.8 ---
Versuchs-Mittel	63.6 ---	67.8 ----	59.4 ---	67.2 ----	66.5 ----
VK [%]	2.3	1.4	1.5	2.3	1.0
KGD (5%)	1.1	1.9	1.8	2.5	1.1
KGD (1%)	1.5	2.6	2.4	3.3	1.5
Versuchs-Streuung	1.5	0.9	0.9	1.5	0.7
FG Fehlerterm	278.0	35.0	33.0	70.0	70.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1154.3	35	15.27	***	1.47	0.0000
Anbauorte	9219.0	4	1067.21	***	2.41	0.0000
WW Verf.*Anb.Orte	347.7	140	1.15	ns	1.27	
Fehler	600.4	278				
Insgesamt	11321.3	457				

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
SY Telias	59.0	-----
Amaroc	59.0	-----
KWS Robertino	54.7	--
LG 31245	55.7	---
LG 31272	57.3	----
P8086	58.0	-----
Milandro	54.7	--
ES Traveler	54.0	-
Meluseen	56.7	----
Angeleen	58.0	-----
KWS Adorado	57.3	-----
Qualito	59.0	-----
Fieldplayer	58.0	-----
SA1641 (SY Opale)	58.0	-----
EW3414	55.0	--
GL187009 (Pilgrim)	58.3	-----
LZM272/30	56.7	----
EX3428	56.3	----
RH22008	58.0	-----
P8317	57.7	-----
1082B210-01	57.3	-----
1092B839-01	63.0	-----
P8902	62.3	-----
KXC1323	58.3	-----
KXC2321	55.7	---
KXC3123	53.7	-
KXC2122	57.0	----
SA1162	58.7	-----
SB1422	53.3	-
Benedictio KWS	58.0	-----
Micheleen	55.3	---
LG 32257	57.3	-----
KWS Chiasso	53.3	-
KWS Gedeo	56.7	----
KWS Editio	58.0	-----
KWS Odorico	57.3	-----
-Bezugsgrösse(n)	58.5	-----
Versuchs-Mittel	57.1	----
VK [%]	3.9	
KGD (5%)	3.6	
KGD (1%)	4.8	
Versuchs-Streuung	2.2	
FG Fehlerterm	70.0	
Anz. Beob.	3.0	

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	62.7 ----	67.5 -----	57.5 ---	64.7 ----	65.7 ---
Amaroc	63.0 ----	66.0 ---	58.0 ----	66.3 ----	66.3 ----
KWS Robertino	63.7 ----	67.0 ----	58.0 ----	65.3 ----	67.7 ----
LG 31245	61.8 ---	67.0 ----	56.5 --	64.3 ---	65.7 ---
LG 31272	62.6 ----	67.0 ----	57.5 ---	66.3 ----	65.3 ---
P8086	62.7 ----	66.0 ---	58.0 ----	66.0 ----	65.0 --
Milandro	61.3 --	66.0 ---	56.0 --	63.0 --	66.0 ---
ES Traveler	61.4 --	66.5 ----	55.5 -	64.0 ---	66.3 ----
Meluseen	61.2 --	64.5 -	55.0 -	63.3 ---	65.3 --
Angeleen	63.0 ----	67.5 -----	58.0 ----	65.0 ----	67.0 ----
KWS Adorado	61.6 --	65.5 ---	57.0 ---	62.7 --	65.0 --
Qualito	62.7 ----	68.0 -----	58.0 ----	63.7 ---	65.7 ---
Fieldplayer	62.2 ---	67.5 -----	56.0 --	63.7 ---	65.7 ---
SA1641 (SY Opale)	62.8 ----	68.0 ----	58.0 ----	64.7 ----	65.7 ---
EW3414	62.5 ---	68.0 ----	58.0 ----	64.3 ---	68.3 ----
GL187009 (Pilgrim)	64.1 ----	68.5 -----	57.0 ---	67.0 ----	69.3 ----
LZM272/30	60.5 -	64.0 -	55.0 -	62.3 --	64.3 -
EX3428	63.5 ----	68.0 ----	58.0 ----	66.3 ----	67.7 ----
RH22008	62.7 ----	68.0 ----	58.0 ----	63.7 ---	66.0 ---
P8317	63.5 ----	68.0 ----	57.5 ---	66.7 ----	66.3 ----
1082B210-01	63.0 ----	68.0 ----	58.5 ----	66.3 ----	67.7 ----
1092B839-01	68.5 -----	71.0 -----	64.0 -----	73.0 -----	71.7 -----
P8902	66.5 -----	68.0 ----	60.0 ----	70.7 -----	69.3 ----
KXC1323	63.9 ----	69.0 ----	59.5 ----	66.7 ----	66.3 ---
KXC2321	63.0 ----	67.5 ----	58.0 ----	65.3 ----	66.3 ----
KXC3123	61.0 --	65.5 ---	57.0 ---	63.3 ---	65.0 --
KXC2122	64.2 ----	68.5 ----	59.5 ----	67.0 ----	68.7 ----
SA1162	62.4 ---	68.0 ----	58.0 ----	64.3 ---	64.3 -
SB1422	60.1 -	65.0 --	55.0 -	63.7 ---	64.0 -
Benedictio KWS	63.0 ----	66.5 ----	57.0 ---	65.3 ----	67.0 ----
Micheleen	61.9 ---	66.0 ---	56.0 --	65.0 ----	67.3 ----
LG 32257	61.7 ---	65.0 --	56.0 --	66.0 ----	65.0 --
KWS Chiasso	60.3 -	64.0 -	56.5 --	63.3 ---	64.3 -
KWS Gedeo	62.1 ---	66.0 ---	57.0 ---	64.0 ---	65.3 --
KWS Editio	62.5 ---	67.0 ----	56.5 --	65.0 ----	66.0 ---
KWS Odorico	60.3 -	64.0 -	55.0 -	61.0 -	64.0 -
-Bezugsgrösse(n)	62.7 ----	66.8 ----	57.8 ----	65.3 ----	65.3 --
Versuchs-Mittel	62.6 ----	66.9 ----	57.4 ---	65.1 ----	66.3 ----
VK [%]	2.8	1.3	1.5	2.4	1.8
KGD (5%)	1.4	1.7	1.8	2.6	1.9
KGD (1%)	1.8	2.3	2.4	3.4	2.6
Versuchs-Streuung	1.8	0.9	0.9	1.6	1.2
FG Fehlerterm	278.0	35.0	33.0	70.0	70.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1209.7	35	11.21 ***		1.47	0.0000
Anbauorte	8663.5	4	702.25 ***		2.41	0.0000
WW Verf.*Anb.Orte	477.5	140	1.11 ns		1.27	
Fehler	857.4	278				
Insgesamt	11208.1	457				

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
SY Telias	58.3	-----
Amaroc	58.3	-----
KWS Robertino	60.3	-----
LG 31245	55.3	---
LG 31272	57.0	----
P8086	58.7	-----
Milandro	55.3	---
ES Traveler	54.7	--
Meluseen	57.7	-----
Angeleen	57.7	-----
KWS Adorado	57.7	-----
Qualito	58.3	-----
Fieldplayer	58.0	-----
SA1641 (SY Opale)	57.7	-----
EW3414	53.7	-
GL187009 (Pilgrim)	58.7	-----
LZM272/30	57.0	----
EX3428	57.7	-----
RH22008	57.7	-----
P8317	59.0	-----
1082B210-01	54.7	--
1092B839-01	63.0	-----
P8902	64.3	-----
KXC1323	58.0	-----
KXC2321	58.0	-----
KXC3123	54.0	-
KXC2122	57.3	----
SA1162	57.3	----
SB1422	53.0	-
Benedictio KWS	59.0	-----
Micheleen	55.0	--
LG 32257	56.7	----
KWS Chiasso	53.3	-
KWS Gedeo	58.0	-----
KWS Editio	58.0	-----
KWS Odorico	57.3	----
-Bezugsgrösse(n)	58.5	-----
Versuchs-Mittel	57.4	----
VK [%]	4.8	
KGD (5%)	4.5	
KGD (1%)	6.0	
Versuchs-Streuung	2.8	
FG Fehlerterm	70.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	243.2 -	237.5 -	285.0 --	230.0 -	219.7 -
Amaroc	286.3 -----	287.5 -----	325.0 -----	273.3 -----	269.7 -----
KWS Robertino	273.1 -----	275.0 -----	300.0 -----	263.3 -----	246.7 -----
LG 31245	285.7 -----	280.0 -----	325.0 -----	285.0 -----	257.0 -----
LG 31272	278.4 -----	282.5 -----	310.0 -----	268.3 -----	258.3 -----
P8086	275.1 -----	280.0 -----	305.0 -----	265.0 -----	254.7 -----
Milandro	265.0 -----	257.5 ----	305.0 -----	256.7 -----	245.0 -----
ES Traveler	282.2 -----	280.0 -----	315.0 -----	265.0 -----	266.0 -----
Meluseen	268.1 -----	270.0 -----	310.0 -----	261.7 -----	240.3 -----
Angeleen	282.6 -----	280.0 -----	315.0 -----	283.3 -----	259.3 -----
KWS Adorado	279.1 -----	277.5 -----	307.5 -----	271.7 -----	262.7 -----
Qualito	277.6 -----	272.5 -----	310.0 -----	275.0 -----	254.0 -----
Fieldplayer	286.3 -----	285.0 -----	315.0 -----	280.0 -----	261.3 -----
SA1641 (SY Opale)	268.7 -----	272.5 -----	302.5 -----	266.7 -----	228.3 --
EW3414	288.2 -----	290.0 -----	320.0 -----	278.3 -----	270.7 -----
GL187009 (Pilgrim)	271.0 -----	280.0 -----	292.5 ---	258.3 -----	251.3 -----
LZM272/30	266.7 -----	250.0 ---	300.0 -----	263.3 -----	252.3 -----
EX3428	277.3 -----	270.0 -----	300.0 -----	268.3 -----	260.0 -----
RH22008	288.2 -----	290.0 -----	315.0 -----	291.7 -----	255.7 -----
P8317	276.2 -----	272.5 -----	307.5 -----	266.7 -----	253.3 -----
1082B210-01	294.4 -----	290.0 -----	325.0 -----	286.7 -----	268.0 -----
1092B839-01	266.7 -----	257.5 ----	305.0 -----	248.3 ----	238.0 ----
P8902	273.2 -----	265.0 -----	320.0 -----	256.7 -----	242.7 -----
KXC1323	286.5 -----	272.5 -----	320.0 -----	273.3 -----	266.7 -----
KXC2321	286.9 -----	282.5 -----	320.0 -----	278.3 -----	257.0 -----
KXC3123	268.1 -----	280.0 -----	295.0 ----	251.7 ----	240.0 ----
KXC2122	273.0 -----	275.0 -----	307.5 -----	251.7 ----	248.0 -----
SA1162	271.8 -----	265.0 -----	310.0 -----	263.3 -----	237.0 ----
SB1422	256.4 ---	257.5 ----	287.5 --	258.3 -----	230.7 ---
Benedictio KWS	267.9 -----	265.0 -----	297.5 ----	255.0 -----	254.3 -----
Micheleen	289.9 -----	300.0 -----	310.0 -----	275.0 -----	268.0 -----
LG 32257	270.7 -----	275.0 -----	310.0 -----	261.7 -----	243.3 -----
KWS Chiasso	254.0 ---	265.0 -----	280.0 -	238.3 --	236.0 ----
KWS Gedeo	273.9 -----	280.0 -----	310.0 -----	261.7 -----	254.3 -----
KWS Editio	269.5 -----	272.5 -----	297.5 ----	260.0 -----	248.3 -----
KWS Odorico	264.3 -----	275.0 -----	300.0 -----	258.3 -----	235.3 ----
-Bezugsgrösse(n)	259.2 ----	258.8 ----	295.0 ----	247.5 ---	237.2 ----
Versuchs-Mittel	274.6 -----	274.1 -----	307.2 -----	265.3 -----	250.9 -----
VK [%]	3.9	3.7	2.5	3.5	4.6
KGD (5%)	8.3	20.5	15.9	15.1	18.7
KGD (1%)	10.9	27.4	21.3	20.1	24.8
Versuchs-Streuung	10.7	10.1	7.8	9.3	11.5
FG Fehlerterm	278.0	35.0	33.0	70.0	70.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	54140.7	35	13.41	***	1.47	0.0000
Anbauorte	160232.0	4	347.30	***	2.41	0.0000
WW Verf.*Anb.Orte	19130.5	140	1.18	ns	1.27	
Fehler	32065.1	278				
Insgesamt	265568.2	457				

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
SY Telias	243.7	-
Amaroc	276.0	-----
KWS Robertino	280.3	-----
LG 31245	281.7	-----
LG 31272	272.7	-----
P8086	271.0	-----
Milandro	260.7	---
ES Traveler	285.0	-----
Meluseen	258.7	---
Angeleen	275.3	-----
KWS Adorado	276.0	-----
Qualito	276.7	-----
Fieldplayer	290.3	-----
SA1641 (SY Opale)	273.7	-----
EW3414	282.0	-----
GL187009 (Pilgrim)	273.0	-----
LZM272/30	267.7	-----
EX3428	288.3	-----
RH22008	288.7	-----
P8317	281.0	-----
1082B210-01	302.3	-----
1092B839-01	284.7	-----
P8902	281.7	-----
KXC1323	300.0	-----
KXC2321	296.7	-----
KXC3123	273.7	-----
KXC2122	283.0	-----
SA1162	283.7	-----
SB1422	248.0	-
Benedictio KWS	267.7	-----
Micheleen	296.7	-----
LG 32257	263.7	-----
KWS Chiasso	250.7	--
KWS Gedeo	263.7	-----
KWS Editio	269.3	-----
KWS Odorico	252.7	--
-Bezugsgrösse(n)	257.3	---
Versuchs-Mittel	275.6	-----
VK [%]	4.6	
KGD (5%)	20.6	
KGD (1%)	27.4	
Versuchs-Streuung	12.7	
FG Fehlerterm	70.0	
Anz. Beob.	3.0	

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	105.8 -	105.0 -	117.5 --	110.0 --	102.7 -
Amaroc	132.0 -----	137.5 -----	145.0 -----	128.3 -----	129.7 -----
KWS Robertino	118.6 ----	125.0 ----	135.0 ----	113.3 ---	109.7 ---
LG 31245	130.6 -----	127.5 -----	142.5 -----	131.7 -----	116.3 ----
LG 31272	137.6 -----	135.0 -----	150.0 -----	140.0 -----	131.3 -----
P8086	115.3 ----	122.5 ----	130.0 ----	110.0 --	108.3 ---
Milandro	116.1 ----	120.0 ----	137.5 ----	108.3 --	106.3 --
ES Traveler	124.6 -----	137.5 -----	117.5 --	110.0 --	129.3 -----
Meluseen	115.7 ----	115.0 ---	135.0 ----	115.0 ----	104.7 -
Angeleen	129.8 -----	117.5 ----	147.5 -----	128.3 -----	132.0 -----
KWS Adorado	121.7 -----	122.5 ----	140.0 -----	116.7 ----	106.0 --
Qualito	121.5 -----	125.0 ----	130.0 ----	126.7 -----	110.0 ---
Fieldplayer	116.3 ----	130.0 -----	122.5 --	113.3 ---	104.0 -
SA1641 (SY Opale)	111.9 ---	110.0 --	122.5 --	113.3 ---	102.7 -
EW3414	124.8 -----	120.0 ----	135.0 ----	120.0 ----	130.0 -----
GL187009 (Pilgrim)	126.7 -----	140.0 -----	135.0 ----	120.0 ----	116.3 ----
LZM272/30	132.2 -----	122.5 ----	150.0 -----	135.0 -----	125.0 -----
EX3428	124.0 ----	112.5 ---	135.0 ----	126.7 -----	122.3 -----
RH22008	128.4 -----	142.5 -----	135.0 ----	128.3 -----	117.7 ----
P8317	128.3 -----	125.0 ----	130.0 ----	128.3 -----	126.0 -----
1082B210-01	137.2 -----	132.5 -----	147.5 -----	140.0 -----	129.3 -----
1092B839-01	132.1 -----	125.0 ----	147.5 -----	128.3 -----	117.0 ----
P8902	135.1 -----	117.5 ----	167.5 -----	135.0 -----	122.7 -----
KXC1323	136.6 -----	135.0 -----	152.5 -----	125.0 -----	131.3 -----
KXC2321	127.9 -----	125.0 ----	140.0 ----	126.7 -----	123.0 -----
KXC3123	115.3 ----	120.0 ----	130.0 ----	113.3 ---	105.7 --
KXC2122	119.7 ----	122.5 ----	132.5 ----	118.3 ----	107.0 --
SA1162	119.6 ----	117.5 ----	130.0 ----	118.3 ----	111.3 ----
SB1422	118.2 ----	117.5 ----	125.0 ---	116.7 ----	112.3 ----
Benedictio KWS	123.6 -----	127.5 -----	142.5 -----	115.0 ----	113.0 ----
Micheleen	127.9 -----	130.0 -----	142.5 -----	123.3 -----	117.0 ----
LG 32257	111.3 --	117.5 ----	112.5 -	118.3 ----	107.7 --
KWS Chiasso	113.5 ---	105.0 -	135.0 ----	103.3 -	108.0 --
KWS Gedeo	119.0 ----	130.0 -----	135.0 ----	110.0 --	110.7 ---
KWS Editio	119.3 ----	122.5 ----	122.5 --	116.7 ----	121.0 -----
KWS Odorico	117.3 ----	125.0 -----	130.0 ----	110.0 --	111.3 ----
-Bezugsgrösse(n)	110.5 --	113.8 ---	123.8 ---	110.0 --	105.5 --
Versuchs-Mittel	123.2 -----	124.0 -----	135.7 -----	120.6 -----	116.1 -----
VK [%]	7.6	6.9	8.1	6.9	7.1
KGD (5%)	7.2	17.3	22.3	13.5	13.4
KGD (1%)	9.5	ns	ns	18.0	17.7
Versuchs-Streuung	9.3	8.5	11.0	8.3	8.2
FG Fehlerterm	277.0	35.0	33.0	70.0	70.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	29464.3	35	9.71 ***	1.47	0.0000
Anbauorte	21203.8	4	61.15 ***	2.41	0.0000
WW Verf.*Anb.Orte	16912.9	140	1.39 ns	1.27	
Fehler	24013.4	277			
Insgesamt	91594.4	456			

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	8566	
	Ellighausen TG	
SY Telias	93.7	-
Amaroc	119.7	-----
KWS Robertino	110.0	----
LG 31245	135.0	-----
LG 31272	131.7	-----
P8086	105.7	---
Milandro	108.3	----
ES Traveler	128.7	-----
Meluseen	108.7	----
Angeleen	123.7	-----
KWS Adorado	123.3	-----
Qualito	116.0	----
Fieldplayer	111.7	----
SA1641 (SY Opale)	111.0	----
EW3414	119.0	-----
GL187009 (Pilgrim)	122.0	-----
LZM272/30	128.7	-----
EX3428	123.3	-----
RH22008	118.3	-----
P8317	132.0	-----
1082B210-01	136.7	-----
1092B839-01	142.7	-----
P8902	132.7	-----
KXC1323	139.3	-----
KXC2321	124.7	-----
KXC3123	107.3	---
KXC2122	118.3	-----
SA1162	121.0	-----
SB1422	119.7	-----
Benedictio KWS	120.0	-----
Micheleen	126.5	-----
LG 32257	100.3	--
KWS Chiasso	116.3	----
KWS Gedeo	109.3	----
KWS Editio	113.7	----
KWS Odorico	110.0	----
-Bezugsgrösse(n)	99.7	--
Versuchs-Mittel	119.7	-----
VK [%]	9.0	
KGD (5%)	17.5	
KGD (1%)	23.2	
Versuchs-Streuung	10.7	
FG Fehlerterm	69.0	
Anz. Beob.	3.0	

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	43.7 ----	44.0 ----	41.3 ----	47.8 -----	46.8 -----
Amaroc	46.2 -----	47.8 -----	44.6 -----	46.9 -----	48.1 -----
KWS Robertino	43.4 ----	45.4 ----	45.0 ----	43.0 ---	44.5 ----
LG 31245	45.7 -----	45.5 -----	43.8 ----	46.2 ----	45.3 ----
LG 31272	49.5 -----	47.8 -----	48.4 -----	52.2 -----	50.8 -----
P8086	41.9 --	43.8 ----	42.6 ----	41.4 -	42.7 ---
Milandro	43.8 ----	46.5 -----	45.2 -----	42.2 --	43.4 ----
ES Traveler	44.4 ----	49.2 -----	37.3 -	41.5 --	48.6 -----
Meluseen	43.1 ---	42.6 ---	43.6 ----	43.9 ---	43.6 ----
Angeleen	46.0 -----	42.0 ---	46.8 -----	45.3 ----	50.9 -----
KWS Adorado	43.5 ----	44.1 ----	45.5 -----	42.9 ---	40.3 -
Qualito	43.8 ----	45.9 -----	42.0 ----	46.1 ----	43.2 ----
Fieldplayer	40.6 -	45.6 -----	38.9 --	40.4 -	39.8 -
SA1641 (SY Opale)	41.8 --	40.4 -	40.5 ---	42.5 --	45.0 ----
EW3414	43.4 ----	41.4 --	42.2 ----	43.1 ---	48.1 -----
GL187009 (Pilgrim)	46.7 -----	49.9 -----	46.3 -----	46.4 -----	46.4 -----
LZM272/30	49.6 -----	49.0 -----	50.0 -----	51.3 -----	49.8 -----
EX3428	44.8 ----	41.8 ---	44.9 ----	47.2 ----	47.1 ----
RH22008	44.6 ----	49.2 -----	42.9 ----	43.9 ---	46.1 ----
P8317	46.6 -----	45.9 -----	42.2 ----	48.2 -----	49.8 -----
1082B210-01	46.7 -----	45.7 -----	45.4 -----	48.9 -----	48.2 -----
1092B839-01	49.6 -----	48.5 -----	48.5 -----	51.7 -----	49.1 -----
P8902	49.4 -----	44.3 ----	52.3 -----	52.6 -----	50.5 -----
KXC1323	47.8 -----	49.5 -----	47.7 -----	45.9 ----	49.3 -----
KXC2321	44.7 ----	44.3 ----	43.8 ----	45.5 ----	47.9 -----
KXC3123	43.0 ---	42.9 ----	44.1 ----	45.1 ----	44.0 ----
KXC2122	43.9 ----	44.6 ----	43.1 ----	47.1 ----	43.1 ----
SA1162	44.2 ----	44.4 ----	41.9 ----	44.9 ----	47.0 -----
SB1422	46.2 -----	45.6 -----	43.5 ----	45.1 ----	48.7 -----
Benedictio KWS	46.1 -----	48.2 -----	47.9 -----	45.1 ----	44.4 ----
Micheleen	44.2 ----	43.3 ----	46.0 -----	44.9 ----	43.6 ----
LG 32257	41.3 -	42.7 ----	36.3 -	45.2 ----	44.3 ----
KWS Chiasso	44.7 ----	39.6 -	48.3 -----	43.4 ---	45.9 -----
KWS Gedeo	43.4 ----	46.5 -----	43.5 ----	42.0 --	43.5 ----
KWS Editio	44.4 ----	44.9 -----	41.2 ----	44.9 ---	48.8 -----
KWS Odorico	44.4 ----	45.5 -----	43.3 ----	42.6 --	47.3 -----
-Bezugsgrösse(n)	42.8 ---	43.9 ----	41.9 ----	44.6 ----	44.8 ----
Versuchs-Mittel	44.9 -----	45.2 -----	44.2 -----	45.5 -----	46.3 -----
VK [%]	7.0	6.2	8.4	5.7	7.0
KGD (5%)	2.4	5.6	ns	4.3	5.3
KGD (1%)	3.2	ns	ns	5.7	7.0
Versuchs-Streuung	3.2	2.8	3.7	2.6	3.3
FG Fehlerterm	277.0	35.0	33.0	70.0	70.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2354.8	35	6.75 ***	1.47	0.0000
Anbauorte	467.3	4	11.71 ***	2.41	0.0000
WW Verf.*Anb.Orte	1851.6	140	1.33 ns	1.27	
Fehler	2762.9	277			
Insgesamt	7436.6	456			

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	8566	
	Ellighausen TG	
SY Telias	38.5	-
Amaroc	43.3	-----
KWS Robertino	39.3	--
LG 31245	47.9	-----
LG 31272	48.5	-----
P8086	39.0	-
Milandro	41.8	----
ES Traveler	45.2	-----
Meluseen	42.0	----
Angeleen	45.0	-----
KWS Adorado	44.6	-----
Qualito	41.9	----
Fieldplayer	38.5	-
SA1641 (SY Opale)	40.6	---
EW3414	42.2	----
GL187009 (Pilgrim)	44.7	-----
LZM272/30	48.0	-----
EX3428	42.8	----
RH22008	41.0	---
P8317	46.9	-----
1082B210-01	45.2	-----
1092B839-01	50.0	-----
P8902	47.1	-----
KXC1323	46.5	-----
KXC2321	42.0	----
KXC3123	39.2	--
KXC2122	41.8	----
SA1162	42.6	----
SB1422	48.3	-----
Benedictio KWS	44.8	-----
Micheleen	43.1	-----
LG 32257	38.0	-
KWS Chiasso	46.4	-----
KWS Gedeo	41.6	----
KWS Editio	42.2	----
KWS Odorico	43.3	-----
-Bezugsgrösse(n)	38.8	-
Versuchs-Mittel	43.4	-----
VK [%]	7.9	
KGD (5%)	5.6	
KGD (1%)	7.5	
Versuchs-Streuung	3.4	
FG Fehlerterm	69.0	
Anz. Beob.	3.0	

Green snapping [%] / Green snapping [%]

Verfahren	Seriemittel	1725 Grangeneuve	5643 Alikon AG	8566 Ellighausen TG
SY Telias	0.2 -	0.0 -	0.5 -	0.0 -
Amaroc	6.1 ----	1.7 ---	13.8 ----	2.9 --
KWS Robertino	4.1 ---	1.6 ---	8.5 ---	2.3 --
LG 31245	1.8 --	0.6 -	3.7 -	1.1 -
LG 31272	13.3 -----	2.3 ---	20.1 ----	17.5 -----
P8086	0.4 -	0.0 -	1.1 -	0.0 -
Milandro	1.8 --	0.0 -	2.6 -	2.9 --
ES Traveler	6.7 ----	1.1 --	17.5 ----	1.6 --
Meluseen	16.4 -----	0.0 -	42.9 -----	6.5 ----
Angeleen	0.7 -	0.0 -	2.1 -	0.0 -
KWS Adorado	4.7 ---	2.2 ---	4.2 --	7.8 ----
Qualito	2.2 --	0.0 -	4.2 --	2.5 --
Fieldplayer	1.2 -	0.5 -	3.2 -	0.0 -
SA1641 (SY Opale)	0.4 -	0.0 -	0.0 -	1.1 -
EW3414	13.1 -----	3.7 ----	20.6 ----	15.0 -----
GL187009 (Pilgrim)	0.9 -	0.0 -	2.6 -	0.0 -
LZM272/30	14.1 -----	2.1 ---	33.9 -----	6.5 ----
EX3428	1.0 -	0.0 -	0.0 -	2.9 --
RH22008	10.2 -----	5.6 -----	21.7 -----	3.2 --
P8317	0.9 -	0.0 -	1.6 -	1.2 -
1082B210-01	4.6 ---	0.5 -	13.2 ----	0.0 -
1092B839-01	0.5 -	0.5 -	0.5 -	0.5 -
P8902	0.0 -	0.0 -	0.0 -	0.0 -
KXC1323	3.5 ---	8.3 -----	1.1 -	1.2 -
KXC2321	2.5 --	0.0 -	7.4 --	0.0 -
KXC3123	3.1 ---	2.5 ----	6.9 --	0.0 -
KXC2122	5.6 ----	0.5 -	6.9 --	9.5 -----
SA1162	1.4 -	0.0 -	2.1 -	2.2 --
SB1422	0.0 -	0.0 -	0.0 -	0.0 -
Benedictio KWS	4.8 ----	2.2 ---	11.1 ---	1.1 -
Micheleen	5.5 ----	0.0 -	16.4 ----	0.0 -
LG 32257	1.8 --	0.0 -	5.3 --	0.0 -
KWS Chiasso	1.1 -	2.1 ---	0.5 -	0.6 -
KWS Gedeo	3.1 --	2.2 ---	5.3 --	1.7 --
KWS Editio	2.1 --	0.0 -	4.8 --	1.6 --
KWS Odorico	5.0 ----	1.8 ---	12.7 ----	0.6 -
-Bezugsgrösse(n)	0.3 -	0.0 -	0.8 -	0.0 -
Versuchs-Mittel	4.0 ---	1.2 --	8.3 ---	2.6 --
VK [%]	149.2	164.2	100.5	162.0
KGD (5%)	5.9	ns	13.6	6.9
KGD (1%)	7.8	ns	18.0	9.2
Versuchs-Streuung	6.0	1.9	8.3	4.2
FG Fehlerterm	173.0	33.0	70.0	70.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5255.5	35	4.15 ***	1.49	0.0000
Anbauorte	2731.6	2	37.77 ***	3.04	0.0000
WW Verf.*Anb.Orte	5706.6	70	2.25 ***	1.37	0.0004
Fehler	6255.4	173			
Insgesamt	19949.1	280			

Verse en végétation [%] / Wurzellagerung Vegetation [%]

Verfahren	Seriemittel	1567 Delley FR	1725 Grangeneuve	8193 Eglisau ZH
SY Telias	10.6 --	0.0 -	0.0 -	31.7 ----
Amaroc	25.1 -----	0.0 -	25.0 -----	50.2 -----
KWS Robertino	18.6 ----	0.0 -	25.0 -----	30.8 ----
LG 31245	25.6 -----	0.0 -	12.5 ---	64.4 -----
LG 31272	13.7 ---	0.0 -	12.5 ---	28.6 ----
P8086	22.7 -----	0.0 -	25.0 -----	43.0 -----
Milandro	15.7 ---	2.1 -----	12.5 ---	32.6 ----
ES Traveler	6.7 -	0.0 -	6.3 --	13.8 --
Meluseen	9.4 -	0.0 -	0.0 -	28.3 ----
Angeleen	17.3 ----	0.0 -	6.3 --	45.6 -----
KWS Adorado	21.5 -----	0.0 -	18.8 ----	45.8 -----
Qualito	11.0 --	0.0 -	18.8 ----	14.2 --
Fieldplayer	31.2 -----	0.0 -	18.8 ----	74.9 -----
SA1641 (SY Opale)	7.8 -	2.1 -----	0.0 -	21.3 ---
EW3414	18.2 ----	0.0 -	12.5 ---	42.2 ----
GL187009 (Pilgrim)	20.9 ----	4.2 -----	18.8 ----	39.8 ----
LZM272/30	12.2 --	0.0 -	25.0 -----	11.6 -
EX3428	23.2 ----	0.0 -	18.8 ----	50.9 -----
RH22008	44.5 -----	0.0 -	50.0 -----	83.4 -----
P8317	12.6 --	0.0 -	0.0 -	37.8 ----
1082B210-01	16.5 ---	0.0 -	18.8 ----	30.8 ----
1092B839-01	8.7 -	0.0 -	6.3 --	19.9 --
P8902	6.0 -	0.0 -	0.0 -	18.1 --
KXC1323	11.9 --	0.0 -	25.0 -----	10.7 -
KXC2321	23.7 -----	0.0 -	25.0 -----	46.1 -----
KXC3123	8.9 -	2.1 -----	18.8 ----	5.7 -
KXC2122	8.8 -	2.1 -----	0.0 -	24.3 ---
SA1162	8.0 -	0.0 -	0.0 -	24.1 ---
SB1422	12.9 --	0.0 -	0.0 -	38.6 ----
Benedictio KWS	19.8 ----	0.0 -	25.0 -----	34.4 ----
Micheleen	16.1 ---	0.0 -	0.0 -	48.4 -----
LG 32257	14.3 ---	0.0 -	6.3 --	36.7 ----
KWS Chiasso	22.3 -----	0.0 -	43.8 -----	23.3 ---
KWS Gedeo	14.6 ---	0.0 -	18.8 ----	25.1 ---
KWS Editio	12.7 --	0.0 -	12.5 ---	25.7 ---
KWS Odorico	15.8 ---	2.1 -----	6.3 --	39.1 ----
-Bezugsgrösse(n)	16.6 ---	0.0 -	12.5 ---	37.3 -----
Versuchs-Mittel	16.4 ---	0.4 --	14.2 ---	34.5 ----
VK [%]	85.1	429.5	105.9	56.3
KGD (5%)	13.8	ns	ns	31.6
KGD (1%)	18.2	ns	ns	42.0
Versuchs-Streuung	13.9	1.7	14.6	19.4
FG Fehlerterm	173.0	70.0	33.0	70.0
Anz. Beob.	8.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17070.6	35	2.51 ***	1.49	0.0004
Anbauorte	56461.2	2	145.13 ***	3.04	0.0000
WW Verf.*Anb.Orte	24440.3	70	1.79 **	1.37	0.0012
Fehler	33652.4	173			
Insgesamt	131624.6	280			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
SY Telias	1.3 ----	3.9 -----	2.2 ---	0.4 ---	0.0 -
Amaroc	0.5 --	0.6 -	1.7 --	0.4 ---	0.0 -
KWS Robertino	0.8 ---	2.6 ----	1.1 --	0.4 ---	0.0 -
LG 31245	0.9 ----	3.8 -----	0.6 -	0.0 -	0.0 -
LG 31272	0.4 --	0.6 -	1.3 --	0.0 -	0.0 -
P8086	0.1 -	0.6 -	0.0 -	0.0 -	0.0 -
Milandro	1.0 ----	0.5 -	4.5 -----	0.0 -	0.0 -
ES Traveler	0.6 ---	0.0 -	2.9 ---	0.0 -	0.0 -
Meluseen	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
Angeleen	0.2 -	0.5 -	0.6 -	0.0 -	0.0 -
KWS Adorado	0.7 ---	1.1 --	2.2 ---	0.0 -	0.0 -
Qualito	2.2 -----	0.5 -	10.1 -----	0.3 ---	0.0 -
Fieldplayer	0.9 ----	1.8 ---	2.2 ---	0.4 ---	0.0 -
SA1641 (SY Opale)	0.9 ----	1.1 --	2.6 ---	0.0 -	0.0 -
EW3414	0.9 ----	0.0 -	3.8 ----	0.0 -	0.0 -
GL187009 (Pilgrim)	0.1 -	0.0 -	0.0 -	0.4 ---	0.0 -
LZM272/30	0.4 --	0.0 -	1.0 --	0.3 ---	0.5 -----
EX3428	0.5 --	0.0 -	1.7 --	0.7 ----	0.0 -
RH22008	0.2 -	0.0 -	1.1 --	0.0 -	0.0 -
P8317	2.1 -----	7.6 -----	2.4 ---	0.4 ---	0.0 -
1082B210-01	0.1 -	0.5 -	0.0 -	0.0 -	0.0 -
1092B839-01	0.9 ----	1.3 --	3.1 ----	0.0 -	0.0 -
P8902	0.5 --	1.2 --	0.5 -	0.7 ----	0.0 -
KXC1323	1.0 ----	1.2 --	2.7 ---	0.7 ----	0.0 -
KXC2321	2.9 -----	5.1 -----	8.0 -----	0.4 ---	1.1 -----
KXC3123	0.8 ---	1.1 --	2.8 ---	0.0 -	0.0 -
KXC2122	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
SA1162	0.1 -	0.0 -	0.5 -	0.0 -	0.0 -
SB1422	0.5 --	1.8 ---	0.6 -	0.0 -	0.0 -
Benedictio KWS	0.5 --	1.3 --	1.1 --	0.0 -	0.0 -
Micheleen	1.0 ----	1.2 --	4.0 ----	0.0 -	0.0 -
LG 32257	0.1 -	0.0 -	0.5 -	0.0 -	0.0 -
KWS Chiasso	0.1 -	0.0 -	0.0 -	0.7 ----	0.0 -
KWS Gedeo	2.1 -----	2.3 ----	7.7 -----	0.3 ---	0.0 -
KWS Editio	1.8 -----	0.0 -	7.3 -----	1.7 -----	0.0 -
KWS Odorico	0.9 ----	0.6 -	3.7 ----	0.0 -	0.0 -
-Bezugsgrösse(n)	0.7 ---	2.2 ----	1.1 --	0.2 --	0.0 -
Versuchs-Mittel	0.8 ---	1.2 --	2.3 ---	0.2 --	0.0 -
VK [%]	144.8	137.9	119.5	211.9	765.7
KGD (5%)	0.9	3.3	ns	0.8	ns
KGD (1%)	1.1	ns	ns	ns	ns
Versuchs-Streuung	1.1	1.6	2.6	0.5	0.3
FG Fehlerterm	278.0	35.0	33.0	70.0	70.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	216.8	35	4.98 ***	1.47	0.0000
Anbauorte	374.8	4	75.37 ***	2.41	0.0000
WW Verf.*Anb.Orte	614.5	140	3.53 ***	1.27	0.0000
Fehler	345.6	278			
Insgesamt	1551.7	457			

Charbon [%] / Beulenbrand [%]

Verfahren	8193	
	Eglisau ZH	
SY Telias	0.0	-
Amaroc	0.0	-
KWS Robertino	0.0	-
LG 31245	0.0	-
LG 31272	0.0	-
P8086	0.0	-
Milandro	0.0	-
ES Traveler	0.0	-
Meluseen	0.0	-
Angeleen	0.0	-
KWS Adorado	0.0	-
Qualito	0.0	-
Fieldplayer	0.0	-
SA1641 (SY Opale)	0.6	-----
EW3414	0.5	-----
GL187009 (Pilgrim)	0.0	-
LZM272/30	0.0	-
EX3428	0.0	-
RH22008	0.0	-
P8317	0.0	-
1082B210-01	0.0	-
1092B839-01	0.0	-
P8902	0.0	-
KXC1323	0.5	-----
KXC2321	0.0	-
KXC3123	0.0	-
KXC2122	0.0	-
SA1162	0.0	-
SB1422	0.0	-
Benedictio KWS	0.0	-
Micheleen	0.0	-
LG 32257	0.0	-
KWS Chiasso	0.0	-
KWS Gedeo	0.0	-
KWS Editio	0.0	-
KWS Odorico	0.0	-
-Bezugsgrösse(n)	0.0	-
Versuchs-Mittel	0.0	-
VK [%]	609.1	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	0.3	
FG Fehlerterm	70.0	
Anz. Beob.	3.0	

Pyrales plantes touchées [%] / mit Maiszünsler befallene Pflanzen [%]

Verfahren	Seriemittel	5643
		Alikon AG
SY Telias	0.0 -	0.0 -
Amaroc	0.0 -	0.0 -
KWS Robertino	0.0 -	0.0 -
LG 31245	0.0 -	0.0 -
LG 31272	0.0 -	0.0 -
P8086	0.0 -	0.0 -
Milandro	0.0 -	0.0 -
ES Traveler	0.0 -	0.0 -
Meluseen	0.0 -	0.0 -
Angeleen	0.0 -	0.0 -
KWS Adorado	0.0 -	0.0 -
Qualito	0.5 -----	0.5 -----
Fieldplayer	0.0 -	0.0 -
SA1641 (SY Opale)	0.0 -	0.0 -
EW3414	0.0 -	0.0 -
GL187009 (Pilgrim)	0.0 -	0.0 -
LZM272/30	0.5 -----	0.5 -----
EX3428	0.0 -	0.0 -
RH22008	0.0 -	0.0 -
P8317	0.0 -	0.0 -
1082B210-01	0.0 -	0.0 -
1092B839-01	0.0 -	0.0 -
P8902	0.0 -	0.0 -
KXC1323	0.0 -	0.0 -
KXC2321	0.0 -	0.0 -
KXC3123	0.0 -	0.0 -
KXC2122	0.0 -	0.0 -
SA1162	0.0 -	0.0 -
SB1422	0.0 -	0.0 -
Benedictio KWS	0.0 -	0.0 -
Micheleen	0.0 -	0.0 -
LG 32257	0.0 -	0.0 -
KWS Chiasso	0.0 -	0.0 -
KWS Gedeo	0.0 -	0.0 -
KWS Editio	0.0 -	0.0 -
KWS Odorico	0.0 -	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.0 -	0.0 -
VK [%]	740.1	740.1
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.2	0.2
FG Fehlerterm	70.0	70.0
Anz. Beob.	3.0	3.0

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	8.5 ----	7.1 -	7.7 -----	8.9 ----	9.5 -----
Amaroc	8.5 ----	8.3 -----	8.4 -----	8.9 ----	9.0 ----
KWS Robertino	8.6 -----	9.4 -----	7.3 ----	9.3 -----	9.3 -----
LG 31245	8.4 ----	7.9 ---	7.5 -----	8.9 ---	9.2 ----
LG 31272	8.4 ----	8.7 -----	7.9 -----	8.3 -	9.2 ----
P8086	8.4 ----	8.4 -----	8.0 -----	8.9 ----	8.9 ----
Milandro	8.6 -----	8.7 -----	7.3 -----	9.0 ----	9.4 -----
ES Traveler	8.5 ----	8.9 -----	7.1 ----	9.0 ----	8.9 ----
Meluseen	8.6 -----	8.7 -----	6.8 ----	9.4 -----	9.4 -----
Angeleen	8.4 ----	9.5 -----	5.7 -	9.1 ----	9.4 -----
KWS Adorado	8.6 -----	9.1 -----	7.8 -----	9.1 ----	9.1 ----
Qualito	8.7 -----	9.1 -----	7.4 -----	9.3 -----	9.6 -----
Fieldplayer	8.5 ----	8.3 ----	7.1 ----	9.3 ----	9.1 ----
SA1641 (SY Opale)	8.8 -----	9.0 -----	8.1 -----	9.7 -----	9.4 ----
EW3414	8.7 -----	8.5 ----	7.5 -----	9.1 ----	9.6 -----
GL187009 (Pilgrim)	8.7 -----	9.1 -----	8.3 -----	8.6 --	9.4 ----
LZM272/30	8.7 -----	8.0 ----	8.4 -----	9.6 -----	9.5 -----
EX3428	8.7 -----	9.2 -----	8.4 -----	9.1 ----	9.3 ----
RH22008	8.2 -	8.3 ----	7.0 ----	9.0 ----	8.4 -
P8317	8.1 -	8.4 ----	6.3 ---	8.4 -	9.1 ----
1082B210-01	8.6 -----	8.9 -----	7.9 -----	9.1 ----	9.4 ----
1092B839-01	8.7 -----	8.0 ----	7.3 ----	9.7 -----	9.7 -----
P8902	8.6 -----	8.1 ----	8.0 -----	9.0 ----	9.4 ----
KXC1323	8.8 -----	8.7 -----	8.2 -----	9.0 ----	9.5 ----
KXC2321	8.9 -----	8.6 ----	7.9 -----	10.0 -----	9.5 ----
KXC3123	8.6 -----	8.2 ----	7.8 -----	9.4 -----	9.0 ----
KXC2122	8.8 -----	8.4 ----	8.5 -----	9.3 ----	9.8 -----
SA1162	8.6 -----	8.2 ----	8.1 -----	9.1 ----	9.1 ----
SB1422	8.7 -----	8.5 -----	8.2 -----	8.6 --	9.4 ----
Benedictio KWS	8.7 -----	8.4 ----	7.8 -----	9.0 ----	9.5 ----
Micheleen	8.2 --	8.3 ----	6.4 ---	8.5 --	9.3 ----
LG 32257	8.6 -----	8.7 -----	8.5 -----	8.8 ---	9.3 ----
KWS Chiasso	8.9 -----	9.0 -----	8.3 -----	9.6 -----	9.5 ----
KWS Gedeo	8.8 -----	8.9 -----	8.1 -----	9.1 ----	9.4 ----
KWS Editio	8.8 -----	7.5 --	8.1 -----	9.6 -----	9.8 -----
KWS Odorico	8.5 -----	8.2 ----	8.3 -----	8.5 --	9.3 ----
-Bezugsgrösse(n)	8.5 ----	7.7 ---	7.9 -----	8.9 ----	9.2 -----
Versuchs-Mittel	8.6 -----	8.5 -----	7.7 -----	9.1 ----	9.3 ----
VK [%]	6.8	7.8	14.6	4.3	3.8
KGD (5%)	0.3	ns	ns	ns	0.6
KGD (1%)	0.5	ns	ns	ns	ns
Versuchs-Streuung	0.6	0.7	1.1	0.4	0.4
FG Fehlerterm	487.0	35.0	69.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	27.2	35	2.29 ***		1.45	0.0006
Anbauorte	175.4	7	73.76 ***		2.03	0.0000
WW Verf.*Anb.Orte	96.4	245	1.16 ns		1.20	
Fehler	165.5	487				
Insgesamt	464.5	774				

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	5643 Alikon AG		8046 Reckenholz ZH		8193 Eglisau ZH		8566 Ellighausen TG	
SY Telias	8.8	-	8.9	-----	8.4	-----	8.6	-----
Amaroc	8.8	-	8.2	----	7.7	--	8.5	-----
KWS Robertino	8.8	-	8.5	-----	8.3	-----	8.0	--
LG 31245	8.8	-	8.5	-----	8.3	-----	8.5	-----
LG 31272	8.8	-	8.6	-----	7.7	--	8.0	-
P8086	8.8	-	8.4	-----	7.8	---	8.3	----
Milandro	9.2	-----	8.3	----	8.4	-----	8.4	----
ES Traveler	8.8	-	8.6	-----	7.8	---	8.6	-----
Meluseen	8.8	-	8.5	-----	8.3	-----	8.6	-----
Angeleen	8.8	-	8.5	-----	8.2	----	8.5	-----
KWS Adorado	8.8	-	8.6	-----	7.4	-	8.9	-----
Qualito	8.8	-	8.6	-----	8.8	-----	8.4	----
Fieldplayer	8.9	--	8.5	-----	8.2	----	8.7	-----
SA1641 (SY Opale)	8.8	-	8.8	-----	8.4	-----	8.7	-----
EW3414	8.8	-	8.7	-----	8.6	-----	9.0	-----
GL187009 (Pilgrim)	8.8	-	8.5	-----	8.5	-----	8.7	-----
LZM272/30	8.8	-	8.4	-----	8.3	-----	8.7	-----
EX3428	9.0	----	8.8	-----	7.8	---	8.2	----
RH22008	8.8	-	8.2	----	7.7	--	7.9	-
P8317	8.9	---	8.3	----	7.7	--	8.0	-
1082B210-01	8.8	-	7.5	-	8.4	-----	8.7	-----
1092B839-01	8.8	-	8.0	----	9.1	-----	8.9	-----
P8902	8.8	-	8.4	-----	8.6	-----	8.6	-----
KXC1323	8.8	-	8.2	----	8.9	-----	8.6	-----
KXC2321	8.8	-	9.2	-----	8.5	-----	8.8	-----
KXC3123	9.0	----	8.4	-----	8.5	-----	8.9	-----
KXC2122	8.8	-	8.8	-----	8.4	-----	8.3	----
SA1162	8.8	-	8.7	-----	8.5	-----	8.6	-----
SB1422	9.0	----	9.0	-----	8.4	-----	8.4	----
Benedictio KWS	8.8	-	8.8	-----	8.6	-----	8.6	-----
Micheleen	8.8	-	8.3	----	7.8	---	8.2	----
LG 32257	8.8	-	8.2	----	7.8	---	8.7	-----
KWS Chiasso	8.8	-	8.6	-----	8.4	-----	8.9	-----
KWS Gedeo	8.8	-	8.6	-----	8.7	-----	8.8	-----
KWS Editio	8.8	-	8.5	-----	9.0	-----	8.9	-----
KWS Odorico	8.8	-	8.6	-----	8.0	----	8.6	-----
-Bezugsgrösse(n)	8.8	-	8.6	-----	8.1	----	8.4	-----
Versuchs-Mittel	8.9	-	8.5	-----	8.3	-----	8.5	-----
VK [%]	1.4		6.8		6.1		3.6	
KGD (5%)	ns		ns		0.8		0.5	
KGD (1%)	ns		ns		1.1		0.7	
Versuchs-Streuung	0.1		0.6		0.5		0.3	
FG Fehlerterm	70.0		70.0		70.0		70.0	
Anz. Beob.	3.0		3.0		3.0		3.0	

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	531.3	477.1	366.8	672.9	510.2
Amaroc	546.7	477.0	310.9	761.0	535.6
KWS Robertino	548.0	532.2	349.7	686.5	547.2
LG 31245	577.7	526.9	345.5	733.7	596.3
LG 31272	581.3	568.7	395.0	782.0	588.1
P8086	550.0	566.6	354.3	713.4	556.3
Milandro	520.7	478.2	312.4	597.0	500.0
ES Traveler	603.0	527.3	383.6	775.7	595.4
Meluseen	522.3	506.8	334.9	669.7	538.2
Angeleen	569.8	522.4	324.4	735.9	592.0
KWS Adorado	547.7	546.7	297.9	732.2	514.9
Qualito	587.8	529.0	312.4	714.6	563.1
Fieldplayer	547.7	539.5	337.6	742.9	505.3
SA1641 (SY Opale)	586.9	528.6	374.1	739.9	556.0
EW3414	567.8	563.2	362.3	769.7	565.7
GL187009 (Pilgrim)	630.9	575.5	451.3	788.3	662.8
LZM272/30	546.8	449.2	359.8	682.2	528.8
EX3428	561.5	472.3	369.5	711.0	563.9
RH22008	585.6	581.0	360.5	740.7	583.0
P8317	612.1	593.4	411.9	791.7	590.1
1082B210-01	614.2	584.3	377.2	786.3	573.8
1092B839-01	666.7	588.5	386.0	884.1	644.8
P8902	641.1	583.2	408.5	848.2	584.9
KXC1323	614.8	562.3	389.2	755.8	566.9
KXC2321	624.5	513.5	389.0	782.9	543.3
KXC3123	526.7	531.0	314.2	687.5	485.4
KXC2122	575.9	592.5	358.4	639.8	594.8
SA1162	541.1	487.3	336.8	688.6	505.7
SB1422	568.6	584.6	377.3	739.7	561.8
Benedictio KWS	546.8	520.1	320.1	703.3	539.4
Micheleen	558.3	502.1	334.6	717.9	573.2
LG 32257	553.4	502.9	354.2	696.3	540.9
KWS Chiasso	516.8	495.3	316.8	697.9	453.9
KWS Gedeo	551.5	523.2	310.8	703.8	533.1
KWS Editio	586.0	514.2	364.6	728.7	580.0
KWS Odorico	519.7	485.0	282.2	710.1	539.6
-Bezugsgrösse(n)	540.6	521.9	360.5	693.1	533.3
Versuchs-Mittel	570.3	531.4	353.7	730.9	556.0
VK [%]	7.3	6.2	10.7	5.4	5.3
KGD (5%)	24.8	66.9	61.4	80.6	47.6
KGD (1%)	32.6	89.7	81.5	108.3	63.1
Versuchs-Streuung	41.8	32.9	37.7	39.6	29.2
FG Fehlerterm	486.0	35.0	69.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1052475.8	35	17.17 ***	1.45	0.0000
Anbauorte	8530651.8	7	695.95 ***	2.03	0.0000
WW Verf.*Anb.Orte	771264.6	245	1.80 ***	1.20	0.0006
Fehler	851023.2	486			
Insgesamt	11205415.4	773			

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	580.0	542.5	529.1	571.8
Amaroc	540.3	566.0	537.0	646.0
KWS Robertino	525.6	555.1	521.2	666.0
LG 31245	606.0	527.7	626.3	659.2
LG 31272	493.3	543.8	597.1	682.6
P8086	519.7	505.2	530.4	654.0
Milandro	555.6	558.0	538.3	625.8
ES Traveler	542.3	624.9	579.0	796.0
Meluseen	383.6	547.8	578.9	618.0
Angeleen	603.0	549.8	569.6	661.4
KWS Adorado	556.0	525.4	575.6	632.6
Qualito	606.0	613.2	669.2	694.9
Fieldplayer	540.8	543.5	555.8	615.9
SA1641 (SY Opale)	602.5	596.7	629.3	668.4
EW3414	512.9	560.9	571.9	635.5
GL187009 (Pilgrim)	597.1	561.8	702.7	707.8
LZM272/30	502.6	584.6	589.3	678.1
EX3428	588.6	562.3	527.9	696.8
RH22008	486.9	599.5	573.2	759.7
P8317	592.8	637.6	555.1	724.1
1082B210-01	613.3	629.4	605.6	743.4
1092B839-01	712.3	648.3	687.5	782.3
P8902	645.1	652.8	669.3	736.7
KXC1323	640.7	627.6	638.3	737.3
KXC2321	646.1	623.1	705.0	793.3
KXC3123	492.2	524.6	540.4	638.5
KXC2122	539.3	592.4	612.3	677.9
SA1162	531.0	563.4	570.8	645.4
SB1422	549.0	520.3	581.0	635.4
Benedictio KWS	517.8	591.6	525.4	656.9
Micheleen	547.7	573.6	553.2	664.3
LG 32257	535.9	578.8	546.3	672.2
KWS Chiasso	484.5	555.6	562.6	567.8
KWS Gedeo	524.6	583.0	578.7	654.4
KWS Editio	586.4	584.9	626.6	702.6
KWS Odorico	436.5	556.1	502.2	646.0
-Bezugsgrösse(n)	549.9	523.8	529.7	612.9
Versuchs-Mittel	553.8	575.3	585.1	676.4
VK [%]	7.7	6.4	9.3	7.4
KGD (5%)	69.7	59.7	89.1	81.3
KGD (1%)	92.6	79.2	118.2	108.0
Versuchs-Streuung	42.8	36.7	54.7	49.9
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	202.3	195.2	140.4	252.4	185.3
Amaroc	211.2	220.2	140.3	232.2	206.3
KWS Robertino	207.8	244.5	148.0	248.5	196.7
LG 31245	219.6	234.9	146.6	255.4	217.8
LG 31272	212.4	239.2	159.6	242.4	202.1
P8086	218.7	247.5	152.9	275.4	209.4
Milandro	208.7	228.1	134.7	236.3	193.2
ES Traveler	216.6	234.2	144.1	278.3	202.3
Meluseen	200.2	229.6	135.8	223.9	203.2
Angeleen	221.5	243.5	128.6	288.8	221.3
KWS Adorado	220.3	239.0	133.7	281.6	201.1
Qualito	218.3	224.7	127.1	255.4	210.0
Fieldplayer	224.1	231.9	144.7	277.6	203.4
SA1641 (SY Opale)	219.8	236.2	149.6	256.2	204.2
EW3414	213.5	246.6	144.6	258.4	211.9
GL187009 (Pilgrim)	218.6	230.7	155.2	267.2	212.0
LZM272/30	218.1	218.0	155.8	272.9	200.8
EX3428	217.3	225.2	146.3	279.3	207.5
RH22008	217.3	248.4	142.2	252.2	224.1
P8317	227.1	250.9	163.6	289.0	210.7
1082B210-01	227.8	253.9	157.6	262.6	213.1
1092B839-01	215.4	229.6	131.6	276.5	188.8
P8902	217.7	231.4	145.1	269.7	185.1
KXC1323	221.2	243.7	152.9	227.3	197.3
KXC2321	233.1	240.7	159.8	271.4	206.3
KXC3123	215.5	244.4	147.5	252.2	195.2
KXC2122	219.1	243.1	157.9	243.9	211.9
SA1162	215.0	227.2	144.5	245.0	196.9
SB1422	218.6	255.8	155.2	242.7	213.1
Benedictio KWS	211.6	223.5	137.0	239.1	203.5
Micheleen	207.3	226.0	139.1	224.2	210.6
LG 32257	212.8	230.9	155.3	255.1	194.4
KWS Chiasso	210.7	223.2	151.0	250.9	180.7
KWS Gedeo	208.4	224.6	138.6	237.9	192.4
KWS Editio	212.1	211.1	147.7	262.2	196.0
KWS Odorico	201.5	209.9	124.3	247.2	204.8
-Bezugsgrösse(n)	210.5	221.4	146.7	263.9	197.3
Versuchs-Mittel	215.6	233.0	145.5	256.4	203.1
VK [%]	6.9	5.3	9.7	7.3	6.6
KGD (5%)	8.8	25.0	ns	37.8	21.7
KGD (1%)	11.5	33.5	ns	ns	ns
Versuchs-Streuung	14.8	12.3	14.1	18.6	13.3
FG Fehlerterm	486.0	35.0	69.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	39133.3	35	5.11 ***	1.45	0.0000
Anbauorte	889867.6	7	581.30 ***	2.03	0.0000
WW Verf.*Anb.Orte	90601.0	245	1.69 ***	1.20	0.0008
Fehler	106283.4	486			
Insgesamt	1125885.3	773			

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	5643	8046	8193	8566
	Alikon AG	Reckenholz ZH	Eglisau ZH	Ellighausen TG
SY Telias	215.1	239.3	177.5	213.0
Amaroc	212.0	241.0	195.1	242.2
KWS Robertino	183.4	236.0	174.7	230.6
LG 31245	210.2	232.5	210.4	249.1
LG 31272	191.3	237.3	191.9	235.4
P8086	204.3	229.0	185.0	246.3
Milandro	218.7	234.8	190.4	233.6
ES Traveler	185.8	248.7	183.6	256.1
Meluseen	139.6	230.6	198.3	241.0
Angeleen	212.2	246.5	193.8	236.8
KWS Adorado	216.5	236.7	206.0	248.3
Qualito	219.2	250.7	222.5	236.9
Fieldplayer	219.9	249.3	202.9	263.2
SA1641 (SY Opale)	215.9	254.5	207.2	234.7
EW3414	190.9	236.1	191.4	227.7
GL187009 (Pilgrim)	198.7	233.6	210.4	240.6
LZM272/30	198.2	249.4	201.3	248.1
EX3428	210.4	246.1	171.0	252.6
RH22008	178.8	241.1	197.2	254.3
P8317	211.4	252.9	189.3	249.0
1082B210-01	221.3	252.4	206.5	254.6
1092B839-01	221.9	250.3	193.3	231.1
P8902	213.9	254.3	196.9	245.4
KXC1323	224.5	254.2	211.4	257.9
KXC2321	228.5	258.8	230.9	268.2
KXC3123	199.6	237.2	197.6	250.2
KXC2122	201.6	249.7	206.4	238.2
SA1162	217.8	245.2	199.9	243.5
SB1422	215.5	222.6	201.8	241.9
Benedictio KWS	204.6	248.2	191.0	246.1
Micheleen	188.9	246.2	189.8	233.4
LG 32257	200.7	240.4	188.3	237.0
KWS Chiasso	192.0	240.3	206.3	241.3
KWS Gedeo	189.1	244.3	200.3	240.2
KWS Editio	202.8	231.1	204.2	241.6
KWS Odorico	184.5	225.5	173.5	242.3
-Bezugsgrösse(n)	209.7	234.1	181.3	229.6
Versuchs-Mittel	203.9	242.4	197.2	243.1
VK [%]	8.2	5.5	8.2	5.7
KGD (5%)	27.1	ns	26.3	22.6
KGD (1%)	36.0	ns	ns	ns
Versuchs-Streuung	16.7	13.4	16.1	13.9
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	38.0	41.2	36.9	37.5	36.3
Amaroc	39.5	46.1	45.3	30.6	38.5
KWS Robertino	38.4	46.5	42.6	36.2	35.9
LG 31245	38.6	44.6	42.5	34.8	36.6
LG 31272	37.1	42.1	40.4	31.1	34.3
P8086	40.1	43.7	43.2	38.6	37.6
Milandro	40.5	47.9	43.0	39.7	38.7
ES Traveler	36.2	44.4	37.6	35.9	33.9
Meluseen	38.6	45.4	40.7	33.5	37.7
Angeleen	39.1	46.9	39.5	39.3	37.4
KWS Adorado	40.7	43.7	45.0	38.5	39.0
Qualito	37.6	42.5	40.7	35.8	37.3
Fieldplayer	41.2	43.0	43.0	37.3	40.3
SA1641 (SY Opale)	37.9	44.7	40.6	34.6	36.7
EW3414	38.0	43.9	39.9	33.6	37.5
GL187009 (Pilgrim)	34.9	40.1	34.4	33.9	32.0
LZM272/30	40.4	48.8	43.5	40.0	38.0
EX3428	39.0	47.9	39.6	39.3	36.8
RH22008	37.5	42.8	39.7	34.0	38.4
P8317	37.2	42.3	39.7	36.5	35.7
1082B210-01	37.6	43.4	42.0	33.4	37.2
1092B839-01	32.6	39.0	34.2	31.3	29.3
P8902	34.2	39.6	35.5	31.8	31.6
KXC1323	36.4	43.4	39.3	30.1	34.7
KXC2321	38.1	47.0	41.4	34.7	37.9
KXC3123	41.6	46.0	47.6	36.7	40.2
KXC2122	38.5	41.0	44.2	39.2	35.5
SA1162	40.3	46.7	43.2	35.5	39.2
SB1422	38.9	43.7	41.5	32.9	37.9
Benedictio KWS	39.1	43.0	43.0	34.0	37.7
Micheleen	37.7	45.0	41.5	31.4	36.7
LG 32257	39.0	46.4	44.0	36.7	36.0
KWS Chiasso	41.4	45.1	47.7	36.0	40.2
KWS Gedeo	38.4	43.3	45.0	33.8	36.1
KWS Editio	36.6	41.1	40.7	36.1	33.8
KWS Odorico	39.4	43.4	44.0	34.8	38.0
-Bezugsgrösse(n)	39.0	42.4	40.0	38.1	37.0
Versuchs-Mittel	38.3	44.0	41.5	35.2	36.7
VK [%]	4.9	5.1	5.8	9.2	4.1
KGD (5%)	1.1	4.6	3.9	ns	2.5
KGD (1%)	1.5	6.2	5.2	ns	3.3
Versuchs-Streuung	1.9	2.3	2.4	3.2	1.5
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2905.0	35	23.39 ***	1.45	0.0000
Anbauorte	9550.4	7	384.47 ***	2.03	0.0000
WW Verf.*Anb.Orte	1908.0	245	2.19 ***	1.20	0.0002
Fehler	1728.2	487			
Insgesamt	16091.6	774			

Précocité [% MS] / Frühreife [% TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	37.1	44.1	33.7	37.3
Amaroc	39.3	42.6	36.4	37.5
KWS Robertino	34.9	42.6	33.5	34.7
LG 31245	34.7	44.1	33.6	37.8
LG 31272	38.8	43.7	32.2	34.5
P8086	39.3	45.4	34.9	37.7
Milandro	39.4	42.1	35.4	37.6
ES Traveler	34.3	39.8	31.7	32.3
Meluseen	36.3	42.1	34.1	39.0
Angeleen	35.2	44.9	34.2	35.8
KWS Adorado	39.1	45.1	35.9	39.3
Qualito	36.2	40.9	33.3	34.2
Fieldplayer	40.7	45.9	36.6	42.7
SA1641 (SY Opale)	35.9	42.7	32.9	35.1
EW3414	37.3	42.1	33.5	36.2
GL187009 (Pilgrim)	33.3	41.6	30.0	34.1
LZM272/30	39.5	42.7	34.2	36.6
EX3428	35.8	43.8	32.4	36.2
RH22008	36.9	40.2	34.4	33.5
P8317	35.6	39.7	34.1	34.4
1082B210-01	36.2	40.1	34.1	34.3
1092B839-01	31.1	38.6	28.1	29.5
P8902	33.2	39.0	29.5	33.3
KXC1323	35.0	40.5	33.1	35.0
KXC2321	35.3	41.5	32.8	33.9
KXC3123	40.7	45.4	36.6	39.2
KXC2122	37.4	42.1	33.7	35.2
SA1162	41.1	43.6	35.0	37.9
SB1422	39.3	42.8	34.7	38.1
Benedictio KWS	39.6	42.0	36.4	37.6
Micheleen	34.6	42.9	34.4	35.2
LG 32257	37.5	41.5	34.5	35.3
KWS Chiasso	39.7	43.3	36.7	42.6
KWS Gedeo	36.0	41.9	34.6	36.7
KWS Editio	34.7	39.5	32.7	34.4
KWS Odorico	42.6	40.6	34.7	37.4
-Bezugsgrösse(n)	38.2	44.7	34.3	37.5
Versuchs-Mittel	37.0	42.3	33.9	36.2
VK [%]	4.7	2.7	3.6	5.1
KGD (5%)	2.9	1.9	2.0	3.0
KGD (1%)	3.8	2.5	2.7	4.0
Versuchs-Streuung	1.8	1.1	1.2	1.8
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	144.6 --	142.5 -	105.7 -----	172.6 -----	133.5 ----
Amaroc	143.9 --	147.0 --	99.0 ---	145.1 ---	139.0 -----
KWS Robertino	144.2 --	166.4 -----	106.8 -----	163.2 -----	135.3 ----
LG 31245	151.8 ----	165.3 -----	105.9 -----	168.6 -----	151.0 -----
LG 31272	148.4 ----	166.4 -----	115.7 -----	162.6 ----	138.8 ----
P8086	151.9 ----	168.6 -----	108.4 -----	186.9 -----	147.6 -----
Milandro	145.8 ---	155.0 ----	102.0 ----	153.3 ----	136.5 ----
ES Traveler	150.1 ----	159.7 ----	107.1 ----	181.1 -----	137.3 ----
Meluseen	141.2 -	164.6 -----	104.9 -----	144.2 ---	140.7 -----
Angeleen	153.9 -----	165.3 -----	95.1 -	187.9 -----	152.6 -----
KWS Adorado	153.9 -----	167.7 -----	97.9 ---	194.3 -----	136.3 ----
Qualito	151.8 ----	155.2 ----	93.4 -	164.3 -----	141.3 -----
Fieldplayer	156.8 -----	159.2 ----	108.8 -----	187.2 -----	140.1 ----
SA1641 (SY Opale)	154.2 -----	160.9 ----	109.0 -----	169.8 -----	141.2 ----
EW3414	145.0 --	162.5 ----	104.1 ----	163.2 ----	147.8 -----
GL187009 (Pilgrim)	152.0 ----	164.5 -----	109.1 -----	178.7 -----	148.1 -----
LZM272/30	148.3 ----	148.5 --	114.1 -----	145.4 ---	140.1 ----
EX3428	151.2 ----	156.3 ----	106.1 ----	178.1 -----	146.4 -----
RH22008	145.6 ---	162.7 -----	100.1 ---	158.0 ----	149.5 -----
P8317	158.4 -----	177.1 -----	117.0 -----	187.8 -----	144.0 ----
1082B210-01	156.4 -----	175.7 -----	113.8 -----	161.4 ----	144.6 -----
1092B839-01	148.6 ----	159.1 ----	93.3 -	181.5 -----	124.4 -
P8902	150.7 ----	162.3 ----	104.6 ----	180.4 -----	127.3 --
KXC1323	151.1 ----	167.6 -----	110.0 -----	132.3 -	133.4 ----
KXC2321	163.7 -----	170.0 -----	114.4 -----	185.3 -----	143.0 ----
KXC3123	150.1 ----	178.0 -----	104.7 ----	162.4 ----	135.3 ----
KXC2122	149.1 ----	168.0 -----	113.2 -----	152.2 ----	142.6 -----
SA1162	149.6 ----	156.8 ----	107.3 -----	157.9 ----	137.1 ----
SB1422	153.7 -----	183.3 -----	114.6 -----	151.2 ----	151.1 -----
Benedictio KWS	150.3 ----	163.9 -----	101.2 ----	152.4 ----	144.5 -----
Micheleen	142.1 -	154.2 ---	97.6 --	136.5 -	147.1 -----
LG 32257	148.3 ----	155.5 ----	116.0 -----	161.5 ----	137.9 ----
KWS Chiasso	150.0 ----	164.1 -----	112.3 -----	163.2 -----	129.7 --
KWS Gedeo	147.2 ---	160.5 ----	101.7 ---	149.4 ---	135.8 ----
KWS Editio	150.9 ----	150.9 ---	111.7 -----	179.5 -----	137.9 ----
KWS Odorico	143.5 --	147.2 --	94.6 -	172.0 -----	147.8 -----
-Bezugsgrösse(n)	148.2 ----	155.5 ----	107.0 -----	179.7 -----	140.6 -----
Versuchs-Mittel	150.0 ----	162.0 ----	106.1 ----	165.9 ----	140.7 ----
VK [%]	7.8	6.4	10.6	11.0	7.5
KGD (5%)	7.0	ns	ns	ns	ns
KGD (1%)	9.2	ns	ns	ns	ns
Versuchs-Streuung	11.7	10.4	11.2	18.2	10.5
FG Fehlerterm	486.0	35.0	69.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17314.1	35	3.59 ***	1.45	0.0001
Anbauorte	353991.3	7	367.06 ***	2.03	0.0000
WW Verf.*Anb.Orte	58902.8	245	1.75 ***	1.20	0.0007
Fehler	66957.3	486			
Insgesamt	497165.5	773			

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	154.9	167.9	123.9	155.8
Amaroc	150.0	165.5	135.2	170.1
KWS Robertino	131.8	165.9	121.9	162.7
LG 31245	147.6	156.3	143.2	176.9
LG 31272	138.4	163.4	133.9	167.8
P8086	144.6	158.6	125.9	174.3
Milandro	155.0	164.1	135.0	165.4
ES Traveler	131.8	173.5	127.1	183.2
Meluseen	102.2	161.9	139.4	172.0
Angeleen	151.7	171.4	137.7	169.8
KWS Adorado	155.5	165.4	142.4	171.9
Qualito	158.1	183.4	152.3	166.0
Fieldplayer	154.6	185.0	140.3	179.0
SA1641 (SY Opale)	155.3	182.6	148.6	166.2
EW3414	132.9	163.8	129.8	156.0
GL187009 (Pilgrim)	139.8	166.6	144.6	164.3
LZM272/30	141.7	180.4	142.8	173.5
EX3428	148.4	178.7	119.6	176.3
RH22008	119.0	165.2	135.7	174.4
P8317	149.7	184.0	130.5	177.6
1082B210-01	156.6	180.6	139.9	178.3
1092B839-01	156.3	180.1	130.2	163.7
P8902	144.7	181.2	133.1	172.4
KXC1323	155.5	180.3	143.6	186.1
KXC2321	159.2	189.7	157.9	189.9
KXC3123	137.5	167.0	137.9	178.0
KXC2122	138.6	174.6	138.8	165.1
SA1162	149.2	176.7	139.2	172.5
SB1422	147.6	163.2	148.3	170.0
Benedictio KWS	146.9	177.7	138.3	177.7
Micheleen	128.3	175.6	134.8	162.6
LG 32257	141.3	169.5	135.1	169.3
KWS Chiasso	132.2	173.5	152.1	173.0
KWS Gedeo	130.7	182.9	144.7	172.0
KWS Editio	142.2	168.7	146.1	170.2
KWS Odorico	126.9	163.4	123.2	173.1
-Bezugsgrösse(n)	149.8	163.3	124.9	165.0
Versuchs-Mittel	143.2	172.5	137.6	171.6
VK [%]	8.7	6.1	8.6	6.0
KGD (5%)	20.3	17.1	19.3	ns
KGD (1%)	27.0	22.8	ns	ns
Versuchs-Streuung	12.5	10.5	11.8	10.3
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	80.1	80.6	58.1	97.4	75.1
Amaroc	73.3	74.7	51.9	60.7	72.4
KWS Robertino	74.2	90.8	53.5	79.8	74.2
LG 31245	77.8	94.1	54.9	74.5	81.7
LG 31272	77.8	94.0	58.6	81.5	71.0
P8086	74.7	77.7	50.0	89.1	75.6
Milandro	76.0	86.0	55.4	68.8	75.9
ES Traveler	77.3	84.2	57.2	84.6	72.7
Meluseen	73.2	92.4	60.5	67.2	73.2
Angeleen	79.9	89.4	47.4	94.8	81.9
KWS Adorado	82.0	90.7	53.7	104.3	74.6
Qualito	79.9	85.9	47.9	78.7	75.8
Fieldplayer	81.4	85.7	59.1	96.4	78.5
SA1641 (SY Opale)	78.3	82.3	56.1	86.5	71.6
EW3414	72.3	78.5	50.9	79.9	77.0
GL187009 (Pilgrim)	79.7	89.7	49.5	96.6	72.9
LZM272/30	72.2	69.1	56.8	57.3	71.4
EX3428	74.6	82.4	50.9	77.5	77.0
RH22008	75.3	86.7	51.0	76.8	82.9
P8317	78.9	90.8	56.1	88.6	74.7
1082B210-01	78.6	92.9	58.3	71.4	75.8
1092B839-01	78.0	86.2	43.4	97.7	61.3
P8902	77.4	90.8	53.5	94.4	62.1
KXC1323	78.2	91.3	58.4	58.9	71.4
KXC2321	86.1	92.6	58.2	94.1	78.7
KXC3123	80.5	102.3	55.7	77.7	75.7
KXC2122	77.4	89.5	61.5	73.5	76.3
SA1162	77.3	84.3	58.4	73.7	72.2
SB1422	78.5	94.4	59.7	57.6	77.8
Benedictio KWS	78.1	91.5	54.9	63.5	78.9
Micheleen	71.0	82.2	47.0	51.4	76.5
LG 32257	78.0	81.4	63.4	79.0	75.0
KWS Chiasso	80.1	93.2	61.0	76.2	71.2
KWS Gedeo	76.4	87.5	53.2	62.1	73.4
KWS Editio	82.1	80.5	62.1	91.6	74.5
KWS Odorico	77.1	79.7	54.9	85.9	86.0
-Bezugsgrösse(n)	77.4	79.1	54.0	93.3	75.4
Versuchs-Mittel	77.6	86.8	55.1	79.2	74.9
VK [%]	11.1	10.0	15.4	19.5	10.4
KGD (5%)	5.1	ns	ns	ns	ns
KGD (1%)	6.7	ns	ns	ns	ns
Versuchs-Streuung	8.6	8.7	8.5	15.4	7.8
FG Fehlerterm	486.0	35.0	69.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7593.0	35	2.91 ***	1.45	0.0002
Anbauorte	100898.7	7	193.45 ***	2.03	0.0000
WW Verf.*Anb.Orte	36200.2	245	1.98 ***	1.20	0.0004
Fehler	36211.6	486			
Insgesamt	180903.4	773			

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	89.9	90.4	62.4	86.9
Amaroc	84.3	84.0	67.5	91.0
KWS Robertino	73.3	81.2	56.8	83.6
LG 31245	78.6	77.3	69.4	91.6
LG 31272	77.2	91.6	65.2	83.0
P8086	79.3	78.3	60.2	87.6
Milandro	82.9	82.8	69.0	86.9
ES Traveler	70.7	90.7	63.3	94.7
Meluseen	53.2	86.3	67.3	85.4
Angeleen	82.6	87.7	68.2	87.4
KWS Adorado	88.1	88.9	69.7	86.3
Qualito	89.6	104.6	74.3	82.6
Fieldplayer	77.8	103.8	61.4	88.3
SA1641 (SY Opale)	81.9	94.9	70.6	82.7
EW3414	72.1	81.7	63.6	74.3
GL187009 (Pilgrim)	80.2	89.7	68.6	90.4
LZM272/30	77.2	94.1	70.8	80.8
EX3428	78.2	93.4	52.5	85.3
RH22008	59.4	85.4	66.7	93.1
P8317	74.2	96.7	64.2	85.5
1082B210-01	79.3	95.5	66.6	88.6
1092B839-01	86.3	99.5	64.6	85.3
P8902	77.0	94.5	60.4	86.8
KXC1323	81.0	98.1	70.4	95.9
KXC2321	85.2	105.8	76.3	97.8
KXC3123	71.3	90.5	75.0	95.8
KXC2122	72.6	95.5	67.7	82.4
SA1162	75.7	95.8	67.3	91.1
SB1422	77.4	93.3	77.4	90.2
Benedictio KWS	74.7	96.1	72.5	93.0
Micheleen	61.2	98.1	68.4	83.2
LG 32257	77.9	90.6	70.1	86.5
KWS Chiasso	67.6	95.4	81.2	95.1
KWS Gedeo	65.2	103.1	74.8	92.2
KWS Editio	79.0	98.0	79.7	91.2
KWS Odorico	67.6	88.5	65.4	88.6
-Bezugsgrösse(n)	84.6	84.3	61.3	87.2
Versuchs-Mittel	76.4	92.3	68.0	88.1
VK [%]	10.6	7.9	11.4	8.7
KGD (5%)	13.1	11.9	12.7	ns
KGD (1%)	17.4	15.8	ns	ns
Versuchs-Streuung	8.1	7.3	7.8	7.6
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	717.2	730.2	750.4	683.6	720.8
Amaroc	682.4	666.2	705.2	624.9	674.1
KWS Robertino	695.6	680.5	720.6	656.3	687.7
LG 31245	692.9	704.0	723.2	658.1	693.1
LG 31272	700.2	695.5	724.3	670.6	687.6
P8086	695.4	681.3	709.2	678.5	705.2
Milandro	701.8	679.3	756.7	649.6	706.4
ES Traveler	695.5	681.9	742.0	651.0	675.6
Meluseen	709.2	716.6	772.4	644.3	692.5
Angeleen	699.4	678.7	739.3	650.3	689.4
KWS Adorado	700.0	701.1	732.0	688.9	677.1
Qualito	697.4	690.9	734.9	642.9	672.2
Fieldplayer	702.4	687.1	751.9	674.9	688.4
SA1641 (SY Opale)	703.3	681.3	727.6	663.6	691.4
EW3414	681.6	658.4	719.7	624.4	697.7
GL187009 (Pilgrim)	696.2	711.3	703.0	668.4	698.7
LZM272/30	686.4	681.4	732.8	532.6	697.4
EX3428	698.8	693.5	725.2	638.0	705.2
RH22008	671.9	655.1	703.7	624.4	667.0
P8317	698.9	706.1	714.8	649.8	682.0
1082B210-01	688.3	691.2	721.4	614.6	678.1
1092B839-01	690.4	693.2	709.5	656.3	659.2
P8902	693.0	699.9	720.3	668.9	687.5
KXC1323	683.1	687.8	719.7	575.4	677.5
KXC2321	702.2	706.6	716.0	682.9	691.8
KXC3123	696.9	728.4	709.4	643.7	693.2
KXC2122	681.7	691.4	713.1	624.1	672.4
SA1162	697.7	689.6	742.9	642.2	696.5
SB1422	705.2	716.4	739.1	623.0	709.0
Benedictio KWS	712.4	734.6	739.2	636.4	709.5
Micheleen	686.2	682.5	702.0	604.4	698.6
LG 32257	700.6	673.6	747.3	632.7	709.4
KWS Chiasso	713.8	735.0	742.7	650.3	717.5
KWS Gedeo	707.3	714.7	730.5	627.1	706.5
KWS Editio	713.8	715.9	755.5	684.8	703.3
KWS Odorico	714.6	701.3	760.8	694.9	722.4
-Bezugsgrösse(n)	706.3	705.7	729.8	681.1	713.0
Versuchs-Mittel	697.6	695.6	729.4	645.4	692.8
VK [%]	2.8	3.1	2.4	5.5	2.6
KGD (5%)	11.4	ns	28.9	ns	29.9
KGD (1%)	15.0	ns	38.3	ns	39.6
Versuchs-Streuung	19.3	21.5	17.7	35.2	18.3
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	85558.4	35	6.58 ***	1.45	0.0000
Anbauorte	399510.7	7	153.54 ***	2.03	0.0000
WW Verf.*Anb.Orte	197981.3	245	2.17 ***	1.20	0.0002
Fehler	181023.1	487			
Insgesamt	864073.5	774			

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	5643	8046	8193	8566
	Alikon AG	Reckenholz ZH	Eglisau ZH	Ellighausen TG
SY Telias	720.3	701.6	698.7	731.8
Amaroc	707.4	686.6	692.9	702.2
KWS Robertino	716.9	702.0	695.9	705.0
LG 31245	701.9	672.2	680.7	709.9
LG 31272	724.5	689.1	697.9	712.4
P8086	707.9	692.8	680.7	707.4
Milandro	708.5	699.0	707.1	707.7
ES Traveler	709.0	697.6	691.8	715.4
Meluseen	729.9	702.2	701.8	713.6
Angeleen	714.4	695.0	711.5	716.8
KWS Adorado	718.3	698.7	692.2	691.8
Qualito	721.1	731.8	684.2	701.2
Fieldplayer	702.7	742.2	691.4	680.9
SA1641 (SY Opale)	719.1	718.3	717.4	707.9
EW3414	695.3	693.5	678.0	685.5
GL187009 (Pilgrim)	703.2	712.9	687.0	685.3
LZM272/30	714.9	722.3	710.1	699.5
EX3428	705.6	726.2	699.3	697.9
RH22008	665.3	685.2	688.5	686.1
P8317	707.9	727.5	689.4	713.4
1082B210-01	707.8	715.5	677.3	700.3
1092B839-01	703.8	719.2	673.4	708.3
P8902	676.8	712.2	675.8	702.7
KXC1323	693.8	709.9	679.3	721.2
KXC2321	695.7	732.8	683.9	708.3
KXC3123	689.3	703.1	697.2	711.2
KXC2122	688.0	699.3	672.6	693.1
SA1162	683.9	721.4	696.6	708.4
SB1422	685.0	731.8	735.0	702.7
Benedictio KWS	718.1	716.0	723.2	722.0
Micheleen	678.8	713.2	711.6	698.4
LG 32257	704.6	704.5	718.3	714.4
KWS Chiasso	688.7	721.9	737.6	716.7
KWS Gedeo	691.4	748.9	722.3	716.7
KWS Editio	701.6	730.0	715.2	704.4
KWS Odorico	687.1	724.8	710.8	714.7
-Bezugsgrösse(n)	714.1	697.2	689.7	719.6
Versuchs-Mittel	702.5	711.1	698.0	706.0
VK [%]	2.4	1.9	2.5	2.7
KGD (5%)	27.0	22.1	27.9	ns
KGD (1%)	35.8	29.4	37.1	ns
Versuchs-Streuung	16.5	13.6	17.1	19.3
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	392.1	411.3	378.3	385.6	405.4
Amaroc	348.5	337.9	370.0	261.2	351.5
KWS Robertino	356.7	371.6	360.3	320.7	377.2
LG 31245	355.1	400.4	375.3	287.0	374.5
LG 31272	366.7	393.2	367.3	335.9	351.6
P8086	342.0	313.9	327.8	323.7	361.3
Milandro	366.2	376.8	403.9	294.1	393.1
ES Traveler	359.1	359.2	394.5	304.8	356.4
Meluseen	369.2	402.1	443.6	300.7	359.8
Angeleen	361.6	367.0	364.1	327.9	370.2
KWS Adorado	373.4	379.0	401.8	368.8	369.3
Qualito	367.0	382.5	376.8	307.3	360.7
Fieldplayer	365.0	370.9	409.0	346.8	385.7
SA1641 (SY Opale)	357.8	348.5	375.2	339.2	350.4
EW3414	338.8	317.5	350.0	298.2	363.4
GL187009 (Pilgrim)	362.6	386.9	319.1	360.8	344.1
LZM272/30	335.9	316.9	365.6	209.8	355.0
EX3428	344.6	365.6	347.4	277.3	370.8
RH22008	346.4	349.1	358.8	303.5	370.1
P8317	347.4	362.1	343.0	306.4	352.6
1082B210-01	346.0	365.0	369.4	272.0	354.8
1092B839-01	359.2	375.8	331.0	353.2	325.1
P8902	354.4	389.9	366.9	350.2	335.7
KXC1323	352.9	374.9	382.1	252.7	362.5
KXC2321	369.0	384.9	364.5	346.6	379.6
KXC3123	374.0	418.7	377.9	308.2	387.6
KXC2122	354.3	369.0	386.7	301.3	359.3
SA1162	361.1	370.3	405.0	298.2	366.5
SB1422	361.3	368.7	387.6	237.1	365.2
Benedictio KWS	371.8	411.6	401.7	264.5	386.8
Micheleen	339.7	363.8	334.1	220.7	362.9
LG 32257	369.7	352.6	408.4	308.8	386.1
KWS Chiasso	381.7	417.6	402.0	303.7	393.7
KWS Gedeo	367.0	389.4	379.9	260.3	382.1
KWS Editio	388.8	382.5	418.4	349.1	379.7
KWS Odorico	386.5	379.6	439.8	347.0	421.2
-Bezugsgrösse(n)	367.1	362.6	353.0	354.6	383.4
Versuchs-Mittel	360.9	372.9	377.4	306.5	368.7
VK [%]	7.5	7.5	9.4	15.4	6.5
KGD (5%)	16.0	ns	57.8	ns	39.0
KGD (1%)	21.1	ns	76.7	ns	ns
Versuchs-Streuung	27.1	28.0	35.5	47.0	23.9
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	150124.6	35	5.86 ***	1.45	0.0000
Anbauorte	422078.9	7	82.40 ***	2.03	0.0000
WW Verf.*Anb.Orte	382031.4	245	2.13 ***	1.20	0.0003
Fehler	356387.9	487			
Insgesamt	1310622.8	774			

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	5643	8046	8193	8566
	Alikon AG	Reckenholz ZH	Eglisau ZH	Ellighausen TG
SY Telias	418.7	378.1	352.2	407.5
Amaroc	397.2	348.9	346.0	375.6
KWS Robertino	398.0	342.9	320.7	362.1
LG 31245	373.8	332.5	330.1	367.1
LG 31272	405.4	386.7	341.3	352.0
P8086	387.4	342.0	324.7	355.6
Milandro	378.2	352.6	360.2	370.8
ES Traveler	380.9	364.4	343.5	369.3
Meluseen	378.6	374.6	340.0	353.9
Angeleen	388.8	355.4	351.1	368.4
KWS Adorado	406.9	375.6	339.1	347.1
Qualito	408.7	417.5	333.8	348.6
Fieldplayer	352.9	416.7	301.9	336.3
SA1641 (SY Opale)	379.8	375.5	341.0	352.5
EW3414	376.9	345.9	331.8	326.8
GL187009 (Pilgrim)	402.5	384.4	325.7	377.0
LZM272/30	389.6	375.5	349.5	325.6
EX3428	371.8	379.3	306.9	337.5
RH22008	332.0	354.2	338.3	365.3
P8317	350.4	382.0	339.5	343.5
1082B210-01	358.4	378.4	322.0	348.1
1092B839-01	388.0	397.1	334.2	368.9
P8902	361.0	370.9	306.9	353.5
KXC1323	360.6	386.5	332.9	371.3
KXC2321	372.6	408.8	330.4	364.5
KXC3123	357.0	380.2	379.5	383.1
KXC2122	360.3	383.5	328.5	345.9
SA1162	346.7	392.1	336.4	373.8
SB1422	359.0	417.3	382.3	372.9
Benedictio KWS	365.3	387.4	379.0	378.2
Micheleen	324.0	398.4	358.2	355.1
LG 32257	388.6	376.2	372.3	364.9
KWS Chiasso	352.7	396.4	393.9	393.7
KWS Gedeo	344.8	422.5	373.1	383.8
KWS Editio	389.2	424.1	389.8	377.5
KWS Odorico	365.5	392.7	377.5	368.8
-Bezugsgrösse(n)	403.1	360.1	338.5	381.6
Versuchs-Mittel	374.2	380.5	344.8	362.4
VK [%]	5.6	5.7	6.2	6.0
KGD (5%)	34.0	35.4	34.7	35.3
KGD (1%)	45.2	47.0	46.0	46.9
Versuchs-Streuung	20.9	21.7	21.3	21.7
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	183.7 -	162.5 -	167.1 ----	205.9 -	189.8 ---
Amaroc	203.6 -----	205.6 -----	189.8 -----	244.3 ----	216.8 -----
KWS Robertino	195.5 ----	192.3 ----	184.9 ----	225.1 ---	201.0 ----
LG 31245	201.3 -----	178.7 ---	185.9 -----	229.3 ---	205.5 -----
LG 31272	195.4 ----	183.4 ----	187.8 -----	215.3 --	212.8 -----
P8086	201.8 -----	197.8 -----	201.1 -----	220.9 ---	201.7 -----
Milandro	193.4 ----	189.4 ----	163.1 ----	230.8 ----	192.9 ---
ES Traveler	202.8 -----	207.1 -----	171.9 ----	237.7 ----	218.9 -----
Meluseen	193.7 ----	184.5 ----	145.8 -	235.7 ----	210.0 -----
Angeleen	200.1 -----	201.0 -----	179.8 -----	236.8 ----	210.4 -----
KWS Adorado	191.7 ----	183.2 ----	172.6 ----	201.7 -	205.8 -----
Qualito	193.9 ----	195.1 -----	174.1 -----	228.3 ---	211.5 -----
Fieldplayer	194.8 ----	202.1 -----	163.7 ----	200.5 -	203.2 -----
SA1641 (SY Opale)	198.0 -----	213.8 -----	180.9 -----	217.0 --	210.6 -----
EW3414	213.8 -----	226.9 -----	194.1 -----	251.6 -----	203.6 -----
GL187009 (Pilgrim)	200.4 -----	184.1 ----	200.1 -----	218.7 --	206.2 -----
LZM272/30	210.6 -----	215.1 -----	190.1 -----	301.9 -----	204.7 -----
EX3428	199.2 -----	195.9 ----	189.0 -----	243.6 ----	194.3 ----
RH22008	212.0 -----	216.6 -----	197.9 -----	242.4 ----	215.7 -----
P8317	198.2 -----	187.1 ----	195.0 -----	230.7 ----	208.8 -----
1082B210-01	203.9 -----	198.1 -----	186.4 -----	254.3 -----	208.7 -----
1092B839-01	197.1 ----	188.8 ----	197.8 -----	218.4 --	221.3 -----
P8902	196.6 ----	183.5 ----	183.9 -----	213.9 --	209.9 -----
KXC1323	203.6 -----	198.0 -----	184.6 -----	274.9 -----	210.2 -----
KXC2321	193.3 ---	189.3 ----	188.6 -----	213.6 --	200.9 ----
KXC3123	192.6 ----	169.0 --	188.4 -----	231.5 ----	194.0 ----
KXC2122	202.8 -----	192.2 ----	187.1 -----	244.3 ----	211.1 -----
SA1162	198.7 -----	204.5 -----	171.7 ----	235.4 ----	203.4 -----
SB1422	189.4 ---	185.5 ----	169.4 ----	251.1 -----	191.0 ---
Benedictio KWS	184.9 --	165.6 -	167.7 ----	234.1 ----	192.7 ---
Micheleen	205.9 -----	205.8 -----	202.9 -----	260.2 -----	207.7 -----
LG 32257	196.3 ----	211.8 -----	168.6 ----	240.6 ----	202.5 -----
KWS Chiasso	181.6 -	164.3 -	172.5 ----	227.5 ---	186.8 --
KWS Gedeo	188.7 ---	182.2 ----	179.9 -----	241.7 ----	193.8 ----
KWS Editio	185.4 --	181.5 ----	158.9 ---	209.5 --	201.9 -----
KWS Odorico	181.6 -	189.3 ----	147.5 -	199.3 -	181.7 -
-Bezugsgrösse(n)	192.8 ----	180.1 ---	184.1 -----	213.4 --	195.7 ----
Versuchs-Mittel	196.8 -----	192.5 -----	180.3 -----	232.4 ----	203.9 -----
VK [%]	6.9	8.4	7.7	9.7	6.3
KGD (5%)	8.1	ns	22.6	ns	ns
KGD (1%)	10.6	ns	30.0	ns	ns
Versuchs-Streuung	13.6	16.2	13.9	22.4	12.9
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	48735.2	35	7.52 ***	1.45	0.0000
Anbauorte	173659.1	7	133.93 ***	2.03	0.0000
WW Verf.*Anb.Orte	100593.7	245	2.22 ***	1.20	0.0002
Fehler	90206.1	487			
Insgesamt	413194.2	774			

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	5643		8046		8193		8566	
	Alikon AG		Reckenholz ZH		Eglisau ZH		Ellighausen TG	
SY Telias	172.8	--	199.6	-----	196.6	-----	175.2	--
Amaroc	176.1	--	206.5	-----	198.8	-----	190.8	----
KWS Robertino	172.1	-	200.7	-----	197.6	-----	190.4	----
LG 31245	187.8	----	221.9	-----	211.2	-----	189.8	----
LG 31272	168.7	-	202.7	-----	198.8	-----	193.5	----
P8086	182.7	----	206.2	-----	208.6	-----	195.8	-----
Milandro	185.4	----	202.9	-----	192.5	-----	190.5	----
ES Traveler	187.5	-----	206.2	-----	200.2	-----	192.7	----
Meluseen	175.8	--	203.5	-----	196.0	-----	198.1	-----
Angeleen	184.3	----	211.0	-----	189.2	-----	188.7	----
KWS Adorado	175.4	--	194.8	-----	196.5	-----	203.8	-----
Qualito	170.8	-	174.2	---	199.2	-----	198.1	-----
Fieldplayer	194.6	-----	173.0	--	207.1	-----	214.3	-----
SA1641 (SY Opale)	181.4	----	191.0	----	190.3	-----	199.0	-----
EW3414	194.5	-----	213.4	-----	212.5	-----	214.2	-----
GL187009 (Pilgrim)	180.4	---	191.1	----	204.2	-----	218.1	-----
LZM272/30	181.6	----	189.4	----	195.3	-----	206.9	-----
EX3428	183.7	----	186.6	----	204.9	-----	195.3	-----
RH22008	212.2	-----	209.4	-----	204.8	-----	197.3	-----
P8317	189.5	----	183.5	----	200.4	-----	190.6	----
1082B210-01	188.0	----	190.0	----	209.5	-----	196.3	-----
1092B839-01	184.0	----	181.0	----	203.8	-----	181.5	---
P8902	199.9	-----	188.8	----	205.9	-----	186.8	----
KXC1323	192.8	-----	186.9	----	203.7	-----	177.9	--
KXC2321	193.3	-----	175.2	---	201.4	-----	183.9	---
KXC3123	198.6	-----	192.0	-----	186.4	-----	181.1	---
KXC2122	198.7	-----	193.9	-----	204.3	-----	191.0	----
SA1162	205.0	-----	185.9	----	199.3	-----	184.1	---
SB1422	197.6	-----	164.7	-	167.7	--	188.5	----
Benedictio KWS	182.2	----	184.5	----	173.9	---	178.5	--
Micheleen	207.9	-----	184.8	----	186.4	-----	191.9	-----
LG 32257	185.8	-----	194.3	-----	183.5	-----	183.7	---
KWS Chiasso	196.1	-----	174.4	---	161.0	-	170.4	-
KWS Gedeo	198.8	-----	162.8	-	178.3	----	171.9	-
KWS Editio	189.1	----	173.9	--	179.3	----	188.8	----
KWS Odorico	196.1	-----	177.6	---	177.2	----	183.8	---
-Bezugsgrösse(n)	177.7	---	202.9	-----	202.6	-----	185.5	----
Versuchs-Mittel	188.1	----	191.1	----	195.2	-----	191.2	----
VK [%]	5.6		5.5		5.5		7.9	
KGD (5%)	17.1		17.0		17.5		ns	
KGD (1%)	22.7		22.6		23.3		ns	
Versuchs-Streuung	10.5		10.5		10.8		15.1	
FG Fehlerterm	70.0		70.0		70.0		69.0	
Anz. Beob.	3.0		3.0		3.0		3.0	

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	400.2 -	382.3 -	372.6 ---	423.8 -	410.5 ---
Amaroc	442.8 -----	465.9 -----	437.6 -----	486.7 ---	452.5 -----
KWS Robertino	427.0 ----	441.9 -----	420.2 -----	462.8 ---	431.5 ----
LG 31245	435.3 -----	421.5 ----	418.6 -----	462.0 ---	430.5 ----
LG 31272	429.4 ----	428.3 ----	421.6 -----	437.5 --	447.8 -----
P8086	442.3 -----	449.7 -----	447.7 -----	452.0 --	432.8 -----
Milandro	425.7 ----	441.6 -----	379.1 ----	472.6 ---	418.4 ----
ES Traveler	429.1 ----	443.2 -----	382.3 ----	473.2 ---	455.8 -----
Meluseen	422.7 ----	416.4 ----	350.9 -	479.7 ----	449.1 -----
Angeleen	433.9 -----	462.0 -----	406.9 -----	479.4 ----	442.8 -----
KWS Adorado	422.4 ----	420.9 ----	403.7 -----	415.1 -	443.9 -----
Qualito	425.0 ----	432.0 -----	401.6 -----	470.9 ---	453.5 -----
Fieldplayer	418.3 ---	435.9 -----	368.9 --	423.5 -	431.4 ----
SA1641 (SY Opale)	432.0 -----	465.6 -----	412.6 -----	452.4 --	453.9 -----
EW3414	458.6 -----	482.2 -----	436.0 -----	513.1 -----	441.5 -----
GL187009 (Pilgrim)	425.8 ----	405.4 ---	434.6 -----	447.3 --	437.8 -----
LZM272/30	457.2 -----	466.2 -----	419.3 -----	621.3 -----	444.8 -----
EX3428	442.4 -----	440.7 ----	430.7 -----	511.6 ----	433.7 ----
RH22008	464.8 -----	481.0 -----	444.8 -----	502.0 ----	474.2 -----
P8317	435.9 ----	417.4 ----	434.2 -----	485.5 ----	456.1 -----
1082B210-01	445.1 -----	443.6 -----	419.6 -----	512.5 ----	452.7 -----
1092B839-01	436.0 ----	435.8 ----	435.2 -----	455.2 ---	474.6 -----
P8902	434.9 ----	421.1 ----	416.3 -----	445.3 --	452.2 -----
KXC1323	436.8 ----	433.5 -----	409.9 -----	523.0 -----	449.8 -----
KXC2321	424.2 ----	426.8 ----	427.8 -----	431.1 -	434.7 ----
KXC3123	426.9 ----	389.4 -	428.2 -----	480.8 ----	423.1 ----
KXC2122	441.8 -----	426.4 ----	416.7 -----	502.2 ----	450.2 -----
SA1162	444.9 -----	457.4 -----	401.5 -----	504.0 ----	447.0 -----
SB1422	431.7 ----	425.5 ----	404.2 ----	525.4 -----	424.8 ----
Benedictio KWS	411.7 --	387.0 -	392.6 ----	488.5 ----	412.5 ---
Micheleen	442.2 -----	444.3 -----	444.2 -----	517.4 -----	431.8 -----
LG 32257	428.9 ----	457.9 -----	390.7 ----	496.6 ----	428.5 ----
KWS Chiasso	404.6 -	382.5 -	395.7 ----	462.3 ---	407.3 ---
KWS Gedeo	417.1 ---	408.3 ---	418.2 -----	494.4 ----	416.7 ----
KWS Editio	407.3 --	407.8 ---	366.1 --	433.8 --	422.5 ----
KWS Odorico	405.7 -	424.0 ----	355.7 -	427.2 -	390.5 -
-Bezugsgrösse(n)	421.2 ----	416.0 ----	410.2 -----	437.9 --	421.7 ----
Versuchs-Mittel	430.8 -----	432.5 -----	409.6 -----	477.0 ----	437.8 -----
VK [%]	5.5	6.1	6.4	8.4	5.0
KGD (5%)	14.0	53.3	42.8	81.0	35.9
KGD (1%)	18.5	ns	56.9	ns	47.7
Versuchs-Streuung	23.7	26.3	26.3	39.8	22.0
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	168157.2	35	8.57 ***	1.45	0.0000
Anbauorte	325324.7	7	82.90 ***	2.03	0.0000
WW Verf.*Anb.Orte	313923.7	245	2.29 ***	1.20	0.0002
Fehler	273018.8	487			
Insgesamt	1080424.4	774			

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	5643		8046		8193		8566	
	Alikon AG		Reckenholz ZH		Eglisau ZH		Ellighausen TG	
SY Telias	388.9	-	412.5	-----	430.9	-----	379.9	-
Amaroc	410.8	---	433.6	-----	435.2	-----	420.2	-----
KWS Robertino	396.7	--	420.4	-----	432.4	-----	410.2	---
LG 31245	422.8	----	460.0	-----	459.6	-----	407.9	---
LG 31272	396.0	-	435.4	-----	443.9	-----	424.6	-----
P8086	425.9	----	437.3	-----	465.8	-----	427.1	-----
Milandro	424.5	----	427.6	-----	429.9	-----	412.1	----
ES Traveler	410.8	---	428.2	-----	438.7	-----	400.4	---
Meluseen	397.9	--	428.6	-----	437.9	-----	421.5	-----
Angeleen	411.0	---	436.6	-----	425.6	-----	406.9	----
KWS Adorado	398.8	--	422.1	-----	440.5	-----	434.6	-----
Qualito	394.7	-	376.1	--	448.5	-----	422.5	-----
Fieldplayer	427.4	----	364.0	-	445.1	-----	450.0	-----
SA1641 (SY Opale)	412.1	---	410.4	-----	418.9	----	429.9	-----
EW3414	443.6	-----	436.8	-----	460.2	-----	455.6	-----
GL187009 (Pilgrim)	415.0	----	401.1	----	443.6	-----	421.6	-----
LZM272/30	417.5	----	400.2	----	430.3	-----	457.7	-----
EX3428	429.2	----	400.1	----	450.3	-----	443.1	-----
RH22008	472.5	-----	441.9	-----	452.2	-----	449.6	-----
P8317	425.0	----	391.3	----	450.4	-----	427.5	-----
1082B210-01	426.7	----	403.4	----	463.9	-----	438.6	-----
1092B839-01	419.6	----	391.4	----	457.0	-----	419.2	-----
P8902	452.2	-----	404.8	----	461.7	-----	425.7	-----
KXC1323	427.8	----	401.9	----	452.5	-----	395.7	---
KXC2321	431.4	-----	380.2	---	448.6	-----	413.2	----
KXC3123	435.3	-----	415.5	-----	430.4	-----	412.4	----
KXC2122	436.3	-----	416.7	-----	454.0	-----	431.9	-----
SA1162	462.7	-----	405.1	----	450.1	-----	431.5	-----
SB1422	459.6	-----	384.1	---	393.8	---	436.1	-----
Benedictio KWS	407.8	---	403.3	----	401.3	---	400.9	---
Micheleen	460.3	-----	395.3	----	414.9	----	429.5	-----
LG 32257	424.1	----	417.3	-----	408.7	----	407.2	----
KWS Chiasso	435.6	-----	383.5	---	375.8	-	394.4	--
KWS Gedeo	442.2	-----	359.3	-	401.2	---	396.8	---
KWS Editio	421.3	----	381.6	---	405.9	----	419.1	-----
KWS Odorico	439.1	-----	389.1	----	410.0	----	409.7	----
-Bezugsgrösse(n)	407.4	---	424.9	-----	448.3	-----	403.5	----
Versuchs-Mittel	425.1	----	408.2	----	435.3	-----	421.2	-----
VK [%]	4.8		4.6		4.6		5.2	
KGD (5%)	33.0		30.5		32.7		35.4	
KGD (1%)	43.8		40.5		43.4		47.0	
Versuchs-Streuung	20.3		18.7		20.1		21.7	
FG Fehlerterm	70.0		70.0		70.0		69.0	
Anz. Beob.	3.0		3.0		3.0		3.0	

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	225.0 -	211.4 -	204.8 ---	250.8 --	228.2 --
Amaroc	250.2 -----	263.0 -----	237.5 -----	291.0 ----	259.8 -----
KWS Robertino	239.3 ----	242.0 ----	227.1 -----	273.0 ---	240.5 ----
LG 31245	246.5 -----	228.0 ---	227.1 -----	280.5 ----	244.0 ----
LG 31272	240.5 ----	233.8 ----	230.4 -----	259.7 --	253.0 -----
P8086	249.7 -----	249.1 -----	249.5 -----	268.4 ---	243.2 -----
Milandro	237.7 ----	239.3 ----	204.0 ---	277.7 ---	230.4 ---
ES Traveler	247.2 -----	254.8 -----	211.2 ----	286.4 ----	263.4 -----
Meluseen	238.7 ----	234.8 ----	186.0 -	286.1 ----	254.3 -----
Angeleen	245.8 -----	256.2 -----	222.1 -----	289.5 ----	248.8 -----
KWS Adorado	235.6 ---	232.6 ----	213.2 ----	240.8 -	244.4 -----
Qualito	237.2 ----	239.1 ----	215.1 ----	270.2 ---	255.6 -----
Fieldplayer	237.5 ----	251.4 -----	202.2 ---	235.1 -	243.3 ----
SA1641 (SY Opale)	244.4 -----	266.8 -----	224.6 -----	258.6 --	256.8 -----
EW3414	264.6 -----	282.7 -----	244.0 -----	309.8 ----	249.4 -----
GL187009 (Pilgrim)	247.0 -----	226.8 ---	242.0 -----	255.9 --	245.3 -----
LZM272/30	264.9 -----	272.2 -----	238.4 -----	390.4 -----	250.4 -----
EX3428	248.8 -----	249.3 ----	235.9 -----	300.7 ----	238.6 ----
RH22008	262.6 -----	271.8 -----	247.7 -----	296.4 ----	265.7 -----
P8317	245.4 ----	232.0 ----	245.5 -----	285.3 ----	256.8 -----
1082B210-01	252.6 -----	251.7 ----	233.3 -----	308.7 ----	254.9 -----
1092B839-01	244.0 ----	237.9 ----	243.6 -----	266.0 ---	266.6 -----
P8902	244.1 ----	234.3 ----	227.2 -----	262.9 --	253.7 -----
KXC1323	248.7 -----	244.0 ----	227.9 -----	321.7 -----	252.9 -----
KXC2321	237.7 ---	242.5 ----	236.6 -----	251.0 --	240.3 ----
KXC3123	239.0 ----	216.8 --	236.7 -----	282.8 ----	235.0 ----
KXC2122	250.4 -----	242.8 ----	230.8 -----	297.0 ----	257.3 -----
SA1162	249.6 -----	261.9 -----	219.3 ----	297.3 ----	250.4 -----
SB1422	241.4 ----	240.2 ----	218.8 ----	315.7 -----	237.0 ----
Benedictio KWS	229.7 --	214.5 -	208.9 ----	286.9 ----	232.4 ---
Micheleen	257.0 -----	260.1 -----	255.0 -----	322.2 -----	253.2 -----
LG 32257	244.1 ----	266.2 -----	214.6 ----	296.6 ----	249.9 -----
KWS Chiasso	225.1 -	209.9 -	220.2 -----	268.1 ---	230.3 ---
KWS Gedeo	233.0 ---	226.2 ---	227.8 -----	290.4 ----	235.3 ----
KWS Editio	228.7 --	229.0 ---	200.4 ---	253.5 --	242.3 ----
KWS Odorico	224.5 -	236.4 ----	188.4 -	246.4 -	219.9 -
-Bezugsgrösse(n)	237.3 ----	230.3 ---	227.2 -----	259.6 --	235.7 ----
Versuchs-Mittel	243.3 ----	243.1 ----	224.9 -----	282.6 ----	246.8 -----
VK [%]	7.4	7.6	7.4	10.2	6.1
KGD (5%)	10.6	37.6	27.2	58.5	24.6
KGD (1%)	14.0	ns	36.1	ns	ns
Versuchs-Streuung	17.9	18.5	16.7	28.8	15.1
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	80186.9	35	7.15 ***	1.45	0.0000
Anbauorte	208329.8	7	92.91 ***	2.03	0.0000
WW Verf.*Anb.Orte	164084.2	245	2.09 ***	1.20	0.0003
Fehler	156004.2	487			
Insgesamt	608605.1	774			

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	5643 Alikon AG		8046 Reckenholz ZH		8193 Eglisau ZH		8566 Ellighausen TG	
SY Telias	215.4	-	237.3	-----	241.3	-----	210.6	-
Amaroc	225.0	---	249.0	-----	242.8	-----	233.6	---
KWS Robertino	219.2	--	241.7	-----	241.1	-----	229.9	---
LG 31245	238.6	-----	267.3	-----	258.8	-----	227.7	--
LG 31272	212.8	-	248.4	-----	246.0	-----	239.7	----
P8086	237.4	-----	251.5	-----	258.4	-----	240.1	----
Milandro	235.9	----	246.3	-----	236.6	-----	231.5	---
ES Traveler	230.2	----	249.9	-----	250.8	-----	231.0	---
Meluseen	212.3	-	246.3	-----	250.0	-----	240.2	----
Angeleen	225.5	---	255.0	-----	240.2	-----	229.3	---
KWS Adorado	218.0	--	237.5	-----	252.5	-----	246.2	----
Qualito	211.7	-	211.5	---	254.2	-----	240.7	----
Fieldplayer	239.3	-----	209.0	--	261.3	-----	258.6	-----
SA1641 (SY Opale)	228.3	----	236.5	-----	237.3	-----	246.6	-----
EW3414	247.2	-----	258.3	-----	261.6	-----	263.6	-----
GL187009 (Pilgrim)	227.6	----	229.1	----	247.3	-----	302.3	-----
LZM272/30	233.6	----	234.1	-----	240.3	-----	259.8	-----
EX3428	237.0	-----	229.2	----	254.6	-----	245.3	----
RH22008	262.8	-----	252.8	-----	253.9	-----	250.2	----
P8317	236.1	----	220.7	----	250.6	-----	236.1	---
1082B210-01	237.0	-----	227.7	----	260.9	-----	246.7	-----
1092B839-01	232.0	-----	217.9	----	255.9	-----	232.6	---
P8902	253.5	-----	226.5	----	259.5	-----	234.9	---
KXC1323	242.2	-----	224.5	----	257.5	-----	218.8	-
KXC2321	239.1	-----	211.6	---	253.5	-----	226.7	--
KXC3123	244.8	-----	235.3	-----	236.7	-----	224.3	--
KXC2122	247.2	-----	235.6	-----	257.1	-----	235.6	---
SA1162	259.0	-----	228.7	----	247.4	-----	233.2	---
SB1422	253.7	-----	211.2	---	214.3	--	239.9	----
Benedictio KWS	226.1	---	228.6	----	217.7	---	222.8	--
Micheleen	262.3	-----	226.3	----	233.6	-----	243.6	----
LG 32257	236.1	-----	236.3	-----	226.2	----	227.0	--
KWS Chiasso	243.0	-----	212.0	---	204.2	-	213.0	-
KWS Gedeo	249.8	-----	197.3	-	220.2	---	216.8	-
KWS Editio	236.3	----	212.5	---	222.6	----	232.8	---
KWS Odorico	242.6	-----	217.0	---	219.9	---	225.3	--
-Bezugsgrösse(n)	226.4	---	244.4	-----	249.8	-----	225.3	--
Versuchs-Mittel	236.1	----	232.2	-----	243.5	-----	237.1	---
VK [%]	5.3		5.2		5.3		11.2	
KGD (5%)	20.4		19.8		21.0		ns	
KGD (1%)	27.0		26.2		27.9		ns	
Versuchs-Streuung	12.5		12.1		12.9		26.5	
FG Fehlerterm	70.0		70.0		70.0		69.0	
Anz. Beob.	3.0		3.0		3.0		3.0	

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	23.5 -	23.1 --	19.4 ----	27.5 ---	21.6 -
Amaroc	27.7 -----	28.8 -----	23.7 -----	33.8 -----	27.7 -----
KWS Robertino	27.2 -----	29.9 -----	22.4 -----	30.9 -----	26.0 -----
LG 31245	25.6 ----	26.3 ----	20.7 ----	28.7 ---	24.6 ----
LG 31272	24.5 ---	25.2 ----	19.2 ----	28.5 ----	24.7 ----
P8086	25.8 ----	26.4 ----	21.8 ----	28.0 ----	24.8 ----
Milandro	25.3 ----	27.2 -----	18.3 ---	31.0 -----	24.3 ----
ES Traveler	26.9 -----	27.0 -----	21.6 -----	31.5 -----	29.0 -----
Meluseen	23.3 -	21.8 -	16.7 -	29.8 ----	24.5 ----
Angeleen	24.4 ---	25.3 ----	19.1 ----	30.9 -----	24.5 ----
KWS Adorado	25.7 ----	24.5 ----	21.2 -----	27.6 ---	26.0 -----
Qualito	25.3 ----	23.5 ---	20.4 -----	30.4 ----	26.4 -----
Fieldplayer	24.1 --	25.6 ----	18.7 ---	28.3 ---	23.6 ---
SA1641 (SY Opale)	23.7 -	24.9 ----	21.4 -----	27.8 ---	23.2 ---
EW3414	25.7 ----	26.4 ----	21.2 -----	30.6 ----	23.4 ---
GL187009 (Pilgrim)	25.2 ----	23.2 --	23.1 -----	27.9 ----	24.1 ----
LZM272/30	24.4 ---	23.9 ---	19.2 ----	33.7 -----	22.6 --
EX3428	23.8 --	22.6 --	19.3 ----	28.7 ----	22.5 --
RH22008	28.5 -----	28.3 -----	24.2 -----	33.5 -----	27.4 -----
P8317	26.7 -----	25.6 ----	23.4 -----	31.6 -----	26.7 -----
1082B210-01	27.1 -----	26.5 ----	22.0 -----	34.2 -----	26.0 -----
1092B839-01	28.2 -----	27.1 -----	23.8 -----	31.2 -----	28.9 -----
P8902	27.5 -----	27.2 -----	23.2 -----	31.0 -----	25.2 ----
KXC1323	28.1 -----	27.7 -----	22.8 -----	37.6 -----	26.9 -----
KXC2321	24.8 ----	23.7 ---	20.9 ----	27.0 ---	23.5 ---
KXC3123	26.5 -----	22.4 -	23.6 -----	31.0 -----	25.2 -----
KXC2122	27.4 -----	25.4 ----	22.3 -----	31.6 -----	27.0 -----
SA1162	24.0 --	24.7 ----	18.1 --	29.3 ----	22.8 --
SB1422	24.1 --	22.1 -	19.8 ----	31.0 -----	21.6 -
Benedictio KWS	25.0 ----	21.8 -	21.0 -----	31.6 -----	25.0 -----
Micheleen	27.5 -----	27.7 -----	24.2 -----	32.6 -----	25.4 -----
LG 32257	24.5 ---	27.2 -----	19.2 ----	30.7 -----	22.2 -
KWS Chiasso	24.2 --	21.9 -	20.0 ----	30.4 ----	22.9 --
KWS Gedeo	24.7 ---	23.2 --	21.4 -----	30.2 ----	24.5 ----
KWS Editio	24.4 ---	23.0 --	19.2 ----	26.5 ---	24.6 ----
KWS Odorico	24.0 --	25.6 ----	18.6 ---	23.7 -	23.1 ---
-Bezugsgrösse(n)	24.6 ---	24.7 ----	20.6 ----	27.8 ----	23.2 ---
Versuchs-Mittel	25.5 ----	25.2 ----	21.0 ----	30.3 ----	24.8 ----
VK [%]	7.4	7.6	7.2	10.3	7.7
KGD (5%)	1.1	3.9	2.5	ns	3.1
KGD (1%)	1.5	5.2	3.3	ns	4.1
Versuchs-Streuung	1.9	1.9	1.5	3.1	1.9
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1779.6	35	14.13 ***		1.45	0.0000
Anbauorte	5060.0	7	200.85 ***		2.03	0.0000
WW Verf.*Anb.Orte	1596.6	245	1.81 ***		1.20	0.0006
Fehler	1752.7	487				
Insgesamt	10188.9	774				

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	25.3 ----	22.5 ----	26.5 ----	22.1 -
Amaroc	27.0 -----	25.8 -----	27.9 -----	26.6 -----
KWS Robertino	27.3 -----	25.0 -----	28.5 -----	27.8 -----
LG 31245	27.2 -----	25.8 -----	27.7 -----	23.7 ---
LG 31272	23.4 -	25.4 -----	26.3 ----	23.8 ---
P8086	26.5 ----	24.9 ----	28.9 ----	24.8 ----
Milandro	26.3 ----	24.1 -----	26.3 ----	25.3 ----
ES Traveler	26.9 ----	24.6 -----	28.7 -----	25.7 ----
Meluseen	22.7 -	22.7 ----	26.1 ----	22.1 -
Angeleen	24.6 ---	23.5 -----	24.5 ---	22.5 -
KWS Adorado	26.6 ----	25.7 -----	28.1 -----	26.1 -----
Qualito	25.3 ----	22.2 ---	28.8 -----	25.6 ----
Fieldplayer	24.9 ---	20.6 --	25.8 ----	25.4 ----
SA1641 (SY Opale)	23.9 --	19.7 -	24.3 ---	24.3 ---
EW3414	26.3 ----	23.9 -----	27.3 -----	26.5 -----
GL187009 (Pilgrim)	28.0 -----	23.1 -----	27.7 -----	24.5 ----
LZM272/30	24.7 ---	22.5 ----	24.3 ---	24.1 ---
EX3428	25.4 ----	21.6 ----	24.8 ---	25.3 ----
RH22008	31.2 -----	26.0 -----	27.7 -----	29.5 -----
P8317	27.1 -----	22.5 ----	29.5 -----	27.6 -----
1082B210-01	26.9 ----	23.6 -----	29.4 -----	28.2 -----
1092B839-01	29.3 -----	23.9 -----	32.2 -----	29.4 -----
P8902	31.3 -----	24.4 -----	29.7 -----	27.8 -----
KXC1323	29.7 -----	24.7 -----	29.2 -----	25.9 -----
KXC2321	28.2 -----	21.3 ---	27.6 ----	26.4 ----
KXC3123	29.1 -----	26.0 -----	27.8 -----	27.2 -----
KXC2122	29.2 -----	26.3 -----	29.7 -----	27.4 -----
SA1162	27.1 -----	22.3 ----	23.8 ---	24.3 ----
SB1422	28.8 -----	22.3 ----	21.8 -	25.6 ----
Benedictio KWS	25.3 ----	25.1 -----	24.2 ---	25.6 ----
Micheleen	30.7 -----	25.4 -----	26.0 ----	27.9 -----
LG 32257	26.2 ----	24.3 -----	22.6 -	23.8 ---
KWS Chiasso	28.6 -----	22.9 ----	22.8 --	24.7 ----
KWS Gedeo	27.5 -----	21.0 ---	24.7 ---	25.6 ----
KWS Editio	27.6 -----	22.8 ----	25.4 ----	26.0 -----
KWS Odorico	27.5 -----	23.6 -----	25.7 ----	24.5 ----
-Bezugsgrösse(n)	25.9 ----	23.7 ----	27.7 ----	23.5 --
Versuchs-Mittel	27.0 -----	23.7 -----	26.7 ----	25.7 ----
VK [%]	6.9	5.4	8.0	6.8
KGD (5%)	3.0	2.1	3.5	2.9
KGD (1%)	4.0	2.8	4.6	3.8
Versuchs-Streuung	1.9	1.3	2.1	1.8
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	73.7	79.9	73.0	74.1	61.3
Amaroc	67.4	66.4	62.4	68.8	57.7
KWS Robertino	74.4	71.4	64.1	76.3	65.5
LG 31245	69.5	74.1	61.2	69.7	62.1
LG 31272	68.0	71.6	57.9	71.9	59.4
P8086	69.4	75.4	62.9	70.0	62.9
Milandro	68.4	66.7	64.7	70.2	62.7
ES Traveler	71.2	70.9	68.0	74.3	59.3
Meluseen	66.3	67.7	68.2	63.4	57.1
Angeleen	68.7	66.3	67.3	66.0	60.4
KWS Adorado	70.8	74.2	66.5	76.2	61.0
Qualito	70.0	68.8	63.8	75.6	57.5
Fieldplayer	72.3	76.3	69.3	79.2	57.0
SA1641 (SY Opale)	69.4	67.3	65.9	71.5	55.7
EW3414	64.1	65.6	60.2	61.0	57.5
GL187009 (Pilgrim)	70.3	78.0	63.5	69.7	65.1
LZM272/30	65.7	71.4	58.1	60.2	58.4
EX3428	71.4	73.4	64.3	66.0	63.3
RH22008	69.4	68.8	63.5	75.4	57.0
P8317	69.3	74.1	64.7	64.6	57.3
1082B210-01	69.0	71.6	64.1	64.9	56.2
1092B839-01	71.2	72.2	67.8	70.9	60.8
P8902	71.7	75.0	66.9	71.8	64.0
KXC1323	71.9	68.1	64.4	70.6	63.8
KXC2321	69.9	70.6	61.2	74.4	56.5
KXC3123	69.5	73.1	65.5	67.3	60.0
KXC2122	70.2	77.0	63.7	67.2	61.0
SA1162	64.6	67.3	61.9	66.7	55.8
SB1422	72.2	75.1	68.7	70.2	66.4
Benedictio KWS	71.4	75.1	65.3	73.1	63.3
Micheleen	70.0	72.7	65.3	68.3	61.0
LG 32257	68.7	72.0	65.6	68.1	60.8
KWS Chiasso	71.9	76.6	65.7	69.6	62.0
KWS Gedeo	71.8	74.0	64.1	71.9	65.4
KWS Editio	71.1	74.1	68.9	71.5	63.4
KWS Odorico	73.0	76.7	71.5	71.0	66.7
-Bezugsgrösse(n)	71.6	77.7	68.0	72.0	62.1
Versuchs-Mittel	69.9	72.2	65.0	70.0	60.7
VK [%]	4.9	3.7	5.7	5.7	6.0
KGD (5%)	2.0	5.4	6.0	8.1	6.0
KGD (1%)	2.7	7.3	8.0	10.9	7.9
Versuchs-Streuung	3.4	2.7	3.7	4.0	3.7
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	4192.5	35	10.27	***	1.45	0.0000
Anbauorte	15149.7	7	185.57	***	2.03	0.0000
WW Verf.*Anb.Orte	5255.5	245	1.84	***	1.20	0.0005
Fehler	5679.7	487				
Insgesamt	30277.4	774				

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	77.3	72.7	74.7	76.6
Amaroc	73.4	70.9	72.1	67.4
KWS Robertino	80.7	76.8	82.5	77.7
LG 31245	78.2	67.6	70.3	72.8
LG 31272	73.7	66.6	72.5	70.0
P8086	73.2	71.6	71.0	68.6
Milandro	71.5	70.9	70.2	70.5
ES Traveler	76.3	70.6	74.4	75.8
Meluseen	73.4	65.4	68.8	66.2
Angeleen	76.0	68.8	71.6	73.3
KWS Adorado	73.5	73.0	73.2	68.5
Qualito	76.1	73.2	73.0	71.7
Fieldplayer	75.5	76.6	75.5	69.3
SA1641 (SY Opale)	76.4	72.7	76.4	69.6
EW3414	66.6	64.5	69.9	67.9
GL187009 (Pilgrim)	74.6	72.8	74.1	64.7
LZM272/30	69.3	71.5	70.8	65.8
EX3428	75.7	75.8	77.6	75.0
RH22008	73.9	71.3	74.5	70.7
P8317	74.8	72.0	74.8	71.9
1082B210-01	74.7	76.2	71.3	72.9
1092B839-01	76.3	72.9	74.8	74.0
P8902	72.5	75.0	74.2	74.2
KXC1323	78.8	76.2	73.8	79.4
KXC2321	74.0	72.3	74.9	75.4
KXC3123	74.4	70.9	71.0	74.2
KXC2122	73.9	72.4	74.1	72.4
SA1162	65.5	68.6	66.2	64.6
SB1422	69.9	77.6	78.3	71.6
Benedictio KWS	77.4	71.3	73.1	72.3
Micheleen	76.1	74.4	71.4	71.3
LG 32257	72.6	72.4	66.4	71.5
KWS Chiasso	74.0	75.1	77.7	74.3
KWS Gedeo	73.6	76.0	74.1	75.4
KWS Editio	72.7	74.6	73.0	70.4
KWS Odorico	70.7	80.4	77.5	70.0
-Bezugsgrösse(n)	75.2	72.2	72.8	72.6
Versuchs-Mittel	74.1	72.5	73.3	71.6
VK [%]	4.1	3.8	4.2	5.7
KGD (5%)	5.0	4.5	5.1	6.7
KGD (1%)	6.6	5.9	6.7	8.8
Versuchs-Streuung	3.1	2.7	3.1	4.1
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	6.6	6.7	6.9	6.2	6.6
Amaroc	6.2	6.0	6.4	5.6	6.1
KWS Robertino	6.3	6.2	6.6	5.9	6.2
LG 31245	6.3	6.4	6.6	5.9	6.2
LG 31272	6.4	6.3	6.6	6.1	6.2
P8086	6.3	6.2	6.5	6.1	6.4
Milandro	6.4	6.2	7.0	5.8	6.4
ES Traveler	6.3	6.2	6.8	5.9	6.1
Meluseen	6.5	6.6	7.2	5.8	6.3
Angeleen	6.3	6.2	6.8	5.8	6.2
KWS Adorado	6.4	6.4	6.7	6.3	6.1
Qualito	6.3	6.3	6.8	5.8	6.0
Fieldplayer	6.4	6.3	6.9	6.1	6.2
SA1641 (SY Opale)	6.4	6.2	6.7	6.0	6.3
EW3414	6.2	5.9	6.6	5.6	6.3
GL187009 (Pilgrim)	6.3	6.5	6.4	6.0	6.4
LZM272/30	6.4	6.2	6.7	5.7	6.3
EX3428	6.4	6.3	6.6	5.8	6.4
RH22008	6.1	5.9	6.4	5.6	6.0
P8317	6.3	6.5	6.5	5.8	6.2
1082B210-01	6.2	6.3	6.6	5.4	6.1
1092B839-01	6.3	6.3	6.5	5.9	5.9
P8902	6.3	6.4	6.6	6.0	6.2
KXC1323	6.2	6.2	6.6	5.1	6.1
KXC2321	6.4	6.4	6.5	6.2	6.3
KXC3123	6.3	6.7	6.4	5.8	6.3
KXC2122	6.2	6.3	6.5	5.5	6.1
SA1162	6.3	6.3	6.8	5.8	6.3
SB1422	6.4	6.6	6.8	5.6	6.4
Benedictio KWS	6.5	6.8	6.8	5.7	6.4
Micheleen	6.2	6.2	6.4	5.4	6.3
LG 32257	6.4	6.1	6.9	5.6	6.5
KWS Chiasso	6.5	6.8	6.8	5.8	6.5
KWS Gedeo	6.4	6.5	6.7	5.6	6.4
KWS Editio	6.5	6.6	6.9	6.2	6.4
KWS Odorico	6.5	6.4	7.0	6.3	6.6
-Bezugsgrösse(n)	6.4	6.4	6.7	6.1	6.5
Versuchs-Mittel	6.3	6.3	6.7	5.8	6.3
VK [%]	3.4	3.7	3.0	6.7	3.3
KGD (5%)	0.1	0.5	0.3	ns	0.3
KGD (1%)	0.2	ns	0.4	ns	0.4
Versuchs-Streuung	0.2	0.2	0.2	0.4	0.2
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	10.1	35	6.18	***	1.45	0.0000
Anbauorte	43.5	7	133.05	***	2.03	0.0000
WW Verf.*Anb.Orte	20.4	245	1.78	***	1.20	0.0006
Fehler	22.7	487				
Insgesamt	96.7	774				

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	6.6 -----	6.4 ----	6.3 ----	6.7 -----
Amaroc	6.4 -----	6.2 ---	6.3 ----	6.4 ----
KWS Robertino	6.6 -----	6.4 ----	6.3 ----	6.4 ----
LG 31245	6.4 -----	6.0 -	6.1 --	6.5 -----
LG 31272	6.6 -----	6.2 ---	6.4 ----	6.5 -----
P8086	6.5 -----	6.3 ---	6.1 --	6.4 ----
Milandro	6.5 -----	6.3 ----	6.5 -----	6.5 -----
ES Traveler	6.5 -----	6.3 ----	6.3 ----	6.5 -----
Meluseen	6.7 -----	6.4 ----	6.4 ----	6.5 -----
Angeleen	6.5 -----	6.3 ---	6.5 -----	6.5 -----
KWS Adorado	6.6 -----	6.3 ----	6.3 ----	6.3 --
Qualito	6.6 -----	6.7 -----	6.2 ---	6.4 ----
Fieldplayer	6.4 -----	6.8 -----	6.2 ---	6.2 -
SA1641 (SY Opale)	6.6 -----	6.6 -----	6.6 -----	6.5 -----
EW3414	6.3 ----	6.3 ----	6.1 --	6.2 -
GL187009 (Pilgrim)	6.4 -----	6.5 -----	6.2 ---	6.2 -
LZM272/30	6.5 -----	6.6 -----	6.5 -----	6.4 ----
EX3428	6.4 -----	6.6 -----	6.4 ----	6.3 ----
RH22008	6.0 -	6.2 ---	6.2 ---	6.2 -
P8317	6.4 -----	6.7 -----	6.2 ---	6.5 -----
1082B210-01	6.4 -----	6.5 -----	6.1 --	6.4 ----
1092B839-01	6.4 -----	6.6 -----	6.1 -	6.5 -----
P8902	6.1 --	6.5 -----	6.1 -	6.4 ----
KXC1323	6.3 ----	6.5 -----	6.1 --	6.6 -----
KXC2321	6.3 ----	6.7 -----	6.2 --	6.5 -----
KXC3123	6.2 ----	6.4 ----	6.3 ----	6.5 -----
KXC2122	6.2 ----	6.4 ----	6.0 -	6.3 ---
SA1162	6.2 ---	6.6 -----	6.3 ----	6.5 -----
SB1422	6.2 ----	6.7 -----	6.8 -----	6.4 ----
Benedictio KWS	6.5 -----	6.5 -----	6.6 -----	6.6 -----
Micheleen	6.1 --	6.5 -----	6.5 -----	6.3 ----
LG 32257	6.4 -----	6.4 ----	6.6 -----	6.5 -----
KWS Chiasso	6.2 ----	6.6 -----	6.8 -----	6.6 -----
KWS Gedeo	6.3 ----	6.9 -----	6.6 -----	6.6 -----
KWS Editio	6.4 -----	6.7 -----	6.5 -----	6.4 ----
KWS Odorico	6.2 ----	6.6 -----	6.5 -----	6.5 -----
-Bezugsgrösse(n)	6.5 -----	6.3 ----	6.2 ---	6.6 -----
Versuchs-Mittel	6.4 -----	6.5 -----	6.3 ----	6.4 ----
VK [%]	3.0	2.4	2.9	3.4
KGD (5%)	0.3	0.3	0.3	ns
KGD (1%)	0.4	0.3	0.4	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	6.8	7.0	7.3	6.3	6.8
Amaroc	6.3	6.1	6.6	5.5	6.1
KWS Robertino	6.5	6.3	6.8	6.0	6.3
LG 31245	6.4	6.6	6.8	6.0	6.4
LG 31272	6.5	6.5	6.8	6.1	6.3
P8086	6.5	6.3	6.7	6.3	6.6
Milandro	6.5	6.3	7.3	5.8	6.6
ES Traveler	6.5	6.3	7.1	5.9	6.2
Meluseen	6.7	6.8	7.6	5.8	6.4
Angeleen	6.5	6.2	7.1	5.9	6.4
KWS Adorado	6.5	6.6	7.0	6.4	6.2
Qualito	6.5	6.4	7.0	5.8	6.1
Fieldplayer	6.6	6.3	7.3	6.2	6.3
SA1641 (SY Opale)	6.6	6.3	6.9	6.0	6.4
EW3414	6.3	6.0	6.8	5.5	6.5
GL187009 (Pilgrim)	6.5	6.7	6.5	6.1	6.5
LZM272/30	6.5	6.3	7.0	5.8	6.5
EX3428	6.5	6.5	6.9	5.8	6.6
RH22008	6.1	5.9	6.6	5.5	6.1
P8317	6.5	6.6	6.7	5.8	6.3
1082B210-01	6.4	6.4	6.8	5.4	6.2
1092B839-01	6.4	6.5	6.6	5.9	5.9
P8902	6.4	6.5	6.8	6.1	6.3
KXC1323	6.3	6.4	6.8	4.9	6.2
KXC2321	6.6	6.6	6.7	6.3	6.4
KXC3123	6.5	6.9	6.7	5.8	6.4
KXC2122	6.3	6.4	6.7	5.5	6.1
SA1162	6.5	6.4	7.1	5.8	6.4
SB1422	6.6	6.8	7.1	5.5	6.6
Benedictio KWS	6.7	7.1	7.1	5.7	6.6
Micheleen	6.3	6.3	6.5	5.3	6.5
LG 32257	6.5	6.2	7.2	5.6	6.6
KWS Chiasso	6.7	7.0	7.1	5.8	6.8
KWS Gedeo	6.6	6.8	6.9	5.6	6.6
KWS Editio	6.7	6.8	7.3	6.4	6.6
KWS Odorico	6.7	6.6	7.4	6.5	6.8
-Bezugsgrösse(n)	6.6	6.6	7.0	6.3	6.7
Versuchs-Mittel	6.5	6.5	6.9	5.8	6.4
VK [%]	4.2	4.6	3.7	8.3	4.1
KGD (5%)	0.2	0.6	0.4	ns	0.4
KGD (1%)	0.2	ns	0.6	ns	0.6
Versuchs-Streuung	0.3	0.3	0.3	0.5	0.3
FG Fehlerterm	487.0	35.0	70.0	33.0	70.0
Anz. Beob.	22.0	2.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	17.0	35	6.53 ***		1.45	0.0000
Anbauorte	69.8	7	134.04 ***		2.03	0.0000
WW Verf.*Anb.Orte	32.8	245	1.80 ***		1.20	0.0006
Fehler	36.2	487				
Insgesamt	155.9	774				

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	6.8 -----	6.5 ----	6.5 ----	7.0 -----
Amaroc	6.6 -----	6.3 --	6.4 ----	6.6 ----
KWS Robertino	6.8 -----	6.6 ----	6.5 ----	6.6 ----
LG 31245	6.6 -----	6.1 -	6.3 --	6.7 ----
LG 31272	6.9 -----	6.3 --	6.5 ----	6.7 ----
P8086	6.6 -----	6.4 ---	6.3 --	6.6 -----
Milandro	6.6 -----	6.5 ----	6.6 -----	6.6 -----
ES Traveler	6.7 -----	6.5 ----	6.4 ----	6.7 -----
Meluseen	7.0 -----	6.6 ----	6.6 ----	6.7 -----
Angeleen	6.7 -----	6.5 ----	6.7 -----	6.8 -----
KWS Adorado	6.8 -----	6.5 ----	6.4 ----	6.4 --
Qualito	6.8 -----	7.0 -----	6.3 --	6.5 ----
Fieldplayer	6.5 -----	7.1 -----	6.4 ---	6.3 -
SA1641 (SY Opale)	6.8 -----	6.8 -----	6.8 -----	6.7 ----
EW3414	6.4 ----	6.4 ---	6.2 -	6.3 --
GL187009 (Pilgrim)	6.6 -----	6.7 -----	6.4 ---	6.3 --
LZM272/30	6.8 -----	6.9 -----	6.7 -----	6.5 ----
EX3428	6.6 -----	6.9 -----	6.5 ----	6.5 ----
RH22008	6.0 -	6.3 --	6.4 ---	6.3 --
P8317	6.6 -----	6.9 -----	6.4 ---	6.7 -----
1082B210-01	6.6 -----	6.7 -----	6.2 -	6.5 ----
1092B839-01	6.6 -----	6.8 -----	6.1 -	6.7 -----
P8902	6.2 ---	6.7 -----	6.2 -	6.5 ----
KXC1323	6.4 ----	6.7 ----	6.3 --	6.9 -----
KXC2321	6.4 ----	7.0 -----	6.3 --	6.7 ----
KXC3123	6.4 ----	6.6 ----	6.5 ----	6.7 -----
KXC2122	6.3 ----	6.5 ----	6.1 -	6.4 --
SA1162	6.3 ---	6.8 -----	6.5 ----	6.6 -----
SB1422	6.3 ---	7.0 -----	7.0 -----	6.5 ----
Benedictio KWS	6.8 -----	6.7 -----	6.9 -----	6.8 -----
Micheleen	6.2 ---	6.7 -----	6.7 -----	6.5 ----
LG 32257	6.6 -----	6.6 ----	6.8 -----	6.7 -----
KWS Chiasso	6.4 ----	6.8 -----	7.1 -----	6.8 -----
KWS Gedeo	6.4 ----	7.2 -----	6.8 -----	6.8 -----
KWS Editio	6.6 -----	7.0 -----	6.8 -----	6.6 ----
KWS Odorico	6.3 ----	6.9 -----	6.7 -----	6.7 -----
-Bezugsgrösse(n)	6.7 -----	6.5 ----	6.4 ---	6.8 -----
Versuchs-Mittel	6.6 -----	6.7 -----	6.5 ----	6.6 ----
VK [%]	3.6	2.9	3.8	4.1
KGD (5%)	0.4	0.3	0.4	ns
KGD (1%)	0.5	0.4	0.5	ns
Versuchs-Streuung	0.2	0.2	0.2	0.3
FG Fehlerterm	70.0	70.0	70.0	69.0
Anz. Beob.	3.0	3.0	3.0	3.0

4.3 Serie mittelspät / Série mi-tardive

4.3.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.05.2023	15.09.2023
1567	Delley (Avenches)	432	04.05.2023	30.08.2023 *
1896	Vouvry	404	23.05.2023	04.10.2023
3065	Habstetten	690	19.05.2023	26.09.2023
8046	Reckenholz	440	06.05.2023	08.09.2023
8196	Eglisau	395	22.05.2023	15.09.2023
8566	Ellighausen	503	26.05.2023	25.09.2023
9465	Salez	445	31.05.2023	28.09.2023

* Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement pas prises en compte pour les mises en valeur.

4.3.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P8888	X85H899	SC	Pioneer	Pioneer, Versoix		SM21/S
SY Enermax	SC2685	SC	Syngenta, CH	Syngenta, Stein		SM21/S
KWS Sabino	KXB9433	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/S
SY Amfora	SA2178	SC	Syngenta, CH	Syngenta, Stein		SM21/S
P9610	X95M764	SC	Pioneer	Pioneer, Versoix		SM21/S
KWS Editio	KXC0337	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/S
Bismark	SMH 0344	SC	agaSAAT, D	Eric Schweizer AG, Thun		SM21/e2
(KWS Go)	KXC1211	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e2
	KXC1368	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e2
SY Granaris	SC3360	SC	Syngenta, CH	Syngenta, Stein	KM21/e2	SM21/e2
Mendy	ESZ9402	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM21+31/e2
SU Crumber	SG 125	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM21/e2
	LZM272/33	TC	Limagrain, Europe	Fenaco, Moudon		SM21/e1
P9967	1097A001.01	SC	Pioneer	Pioneer, Versoix		SM21+31/e1
	KXC1366	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
	KXC2121	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e1
SY Bradford	SA2080	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21+31/e1
	SC3211	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21+31/e1
SY Fertilius	SB1671	SC	Syngenta, CH	Syngenta, Stein		SM21/e1
Bone	SG 111	SC	Saaten Union GmbH, D	Hauenstein, Rafz	KM21/e1	SM21/e1
P9911	X00B109	SC	Pioneer	Pioneer, Versoix		SM31/S
LG 31479		SC	Limagrain, Europe	Fenaco, Moudon		SM31/S
SY Glorius	SA1826	SC	Syngenta, CH	Syngenta, Stein		SM21/T
KWS Inteligens	KXB8383	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM31/S

4.3.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Technische Versuchsangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Avanches (433 m ü.M.)	Vouvry (404 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern (640 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503 m ü.M.)	Salez (445 m ü.M.)	
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Limono sableux (argile 22% - NO 2% - pH 6,0)	Sandiger Lehm, pH 5.5	Braunerde	Braunerde	Braunerde	Fluvisol	
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfall (Sart - Ernte/ semis - récolte / seeding - harvest): 1916 (SM21), 2045 (SM31) °C (Meteostation Changins) Irrigation: 09.06.2021: 30 mm 11.07.2023 30 mm	228 (SM21), 308 (SM31) mm (Meteostation Changins) 1916 (SM21), 2045 (SM31) °C (Meteostation Changins) Irrigation: 09.06.2021: 30 mm 11.07.2023 30 mm	258,9 mm (selon AgroMeteo, station Praz) 1659,5 °C (selon AgroMeteo, station Praz, seuil 6°C)	Pluviométrie: 326 mm (selon méteo Suisse, station Aglie) Somme degrés-jours: 1853 °C (selon méteo Suisse, station Aglie)	410 mm (selon Agro Meteo station Zikziwil) 1643 °C (selon Agro Meteo station Zikziwil)	393,8 (SM21), 410,3 (SM31) mm (Meteostation Reckenholz) 1651,45 (SM21), 1754,6 (SM31) °C (Meteostation Reckenholz)	350,2 mm (Meteostation Steinmaur) 1630,3 °C (Meteostation Steinmaur)	325,7 mm (Meteostation Ellighausen) 1636,7 °C (Meteostation Ellighausen)	585,3 mm (Meteostation Salez) 1646,1 °C (Meteostation Salez)	
Versuchsanlage / dispositif expérimental / experimental design: Randomisierter Blockdesign mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengröße / grandeur d'une parcelle / plot size: 11,07.2023 30 mm	Sens: 17 m ² per single plot (brut, avec chemin d'environ 1,1 m), 14,4 m ² net, 4 rangs Récolte: 8,5 m ² per single plot (brut, avec chemin), 7,2 m ² net, 2 rangs au milieu	4reihig, mit 1,33m Weg (20 m ² brutto), 10m ² netto	4reihig, mit 1,33m Weg (20 m ² brutto), 10m ² netto	4reihig, mit 1,33m Weg (20 m ² brutto), 10m ² netto	15 m ² pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m ² netto	15 m ² pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m ² netto	15 m ² pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m ² netto	15 m ² pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m ² netto	
Vorfucht / précédent cultural / previous crop:	blé automne + Engrais vert légumineuses	Colza, engrais vert sans légumineuses	Kartoffel / pommes de terre	Gerste / orge	Prairie temporaire / Kunstwiese / temporary grassland	Zuckerrüben / sugar beet	Wintergerste / Gründüngung UFA Lapha	Prairie temporaire / Kunstwiese / temporary grassland	
Bodenbearbeitung / travail du sol / soil cultivation:	cultivateur patte d'oie 02.03.2023 vibroculteur 23.03.2023 Herse rotative 03.05.2023	02.12.2022: Labour 04.05.2023: Herse rotative	Chisel 03.05.2023, Herse rotative 23.05.2023	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow 24.04 et 18.05.2023	28.02.23 Pflug, 06.05.23 Kreiselegge	20.05.23 Pflügen, 21.05.23 Kreiselegge	05.04.23 Pflug, 11.05.23 Kreiselegge	30.05.23 Spaten (Imans)	
Saat / date de semis / sowing date:	04.05.2023 (jour 124)	04.05.2023 (jour 124)	23.05.2023 (jour 143)	19.05.2023 (jour 139)	06.05.2023	22.05.2023	26.05.2023	31.05.2023	
Ernte / date de récolte / harvest date:	15.09.2023 (SM21, jour 258), 28.09.23 (SM31, jour 271)	30.08.2023 (SM21, jour 242), 05.10.2023 (SM31, jour 276)	04.10.2023 (HD, jour 277), 05.10.2023 (LD, jour 276)	26.09.2023 (jour 269)	08.09.23 (SM21), 15.09.23 (SM31)	15.09.2023	25.09.2023	28.09.2023	
Saaidichte / densité de semis / sowing density:	9,5 (SM21, SM 31) Körner / grains pro m ²	Semis: 11,9 grains pro m ² , éclairci à 9,1 / planifié à 2	9,5 (SM21 HD), 8 (SM 21 LD) Körner / grains pro m ²	9,5 Körner / grains pro m ²	9,5 (SM21, SM31) Körner / grains pro m ²	9,5 Körner / grains pro m ²	9,5 Körner / grains pro m ²	9,5 Körner / grains pro m ²	
Vegetationsdauer / durée de végétation / growing period	134 (SM21), 147 (SM 31) Tage / jours / days	118 (SM21), 132 (SM31) Tage / jours / days	134 (SM21HD), 135 (SM21 LD) Tage / jours / days	130 Tage / jours / days	125 (SM21), 132 (SM31) Tage / jours / days	122 Tage / jours / days	122 Tage / jours / days	120 Tage / jours / days	
Reihenabstand / Interlignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	16.06.23 hacken gekoppelt mit Düngung	-	-	24.07.23 Hand jäten	
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	30.05.2023: Stomp Aqua 2 / ha Banve 0,5 l/ha / Monsoon 2/ha	26.05.2023: Banvel 4S 0,36 l/ha + Callisto 1,78 l/ha + Spectrum 2,5 l/ha + Monsoon 2,7 l/ha	09.06.2023: Cateris 1 l/ha Spectrum 1,4 l/ha Monsoon 1 l/ha	06.06.2023: Callisto 1,1 l/ha Equip Power 1,2 l/ha	22.05.23 Equip 0,5 l/ha + Spectrum 0,7 l/ha + Mesosiar 0,5 l/ha + Stomp 2,5 l/ha + Aqua 1,4 l/ha	03.06.23 Pendimethalin SA 400 0,7 l/ha + Mesosiar 0,5 l/ha + Stomp 2,5 l/ha + Aqua 1,4 l/ha	08.06.23: Aspekt 1,5 l/ha + Laudis 2 l/ha	04.07.23 Equip Power 1,5 l/ha	
Grunddüngung / fumure de base / basic fertilisation:	08.08.2022 40 m ² Liser bovins 5 l/ha - 20 kg N 40 kg P2O5 80 kg K2O	28.11.2022: Potasse 0.0.60 (444 kg/ha, 0 U/ha N, 0 U/ha P, 266 U/ha K) 28.11.2022: Supertriple 0,46.0 (366 kg/ha, 0 U/ha N, 168 U/ha P, 0 U/ha K)	400 kg/ha (Lander 13.8.16), 02.05.2023 52 kg N/ha, 36 kg P2O5/ha, 64 kg K2O/ha	22.04.23: Granulphos 17 %: 300 kg/ha = 51 kg P/ha, Kali 60 %: 150 kg/ha = 90 kg K/ha	-	-	-	07.03.23 Schweinegülle 15m ³ /ha (90kg N/ha - Richtwert), 09.05.23 Kuhgülle 14m ³ /ha (60.2kg N/ha - Richtwert)	
N-Düngung / fumure N / N fertilisation:	02.05.2023 : 280 l/ha N liquide 30.0.0.0 : 109 N	03.05.2023: Urée 46.0.0 (13.3 kg/ha, 144 U/ha N)	400 kg/ha (Entec 28%), 02.05.2023 104 kg N/ha	23.05.23 : 50 kg N/ha (Harnstoff 46%); 19.06.23: 53 kg N/ha (Harnstoff 46%) = 46.3 N	23.05.23 Mg-Ammoniumsulfat 26%N + S 200kg/ha (48kg N/ha), 16.06.23 Harnstoff 46% 100kg/ha (46kg N/ha)	20.05.23 Harnstoff 46% 167kg/ha (77 kg N/ha)	10.06.23 Harnstoff 120kg/ha (54kg N/ha), 10.06.23 Harnstoff 100kg (46kg N/ha)	-	
N-Mineralisierung zu Vegetationsbeginn / minéralisation azotée au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-	-	
Ernte / Récolte / harvest:	Baural Maishäcksel / ensilage expérimentale	Ensilage expérimentale	Baural Maishäcksel / ensilage expérimentale	Baural Maishäcksel / ensilage expérimentale	-	-	-	-	New Holland Versuchsmaisbäcker / ensilage expérimentale

4.3.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
SU Crumber	e2	1.24	2.75	-1.43	0.04	0.45			0.09	3.99	-0.85	3.14
KXC1211 (KWS Go)	e2	-5.21	4.37	3.37	0.08	0.38			0.00	-0.84	3.82	2.98
Bismark	e2	5.47	-4.59	0.26	0.05	0.50			0.11	0.88	0.92	1.80
LZM272/33	e1	-1.32	3.03	-1.37	0.25	0.69			0.05	1.71	-0.38	1.33
KXC2121	e1	-5.69	4.96	1.78	-0.04	0.08			0.12	-0.73	1.94	1.21
KWS Editio	S	-1.27	0.05	0.90	-0.07	1.03			-0.01	-1.22	1.85	0.63
SY Fertilius	e1	-0.21	-1.10	0.46	0.31	0.62			-0.10	-1.31	1.29	-0.02
SY Amfora	S	1.27	-0.05	-0.90	0.07	-1.03			0.01	1.22	-1.85	-0.63
Bone	e1	1.22	-3.42	0.24	0.01	0.23			0.15	-2.20	0.63	-1.57
SY Granaris	e2	-4.82	-0.28	1.90	-0.16	0.76			0.15	-5.10	2.65	-2.45
SY Glorius	T	-6.78	1.95	0.03	0.37	0.07			0.12	-4.83	0.59	-4.24
P8888	S	-8.29	6.93	-2.99	-0.10	-0.37			0.00	-1.36	-3.46	-4.82
SY Bradford	e1	-1.44	-2.44	-2.01	0.43	0.19			0.08	-3.88	-1.31	-5.19
P9967	e1	-9.48	7.03	-3.84	-0.32	0.89			-0.03	-2.45	-3.30	-5.75
P9610	S	-8.50	4.19	-2.20	-0.19	0.56			-0.03	-4.31	-1.86	-6.17
KXC1366	e1	-8.53	2.02	-0.58	-0.30	0.62			0.14	-6.51	-0.12	-6.63
KWS Sabino	S	-10.21	0.77	1.82	-0.25	1.06			-0.15	-9.44	2.48	-6.96
SY Enermax	S	-10.41	1.17	-0.29	-0.29	0.86			0.15	-9.24	0.43	-8.81
KXC1368	e2	-8.71	0.98	-0.10	-0.17	-1.13			0.06	-7.73	-1.34	-9.07
P9911	T	-10.66	6.85	-6.20	-0.15	0.16			0.12	-3.81	-6.07	-9.88
Mendy	e2	-8.38	4.20	-7.29	-0.21	0.18			0.08	-4.18	-7.24	-11.42
SC3211	e1	-9.28	1.44	-5.23	-0.47	1.24			0.14	-7.84	-4.32	-12.16
KWS Intelligens	T	-8.42	2.76	-6.62	-0.37	-0.07			0.17	-5.66	-6.89	-12.55
LG 31479	T	-6.29	-0.94	-8.37	-0.37	0.73			-0.64	-7.23	-8.65	-15.88
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00
Anz. Beob.		23	20	23	23	6			11			
Anz. Orte		8	7	8	8	2			4			
Gewichtung		0.40	0.50	1.25	0.50	0.25			0.75			

4.3.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Green snapping %	Wurzel- lager Veg. %	Stängel- bruch Veg. %
P8888	4.0	66.5	65.2	270.4	128.0	47.3	0.4	27.0	0.0
SY Enermax	4.4	67.7	67.0	270.0	118.4	43.9	1.2	7.3	1.9
KWS Sabino	4.3	70.4	67.7	252.1	112.2	44.5	0.0	4.0	0.0
SY Amfora	3.7	65.8	63.6	254.1	111.1	43.7	0.0	37.5	0.6
P9610	4.2	69.2	68.7	261.1	118.7	45.4	0.0	12.0	0.0
KWS Editio	4.0	63.9	62.5	259.2	108.1	41.8	3.1	4.6	0.0
Bismark	3.8	63.1	62.5	234.4	102.8	43.9	5.6	13.0	1.9
KXC1211 (KWS Go)	3.7	65.7	64.3	265.9	113.7	42.8	9.1	14.9	0.0
KXC1368	4.2	65.5	64.2	253.9	112.3	44.3	0.7	39.1	0.0
SY Granaris	4.2	67.5	66.3	256.0	121.8	47.5	0.3	8.9	0.0
Mendy	4.3	70.1	68.6	273.2	142.6	52.2	8.0	18.3	3.7
SU Crumber	3.8	67.2	65.8	260.7	112.4	43.1	1.3	13.9	0.0
LZM272/33	3.3	64.8	63.5	265.7	127.9	48.2	3.6	10.0	0.0
P9967	4.5	70.0	69.4	261.9	122.0	46.6	0.0	6.8	0.0
KXC1366	4.4	67.2	66.2	245.2	112.0	45.6	1.0	11.1	0.0
KXC2121	3.9	66.2	65.0	261.7	109.2	41.7	8.3	19.8	0.0
SY Bradford	3.0	64.1	62.5	257.0	122.5	47.7	0.8	18.1	0.0
SC3211	4.8	71.1	69.7	258.9	124.2	48.0	0.3	1.2	0.0
SY Fertilius	3.2	63.7	62.1	258.9	110.9	43.0	1.9	11.1	0.6
Bone	3.8	64.3	63.3	245.7	111.5	45.4	1.3	17.3	0.0
P9911	4.1	70.3	69.5	256.6	119.5	46.6	0.3	18.5	0.0
LG 31479	4.6	71.3	68.9	273.8	130.8	47.8	1.2	9.4	0.0
SY Glorius	3.1	65.8	63.7	262.8	106.4	40.5	3.0	19.9	0.0
KWS Inteligens	4.6	70.1	67.4	257.5	104.3	40.4	0.0	22.2	0.0
Bezugsgrösse(n)	3.8	64.9	63.0	256.6	109.6	42.8	1.5	21.1	0.3
Versuchs-Mittel	4.0	67.1	65.7	259.0	116.8	45.1	2.1	15.3	0.4
VK [%]	15.1	2.1	2.4	4.0	7.9	7.5	168.6	90.8	165.0
KGD (5%)	0.4	1.1	1.2	7.6	6.9	2.5	4.1	15.9	1.0
KGD (1%)	0.5	1.4	1.6	10.1	9.1	3.3	5.5	21.0	1.3
Versuchs-Streuung	0.6	1.4	1.6	10.2	9.2	3.4	3.6	13.8	0.6
FG Fehlerterm	334.0	204.0	204.0	202.0	204.0	204.0	90.0	90.0	44.0
Anz. Beob.	23.0	14.0	14.0	14.0	14.0	14.0	6.0	6.0	3.0
Anz. Orte	8.0	5.0	5.0	5.0	5.0	5.0	2.0	2.0	1.0
Minimum	3.0	63.1	62.1	234.4	102.8	40.4	0.0	1.2	0.0
Maximum	4.8	71.3	69.7	273.8	142.6	52.2	9.1	39.1	3.7

Sorten Bezeich- nung	Beulen- brand %	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS
P8888	1.3	7.9	646.3	241.8	37.4	170.4	85.1	703.8	351.6
SY Enermax	0.2	7.9	580.1	228.6	39.6	159.6	85.7	698.5	374.6
KWS Sabino	2.5	8.2	557.3	227.7	41.2	159.4	84.8	699.0	371.3
SY Amfora	1.2	8.1	579.6	225.9	39.1	164.6	89.2	727.7	391.5
P9610	1.6	7.9	617.4	235.5	38.0	166.6	92.2	703.3	385.8
KWS Editio	1.5	8.3	561.3	226.1	40.5	163.5	91.9	721.3	406.2
Bismark	0.4	7.7	544.6	215.5	40.0	159.6	92.1	738.2	420.9
KXC1211 (KWS Go)	1.3	8.2	560.9	236.0	42.5	167.3	93.2	711.5	398.7
KXC1368	0.8	8.0	576.1	228.2	39.7	160.4	87.7	702.7	384.8
SY Granaris	0.1	8.1	549.2	225.3	41.3	161.0	89.9	712.4	396.9
Mendy	0.7	7.8	689.5	235.6	34.0	167.3	89.3	703.5	369.6
SU Crumber	0.6	7.9	601.4	232.3	38.6	168.8	94.5	727.6	406.9
LZM272/33	0.9	8.0	601.2	232.9	38.7	168.8	88.7	721.2	375.0
P9967	1.6	7.9	658.5	242.0	36.7	170.7	90.9	700.8	367.8
KXC1366	0.2	8.1	588.3	230.6	39.3	162.7	88.5	703.2	381.0
KXC2121	0.4	8.2	572.3	237.3	41.2	168.4	91.2	710.3	387.0
SY Bradford	0.7	7.6	579.9	220.4	38.2	158.5	86.3	720.9	391.7
SC3211	0.2	8.1	643.4	229.3	35.6	161.7	86.3	701.3	367.4
SY Fertilius	2.1	7.7	556.1	223.5	40.2	161.7	86.6	724.0	387.5
Bone	0.2	7.9	543.3	218.1	40.0	158.5	90.3	727.5	414.4
P9911	0.4	8.1	690.8	241.6	34.8	169.6	88.9	697.8	358.5
LG 31479	6.5	7.9	674.8	223.8	33.1	159.1	81.5	708.8	359.3
SY Glorius	0.4	7.9	579.4	230.4	39.8	163.8	88.9	707.5	380.8
KWS Inteligens	0.0	7.8	681.7	232.3	34.5	164.6	85.3	703.4	361.5
Bezugsgrösse(n)	1.3	8.2	570.4	226.0	39.8	164.1	90.6	724.5	398.9
Versuchs-Mittel	1.1	8.0	601.4	230.0	38.5	164.0	88.7	711.5	383.0
VK [%]	146.1	5.0	7.3	6.7	5.0	7.2	9.7	2.4	6.6
KGD (5%)	1.3	0.2	27.2	9.5	1.1	7.4	5.4	9.9	14.7
KGD (1%)	1.7	0.3	35.9	12.6	1.5	9.7	7.1	13.0	19.3
Versuchs-Streuung	1.6	0.4	43.8	15.3	1.9	11.9	8.6	17.0	25.3
FG Fehlerterm	159.0	339.0	289.0	289.0	336.0	291.0	291.0	338.0	344.0
Anz. Beob.	11.0	23.0	20.0	20.0	23.0	20.0	20.0	23.0	23.0
Anz. Orte	4.0	8.0	7.0	7.0	8.0	7.0	7.0	8.0	8.0
Minimum	0.0	7.6	543.3	215.5	33.1	158.5	81.5	697.8	351.6
Maximum	6.5	8.3	690.8	242.0	42.5	170.7	94.5	738.2	420.9

Sorten Bezeichnung	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS
P8888	188.6	420.8	234.5	26.9	76.2	6.4	6.6
SY Enermax	188.6	415.3	229.5	27.7	73.2	6.3	6.5
KWS Sabino	188.9	426.0	231.9	25.7	71.0	6.4	6.5
SY Amfora	176.4	398.9	217.3	22.2	70.0	6.7	6.9
P9610	185.2	413.3	228.3	26.5	71.6	6.4	6.6
KWS Editio	176.3	390.4	213.6	23.8	72.9	6.6	6.8
Bismark	163.3	369.4	196.9	22.5	79.8	6.8	7.1
KXC1211 (KWS Go)	178.4	395.7	216.9	25.6	73.8	6.5	6.7
KXC1368	183.3	416.4	224.7	25.8	71.8	6.4	6.6
SY Granaris	180.4	406.0	221.4	25.8	70.5	6.5	6.7
Mendy	190.4	419.3	232.1	26.7	73.4	6.4	6.6
SU Crumber	175.2	383.4	208.4	23.5	75.1	6.7	6.9
LZM272/33	183.0	403.2	223.2	23.3	73.7	6.6	6.8
P9967	191.9	418.1	233.5	27.1	73.0	6.4	6.5
KXC1366	187.2	419.1	229.5	26.0	70.9	6.4	6.6
KXC2121	181.9	403.0	220.8	25.0	71.1	6.5	6.7
SY Bradford	178.9	393.7	217.7	23.7	74.9	6.6	6.8
SC3211	189.7	419.1	232.4	27.2	75.2	6.4	6.5
SY Fertilius	178.3	399.0	219.7	23.0	73.7	6.6	6.9
Bone	170.0	379.4	203.3	22.9	75.8	6.7	6.9
P9911	193.6	420.7	234.1	26.9	74.7	6.3	6.5
LG 31479	188.7	413.5	227.1	25.9	74.9	6.5	6.7
SY Glorius	183.7	409.1	224.1	25.4	74.3	6.4	6.6
KWS Inteligens	185.2	414.5	227.0	27.2	75.1	6.4	6.6
Bezugsgrösse(n)	176.4	394.6	215.4	23.0	71.5	6.6	6.9
Versuchs-Mittel	182.8	406.1	222.8	25.3	73.6	6.5	6.7
VK [%]	6.9	5.2	6.4	7.3	4.2	2.9	3.7
KGD (5%)	7.3	12.4	8.3	1.1	1.8	0.1	0.1
KGD (1%)	9.6	16.3	10.9	1.4	2.4	0.1	0.2
Versuchs-Streuung	12.6	21.3	14.2	1.8	3.1	0.2	0.2
FG Fehlerterm	340.0	340.0	338.0	336.0	336.0	340.0	338.0
Anz. Beob.	23.0	23.0	23.0	23.0	23.0	23.0	23.0
Anz. Orte	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Minimum	163.3	369.4	196.9	22.2	70.0	6.3	6.5
Maximum	193.6	426.0	234.5	27.7	79.8	6.8	7.1

4.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	4.0 -----	5.0 -----	3.7 -----	4.7 -----	6.0 -----
SY Enermax	4.4 -----	6.0 -----	4.0 -----	4.7 -----	6.3 -----
KWS Sabino	4.3 -----	5.0 -----	4.3 -----	4.7 -----	6.0 -----
SY Amfora	3.7 -----	5.0 -----	4.0 -----	3.3 --	5.0 ---
P9610	4.2 -----	4.5 ---	4.7 -----	4.7 -----	6.3 -----
KWS Editio	4.0 -----	5.5 -----	4.7 -----	4.0 -----	5.0 ---
Bismark	3.8 -----	4.0 -	4.3 -----	4.3 -----	5.3 -----
KXC1211 (KWS Go)	3.7 -----	4.5 ---	3.7 -----	4.0 -----	5.3 -----
KXC1368	4.2 -----	5.5 -----	3.7 -----	4.3 -----	6.3 -----
SY Granaris	4.2 -----	5.0 -----	4.3 -----	4.3 -----	6.3 -----
Mendy	4.3 -----	5.0 -----	4.0 -----	5.0 -----	6.0 -----
SU Crumber	3.8 -----	5.0 -----	3.3 -----	4.3 -----	5.7 -----
LZM272/33	3.3 ---	5.0 -----	2.3 -	3.0 -	4.3 -
P9967	4.5 -----	5.5 -----	4.0 -----	5.0 -----	6.3 -----
KXC1366	4.4 -----	5.5 -----	4.0 -----	5.3 -----	6.0 -----
KXC2121	3.9 -----	5.0 -----	4.0 -----	4.3 -----	5.3 -----
SY Bradford	3.0 -	4.5 ---	3.0 ---	3.3 --	5.0 ---
SC3211	4.8 -----	5.5 -----	4.0 -----	5.3 -----	6.3 -----
SY Fertilius	3.2 --	4.5 ---	3.0 ---	3.3 --	5.3 -----
Bone	3.8 -----	4.5 ---	4.3 -----	4.3 -----	5.7 -----
P9911	4.1 -----	5.5 -----	4.3 -----	4.7 -----	5.3 -----
LG 31479	4.6 -----	6.0 -----	3.7 -----	5.0 -----	6.0 -----
SY Glorius	3.1 -	4.5 ---	3.0 ---	3.3 --	5.3 -----
KWS Inteligens	4.6 -----	6.0 -----	4.3 -----	4.7 -----	6.7 -----
-Bezugsgrösse(n)	3.8 -----	5.3 -----	4.3 -----	3.7 ---	5.0 ---
Versuchs-Mittel	4.0 -----	5.1 -----	3.9 -----	4.3 -----	5.7 -----
VK [%]	15.1	11.6	15.9	14.8	10.9
KGD (5%)	0.4	ns	1.0	1.1	1.0
KGD (1%)	0.5	ns	1.4	1.4	1.4
Versuchs-Streuung	0.6	0.6	0.6	0.6	0.6
FG Fehlerterm	334.0	23.0	43.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	124.5	23	14.81	***	1.56	0.0000
Anbauorte	460.3	7	179.83	***	2.04	0.0000
WW Verf.*Anb.Orte	66.9	161	1.14	ns	1.24	
Fehler	122.1	334				
Insgesamt	773.8	525				

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	3.0 -----	3.7 -----	3.0 ----	3.3 -----
SY Enermax	3.3 -----	4.0 -----	3.7 -----	3.3 -----
KWS Sabino	3.7 -----	3.7 -----	3.7 -----	3.7 -----
SY Amfora	3.0 -----	2.7 ----	3.3 -----	3.3 -----
P9610	3.3 -----	3.7 -----	3.7 -----	3.0 ----
KWS Editio	3.0 -----	3.3 -----	3.3 -----	3.0 ----
Bismark	2.3 ---	3.3 -----	3.3 -----	3.0 ----
KXC1211 (KWS Go)	2.7 ----	3.0 ----	3.3 -----	3.0 ----
KXC1368	3.0 -----	3.7 -----	3.7 -----	3.3 -----
SY Granaris	2.7 ----	3.7 -----	3.7 -----	3.3 -----
Mendy	3.3 -----	4.0 -----	3.3 -----	3.3 -----
SU Crumber	2.7 ----	3.0 ----	2.7 ---	3.3 -----
LZM272/33	3.0 -----	3.3 -----	3.0 ----	2.7 --
P9967	3.3 -----	4.3 -----	3.7 -----	3.7 -----
KXC1366	3.3 -----	3.3 -----	3.7 -----	4.3 -----
KXC2121	3.7 -----	3.0 ----	3.3 -----	2.7 --
SY Bradford	2.0 -	1.7 -	2.0 -	2.3 -
SC3211	3.7 -----	4.7 -----	4.7 -----	4.0 -----
SY Fertilius	2.3 ---	3.0 ----	2.0 -	2.3 -
Bone	3.3 -----	3.0 ----	2.7 ---	2.7 --
P9911	3.3 -----	3.3 -----	3.3 -----	3.3 -----
LG 31479	3.3 -----	5.0 -----	4.3 -----	3.3 -----
SY Glorius	2.0 -	2.0 --	2.3 --	2.3 -
KWS Inteligens	3.3 -----	4.0 -----	3.7 -----	4.0 -----
-Bezugsgrösse(n)	3.0 -----	3.0 ----	3.3 -----	3.2 -----
Versuchs-Mittel	3.0 -----	3.4 -----	3.3 -----	3.2 -----
VK [%]	20.1	19.7	16.9	15.6
KGD (5%)	1.0	1.1	0.9	0.8
KGD (1%)	ns	1.5	1.2	1.1
Versuchs-Streuung	0.6	0.7	0.6	0.5
FG Fehlerterm	44.0	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	66.5 ----	68.5 --	68.0 -----	70.0 ----	68.3 ----
SY Enermax	67.7 -----	70.0 ----	67.7 ----	71.7 -----	69.3 -----
KWS Sabino	70.4 -----	72.5 -----	71.0 -----	74.0 -----	71.3 -----
SY Amfora	65.8 ---	69.0 ---	64.7 --	69.0 ---	68.3 ----
P9610	69.2 -----	69.0 ---	70.7 -----	74.0 -----	70.5 -----
KWS Editio	63.9 --	68.0 -	64.0 --	65.0 -	67.7 ---
Bismark	63.1 -	68.0 -	63.0 -	65.3 -	65.0 -
KXC1211 (KWS Go)	65.7 ----	68.5 --	68.3 -----	67.0 --	67.7 ----
KXC1368	65.5 ---	68.5 --	65.7 ---	68.0 ---	68.7 ----
SY Granaris	67.5 -----	70.0 ----	68.3 -----	72.0 -----	68.0 ----
Mendy	70.1 -----	72.0 -----	71.7 -----	72.7 -----	72.3 -----
SU Crumber	67.2 -----	71.0 -----	69.3 -----	69.7 ----	68.7 ----
LZM272/33	64.8 ---	68.0 -	65.3 ---	67.0 --	67.3 ---
P9967	70.0 -----	71.0 -----	69.7 -----	75.7 -----	70.3 -----
KXC1366	67.2 -----	69.5 ----	69.0 -----	69.3 ----	70.0 -----
KXC2121	66.2 ----	68.5 --	66.7 ----	70.0 ----	68.3 ----
SY Bradford	64.1 --	69.5 ----	64.0 --	66.3 --	66.3 --
SC3211	71.1 -----	72.0 -----	73.0 -----	74.3 -----	71.0 -----
SY Fertilius	63.7 -	68.0 -	63.3 -	66.3 --	66.0 --
Bone	64.3 --	68.0 -	65.0 ---	65.7 -	68.0 ----
P9911	70.3 -----	71.0 -----	70.3 -----	74.0 -----	72.0 -----
LG 31479	71.3 -----	73.0 -----	72.0 -----	75.0 -----	73.0 -----
SY Glorius	65.8 ----	70.5 ----	64.7 --	69.3 ----	67.3 ----
KWS Inteligens	70.1 -----	70.0 ----	70.0 -----	74.7 -----	72.0 -----
-Bezugsgrösse(n)	64.9 ---	68.5 --	64.3 --	67.0 --	68.0 ----
Versuchs-Mittel	67.1 -----	69.8 ----	67.7 -----	70.3 -----	69.1 -----
VK [%]	2.1	2.3	2.8	2.1	1.6
KGD (5%)	1.1	ns	3.1	2.4	1.8
KGD (1%)	1.4	ns	4.1	3.2	2.4
Versuchs-Streuung	1.4	1.6	1.9	1.4	1.1
FG Fehlerterm	204.0	23.0	46.0	46.0	45.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2164.8	23	45.48 ***	1.58	0.0000
Anbauorte	5907.8	4	713.63 ***	2.42	0.0000
WW Verf. *Anb.Orte	431.0	92	2.26 ***	1.33	0.0003
Fehler	422.2	204			
Insgesamt	8925.9	323			

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
P8888	57.7	----
SY Enermax	59.7	-----
KWS Sabino	63.0	-----
SY Amfora	58.0	----
P9610	61.7	-----
KWS Editio	55.0	-
Bismark	54.3	-
KXC1211 (KWS Go)	57.0	---
KXC1368	56.7	---
SY Granaris	59.3	-----
Mendy	62.0	-----
SU Crumber	57.3	---
LZM272/33	56.3	--
P9967	63.3	-----
KXC1366	58.0	----
KXC2121	57.3	---
SY Bradford	54.3	-
SC3211	65.0	-----
SY Fertilius	54.7	-
Bone	55.0	-
P9911	64.0	-----
LG 31479	63.7	-----
SY Glorius	57.0	---
KWS Inteligens	64.0	-----
-Bezugsgrösse(n)	56.5	---
Versuchs-Mittel	58.9	-----
VK [%]	1.9	
KGD (5%)	1.8	
KGD (1%)	2.4	
Versuchs-Streuung	1.1	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	65.2 ----	67.5 --	66.0 ----	68.0 ----	67.7 ----
SY Enermax	67.0 -----	68.5 ----	66.0 ----	69.7 -----	70.0 -----
KWS Sabino	67.7 -----	70.5 -----	69.0 -----	72.0 -----	68.0 ----
SY Amfora	63.6 ---	68.0 ---	62.7 --	66.0 ---	66.0 --
P9610	68.7 -----	68.5 ----	69.0 -----	72.0 -----	71.5 -----
KWS Editio	62.5 -	67.0 -	61.7 -	63.3 -	66.0 --
Bismark	62.5 -	67.0 -	61.0 -	63.7 -	66.0 --
KXC1211 (KWS Go)	64.3 ---	67.0 -	66.0 ----	65.0 --	67.0 ---
KXC1368	64.2 ---	67.5 --	63.7 ---	66.0 ---	67.3 ---
SY Granaris	66.3 -----	69.0 -----	66.3 -----	70.0 -----	67.0 ---
Mendy	68.6 -----	70.5 -----	70.0 -----	70.7 -----	70.3 -----
SU Crumber	65.8 ----	69.5 -----	67.3 -----	67.7 ----	67.3 ---
LZM272/33	63.5 --	67.0 -	63.3 ---	65.0 --	66.3 --
P9967	69.4 -----	69.5 -----	68.7 -----	73.7 -----	70.7 -----
KXC1366	66.2 -----	68.5 ----	67.3 -----	67.3 ----	69.7 -----
KXC2121	65.0 ----	67.5 --	64.7 ----	68.0 ----	68.0 ----
SY Bradford	62.5 -	68.5 ----	61.7 -	64.0 -	65.3 -
SC3211	69.7 -----	70.5 -----	71.3 -----	72.3 -----	70.7 -----
SY Fertilus	62.1 -	67.0 -	61.3 -	63.7 -	65.3 -
Bone	63.3 --	67.0 -	63.0 ---	63.7 -	68.3 ----
P9911	69.5 -----	70.0 -----	68.7 -----	72.0 -----	72.3 -----
LG 31479	68.9 -----	71.0 -----	69.0 -----	72.7 -----	70.3 -----
SY Glorius	63.7 ---	69.0 ----	62.0 --	67.3 ----	65.7 -
KWS Inteligens	67.4 -----	69.0 ----	68.0 -----	72.3 -----	69.7 -----
-Bezugsgrösse(n)	63.0 --	67.5 --	62.2 --	64.7 --	66.0 --
Versuchs-Mittel	65.7 ----	68.5 ----	65.7 ----	68.2 ----	68.2 ----
VK [%]	2.4	2.0	3.2	2.2	2.3
KGD (5%)	1.2	ns	3.5	2.5	2.5
KGD (1%)	1.6	ns	4.6	3.3	3.4
Versuchs-Streuung	1.6	1.4	2.1	1.5	1.5
FG Fehlerterm	204.0	23.0	46.0	46.0	45.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2091.7	23	36.56 ***	1.58	0.0000
Anbauorte	5394.8	4	542.21 ***	2.42	0.0000
WW Verf. *Anb.Orte	525.3	92	2.30 ***	1.33	0.0003
Fehler	507.4	204			
Insgesamt	8519.3	323			

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
P8888	57.0	----
SY Enermax	60.7	-----
KWS Sabino	59.0	-----
SY Amfora	55.3	---
P9610	62.3	-----
KWS Editio	54.3	--
Bismark	54.7	--
KXC1211 (KWS Go)	56.3	---
KXC1368	56.3	---
SY Granaris	59.0	-----
Mendy	61.3	-----
SU Crumber	57.0	----
LZM272/33	55.7	---
P9967	64.7	-----
KXC1366	58.0	-----
KXC2121	56.7	----
SY Bradford	53.0	-
SC3211	63.7	-----
SY Fertilius	53.0	-
Bone	54.3	--
P9911	64.7	-----
LG 31479	61.3	-----
SY Glorius	54.7	--
KWS Inteligens	58.0	-----
-Bezugsgrösse(n)	54.8	--
Versuchs-Mittel	58.0	-----
VK [%]	1.8	
KGD (5%)	1.7	
KGD (1%)	2.2	
Versuchs-Streuung	1.0	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	270.4	267.5	276.7	270.0	248.3
SY Enermax	270.0	255.0	281.7	270.0	256.0
KWS Sabino	252.1	250.0	263.3	245.0	243.7
SY Amfora	254.1	250.0	256.7	255.0	238.0
P9610	261.1	270.0	268.3	246.7	240.0
KWS Editio	259.2	260.0	266.7	265.0	239.7
Bismark	234.4	235.0	231.7	243.3	210.0
KXC1211 (KWS Go)	265.9	260.0	273.3	265.0	245.7
KXC1368	253.9	245.0	255.0	250.0	249.0
SY Granaris	256.0	242.5	268.3	261.7	237.7
Mendy	273.2	257.5	283.3	271.7	260.0
SU Crumber	260.7	255.0	266.7	258.3	243.3
LZM272/33	265.7	265.0	270.0	270.0	250.7
P9967	261.9	275.0	271.7	243.3	246.0
KXC1366	245.2	245.0	246.7	238.3	235.3
KXC2121	261.7	252.5	270.0	260.0	249.0
SY Bradford	257.0	252.5	260.0	263.3	238.3
SC3211	258.9	265.0	271.7	255.0	233.3
SY Fertilius	258.9	257.5	265.0	263.3	232.7
Bone	245.7	247.5	236.7	251.7	239.0
P9911	256.6	270.0	261.7	248.3	238.3
LG 31479	273.8	275.0	285.0	271.7	253.3
SY Glorius	262.8	265.0	271.7	268.3	246.3
KWS Inteligens	257.5	260.0	268.3	248.3	239.3
-Bezugsgrösse(n)	256.6	255.0	261.7	260.0	238.8
Versuchs-Mittel	259.0	257.4	265.4	257.6	242.2
VK [%]	4.0	5.1	3.5	4.1	4.1
KGD (5%)	7.6	ns	15.2	17.5	16.5
KGD (1%)	10.1	ns	20.2	23.4	22.1
Versuchs-Streuung	10.2	13.2	9.2	10.7	10.0
FG Fehlerterm	202.0	23.0	46.0	46.0	43.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	26520.0	23	11.00 ***	1.58	0.0000
Anbauorte	34233.7	4	81.64 ***	2.42	0.0000
WW Verf.*Anb.Orte	12495.5	92	1.30 ns	1.33	
Fehler	21175.0	202			
Insgesamt	94424.2	321			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
Ellighausen TG		
P8888	289.7	-----
SY Enermax	287.3	-----
KWS Sabino	258.3	--
SY Amfora	270.7	-----
P9610	280.3	-----
KWS Editio	264.7	----
Bismark	252.0	-
KXC1211 (KWS Go)	285.3	-----
KXC1368	270.7	----
SY Granaris	270.0	----
Mendy	293.7	-----
SU Crumber	280.0	-----
LZM272/33	273.0	-----
P9967	273.3	-----
KXC1366	260.7	---
KXC2121	277.0	-----
SY Bradford	270.7	----
SC3211	269.7	----
SY Fertilius	276.0	-----
Bone	253.7	-
P9911	264.7	----
LG 31479	284.0	-----
SY Glorius	262.7	---
KWS Inteligens	271.7	----
-Bezugsgrösse(n)	267.7	----
Versuchs-Mittel	272.5	-----
VK [%]	3.4	
KGD (5%)	15.0	
KGD (1%)	20.1	
Versuchs-Streuung	9.1	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	128.0 -----	127.5 -----	135.0 -----	128.3 -----	116.7 -----
SY Enermax	118.4 ----	107.5 ---	126.7 -----	116.7 ----	114.7 ----
KWS Sabino	112.2 ---	102.5 -	113.3 ----	115.0 ----	107.7 ----
SY Amfora	111.1 ---	115.0 -----	105.0 ---	110.0 ---	105.0 ---
P9610	118.7 ----	130.0 -----	116.7 ----	116.7 ----	101.0 ---
KWS Editio	108.1 --	110.0 ----	105.0 ---	110.0 ---	112.3 ----
Bismark	102.8 -	112.5 ----	96.7 -	113.3 ----	93.0 -
KXC1211 (KWS Go)	113.7 ---	117.5 -----	113.3 ----	111.7 ----	107.3 ----
KXC1368	112.3 ---	105.0 --	113.3 ----	120.0 -----	111.0 ----
SY Granaris	121.8 ----	100.0 -	125.0 -----	131.7 -----	117.7 -----
Mendy	142.6 -----	127.5 -----	135.0 -----	138.3 -----	143.3 -----
SU Crumber	112.4 ---	115.0 -----	105.0 ---	115.0 ----	105.7 ----
LZM272/33	127.9 -----	125.0 -----	131.7 -----	131.7 -----	129.3 -----
P9967	122.0 ----	122.5 -----	130.0 -----	125.0 -----	107.0 ----
KXC1366	112.0 ---	110.0 ----	111.7 ----	108.3 ---	106.3 ----
KXC2121	109.2 --	100.0 -	115.0 ----	101.7 -	106.0 ----
SY Bradford	122.5 -----	117.5 -----	120.0 -----	130.0 -----	113.3 ----
SC3211	124.2 -----	120.0 -----	125.0 -----	133.3 -----	112.7 ----
SY Fertilius	110.9 ---	107.5 ---	105.0 ---	111.7 ----	119.0 -----
Bone	111.5 ---	110.0 ----	113.3 ----	116.7 ----	101.0 ---
P9911	119.5 ----	122.5 -----	120.0 -----	125.0 -----	106.3 ----
LG 31479	130.8 -----	122.5 -----	138.3 -----	133.3 -----	124.0 -----
SY Glorius	106.4 --	110.0 ----	103.3 --	106.7 --	105.0 ----
KWS Inteligens	104.3 -	100.0 -	113.3 ----	100.0 -	89.3 -
-Bezugsgrösse(n)	109.6 --	112.5 ----	105.0 ---	110.0 ---	108.7 ----
Versuchs-Mittel	116.8 ----	114.1 ----	117.4 -----	118.8 ----	110.6 ----
VK [%]	7.9	9.4	8.0	8.1	6.5
KGD (5%)	6.9	ns	15.4	15.7	11.9
KGD (1%)	9.1	ns	20.5	21.0	15.9
Versuchs-Streuung	9.2	10.7	9.4	9.6	7.2
FG Fehlerterm	204.0	23.0	46.0	46.0	43.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	28686.0	23	14.58 ***	1.58	0.0000
Anbauorte	6113.9	4	17.87 ***	2.42	0.0000
WW Verf.*Anb.Orte	12837.8	92	1.63 ns	1.33	
Fehler	17445.2	204			
Insgesamt	65082.8	323			

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	8566	
	Ellighausen TG	
P8888	132.3	-----
SY Enermax	126.3	-----
KWS Sabino	122.3	----
SY Amfora	120.3	----
P9610	129.0	-----
KWS Editio	103.0	-
Bismark	98.3	-
KXC1211 (KWS Go)	118.7	---
KXC1368	112.3	---
SY Granaris	134.7	-----
Mendy	169.0	-----
SU Crumber	121.3	----
LZM272/33	122.0	----
P9967	125.7	----
KXC1366	123.7	----
KXC2121	123.3	----
SY Bradford	131.7	-----
SC3211	130.0	-----
SY Fertilius	111.3	--
Bone	116.7	---
P9911	123.7	----
LG 31479	135.7	-----
SY Glorius	107.0	--
KWS Inteligens	118.7	---
-Bezugsgrösse(n)	111.7	--
Versuchs-Mittel	123.2	----
VK [%]	7.9	
KGD (5%)	15.9	
KGD (1%)	21.3	
Versuchs-Streuung	9.7	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	47.3 -----	47.7 -----	48.8 -----	47.5 -----	47.0 -----
SY Enermax	43.9 ----	42.2 ----	44.9 -----	43.3 ----	44.8 -----
KWS Sabino	44.5 ----	41.0 ---	43.0 ----	46.9 -----	44.2 ----
SY Amfora	43.7 ---	46.0 -----	40.9 ---	43.1 ----	44.2 ----
P9610	45.4 ----	48.1 -----	43.5 -----	47.3 -----	42.1 ---
KWS Editio	41.8 --	42.3 ----	39.3 --	41.4 --	47.1 -----
Bismark	43.9 ----	47.9 -----	41.5 ----	46.6 -----	44.3 ----
KXC1211 (KWS Go)	42.8 ---	45.2 -----	41.4 ----	42.1 ---	43.7 ----
KXC1368	44.3 ----	42.9 ----	44.4 ----	48.2 -----	44.5 ----
SY Granaris	47.5 -----	41.2 ---	46.5 -----	50.4 -----	49.5 -----
Mendy	52.2 -----	49.4 -----	47.6 -----	50.9 -----	55.4 -----
SU Crumber	43.1 ---	44.9 -----	39.3 --	44.5 ----	43.4 ----
LZM272/33	48.2 -----	47.2 -----	48.8 -----	48.9 -----	51.6 -----
P9967	46.6 ----	44.5 ----	47.8 -----	51.4 -----	43.6 ----
KXC1366	45.6 ----	44.9 -----	45.1 -----	45.5 ----	45.2 ----
KXC2121	41.7 --	39.6 --	42.4 ----	39.1 -	42.6 ----
SY Bradford	47.7 -----	46.6 -----	46.1 -----	49.4 -----	47.6 -----
SC3211	48.0 -----	45.2 -----	46.0 -----	52.4 -----	48.3 -----
SY Fertilius	43.0 ---	41.6 ----	39.6 --	42.4 ---	51.1 -----
Bone	45.4 ----	44.4 ----	47.9 -----	46.4 ----	42.2 ---
P9911	46.6 -----	45.5 -----	45.8 -----	50.2 -----	44.8 -----
LG 31479	47.8 -----	44.5 -----	48.5 -----	49.1 -----	49.0 -----
SY Glorius	40.5 -	41.2 ---	38.0 -	39.7 -	42.6 ----
KWS Inteligens	40.4 -	38.4 -	42.3 ----	40.3 --	37.2 -
-Bezugsgrösse(n)	42.8 ---	44.2 -----	40.1 ---	42.3 ---	45.6 -----
Versuchs-Mittel	45.1 -----	44.3 -----	44.1 -----	46.1 -----	45.7 -----
VK [%]	7.5	7.4	7.1	7.6	7.7
KGD (5%)	2.5	ns	5.2	5.8	5.8
KGD (1%)	3.3	ns	6.9	7.7	7.8
Versuchs-Streuung	3.4	3.3	3.2	3.5	3.5
FG Fehlerterm	204.0	23.0	46.0	46.0	43.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2583.0	23	9.75 ***	1.58	0.0000
Anbauorte	199.2	4	4.32 **	2.42	0.0022
WW Verf.*Anb.Orte	1654.5	92	1.56 ns	1.33	
Fehler	2349.5	204			
Insgesamt	6786.1	323			

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	8566	
	Ellighausen TG	
P8888	45.7	----
SY Enermax	44.2	---
KWS Sabino	47.3	-----
SY Amfora	44.4	-----
P9610	46.0	----
KWS Editio	38.8	-
Bismark	39.1	-
KXC1211 (KWS Go)	41.6	--
KXC1368	41.5	--
SY Granaris	49.9	-----
Mendy	57.6	-----
SU Crumber	43.3	---
LZM272/33	44.7	----
P9967	45.9	----
KXC1366	47.4	-----
KXC2121	44.6	----
SY Bradford	48.7	-----
SC3211	48.2	-----
SY Fertilius	40.3	-
Bone	46.0	----
P9911	46.7	-----
LG 31479	47.8	-----
SY Glorius	40.7	--
KWS Inteligens	43.7	---
-Bezugsgrösse(n)	41.6	--
Versuchs-Mittel	45.2	----
VK [%]	7.6	
KGD (5%)	5.7	
KGD (1%)	7.6	
Versuchs-Streuung	3.4	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Green snapping [%] / Green snapping [%]

Verfahren	Seriemittel	8566 Ellighausen TG	9465 Salez
P8888	0.4 -	0.0 -	0.9 -
SY Enermax	1.2 --	0.0 -	2.3 --
KWS Sabino	0.0 -	0.0 -	0.0 -
SY Amfora	0.0 -	0.0 -	0.0 -
P9610	0.0 -	0.0 -	0.0 -
KWS Editio	3.1 ----	3.1 ---	3.1 --
Bismark	5.6 -----	0.6 -	10.6 -----
KXC1211 (KWS Go)	9.1 -----	1.9 --	16.3 -----
KXC1368	0.7 -	0.0 -	1.3 -
SY Granaris	0.3 -	0.0 -	0.6 -
Mendy	8.0 -----	15.3 -----	0.7 -
SU Crumber	1.3 --	0.0 -	2.5 --
LZM272/33	3.6 ----	0.6 -	6.6 ----
P9967	0.0 -	0.0 -	0.0 -
KXC1366	1.0 --	2.0 --	0.0 -
KXC2121	8.3 -----	0.6 -	15.9 -----
SY Bradford	0.8 --	0.0 -	1.7 --
SC3211	0.3 -	0.6 -	0.0 -
SY Fertilius	1.9 ---	3.1 ---	0.7 -
Bone	1.3 --	0.0 -	2.5 --
P9911	0.3 -	0.0 -	0.7 -
LG 31479	1.2 --	1.8 --	0.7 -
SY Glorius	3.0 ----	0.6 -	5.4 ----
KWS Inteligens	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	1.5 --	1.5 --	1.5 --
Versuchs-Mittel	2.1 ---	1.3 -	3.0 --
VK [%]	168.6	305.0	111.7
KGD (5%)	4.1	6.3	5.5
KGD (1%)	5.5	ns	7.4
Versuchs-Streuung	3.6	3.8	3.4
FG Fehlerterm	90.0	44.0	46.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1081.3	23	3.62 ***	1.65	0.0001
Anbauorte	111.7	1	8.59 **	3.94	0.0043
WW Verf. *Anb.Orte	1162.5	23	3.89 ***	1.65	0.0001
Fehler	1170.0	90			
Insgesamt	3525.4	137			

Verse en végétation [%] / Wurzellagerung Vegetation [%]

Verfahren	Seriemittel	8193 Eglisau ZH	9465 Salez
P8888	27.0 -----	47.5 -----	6.5 ---
SY Enermax	7.3 --	13.0 --	1.6 -
KWS Sabino	4.0 -	6.8 -	1.3 -
SY Amfora	37.5 -----	45.1 -----	29.9 -----
P9610	12.0 ---	24.1 ----	0.0 -
KWS Editio	4.6 -	9.3 --	0.0 -
Bismark	13.0 ----	22.2 ----	3.8 --
KXC1211 (KWS Go)	14.9 ----	27.2 ----	2.7 -
KXC1368	39.1 -----	67.3 -----	10.9 ----
SY Granaris	8.9 ---	17.3 ---	0.6 -
Mendy	18.3 -----	34.6 -----	1.9 -
SU Crumber	13.9 ----	25.9 ----	1.9 -
LZM272/33	10.0 ---	16.7 ---	3.4 --
P9967	6.8 --	13.6 --	0.0 -
KXC1366	11.1 ---	22.2 ----	0.0 -
KXC2121	19.8 -----	39.5 -----	0.0 -
SY Bradford	18.1 -----	27.8 -----	8.4 ---
SC3211	1.2 -	2.5 -	0.0 -
SY Fertilius	11.1 ---	16.0 ---	6.2 ---
Bone	17.3 -----	32.1 -----	2.5 -
P9911	18.5 -----	37.0 -----	0.0 -
LG 31479	9.4 ---	14.8 ---	4.0 --
SY Glorius	19.9 -----	35.8 -----	4.1 --
KWS Inteligens	22.2 -----	37.7 -----	6.7 ---
-Bezugsgrösse(n)	21.1 -----	27.2 ----	15.0 -----
Versuchs-Mittel	15.3 ----	26.5 ----	4.0 --
VK [%]	90.8	72.9	107.1
KGD (5%)	15.9	31.8	7.1
KGD (1%)	21.0	ns	9.4
Versuchs-Streuung	13.8	19.3	4.3
FG Fehlerterm	90.0	44.0	46.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12274.1	23	2.78 ***	1.65	0.0006
Anbauorte	18186.2	1	94.85 ***	3.94	0.0000
WW Verf.*Anb.Orte	5814.2	23	1.32 ns	1.65	0.1788
Fehler	17255.6	90			
Insgesamt	53530.0	137			

Plantes cassées pendant la végétation [%] / Stängelbruch Vegetation [%]

Verfahren	Seriemittel	8193 Eglisau ZH
P8888	0.0 -	0.0 -
SY Enermax	1.9 -----	1.9 -----
KWS Sabino	0.0 -	0.0 -
SY Amfora	0.6 --	0.6 --
P9610	0.0 -	0.0 -
KWS Editio	0.0 -	0.0 -
Bismark	1.9 -----	1.9 -----
KXC1211 (KWS Go)	0.0 -	0.0 -
KXC1368	0.0 -	0.0 -
SY Granaris	0.0 -	0.0 -
Mendy	3.7 -----	3.7 -----
SU Crumber	0.0 -	0.0 -
LZM272/33	0.0 -	0.0 -
P9967	0.0 -	0.0 -
KXC1366	0.0 -	0.0 -
KXC2121	0.0 -	0.0 -
SY Bradford	0.0 -	0.0 -
SC3211	0.0 -	0.0 -
SY Fertilius	0.6 --	0.6 --
Bone	0.0 -	0.0 -
P9911	0.0 -	0.0 -
LG 31479	0.0 -	0.0 -
SY Glorius	0.0 -	0.0 -
KWS Inteligens	0.0 -	0.0 -
-Bezugsgrösse(n)	0.3 -	0.3 -
Versuchs-Mittel	0.4 --	0.4 --
VK [%]	165.0	165.0
KGD (5%)	1.0	1.0
KGD (1%)	1.3	1.3
Versuchs-Streuung	0.6	0.6
FG Fehlerterm	44.0	44.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8193 Eglisau ZH
P8888	1.3 ---	0.0 -	4.4 -----	0.8 -	0.0 -
SY Enermax	0.2 -	0.6 --	0.0 -	0.0 -	0.0 -
KWS Sabino	2.5 -----	1.8 ----	4.8 -----	3.5 ----	0.0 -
SY Amfora	1.2 --	2.2 ----	1.6 --	1.1 --	0.0 -
P9610	1.6 ---	3.2 -----	1.6 --	1.6 --	0.0 -
KWS Editio	1.5 ---	2.9 -----	2.2 ---	0.0 -	0.6 ---
Bismark	0.4 -	0.0 -	1.7 --	0.0 -	0.0 -
KXC1211 (KWS Go)	1.3 ---	1.1 ---	1.2 --	0.0 -	3.1 -----
KXC1368	0.8 --	0.7 --	2.0 ---	0.0 -	0.6 ---
SY Granaris	0.1 -	0.0 -	0.0 -	0.4 -	0.0 -
Mendy	0.7 --	0.7 --	0.8 -	1.2 --	0.0 -
SU Crumber	0.6 --	0.0 -	2.4 ---	0.0 -	0.0 -
LZM272/33	0.9 --	0.0 -	3.2 ----	0.4 -	0.0 -
P9967	1.6 ---	2.8 -----	2.7 ----	0.8 -	0.0 -
KXC1366	0.2 -	0.0 -	0.8 --	0.0 -	0.0 -
KXC2121	0.4 -	1.2 ---	0.4 -	0.0 -	0.0 -
SY Bradford	0.7 --	0.8 --	2.0 ---	0.0 -	0.0 -
SC3211	0.2 -	0.6 --	0.4 -	0.0 -	0.0 -
SY Fertilius	2.1 ----	1.3 ---	5.5 -----	1.2 --	0.6 ---
Bone	0.2 -	0.0 -	0.0 -	0.0 -	0.6 ---
P9911	0.4 -	1.1 ---	0.4 -	0.0 -	0.0 -
LG 31479	6.5 -----	5.8 -----	9.0 -----	9.9 -----	1.2 ----
SY Glorius	0.4 -	0.6 --	0.8 -	0.0 -	0.0 -
KWS Inteligens	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	1.3 ---	2.6 ----	1.9 ---	0.6 -	0.3 --
Versuchs-Mittel	1.1 --	1.1 ---	2.0 ---	0.9 -	0.3 --
VK [%]	146.1	138.9	93.4	180.8	408.2
KGD (5%)	1.3	ns	3.1	2.6	ns
KGD (1%)	1.7	ns	4.1	3.5	ns
Versuchs-Streuung	1.6	1.6	1.9	1.6	1.2
FG Fehlerterm	159.0	23.0	46.0	46.0	44.0
Anz. Beob.	11.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	452.1	23	8.01 ***	1.60	0.0000
Anbauorte	100.2	3	13.60 ***	2.66	0.0000
WW Verf.*Anb.Orte	270.7	69	1.60 **	1.38	0.0085
Fehler	390.3	159			
Insgesamt	1213.4	254			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	7.9 -----	8.2 -----	7.8 -	8.4 -----	8.5 -----
SY Enermax	7.9 -----	8.3 -----	7.8 -	8.4 -----	7.9 -
KWS Sabino	8.2 -----	8.2 -----	7.8 -	8.9 -----	8.5 -----
SY Amfora	8.1 -----	7.4 ---	7.9 ---	8.7 -----	8.6 -----
P9610	7.9 -----	8.3 -----	7.8 -	8.2 ---	8.4 -----
KWS Editio	8.3 -----	8.4 -----	7.8 -	9.0 -----	9.0 -----
Bismark	7.7 --	7.2 ---	7.8 -	8.2 ---	8.5 -----
KXC1211 (KWS Go)	8.2 -----	9.0 -----	8.1 -----	8.5 -----	9.0 -----
KXC1368	8.0 -----	7.1 ---	7.8 -	8.5 -----	8.7 -----
SY Granaris	8.1 -----	7.4 ---	7.8 -	8.4 -----	8.8 -----
Mendy	7.8 ---	6.7 -	7.8 -	8.5 -----	8.4 -----
SU Crumber	7.9 ---	7.5 ---	7.8 -	8.2 ---	8.3 ---
LZM272/33	8.0 -----	7.7 -----	7.8 -	8.2 ---	8.8 -----
P9967	7.9 -----	7.3 ---	7.8 -	8.6 -----	8.6 -----
KXC1366	8.1 -----	8.5 -----	7.8 -	8.2 ---	9.1 -----
KXC2121	8.2 -----	8.2 -----	7.8 -	9.0 -----	9.0 -----
SY Bradford	7.6 -	6.6 -	7.8 -	8.2 ---	8.1 --
SC3211	8.1 -----	8.3 -----	7.8 -	8.6 -----	8.3 ---
SY Fertilius	7.7 ---	7.7 -----	7.8 -	8.2 ---	8.2 ---
Bone	7.9 -----	7.9 -----	7.8 -	8.2 ---	8.3 ---
P9911	8.1 -----	8.4 -----	7.8 -	8.3 ---	8.8 -----
LG 31479	7.9 -----	7.6 -----	7.8 -	8.5 -----	8.6 -----
SY Glorius	7.9 ---	8.0 -----	7.8 -	8.4 -----	8.3 ---
KWS Inteligens	7.8 ---	7.0 --	7.8 -	7.9 -	8.4 ---
-Bezugsgrösse(n)	8.2 -----	7.9 -----	7.8 --	8.9 -----	8.8 -----
Versuchs-Mittel	8.0 -----	7.8 -----	7.8 -	8.4 -----	8.6 -----
VK [%]	5.0	7.3	1.5	3.7	5.2
KGD (5%)	0.2	1.2	ns	0.5	ns
KGD (1%)	0.3	ns	ns	0.7	ns
Versuchs-Streuung	0.4	0.6	0.1	0.3	0.4
FG Fehlerterm	339.0	23.0	46.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16.1	23	4.39 ***	1.56	0.0000
Anbauorte	62.6	7	56.00 ***	2.04	0.0000
WW Verf. *Anb.Orte	41.0	161	1.60 ns	1.24	
Fehler	54.1	339			
Insgesamt	173.8	530			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	7.7 --	8.0 -----	7.9 -----	6.9 ---
SY Enermax	8.0 -----	7.8 -	8.0 -----	7.1 ----
KWS Sabino	8.4 -----	7.8 -	8.2 -----	7.8 -----
SY Amfora	8.3 -----	7.8 -	8.2 -----	7.7 -----
P9610	7.9 ----	8.0 ----	7.5 --	7.4 ----
KWS Editio	8.1 -----	8.0 ----	7.9 -----	8.0 -----
Bismark	7.8 ----	7.8 -	7.7 ----	6.5 -
KXC1211 (KWS Go)	8.3 -----	7.8 -	7.7 ----	7.5 -----
KXC1368	8.3 -----	8.0 ----	7.9 -----	7.5 -----
SY Granaris	8.4 -----	7.8 -	8.2 -----	8.2 -----
Mendy	7.9 ----	8.1 -----	7.7 ----	7.5 -----
SU Crumber	7.7 --	7.8 -	7.9 -----	7.7 -----
LZM272/33	8.1 -----	8.0 ----	7.6 --	7.3 ----
P9967	8.1 -----	7.8 -	7.8 -----	7.4 ----
KXC1366	8.0 ----	7.8 -	8.0 -----	7.3 ----
KXC2121	8.4 -----	7.8 -	8.2 -----	7.5 -----
SY Bradford	7.9 ----	7.8 -	7.7 ----	6.9 --
SC3211	8.3 -----	7.8 -	8.0 -----	7.7 -----
SY Fertilius	7.5 -	7.8 -	7.6 --	7.0 --
Bone	7.7 --	7.8 -	7.8 -----	7.7 -----
P9911	8.0 -----	7.8 -	8.0 -----	7.3 ----
LG 31479	7.8 --	7.8 -	7.4 -	7.5 -----
SY Glorius	7.7 --	7.8 -	7.6 --	7.3 ----
KWS Inteligens	7.5 -	7.8 -	7.7 ----	8.4 -----
-Bezugsgrösse(n)	8.2 -----	7.9 ---	8.0 -----	7.8 -----
Versuchs-Mittel	8.0 -----	7.9 --	7.8 -----	7.5 -----
VK [%]	6.9	2.2	4.7	6.9
KGD (5%)	ns	ns	ns	0.8
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	0.6	0.2	0.4	0.5
FG Fehlerterm	44.0	46.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	646.3 -----	557.8 -----	691.1 -----	613.5 ----	645.8 -----
SY Enermax	580.1 ---	541.5 -----	632.1 -----	587.9 ----	482.1 -
KWS Sabino	557.3 --	486.0 ---	486.0 -	630.2 -----	471.8 -
SY Amfora	579.6 ---	459.8 --	546.1 ---	558.7 --	570.4 -----
P9610	617.4 -----	556.2 -----	613.5 -----	611.5 ----	554.8 ----
KWS Editio	561.3 --	505.8 ----	529.0 --	555.5 --	581.1 -----
Bismark	544.6 -	488.6 ---	563.7 ----	549.4 --	468.6 -
KXC1211 (KWS Go)	560.9 --	519.2 ----	520.9 --	537.4 -	552.6 ----
KXC1368	576.1 ---	475.8 ---	527.6 --	578.3 ----	542.1 ----
SY Granaris	549.2 -	442.3 -	487.4 -	624.6 -----	494.0 --
Mendy	689.5 -----	581.1 -----	736.7 -----	708.1 -----	665.8 -----
SU Crumber	601.4 ----	594.0 -----	577.8 ----	611.2 ----	525.1 ---
LZM272/33	601.2 ----	527.0 -----	641.9 -----	615.7 -----	576.7 -----
P9967	658.5 -----	591.7 -----	672.1 -----	684.1 -----	537.0 ----
KXC1366	588.3 ----	500.0 ----	514.7 --	612.7 ----	581.7 ----
KXC2121	572.3 ---	510.9 ----	579.5 ----	550.5 --	568.9 ----
SY Bradford	579.9 ---	493.0 ----	577.8 ----	582.8 ----	585.3 -----
SC3211	643.4 -----	566.3 -----	583.7 ----	667.2 -----	627.6 -----
SY Fertilius	556.1 -	450.3 -	561.7 ----	544.7 --	553.1 ----
Bone	543.3 -	534.7 -----	549.1 ---	528.7 -	499.8 --
P9911	690.8 -----	600.7 -----	653.5 -----	707.0 -----	672.2 -----
LG 31479	674.8 -----	612.7 -----	630.1 -----	658.9 -----	675.6 -----
SY Glorius	579.4 ---	505.7 ----	623.6 -----	525.2 -	568.9 ----
KWS Inteligens	681.7 -----	522.3 ----	708.1 -----	645.5 -----	655.6 -----
-Bezugsgrösse(n)	570.4 --	482.8 ---	537.5 ---	557.1 --	575.7 -----
Versuchs-Mittel	601.4 ----	526.0 -----	592.0 ----	603.7 ----	569.0 ----
VK [%]	7.3	11.5	8.2	6.3	8.7
KGD (5%)	27.2	ns	79.7	62.9	81.8
KGD (1%)	35.9	ns	106.4	84.0	109.3
Versuchs-Streuung	43.8	60.6	48.5	38.3	49.7
FG Fehlerterm	289.0	23.0	46.0	46.0	43.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1099694.4	23	24.96 ***	1.57	0.0000
Anbauorte	1118596.3	6	97.34 ***	2.13	0.0000
WW Verf. *Anb.Orte	492411.1	138	1.86 ***	1.27	0.0006
Fehler	553541.1	289			
Insgesamt	3264242.9	456			

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	624.0 -----	736.9 -----	654.7 -----
SY Enermax	621.7 -----	671.5 ---	523.7 -
KWS Sabino	609.0 -----	679.5 ---	538.6 -
SY Amfora	597.3 -----	696.9 ----	627.9 -----
P9610	630.1 -----	716.8 -----	639.3 -----
KWS Editio	561.4 ---	631.2 -	564.8 --
Bismark	547.4 ---	669.7 ---	524.6 -
KXC1211 (KWS Go)	602.4 -----	632.7 -	561.4 --
KXC1368	598.5 -----	710.8 -----	599.4 ----
SY Granaris	617.7 -----	655.5 --	523.3 -
Mendy	669.0 -----	737.7 -----	728.1 -----
SU Crumber	605.4 -----	728.3 -----	568.4 ---
LZM272/33	584.8 ----	691.0 ----	571.6 ---
P9967	657.8 -----	745.5 -----	721.5 -----
KXC1366	625.3 -----	688.6 ----	595.0 ----
KXC2121	628.3 -----	636.9 -	531.1 -
SY Bradford	610.0 -----	656.9 --	553.4 --
SC3211	656.8 -----	759.4 -----	642.4 -----
SY Fertilius	520.0 -	677.5 ---	585.5 ---
Bone	505.7 -	632.5 -	552.6 --
P9911	717.9 -----	760.7 -----	723.3 -----
LG 31479	695.5 -----	757.1 -----	693.7 -----
SY Glorius	576.4 ----	667.2 ---	588.7 ---
KWS Inteligens	681.2 -----	805.6 -----	753.5 -----
-Bezugsgrösse(n)	579.4 ----	664.0 --	596.4 ----
Versuchs-Mittel	614.3 -----	697.8 ----	606.9 ----
VK [%]	7.8	3.7	6.0
KGD (5%)	78.5	42.8	60.3
KGD (1%)	104.8	57.2	80.5
Versuchs-Streuung	47.7	26.0	36.6
FG Fehlerterm	44.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	241.8 -----	253.1 -----	258.5 -----	210.7 -----	256.3 -----
SY Enermax	228.6 -----	252.0 -----	255.3 -----	196.7 ---	229.5 ---
KWS Sabino	227.7 -----	242.5 -----	225.6 ----	216.6 -----	237.7 -----
SY Amfora	225.9 -----	234.4 ---	215.9 --	201.7 ---	237.0 -----
P9610	235.5 -----	252.6 -----	239.3 -----	204.3 ----	243.6 -----
KWS Editio	226.1 -----	234.5 ---	207.2 -	212.7 -----	252.0 -----
Bismark	215.5 -	228.0 --	218.5 ---	197.7 ---	218.6 -
KXC1211 (KWS Go)	236.0 -----	258.3 -----	220.3 ---	208.7 -----	248.2 -----
KXC1368	228.2 -----	232.3 ---	224.7 ----	207.8 -----	240.4 -----
SY Granaris	225.3 ----	239.1 ----	222.6 ----	208.5 -----	230.1 ---
Mendy	235.6 -----	240.6 ----	249.3 -----	218.7 -----	251.2 -----
SU Crumber	232.3 -----	270.0 -----	222.2 ----	211.5 -----	234.9 -----
LZM272/33	232.9 -----	252.4 -----	250.2 -----	209.5 -----	241.0 -----
P9967	242.0 -----	264.2 -----	247.7 -----	229.3 -----	231.0 ----
KXC1366	230.6 -----	252.8 -----	209.1 -	216.5 -----	243.8 -----
KXC2121	237.3 -----	243.2 ----	233.6 -----	237.5 -----	244.6 -----
SY Bradford	220.4 --	235.9 ---	218.8 ---	197.9 ---	237.8 -----
SC3211	229.3 -----	244.3 ----	237.4 -----	192.8 --	249.0 -----
SY Fertilus	223.5 ----	222.6 -	231.2 ----	197.2 ---	241.1 -----
Bone	218.1 --	242.2 ----	218.1 ---	183.7 -	220.1 -
P9911	241.6 -----	261.3 -----	240.0 -----	221.1 -----	259.5 -----
LG 31479	223.8 ----	241.9 ----	220.5 ---	200.8 ----	238.5 -----
SY Glorius	230.4 -----	243.3 ----	247.5 -----	196.4 ---	237.8 -----
KWS Inteligens	232.3 -----	240.7 ----	248.0 -----	204.8 ----	234.2 ----
-Bezugsgrösse(n)	226.0 -----	234.4 ---	211.6 -	207.2 -----	244.5 -----
Versuchs-Mittel	230.0 -----	245.1 -----	231.7 -----	207.6 -----	239.9 -----
VK [%]	6.7	6.1	8.4	8.7	6.6
KGD (5%)	9.5	ns	32.1	ns	ns
KGD (1%)	12.6	ns	ns	ns	ns
Versuchs-Streuung	15.3	15.1	19.5	18.0	15.8
FG Fehlerterm	289.0	23.0	46.0	46.0	43.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	23571.8	23	4.36 ***	1.57	0.0000
Anbauorte	120335.7	6	85.39 ***	2.13	0.0000
WW Verf. *Anb.Orte	38429.9	138	1.19 ns	1.27	
Fehler	67876.6	289			
Insgesamt	250214.2	456			

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez	1567 Avenches *
P8888	224.2 -----	261.1 -----	228.7 -----	143.4
SY Enermax	216.4 -----	255.3 -----	195.4 -	146.9
KWS Sabino	217.8 -----	247.4 ---	206.5 ----	158.1
SY Amfora	207.4 ----	258.8 -----	225.9 -----	151.7
P9610	226.0 -----	254.2 -----	228.6 -----	153.3
KWS Editio	217.8 -----	242.9 -	215.4 -----	149.6
Bismark	200.5 --	251.6 ----	193.4 -	122.8
KXC1211 (KWS Go)	237.9 -----	259.9 -----	218.4 -----	136.8
KXC1368	214.3 ----	264.4 -----	213.5 ----	138.5
SY Granaris	218.7 -----	254.6 -----	203.7 ---	150.6
Mendy	204.8 ---	251.3 ----	233.0 -----	148.8
SU Crumber	216.6 -----	262.7 -----	207.9 ----	131.0
LZM272/33	216.5 -----	254.2 -----	206.3 ---	160.1
P9967	224.3 -----	259.7 -----	238.1 -----	161.5
KXC1366	227.2 -----	248.8 ----	215.9 -----	136.8
KXC2121	241.0 -----	257.1 -----	204.1 ---	151.4
SY Bradford	207.0 ----	242.0 -	203.4 ---	126.0
SC3211	211.3 ----	247.7 ----	222.3 -----	152.1
SY Fertilius	191.6 -	260.2 -----	220.3 -----	139.3
Bone	199.1 --	253.1 -----	210.7 ----	141.6
P9911	227.8 -----	246.3 ---	235.3 -----	146.0
LG 31479	210.0 ----	240.9 -	214.1 ----	142.3
SY Glorius	217.7 -----	256.4 -----	213.7 ----	139.1
KWS Inteligens	215.2 -----	250.0 ----	232.8 -----	154.8
-Bezugsgrösse(n)	212.6 ----	250.9 ----	220.7 -----	150.6
Versuchs-Mittel	216.3 -----	253.4 -----	216.1 -----	145.1
VK [%]	7.0	3.8	5.2	13.3
KGD (5%)	ns	ns	18.5	
KGD (1%)	ns	ns	24.7	
Versuchs-Streuung	15.2	9.6	11.2	19.3
FG Fehlerterm	44.0	44.0	43.0	43.0
Anz. Beob.	3.0	3.0	3.0	3.0

* Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement pas prises en compte pour les mises en valeur.

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	37.4 ----	45.5 ----	35.8 ----	37.4 ---	34.4 ----
SY Enermax	39.6 -----	46.8 -----	38.1 -----	40.4 -----	33.5 ----
KWS Sabino	41.2 -----	49.9 -----	38.0 -----	46.8 -----	34.4 ----
SY Amfora	39.1 -----	51.1 -----	36.6 -----	39.5 -----	36.1 -----
P9610	38.0 ----	45.5 ----	35.3 ----	39.0 ----	33.4 ----
KWS Editio	40.5 -----	46.4 ----	41.4 -----	39.1 ----	38.3 -----
Bismark	40.0 -----	46.7 ----	40.8 -----	38.8 ----	36.1 -----
KXC1211 (KWS Go)	42.5 -----	49.7 -----	44.3 -----	42.7 -----	38.7 -----
KXC1368	39.7 -----	49.0 -----	36.4 ----	42.5 -----	35.9 -----
SY Granaris	41.3 -----	54.1 -----	37.3 ----	45.8 -----	33.4 ----
Mendy	34.0 --	41.5 --	31.0 -	33.9 -	30.9 --
SU Crumber	38.6 -----	45.4 ----	37.5 ----	38.4 ----	34.6 -----
LZM272/33	38.7 -----	48.0 ----	36.3 ----	39.4 ----	34.0 ----
P9967	36.7 ----	44.7 ----	33.4 --	36.8 --	33.5 ----
KXC1366	39.3 -----	50.6 -----	37.6 -----	40.5 -----	35.3 ----
KXC2121	41.2 -----	47.8 ----	38.5 -----	40.2 ----	43.0 -----
SY Bradford	38.2 -----	48.0 ----	37.4 ----	37.9 ----	33.9 ----
SC3211	35.6 ---	43.3 ---	32.8 --	40.8 -----	29.0 -
SY Fertilius	40.2 -----	49.4 -----	37.9 -----	41.1 -----	36.3 -----
Bone	40.0 -----	45.4 ----	38.2 -----	39.7 -----	34.7 ----
P9911	34.8 --	43.8 ----	31.5 -	36.8 ---	31.2 --
LG 31479	33.1 -	39.5 -	31.6 -	35.0 -	30.5 --
SY Glorius	39.8 -----	48.6 -----	38.3 -----	39.7 -----	37.4 -----
KWS Inteligens	34.5 --	48.4 -----	31.3 -	35.0 --	31.7 ---
-Bezugsgrösse(n)	39.8 -----	48.7 -----	39.0 -----	39.3 -----	37.2 -----
Versuchs-Mittel	38.5 -----	47.0 -----	36.5 ----	39.5 ----	34.6 ----
VK [%]	5.0	8.4	6.2	5.5	5.5
KGD (5%)	1.1	ns	3.7	3.6	3.1
KGD (1%)	1.5	ns	5.0	4.8	4.1
Versuchs-Streuung	1.9	4.0	2.3	2.2	1.9
FG Fehlerterm	336.0	23.0	44.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3399.8	23	39.72 ***	1.56	0.0000
Anbauorte	8985.0	7	344.94 ***	2.04	0.0000
WW Verf. *Anb.Orte	1435.4	161	2.40 ***	1.24	0.0002
Fehler	1250.3	336			
Insgesamt	15070.5	527			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	39.7 ----	36.0 -----	35.4 ----	35.0 -----
SY Enermax	47.6 -----	34.8 ----	38.0 -----	37.3 -----
KWS Sabino	50.4 -----	35.8 ----	36.4 ----	38.4 -----
SY Amfora	41.5 ----	34.7 ----	37.1 ----	36.0 ----
P9610	43.9 ----	35.9 ----	35.5 ----	35.8 ----
KWS Editio	43.4 ----	38.8 -----	38.5 -----	38.2 -----
Bismark	46.7 -----	36.6 ----	37.6 ----	36.7 -----
KXC1211 (KWS Go)	44.9 ----	39.5 -----	41.1 -----	38.9 -----
KXC1368	45.2 ----	35.8 ----	37.2 ----	35.6 ----
SY Granaris	46.6 -----	35.4 ----	38.8 ----	39.1 -----
Mendy	37.7 --	30.6 -	34.1 ----	32.1 --
SU Crumber	44.7 -----	35.8 ----	36.1 ----	36.6 -----
LZM272/33	41.8 ----	37.1 ----	36.8 ----	36.1 ----
P9967	43.4 ----	34.1 ----	34.8 ----	33.0 --
KXC1366	41.9 ----	36.4 ----	36.1 ----	36.3 ----
KXC2121	43.0 ----	38.4 -----	40.3 -----	38.5 -----
SY Bradford	40.6 ----	34.0 ----	36.9 ----	36.8 ----
SC3211	39.7 ----	32.2 --	32.6 --	34.6 ----
SY Fertilius	43.7 ----	36.9 ----	38.4 ----	37.6 ----
Bone	44.3 -----	39.4 -----	40.0 -----	38.1 -----
P9911	38.6 ---	31.7 --	32.4 --	32.6 ---
LG 31479	35.3 -	30.2 -	31.8 -	30.8 -
SY Glorius	41.8 ----	37.8 -----	38.4 -----	36.4 -----
KWS Inteligens	35.8 -	31.6 --	31.0 -	31.0 -
-Bezugsgrösse(n)	42.5 ----	36.8 -----	37.8 -----	37.1 -----
Versuchs-Mittel	42.6 ----	35.4 ----	36.5 ----	35.9 ----
VK [%]	4.4	2.8	2.8	2.4
KGD (5%)	3.1	1.6	1.7	1.4
KGD (1%)	4.1	2.2	2.3	1.9
Versuchs-Streuung	1.9	1.0	1.0	0.9
FG Fehlerterm	45.0	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	170.4 -----	173.6 ----	181.2 -----	145.2 ----	182.5 -----
SY Enermax	159.6 -	177.5 -----	176.0 -----	134.3 -	156.3 -
KWS Sabino	159.4 -	172.5 ----	148.6 --	154.0 -----	161.7 ---
SY Amfora	164.6 -----	166.0 --	159.0 -----	145.1 -----	170.7 -----
P9610	166.6 -----	183.4 -----	167.6 -----	143.1 ----	168.9 ----
KWS Editio	163.5 -----	162.1 -	147.6 -	150.0 -----	183.1 -----
Bismark	159.6 --	163.8 --	168.4 -----	144.3 ----	159.7 --
KXC1211 (KWS Go)	167.3 -----	182.3 -----	152.8 ---	141.5 ----	175.2 -----
KXC1368	160.4 --	161.6 -	157.3 ----	142.7 ----	167.6 ----
SY Granaris	161.0 ---	173.2 ----	155.5 ----	147.5 -----	162.9 ---
Mendy	167.3 -----	172.0 ----	173.9 -----	149.8 -----	175.5 -----
SU Crumber	168.8 -----	195.1 -----	156.4 ----	151.8 -----	172.2 -----
LZM272/33	168.8 -----	183.4 -----	178.9 -----	148.2 -----	174.0 -----
P9967	170.7 -----	191.3 -----	170.9 -----	162.4 -----	158.4 -
KXC1366	162.7 ----	182.1 -----	144.7 -	147.0 ----	171.4 ----
KXC2121	168.4 -----	173.2 ----	161.5 ----	162.4 -----	174.1 -----
SY Bradford	158.5 -	167.4 ---	158.3 ----	136.8 --	172.9 -----
SC3211	161.7 ---	168.3 ---	167.7 -----	133.9 -	177.1 -----
SY Fertilius	161.7 ---	160.6 -	168.2 -----	139.8 ---	175.5 -----
Bone	158.5 -	177.6 -----	155.0 ---	132.4 -	158.0 -
P9911	169.6 -----	187.0 -----	165.6 -----	152.8 -----	176.2 -----
LG 31479	159.1 -	170.5 ---	153.6 ---	141.3 ----	170.2 -----
SY Glorius	163.8 ----	172.4 ----	176.3 -----	133.0 -	168.1 ----
KWS Inteligens	164.6 ----	171.3 ----	175.0 -----	146.6 ----	163.4 ---
-Bezugsgrösse(n)	164.1 -----	164.0 --	153.3 ---	147.6 -----	176.9 -----
Versuchs-Mittel	164.0 ----	174.5 ----	163.3 -----	145.2 ----	169.8 ----
VK [%]	7.2	6.1	9.8	9.0	7.1
KGD (5%)	7.4	ns	ns	ns	ns
KGD (1%)	9.7	ns	ns	ns	ns
Versuchs-Streuung	11.9	10.6	15.9	13.1	12.1
FG Fehlerterm	291.0	23.0	46.0	46.0	43.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7815.0	23	2.41 ***	1.57	0.0008
Anbauorte	57067.7	6	67.50 ***	2.13	0.0000
WW Verf.*Anb.Orte	24742.0	138	1.27 ns	1.27	
Fehler	41003.3	291			
Insgesamt	130627.9	458			

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	164.7 -----	182.1 -----	163.6 -----
SY Enermax	155.4 ----	179.9 ----	137.5 -
KWS Sabino	158.3 ----	174.2 --	146.3 ---
SY Amfora	156.0 ----	189.4 -----	166.0 -----
P9610	162.3 -----	177.2 ----	163.6 -----
KWS Editio	166.2 -----	178.5 ----	157.3 -----
Bismark	151.5 ---	187.2 -----	142.4 --
KXC1211 (KWS Go)	176.4 -----	182.6 -----	160.6 -----
KXC1368	155.8 ----	186.5 -----	151.4 ----
SY Granaris	160.5 -----	181.5 -----	146.3 ---
Mendy	149.6 --	180.6 -----	169.4 -----
SU Crumber	163.2 -----	187.4 -----	155.5 -----
LZM272/33	163.6 -----	183.2 -----	150.3 ----
P9967	161.3 -----	180.8 ----	169.5 -----
KXC1366	165.8 -----	171.4 -	156.2 ----
KXC2121	178.4 -----	182.4 -----	147.0 ----
SY Bradford	153.4 ----	171.2 -	149.3 ----
SC3211	153.7 ----	171.8 -	159.6 -----
SY Fertilius	143.1 -	184.1 -----	160.7 -----
Bone	152.3 ---	182.2 -----	151.9 ----
P9911	163.5 -----	173.2 --	168.8 -----
LG 31479	152.1 ---	171.7 -	154.1 -----
SY Glorius	158.9 -----	184.0 -----	153.9 -----
KWS Inteligens	156.9 ----	173.3 --	165.6 -----
-Bezugsgrösse(n)	161.1 -----	184.0 -----	161.7 -----
Versuchs-Mittel	159.3 ----	179.9 ----	156.1 -----
VK [%]	7.1	4.8	5.7
KGD (5%)	ns	ns	14.6
KGD (1%)	ns	ns	19.5
Versuchs-Streuung	11.4	8.6	8.9
FG Fehlerterm	46.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P8888	85.1 ---	83.5 -	96.8 -----	73.8 ----	86.9 -----
SY Enermax	85.7 ----	98.2 -----	96.8 -----	70.6 --	80.2 --
KWS Sabino	84.8 ---	93.9 -----	77.7 -	81.4 -----	81.5 --
SY Amfora	89.2 -----	92.5 -----	91.5 -----	75.6 ----	85.8 ----
P9610	92.2 -----	108.9 -----	97.7 -----	76.0 ----	87.8 ----
KWS Editio	91.9 -----	80.8 -	83.1 --	86.0 -----	100.2 -----
Bismark	92.1 -----	90.8 ----	105.3 -----	82.7 -----	89.3 -----
KXC1211 (KWS Go)	93.2 -----	101.2 -----	86.1 ----	79.8 -----	93.7 -----
KXC1368	87.7 ----	86.0 --	90.8 ----	76.4 ----	88.3 ----
SY Granaris	89.9 -----	101.8 -----	92.1 -----	78.9 -----	87.4 ----
Mendy	89.3 -----	94.2 ----	96.7 -----	75.9 ----	91.7 -----
SU Crumber	94.5 -----	110.7 -----	90.2 ----	84.4 -----	91.1 -----
LZM272/33	88.7 ----	98.3 ----	93.5 ----	80.3 ----	87.1 ----
P9967	90.9 -----	109.2 -----	95.1 -----	86.4 -----	78.1 -
KXC1366	88.5 ----	103.4 -----	81.2 --	76.4 ----	88.2 ----
KXC2121	91.2 -----	94.2 ----	93.9 -----	90.3 -----	85.9 ----
SY Bradford	86.3 ----	90.1 ----	94.8 -----	73.1 ---	90.7 -----
SC3211	86.3 ----	87.5 ---	98.3 -----	66.3 -	88.7 ----
SY Fertilius	86.6 ----	87.8 ---	96.9 -----	73.3 ---	89.0 -----
Bone	90.3 -----	98.6 -----	94.2 -----	75.6 ----	85.6 ----
P9911	88.9 -----	106.0 -----	88.6 ----	77.8 ----	87.0 ----
LG 31479	81.5 -	91.0 ----	82.5 --	71.4 ---	82.3 ---
SY Glorius	88.9 -----	91.5 ----	106.4 -----	70.6 --	88.3 ----
KWS Inteligens	85.3 ---	95.1 ----	95.4 -----	75.8 ----	78.5 -
-Bezugsgrösse(n)	90.6 -----	86.6 ---	87.3 ----	80.8 -----	93.0 -----
Versuchs-Mittel	88.7 -----	95.6 -----	92.7 -----	77.4 ----	87.2 ----
VK [%]	9.7	9.9	12.0	11.7	9.8
KGD (5%)	5.4	ns	ns	ns	ns
KGD (1%)	7.1	ns	ns	ns	ns
Versuchs-Streuung	8.6	9.5	11.1	9.1	8.5
FG Fehlerterm	291.0	23.0	46.0	46.0	43.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4439.5	23	2.60 ***	1.57	0.0005
Anbauorte	16418.6	6	36.79 ***	2.13	0.0000
WW Verf. *Anb.Orte	13955.5	138	1.36 ns	1.27	
Fehler	21643.4	291			
Insgesamt	56457.1	458			

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	82.5 ----	86.2 --	86.0 -----
SY Enermax	82.9 ----	94.1 -----	76.8 -
KWS Sabino	87.5 -----	89.4 ---	82.7 ----
SY Amfora	83.1 ----	100.1 -----	95.9 -----
P9610	89.4 -----	92.9 ----	92.5 -----
KWS Editio	100.3 -----	100.0 -----	92.8 -----
Bismark	84.3 ----	107.9 -----	84.5 ----
KXC1211 (KWS Go)	99.1 -----	99.0 -----	93.5 -----
KXC1368	87.1 ----	99.0 -----	86.0 ----
SY Granaris	88.6 -----	96.7 -----	83.5 ----
Mendy	73.1 -	99.3 -----	94.3 -----
SU Crumber	86.9 -----	102.3 -----	96.1 -----
LZM272/33	83.8 ----	92.7 ----	85.0 ----
P9967	80.8 ---	94.7 ----	92.3 -----
KXC1366	93.3 -----	89.1 ---	87.6 -----
KXC2121	92.9 -----	99.8 -----	81.7 ---
SY Bradford	81.8 ----	86.8 --	86.6 -----
SC3211	82.8 ----	89.9 ---	90.3 -----
SY Fertilius	75.4 -	91.4 ----	92.4 -----
Bone	87.6 -----	102.0 -----	88.6 -----
P9911	82.4 ----	90.8 ----	89.7 -----
LG 31479	75.4 -	85.0 -	83.1 ----
SY Glorius	83.9 ----	95.5 -----	86.0 ----
KWS Inteligens	79.8 ---	83.5 -	88.6 -----
-Bezugsgrösse(n)	91.7 -----	100.1 -----	94.4 -----
Versuchs-Mittel	85.2 ----	94.5 ----	88.2 -----
VK [%]	9.2	7.7	7.5
KGD (5%)	12.9	11.9	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	7.9	7.3	6.6
FG Fehlerterm	46.0	44.0	43.0
Anz. Beob.	3.0	3.0	3.0

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	703.8 --	685.9 -	695.3 -----	700.3 ----	689.8 ---
SY Enermax	698.5 -	704.3 ----	704.9 -----	688.6 ---	682.6 --
KWS Sabino	699.0 -	711.0 -----	692.1 ----	658.1 -	710.6 -----
SY Amfora	727.7 -----	708.3 ----	721.0 -----	735.8 -----	718.2 -----
P9610	703.3 --	728.6 -----	675.2 ---	699.1 ----	699.9 ----
KWS Editio	721.3 -----	691.1 --	707.9 -----	708.2 ----	706.9 -----
Bismark	738.2 -----	718.3 -----	723.4 -----	770.3 -----	730.5 -----
KXC1211 (KWS Go)	711.5 ----	705.8 ----	732.1 -----	693.1 ----	675.7 -
KXC1368	702.7 --	694.7 --	704.7 -----	698.1 ----	686.1 --
SY Granaris	712.4 ----	723.8 -----	696.3 ----	698.8 ----	708.3 -----
Mendy	703.5 --	714.2 -----	656.5 -	697.1 ----	684.6 --
SU Crumber	727.6 -----	723.3 -----	726.9 -----	703.4 ----	718.0 -----
LZM272/33	721.2 -----	726.8 -----	693.9 ----	715.0 -----	706.3 ----
P9967	700.8 -	724.3 -----	668.8 --	691.0 ----	707.7 ----
KXC1366	703.2 --	719.9 -----	690.9 ----	689.8 ---	680.5 -
KXC2121	710.3 ----	714.3 -----	709.7 -----	691.4 ----	686.0 --
SY Bradford	720.9 -----	710.4 ----	732.8 -----	723.9 -----	690.8 ---
SC3211	701.3 -	689.1 -	670.0 --	706.4 ----	695.2 ----
SY Fertilius	724.0 -----	722.0 -----	722.2 -----	727.3 -----	709.2 -----
Bone	727.5 -----	733.3 -----	729.9 -----	711.3 ----	721.5 -----
P9911	697.8 -	716.8 -----	669.2 --	688.9 ---	690.2 ---
LG 31479	708.8 ---	704.0 ----	694.1 ----	696.8 ----	704.3 ----
SY Glorius	707.5 ---	708.5 ----	688.8 ----	712.3 ----	676.9 -
KWS Inteligens	703.4 --	712.3 ----	662.4 -	705.7 ----	715.2 -----
-Bezugsgrösse(n)	724.5 -----	699.7 ----	714.5 -----	722.0 -----	712.5 -----
Versuchs-Mittel	711.5 ----	712.1 -----	698.7 -----	704.6 ----	699.8 ----
VK [%]	2.4	3.3	2.4	3.0	2.8
KGD (5%)	9.9	ns	28.1	34.3	32.4
KGD (1%)	13.0	ns	37.5	45.8	ns
Versuchs-Streuung	17.0	23.3	17.1	20.9	19.7
FG Fehlerterm	338.0	23.0	44.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	70906.5	23	10.64 ***	1.56	0.0000
Anbauorte	77276.5	7	38.10 ***	2.04	0.0000
WW Verf. *Anb.Orte	71767.8	161	1.54 ns	1.24	
Fehler	97933.7	338			
Insgesamt	317884.5	529			

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	711.9	734.9	696.9	715.1
SY Enermax	681.2	718.4	704.7	703.2
KWS Sabino	680.3	726.9	703.6	709.0
SY Amfora	719.0	752.3	731.6	735.2
P9610	692.9	718.0	696.7	715.8
KWS Editio	726.8	763.1	735.7	730.9
Bismark	730.5	756.0	744.2	732.2
KXC1211 (KWS Go)	705.7	741.5	702.4	735.5
KXC1368	696.3	727.2	705.3	709.3
SY Granaris	707.9	733.8	712.8	717.7
Mendy	698.7	730.4	719.3	727.6
SU Crumber	732.9	754.2	713.4	748.5
LZM272/33	722.6	755.4	720.4	729.1
P9967	687.6	718.9	696.3	711.7
KXC1366	702.1	729.8	689.0	723.4
KXC2121	712.4	739.5	708.4	720.4
SY Bradford	726.7	741.0	707.7	733.8
SC3211	711.2	727.6	693.4	717.6
SY Fertilius	727.6	747.0	707.1	729.3
Bone	718.1	765.3	720.2	720.8
P9911	679.3	717.9	702.9	717.6
LG 31479	713.6	725.2	712.7	719.6
SY Glorius	707.1	729.9	717.2	719.8
KWS Inteligens	697.7	728.9	693.5	711.7
-Bezugsgrösse(n)	722.9	757.7	733.6	733.1
Versuchs-Mittel	707.9	736.8	709.8	722.3
VK [%]	1.9	1.5	2.2	2.1
KGD (5%)	21.6	18.5	25.9	ns
KGD (1%)	28.9	24.7	34.6	ns
Versuchs-Streuung	13.2	11.2	15.8	15.1
FG Fehlerterm	45.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	351.6 -	329.6 -	346.7 ----	372.8 ---	351.3 --
SY Enermax	374.6 ----	389.4 -----	377.5 -----	378.2 ---	357.6 --
KWS Sabino	371.3 ---	386.7 -----	361.9 -----	343.3 -	374.7 -----
SY Amfora	391.5 -----	394.7 -----	370.8 -----	421.3 -----	373.1 ----
P9610	385.8 -----	432.1 -----	350.9 ----	406.4 ----	371.5 ----
KWS Editio	406.2 -----	344.4 --	401.1 -----	395.9 ----	406.0 -----
Bismark	420.9 -----	398.1 -----	404.1 -----	481.5 -----	418.0 -----
KXC1211 (KWS Go)	398.7 -----	391.9 -----	426.1 -----	390.3 ----	379.1 ----
KXC1368	384.8 ----	369.5 ----	391.7 -----	400.9 ----	365.9 ----
SY Granaris	396.9 -----	424.8 -----	382.0 -----	414.5 -----	379.5 -----
Mendy	369.6 ---	391.0 -----	309.4 --	387.6 ----	345.8 -
SU Crumber	406.9 -----	411.1 -----	398.2 -----	406.0 ----	399.1 -----
LZM272/33	375.0 ----	389.4 ----	331.5 ---	374.0 ---	382.1 ----
P9967	367.8 ---	413.5 -----	315.5 --	384.5 ---	376.0 ----
KXC1366	381.0 ----	408.0 -----	366.0 ----	385.1 ----	354.1 --
KXC2121	387.0 ----	390.3 -----	395.0 -----	402.5 ----	384.1 ----
SY Bradford	391.7 -----	382.5 -----	388.3 -----	433.7 -----	369.2 ----
SC3211	367.4 ---	357.9 ---	306.9 -	414.5 -----	344.6 -
SY Fertilius	387.5 -----	394.8 -----	381.3 -----	419.8 -----	372.4 ----
Bone	414.4 -----	406.8 -----	410.4 -----	432.8 -----	412.7 -----
P9911	358.5 --	407.3 -----	296.0 -	367.8 --	349.9 -
LG 31479	359.3 --	375.4 ----	325.7 ---	373.2 ---	356.0 --
SY Glorius	380.8 ----	375.5 ----	350.7 ----	429.6 -----	358.8 ---
KWS Inteligens	361.5 --	396.6 -----	321.3 ---	384.8 ----	369.4 ----
-Bezugsgrösse(n)	398.9 -----	369.5 ----	386.0 -----	408.6 ----	389.6 -----
Versuchs-Mittel	383.0 ----	390.0 ----	362.9 ----	400.0 ----	373.0 ----
VK [%]	6.6	8.8	7.4	6.6	7.6
KGD (5%)	14.7	ns	44.4	43.7	ns
KGD (1%)	19.3	ns	59.2	58.3	ns
Versuchs-Streuung	25.3	34.2	27.0	26.6	28.3
FG Fehlerterm	344.0	23.0	46.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	177313.7	23	12.04 ***	1.56	0.0000
Anbauorte	140025.7	7	31.24 ***	2.04	0.0000
WW Verf.*Anb.Orte	160155.4	161	1.55 ns	1.24	
Fehler	220243.8	344			
Insgesamt	697738.7	535			

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH		8193 Eglisau ZH		8566 Ellighausen TG		9465 Salez	
P8888	338.6	-	368.1	--	329.7	-	376.1	-
SY Enermax	348.9	---	383.6	---	368.8	-----	392.9	---
KWS Sabino	342.3	--	401.4	-----	360.4	----	399.9	---
SY Amfora	360.0	----	400.6	-----	386.7	-----	424.9	-----
P9610	360.0	----	395.6	----	365.1	----	405.3	----
KWS Editio	398.0	-----	460.2	-----	412.8	-----	431.4	-----
Bismark	408.7	-----	421.0	-----	429.1	-----	407.0	----
KXC1211 (KWS Go)	377.4	-----	416.7	-----	380.9	-----	427.4	-----
KXC1368	366.2	----	406.6	----	374.5	----	402.9	----
SY Granaris	380.2	-----	405.6	----	379.6	-----	409.3	----
Mendy	364.4	----	357.1	-	395.8	-----	405.7	----
SU Crumber	387.5	-----	401.1	----	389.3	-----	462.8	-----
LZM272/33	360.9	----	385.1	---	364.5	----	412.7	----
P9967	341.7	--	359.5	-	364.8	----	387.1	--
KXC1366	360.1	----	410.8	-----	357.9	---	406.2	----
KXC2121	351.4	---	385.1	---	386.7	-----	400.7	---
SY Bradford	380.8	-----	394.8	----	359.0	----	425.5	-----
SC3211	356.0	----	390.7	----	362.9	----	405.9	----
SY Fertilius	369.4	-----	393.3	----	350.2	---	419.1	-----
Bone	389.3	-----	440.2	-----	403.2	-----	420.0	-----
P9911	335.7	-	361.7	-	368.6	-----	381.5	-
LG 31479	344.8	--	359.6	-	352.1	---	387.8	--
SY Glorius	371.6	-----	385.1	---	373.0	-----	402.6	----
KWS Inteligens	334.4	-	371.0	--	334.3	-	380.2	-
-Bezugsgrösse(n)	379.0	-----	430.4	-----	399.7	-----	428.2	-----
Versuchs-Mittel	363.7	----	393.9	----	372.9	----	407.3	----
VK [%]	6.2		5.3		6.2		5.6	
KGD (5%)	37.2		34.0		37.8		37.2	
KGD (1%)	49.7		45.4		50.5		ns	
Versuchs-Streuung	22.6		20.7		23.0		22.6	
FG Fehlerterm	45.0		46.0		46.0		46.0	
Anz. Beob.	3.0		3.0		3.0		3.0	

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	188.6	191.9	194.2	182.3	201.3
SY Enermax	188.6	177.6	187.4	189.8	206.3
KWS Sabino	188.9	177.5	192.5	213.7	191.8
SY Amfora	176.4	176.6	188.9	159.2	192.0
P9610	185.2	160.8	205.2	179.1	195.6
KWS Editio	176.3	197.6	186.1	181.7	188.3
Bismark	163.3	175.8	176.8	133.3	173.1
KXC1211 (KWS Go)	178.4	177.1	161.7	181.9	204.4
KXC1368	183.3	183.4	181.4	175.6	201.7
SY Granaris	180.4	164.1	185.4	176.0	193.3
Mendy	190.4	182.3	217.0	186.4	211.1
SU Crumber	175.2	171.3	175.1	178.3	185.8
LZM272/33	183.0	168.6	203.7	177.1	198.0
P9967	191.9	169.5	211.6	184.9	196.1
KXC1366	187.2	170.0	191.4	185.6	208.0
KXC2121	181.9	174.8	181.0	176.2	198.4
SY Bradford	178.9	184.4	173.4	161.1	204.3
SC3211	189.7	195.1	212.0	173.8	199.4
SY Fertilius	178.3	170.8	178.5	162.4	195.9
Bone	170.0	160.8	171.0	166.2	178.8
P9911	193.6	172.5	215.1	192.3	206.0
LG 31479	188.7	185.5	195.3	193.2	199.3
SY Glorius	183.7	180.6	197.7	168.7	207.1
KWS Inteligens	185.2	168.3	208.0	179.5	184.1
-Bezugsgrösse(n)	176.4	187.1	187.5	170.5	190.1
Versuchs-Mittel	182.8	176.5	191.3	177.4	196.7
VK [%]	6.9	9.1	6.8	7.8	7.8
KGD (5%)	7.3	ns	21.5	22.6	ns
KGD (1%)	9.6	ns	28.7	30.2	ns
Versuchs-Streuung	12.6	16.1	13.1	13.8	15.3
FG Fehlerterm	340.0	23.0	46.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	28132.8	23	7.69 ***	1.56	0.0000
Anbauorte	43852.7	7	39.39 ***	2.04	0.0000
WW Verf.*Anb.Orte	36266.0	161	1.42 ns	1.24	
Fehler	54070.1	340			
Insgesamt	162321.5	531			

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	189.1 -----	174.5 -----	199.6 -----	176.2 -----
SY Enermax	201.4 -----	177.0 -----	188.8 -----	180.8 -----
KWS Sabino	195.3 -----	171.6 -----	190.2 -----	178.7 -----
SY Amfora	187.1 -----	162.0 ----	179.7 ----	166.0 ----
P9610	194.0 -----	179.2 -----	196.1 -----	171.3 -----
KWS Editio	172.5 --	149.0 -	169.2 --	165.8 ----
Bismark	166.3 -	157.5 ---	163.4 -	160.3 ---
KXC1211 (KWS Go)	180.9 ----	166.3 ----	193.3 -----	161.2 ----
KXC1368	188.8 -----	168.6 -----	189.7 -----	177.6 -----
SY Granaris	184.6 ----	174.2 -----	191.2 -----	174.7 -----
Mendy	196.1 -----	184.7 -----	179.0 ----	166.4 ----
SU Crumber	181.0 ----	171.8 -----	185.6 -----	152.6 -
LZM272/33	186.0 -----	174.3 -----	190.4 -----	166.1 ----
P9967	204.2 -----	192.4 -----	195.2 -----	181.1 -----
KXC1366	193.9 -----	173.2 -----	201.7 -----	174.0 -----
KXC2121	191.2 -----	171.0 -----	189.2 -----	173.5 -----
SY Bradford	181.1 ----	169.7 ----	194.4 -----	162.5 ----
SC3211	191.9 -----	174.9 -----	195.1 -----	175.5 -----
SY Fertilius	185.3 ----	171.6 -----	195.1 -----	167.4 ----
Bone	180.5 ----	157.6 ---	174.5 ----	170.5 -----
P9911	205.2 -----	189.4 -----	188.4 -----	179.9 -----
LG 31479	186.1 -----	185.8 -----	192.1 -----	172.3 -----
SY Glorius	179.6 ----	177.3 -----	188.7 -----	170.1 -----
KWS Inteligens	189.5 -----	173.0 -----	200.3 -----	178.9 -----
-Bezugsgrösse(n)	179.8 ----	155.5 --	174.5 ---	165.9 ----
Versuchs-Mittel	188.0 -----	172.8 -----	188.8 -----	171.0 -----
VK [%]	5.4	5.8	5.9	6.7
KGD (5%)	16.8	16.6	18.4	ns
KGD (1%)	22.4	22.2	ns	ns
Versuchs-Streuung	10.2	10.1	11.2	11.5
FG Fehlerterm	45.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	420.8	435.0	426.6	408.0	447.8
SY Enermax	415.3	411.1	403.3	420.7	446.5
KWS Sabino	426.0	419.1	426.7	466.8	424.9
SY Amfora	398.9	418.9	408.7	373.0	427.5
P9610	413.3	375.8	435.5	413.3	433.7
KWS Editio	390.4	430.6	401.2	405.0	419.0
Bismark	369.4	395.5	379.9	327.9	388.1
KXC1211 (KWS Go)	395.7	402.2	368.1	413.4	441.8
KXC1368	416.4	432.8	408.9	422.7	444.1
SY Granaris	406.0	391.4	419.6	414.2	423.8
Mendy	419.3	414.5	466.0	429.7	463.2
SU Crumber	383.4	389.3	382.0	405.6	406.0
LZM272/33	403.2	386.5	433.0	405.5	431.4
P9967	418.1	391.9	448.9	425.4	426.3
KXC1366	419.1	395.6	430.9	434.7	456.3
KXC2121	403.0	396.7	397.6	412.3	430.6
SY Bradford	393.7	412.9	381.0	377.6	436.2
SC3211	419.1	433.9	452.3	411.3	446.6
SY Fertilius	399.0	398.4	394.5	382.7	433.0
Bone	379.4	384.2	368.3	384.8	394.8
P9911	420.7	396.8	449.0	429.6	451.4
LG 31479	413.5	419.8	422.6	428.5	427.1
SY Glorius	409.1	415.9	437.9	390.4	451.6
KWS Inteligens	414.5	391.6	449.3	418.6	419.0
-Bezugsgrösse(n)	394.6	424.7	405.0	389.0	423.3
Versuchs-Mittel	406.1	405.8	416.3	408.4	432.1
VK [%]	5.2	7.2	4.8	5.8	5.9
KGD (5%)	12.4	ns	33.1	38.9	ns
KGD (1%)	16.3	ns	44.2	52.0	ns
Versuchs-Streuung	21.3	29.2	20.1	23.7	25.5
FG Fehlerterm	340.0	23.0	46.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	116591.8	23	11.17 ***	1.56	0.0000
Anbauorte	123703.1	7	38.94 ***	2.04	0.0000
WW Verf.*Anb.Orte	103175.1	161	1.41 ns	1.24	
Fehler	154291.7	340			
Insgesamt	497761.8	531			

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	417.4	393.4	434.8	403.7
SY Enermax	434.3	388.6	412.8	405.3
KWS Sabino	441.4	387.4	430.2	411.8
SY Amfora	408.9	368.2	401.5	384.6
P9610	422.1	398.8	430.5	396.5
KWS Editio	380.8	337.1	375.4	373.6
Bismark	376.9	358.2	363.5	364.8
KXC1211 (KWS Go)	399.5	367.3	410.1	363.0
KXC1368	420.5	385.0	416.1	401.3
SY Granaris	407.2	384.4	407.8	399.7
Mendy	417.7	394.0	383.4	386.1
SU Crumber	375.9	365.3	393.9	349.4
LZM272/33	403.5	373.8	411.8	380.3
P9967	424.8	407.1	423.4	397.2
KXC1366	412.8	391.5	440.8	390.4
KXC2121	413.0	380.7	407.5	385.7
SY Bradford	394.5	371.1	406.3	370.2
SC3211	414.7	381.2	415.7	397.0
SY Fertilius	403.2	377.2	424.9	377.9
Bone	393.2	346.7	384.6	378.2
P9911	426.1	401.3	413.5	397.6
LG 31479	406.0	391.0	412.3	400.8
SY Glorius	400.3	391.6	397.6	388.0
KWS Inteligens	418.3	394.0	424.0	401.1
-Bezugsgrösse(n)	394.9	352.7	388.5	379.1
Versuchs-Mittel	408.9	380.6	409.3	387.7
VK [%]	4.2	4.5	5.0	4.8
KGD (5%)	28.2	27.9	33.5	30.8
KGD (1%)	37.6	37.3	44.8	ns
Versuchs-Streuung	17.1	17.0	20.4	18.7
FG Fehlerterm	45.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	234.5	242.6	235.4	227.0	255.3
SY Enermax	229.5	222.9	220.6	230.0	255.3
KWS Sabino	231.9	228.2	230.3	258.4	236.7
SY Amfora	217.3	224.9	225.4	196.4	237.7
P9610	228.3	203.5	243.2	224.7	242.2
KWS Editio	213.6	239.5	218.8	223.6	235.4
Bismark	196.9	213.3	203.2	167.0	213.6
KXC1211 (KWS Go)	216.9	219.5	197.0	226.7	250.1
KXC1368	224.7	232.8	216.3	223.4	247.2
SY Granaris	221.4	211.4	227.7	220.2	238.2
Mendy	232.1	228.8	259.5	234.1	261.0
SU Crumber	208.4	213.1	207.6	215.8	223.3
LZM272/33	223.2	213.8	242.4	221.9	242.9
P9967	233.5	214.7	253.8	231.8	238.0
KXC1366	229.5	213.9	233.1	233.6	255.0
KXC2121	220.8	219.0	215.4	217.0	237.3
SY Bradford	217.7	229.4	209.3	200.8	247.4
SC3211	232.4	239.6	254.3	220.9	251.8
SY Fertilius	219.7	214.2	215.0	205.9	244.6
Bone	203.3	202.6	196.0	202.0	216.3
P9911	234.1	212.8	254.0	237.4	256.7
LG 31479	227.1	227.5	232.1	232.2	240.4
SY Glorius	224.1	224.5	239.5	210.0	252.4
KWS Inteligens	227.0	210.2	248.9	229.1	228.6
-Bezugsgrösse(n)	215.4	232.2	222.1	210.0	236.5
Versuchs-Mittel	222.8	220.9	228.3	220.4	242.0
VK [%]	6.4	8.7	5.7	7.3	7.2
KGD (5%)	8.3	ns	21.4	26.3	ns
KGD (1%)	10.9	ns	28.6	35.1	ns
Versuchs-Streuung	14.2	19.3	13.0	16.0	17.5
FG Fehlerterm	338.0	23.0	44.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	51767.4	23	11.09 ***	1.56	0.0000
Anbauorte	56571.4	7	39.83 ***	2.04	0.0000
WW Verf.*Anb.Orte	47304.5	161	1.45 ns	1.24	
Fehler	68579.9	338			
Insgesamt	224223.3	529			

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	230.3	218.6	246.4	220.5
SY Enermax	242.7	217.2	228.6	218.5
KWS Sabino	237.0	210.2	235.7	218.8
SY Amfora	226.4	200.5	222.1	204.8
P9610	235.7	222.5	238.2	216.3
KWS Editio	207.1	183.2	201.5	199.9
Bismark	203.3	193.4	189.9	191.4
KXC1211 (KWS Go)	220.5	204.6	223.6	193.4
KXC1368	231.9	211.6	221.9	212.6
SY Granaris	226.2	216.4	222.8	208.1
Mendy	236.9	227.0	209.2	200.1
SU Crumber	210.9	204.2	215.9	176.4
LZM272/33	227.3	213.3	226.5	197.8
P9967	241.0	235.8	234.0	218.8
KXC1366	231.8	213.8	243.7	210.7
KXC2121	233.5	210.0	226.8	207.7
SY Bradford	219.0	205.2	232.2	197.9
SC3211	233.4	212.8	233.3	212.9
SY Fertilius	226.6	210.5	238.4	202.6
Bone	216.3	189.4	205.1	198.5
P9911	241.9	226.3	226.9	216.8
LG 31479	226.3	219.6	226.0	212.7
SY Glorius	219.7	221.0	220.7	205.0
KWS Inteligens	230.6	215.2	238.9	215.0
-Bezugsgrösse(n)	216.7	191.9	211.8	202.3
Versuchs-Mittel	227.3	211.8	225.3	206.5
VK [%]	5.1	5.4	5.7	6.3
KGD (5%)	19.1	18.7	21.1	21.3
KGD (1%)	25.5	25.0	28.1	ns
Versuchs-Streuung	11.6	11.4	12.8	12.9
FG Fehlerterm	45.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	26.9	27.8	29.7	28.3	27.5
SY Enermax	27.7	25.4	28.0	28.8	29.0
KWS Sabino	25.7	23.0	28.7	28.8	24.9
SY Amfora	22.2	25.4	24.9	21.3	21.4
P9610	26.5	23.9	31.3	27.1	25.2
KWS Editio	23.8	25.9	26.7	25.4	24.9
Bismark	22.5	24.2	25.1	21.3	22.3
KXC1211 (KWS Go)	25.6	25.2	25.7	28.5	28.6
KXC1368	25.8	25.8	26.9	26.9	26.6
SY Granaris	25.8	25.9	28.0	28.0	25.7
Mendy	26.7	25.4	32.0	28.3	26.6
SU Crumber	23.5	24.2	24.8	25.5	23.2
LZM272/33	23.3	22.9	26.9	23.7	24.1
P9967	27.1	24.0	31.5	29.1	24.9
KXC1366	26.0	22.6	28.5	27.1	27.8
KXC2121	25.0	24.3	27.0	26.7	26.3
SY Bradford	23.7	25.5	23.6	23.7	25.3
SC3211	27.2	27.3	31.3	26.8	26.7
SY Fertilius	23.0	22.4	24.3	22.7	22.4
Bone	22.9	22.3	23.6	24.7	22.4
P9911	26.9	25.7	30.9	27.7	26.4
LG 31479	25.9	26.3	27.6	26.8	25.9
SY Glorius	25.4	23.8	28.5	26.0	26.6
KWS Inteligens	27.2	25.9	32.8	27.5	25.0
-Bezugsgrösse(n)	23.0	25.7	25.8	23.3	23.2
Versuchs-Mittel	25.3	24.8	27.8	26.3	25.4
VK [%]	7.3	9.3	7.0	7.9	7.9
KGD (5%)	1.1	ns	3.2	3.4	3.3
KGD (1%)	1.4	ns	4.3	4.6	4.4
Versuchs-Streuung	1.8	2.3	1.9	2.1	2.0
FG Fehlerterm	336.0	23.0	44.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1556.3	23	20.14	***	1.56	0.0000
Anbauorte	1057.3	7	44.97	***	2.04	0.0000
WW Verf.*Anb.Orte	797.7	161	1.48	ns	1.24	
Fehler	1128.7	336				
Insgesamt	4540.0	527				

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	25.3 -----	23.4 -----	26.2 -----	27.2 -----
SY Enermax	29.4 -----	26.4 -----	26.3 -----	27.9 -----
KWS Sabino	26.6 -----	22.9 -----	24.6 -----	26.0 -----
SY Amfora	21.6 -	19.7 --	20.7 -	22.3 -
P9610	26.6 -----	24.4 -----	27.5 -----	26.3 -----
KWS Editio	22.0 --	19.0 -	22.9 ----	23.2 --
Bismark	21.2 -	20.1 --	21.8 --	23.8 ---
KXC1211 (KWS Go)	25.0 -----	22.5 -----	25.1 -----	24.6 -----
KXC1368	26.5 -----	23.1 -----	24.8 -----	25.8 -----
SY Granaris	25.1 -----	24.0 -----	24.7 -----	24.8 -----
Mendy	27.4 -----	24.8 -----	24.2 -----	24.6 -----
SU Crumber	22.6 --	21.0 ---	24.2 -----	22.2 -
LZM272/33	23.2 ---	20.1 --	22.3 ---	23.2 --
P9967	27.5 -----	24.8 -----	27.4 -----	27.4 -----
KXC1366	26.8 -----	23.0 -----	27.1 -----	24.7 -----
KXC2121	25.4 -----	22.1 -----	24.2 -----	24.1 -----
SY Bradford	21.7 -	21.1 ----	24.7 -----	23.8 ----
SC3211	26.0 -----	24.8 -----	28.2 -----	27.0 -----
SY Fertilius	22.1 --	20.5 ---	24.0 -----	25.7 -----
Bone	23.3 ---	19.0 -	22.8 ---	25.2 -----
P9911	27.4 -----	24.5 -----	26.4 -----	26.5 -----
LG 31479	24.7 -----	23.8 -----	24.9 -----	27.4 -----
SY Glorius	24.6 -----	23.0 -----	24.2 -----	26.9 -----
KWS Inteligens	26.7 -----	24.1 -----	28.2 -----	27.6 -----
-Bezugsgrösse(n)	21.8 -	19.4 -	21.8 --	22.8 --
Versuchs-Mittel	25.0 -----	22.6 -----	24.9 -----	25.3 -----
VK [%]	6.3	4.8	6.6	7.8
KGD (5%)	2.6	1.8	2.7	3.3
KGD (1%)	3.5	2.4	3.6	4.4
Versuchs-Streuung	1.6	1.1	1.6	2.0
FG Fehlerterm	43.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	76.2 -----	80.2 -----	77.4 -----	80.3 -----	66.0 ----
SY Enermax	73.2 ----	73.2 ---	74.2 ----	74.6 ----	64.5 ----
KWS Sabino	71.0 --	73.2 ---	71.7 ---	68.5 -	66.5 ----
SY Amfora	70.0 -	70.4 -	70.9 --	75.4 ----	61.4 -
P9610	71.6 --	79.5 -----	68.8 -	71.5 ---	64.4 ----
KWS Editio	72.9 ----	75.1 ----	69.5 -	74.7 ----	67.7 ----
Bismark	79.8 -----	79.0 -----	76.4 -----	84.3 -----	71.9 -----
KXC1211 (KWS Go)	73.8 ----	72.5 --	80.4 -----	74.7 ----	64.0 ---
KXC1368	71.8 --	72.6 --	73.6 ----	70.6 --	65.2 ----
SY Granaris	70.5 -	77.2 -----	71.1 --	69.4 -	64.7 ----
Mendy	73.4 ----	76.6 -----	74.1 ----	71.4 --	61.0 -
SU Crumber	75.1 -----	77.6 -----	76.9 -----	75.7 ----	67.9 -----
LZM272/33	73.7 ----	82.0 -----	72.8 ----	78.3 -----	64.9 ----
P9967	73.0 ---	75.0 ----	74.1 ----	73.7 ---	62.8 --
KXC1366	70.9 -	72.0 --	73.4 ----	68.4 -	63.8 --
KXC2121	71.1 --	76.5 -----	72.8 ----	69.0 -	63.1 --
SY Bradford	74.9 -----	74.8 ----	80.8 -----	75.4 ----	66.9 -----
SC3211	75.2 -----	76.4 -----	79.1 -----	71.8 ---	69.4 -----
SY Fertilius	73.7 ----	77.4 -----	77.4 -----	74.3 ----	61.7 -
Bone	75.8 -----	79.9 -----	74.4 ----	78.4 -----	72.3 -----
P9911	74.7 ----	78.2 -----	75.6 -----	73.1 ----	64.6 ----
LG 31479	74.9 -----	75.4 ----	81.2 -----	70.5 --	68.1 -----
SY Glorius	74.3 ----	76.6 -----	74.7 ----	75.7 ----	63.3 ---
KWS Inteligens	75.1 -----	82.2 -----	73.4 ----	73.3 ----	70.4 -----
-Bezugsgrösse(n)	71.5 --	72.8 ---	70.2 --	75.0 ----	64.6 ----
Versuchs-Mittel	73.6 ----	76.4 -----	74.8 ----	73.9 ----	65.7 ----
VK [%]	4.2	4.2	4.3	3.2	4.6
KGD (5%)	1.8	ns	5.2	3.8	5.0
KGD (1%)	2.4	ns	7.0	5.1	6.6
Versuchs-Streuung	3.1	3.2	3.2	2.3	3.0
FG Fehlerterm	336.0	23.0	44.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2599.8	23	11.82 ***	1.56	0.0000
Anbauorte	6290.9	7	93.95 ***	2.04	0.0000
WW Verf. *Anb.Orte	3180.2	161	2.06 ***	1.24	0.0004
Fehler	3214.0	336			
Insgesamt	15284.9	527			

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	79.6 -----	74.7 ----	72.6 -----	78.7 -----
SY Enermax	75.1 ----	80.0 -----	70.6 ----	73.4 ----
KWS Sabino	78.4 -----	74.8 ----	68.4 --	66.3 -
SY Amfora	71.4 -	74.2 ----	68.7 ---	67.9 -
P9610	74.2 ---	69.9 -	70.0 ----	74.7 ----
KWS Editio	74.1 ---	74.1 ----	75.4 -----	72.9 ----
Bismark	81.1 -----	81.0 -----	79.4 -----	85.4 -----
KXC1211 (KWS Go)	77.7 -----	74.7 ----	68.1 --	77.9 -----
KXC1368	74.7 ----	75.3 ----	72.2 ----	70.0 ---
SY Granaris	74.7 ----	73.6 ----	66.5 -	66.5 -
Mendy	77.6 -----	78.0 -----	75.1 -----	73.6 ----
SU Crumber	82.5 -----	76.5 -----	71.5 ----	72.0 ----
LZM272/33	75.7 ----	73.4 ----	68.4 --	74.4 ----
P9967	79.6 -----	71.5 --	72.2 ----	75.4 ----
KXC1366	77.0 -----	71.0 --	69.4 ---	72.2 ----
KXC2121	74.9 ----	73.4 ----	65.9 -	73.5 ----
SY Bradford	78.3 -----	77.5 -----	71.3 -----	74.1 -----
SC3211	78.1 -----	80.2 -----	73.2 -----	73.2 ----
SY Fertilius	74.7 ----	78.0 -----	69.8 ---	76.6 -----
Bone	75.9 ----	75.6 ----	73.5 ----	76.4 ----
P9911	77.9 -----	75.3 -----	74.2 -----	78.3 -----
LG 31479	79.5 -----	75.8 -----	74.1 -----	74.4 ----
SY Glorius	77.9 -----	74.5 ----	74.3 -----	77.4 -----
KWS Inteligens	78.6 -----	74.7 ----	72.5 ----	76.0 -----
-Bezugsgrösse(n)	72.8 --	74.2 ----	72.1 -----	70.4 ---
Versuchs-Mittel	77.0 -----	75.3 -----	71.6 -----	74.2 ----
VK [%]	3.6	4.8	4.3	4.7
KGD (5%)	4.6	ns	5.0	5.7
KGD (1%)	6.1	ns	6.7	7.7
Versuchs-Streuung	2.8	3.6	3.1	3.5
FG Fehlerterm	45.0	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	6.4 --	6.2 -	6.3 -----	6.4 ----	6.2 ---
SY Enermax	6.3 -	6.4 ----	6.4 -----	6.2 ---	6.1 --
KWS Sabino	6.4 -	6.5 -----	6.3 -----	5.9 -	6.5 -----
SY Amfora	6.7 -----	6.5 -----	6.6 -----	6.8 -----	6.6 -----
P9610	6.4 --	6.7 -----	6.1 ---	6.3 ----	6.3 -----
KWS Editio	6.6 -----	6.3 --	6.4 -----	6.5 -----	6.4 -----
Bismark	6.8 -----	6.6 -----	6.6 -----	7.2 -----	6.7 -----
KXC1211 (KWS Go)	6.5 ----	6.4 ----	6.7 -----	6.3 ----	6.1 -
KXC1368	6.4 --	6.3 --	6.4 -----	6.3 ----	6.2 ---
SY Granaris	6.5 ----	6.7 -----	6.3 -----	6.4 ----	6.4 -----
Mendy	6.4 --	6.5 -----	5.9 -	6.3 ----	6.2 ---
SU Crumber	6.7 -----	6.6 -----	6.7 -----	6.4 ----	6.6 -----
LZM272/33	6.6 -----	6.7 -----	6.3 ----	6.5 -----	6.4 -----
P9967	6.4 -	6.7 -----	6.0 ---	6.3 ---	6.5 -----
KXC1366	6.4 --	6.6 -----	6.3 ----	6.2 ---	6.1 --
KXC2121	6.5 ---	6.5 -----	6.5 -----	6.2 ---	6.2 --
SY Bradford	6.6 -----	6.5 -----	6.7 -----	6.6 -----	6.3 ----
SC3211	6.4 -	6.3 --	6.0 --	6.5 -----	6.3 ----
SY Fertilius	6.6 -----	6.6 -----	6.6 -----	6.7 -----	6.4 -----
Bone	6.7 -----	6.8 -----	6.7 -----	6.5 -----	6.6 -----
P9911	6.3 -	6.6 -----	6.0 --	6.2 ---	6.2 ---
LG 31479	6.5 ---	6.4 ----	6.3 ----	6.3 ----	6.4 -----
SY Glorius	6.4 ---	6.5 -----	6.2 ----	6.5 -----	6.1 -
KWS Inteligens	6.4 --	6.5 -----	5.9 -	6.4 ----	6.5 -----
-Bezugsgrösse(n)	6.6 -----	6.4 ---	6.5 -----	6.6 -----	6.5 -----
Versuchs-Mittel	6.5 ----	6.5 -----	6.3 -----	6.4 ----	6.3 -----
VK [%]	2.9	4.1	3.1	3.5	3.4
KGD (5%)	0.1	ns	0.3	0.4	0.4
KGD (1%)	0.1	ns	0.4	0.5	ns
Versuchs-Streuung	0.2	0.3	0.2	0.2	0.2
FG Fehlerterm	340.0	23.0	46.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	8.9	23	10.65 ***		1.56	0.0000
Anbauorte	9.9	7	38.71 ***		2.04	0.0000
WW Verf. *Anb.Orte	9.3	161	1.59 ns		1.24	
Fehler	12.4	340				
Insgesamt	40.5	531				

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	6.5 -----	6.7 ----	6.3 --	6.5 ---
SY Enermax	6.1 -	6.6 -	6.4 ---	6.4 -
KWS Sabino	6.1 -	6.7 --	6.4 ---	6.5 --
SY Amfora	6.6 -----	6.9 -----	6.7 -----	6.8 -----
P9610	6.3 ---	6.6 -	6.3 --	6.5 ---
KWS Editio	6.6 -----	7.1 -----	6.7 -----	6.7 -----
Bismark	6.7 -----	7.0 -----	6.8 -----	6.7 -----
KXC1211 (KWS Go)	6.4 ----	6.8 ----	6.4 ---	6.8 -----
KXC1368	6.3 ----	6.7 --	6.4 ---	6.5 --
SY Granaris	6.4 ----	6.7 ----	6.5 ----	6.6 ----
Mendy	6.3 ----	6.7 ---	6.6 -----	6.7 -----
SU Crumber	6.7 -----	7.0 -----	6.5 ----	6.9 -----
LZM272/33	6.6 -----	7.0 -----	6.6 -----	6.7 -----
P9967	6.2 --	6.6 -	6.3 -	6.5 --
KXC1366	6.4 ----	6.7 --	6.2 -	6.6 ----
KXC2121	6.5 -----	6.8 ----	6.4 ----	6.6 ----
SY Bradford	6.7 -----	6.8 ----	6.4 ----	6.7 -----
SC3211	6.5 -----	6.6 --	6.3 -	6.5 ---
SY Fertilius	6.7 -----	6.9 -----	6.4 ----	6.7 -----
Bone	6.5 -----	7.1 -----	6.6 -----	6.6 ----
P9911	6.1 -	6.6 -	6.4 ---	6.5 ---
LG 31479	6.5 -----	6.6 --	6.5 ----	6.6 ----
SY Glorius	6.4 ----	6.7 ---	6.5 -----	6.6 ----
KWS Inteligens	6.3 ----	6.7 --	6.3 --	6.5 ---
-Bezugsgrösse(n)	6.6 -----	7.0 -----	6.7 -----	6.7 -----
Versuchs-Mittel	6.4 ----	6.8 ----	6.5 ----	6.6 ----
VK [%]	2.2	2.0	2.8	2.6
KGD (5%)	0.2	0.2	0.3	ns
KGD (1%)	0.3	0.3	ns	ns
Versuchs-Streuung	0.1	0.1	0.2	0.2
FG Fehlerterm	45.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P8888	6.6 --	6.4 -	6.4 -----	6.5 ----	6.4 ---
SY Enermax	6.5 -	6.6 ----	6.6 -----	6.4 ---	6.3 --
KWS Sabino	6.5 -	6.7 ----	6.4 ----	5.9 -	6.7 -----
SY Amfora	6.9 -----	6.7 ----	6.8 -----	7.1 -----	6.8 -----
P9610	6.6 --	7.0 -----	6.2 ---	6.5 ----	6.5 ----
KWS Editio	6.8 -----	6.4 -	6.6 -----	6.7 ----	6.6 -----
Bismark	7.1 -----	6.8 -----	6.9 -----	7.6 -----	7.0 -----
KXC1211 (KWS Go)	6.7 ----	6.6 ----	7.0 -----	6.4 ----	6.2 -
KXC1368	6.6 --	6.5 --	6.6 -----	6.5 ----	6.3 ---
SY Granaris	6.7 ----	6.9 -----	6.5 ----	6.5 ----	6.6 -----
Mendy	6.6 --	6.7 ----	5.9 -	6.5 ----	6.3 ---
SU Crumber	6.9 -----	6.9 -----	6.9 -----	6.6 ----	6.8 -----
LZM272/33	6.8 ----	6.9 -----	6.4 ----	6.8 ----	6.6 ----
P9967	6.5 -	6.9 -----	6.1 --	6.4 ----	6.6 ----
KXC1366	6.6 --	6.8 -----	6.4 ----	6.4 ----	6.2 -
KXC2121	6.7 ----	6.7 ----	6.6 -----	6.4 ---	6.3 ---
SY Bradford	6.8 ----	6.7 ----	7.0 -----	6.9 ----	6.4 ----
SC3211	6.5 -	6.4 -	6.1 --	6.6 ----	6.4 ----
SY Fertilius	6.9 -----	6.8 -----	6.8 -----	6.9 -----	6.7 -----
Bone	6.9 -----	7.0 -----	6.9 -----	6.7 ----	6.8 -----
P9911	6.5 -	6.8 -----	6.1 --	6.4 ---	6.4 ---
LG 31479	6.7 ---	6.6 ----	6.4 ----	6.5 ----	6.6 ----
SY Glorius	6.6 ---	6.7 ----	6.4 ----	6.7 ----	6.2 -
KWS Inteligens	6.6 --	6.7 ----	6.0 --	6.6 ----	6.7 -----
-Bezugsgrösse(n)	6.9 -----	6.5 ---	6.7 -----	6.9 -----	6.7 -----
Versuchs-Mittel	6.7 ----	6.7 ----	6.5 ----	6.6 ----	6.5 ----
VK [%]	3.7	5.2	3.7	4.5	4.3
KGD (5%)	0.1	ns	0.4	0.5	0.5
KGD (1%)	0.2	ns	0.5	0.6	ns
Versuchs-Streuung	0.2	0.4	0.2	0.3	0.3
FG Fehlerterm	338.0	23.0	44.0	46.0	46.0
Anz. Beob.	23.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	15.1	23	10.88 ***		1.56	0.0000
Anbauorte	16.6	7	39.39 ***		2.04	0.0000
WW Verf. *Anb.Orte	14.5	161	1.50 ns		1.24	
Fehler	20.3	338				
Insgesamt	66.5	529				

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG	9465 Salez
P8888	6.7 -----	7.0 ----	6.5 --	6.8 ----
SY Enermax	6.2 -	6.8 -	6.6 ---	6.5 -
KWS Sabino	6.2 -	6.9 ---	6.6 ---	6.7 ---
SY Amfora	6.8 -----	7.3 -----	6.9 -----	7.0 -----
P9610	6.4 ---	6.8 -	6.5 --	6.8 ----
KWS Editio	6.9 -----	7.4 -----	7.0 -----	7.0 -----
Bismark	7.0 -----	7.3 -----	7.1 -----	7.0 -----
KXC1211 (KWS Go)	6.6 ----	7.1 ----	6.5 ---	7.0 -----
KXC1368	6.5 ----	6.9 ---	6.6 ----	6.7 ---
SY Granaris	6.6 ----	7.0 ----	6.7 ----	6.8 ----
Mendy	6.5 ----	7.0 ---	6.8 -----	6.9 -----
SU Crumber	7.0 -----	7.3 -----	6.7 ----	7.2 -----
LZM272/33	6.9 -----	7.3 -----	6.8 -----	6.9 -----
P9967	6.3 --	6.8 -	6.4 -	6.7 ---
KXC1366	6.5 ----	7.0 ---	6.4 -	6.9 ----
KXC2121	6.7 ----	7.1 ----	6.6 ----	6.8 ----
SY Bradford	6.9 -----	7.1 -----	6.6 ----	7.0 -----
SC3211	6.6 ----	6.9 ---	6.4 -	6.8 ----
SY Fertilius	6.9 -----	7.2 -----	6.6 ----	7.0 -----
Bone	6.8 -----	7.5 -----	6.8 -----	6.8 ----
P9911	6.2 -	6.8 -	6.6 ---	6.8 ----
LG 31479	6.7 -----	6.9 ---	6.7 ----	6.8 ----
SY Glorius	6.6 -----	6.9 ---	6.8 -----	6.8 ----
KWS Inteligens	6.5 ----	7.0 ---	6.4 -	6.7 ---
-Bezugsgrösse(n)	6.8 -----	7.4 -----	7.0 -----	7.0 -----
Versuchs-Mittel	6.6 ----	7.1 ----	6.7 ----	6.8 ----
VK [%]	2.9	2.3	3.4	3.2
KGD (5%)	0.3	0.3	0.4	ns
KGD (1%)	0.4	0.4	0.5	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2
FG Fehlerterm	45.0	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0	3.0

4.4 Serie spät / Série tardive

4.4.1 Standortangaben / Informations des lieux

			2023	
PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.05.2023	28.09.2023 †
1567	Delley (Avenches)	432	04.05.2023	13.09.2023
8046	Reckenholz	440	06.05.2023	15.09.2023

† Keine Daten für Auswertung berücksichtigt / Aucune information prise en compte pour les mises en valeur.

4.4.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P9911	X00B109	SC	Pioneer	Pioneer, Versoix		SM31/S
LG 31479		SC	Limagrain, Europe	Fenaco, Moudon		SM31/S
KWS Intelligens	KXB8383	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM31/S
Mendy	ESZ9402	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM31/e2
SY Bradford	SA2080	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21+31/e1
	SC3211	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21+31/e1
P9967	1097A001.01	SC	Pioneer	Pioneer, Versoix		SM21+31/e1
P8888	X85H899	SC	Pioneer	Pioneer, Versoix		SM21/S
KWS Shako	KXB8202	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/T
P9610	X95M764	SC	Pioneer	Pioneer, Versoix		SM21/S
P1758	P1758	SC	Pioneer	Pioneer, Versoix		SM41/S
P0937		SC	Pioneer	Pioneer, Versoix		SM41/S

4.4.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Siehe Serie mittelspät (Seiten 116) / voir série mi-tardive (pages 116).

4.4.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängeibr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
P9911	S	0.75	4.82	2.97	0.12					5.57	3.09	8.66
P8888	T	6.41	-5.61	3.67	0.21					0.80	3.88	4.68
P1758	T	4.49	8.20	-7.95	-0.13					12.69	-8.08	4.61
KWS Shako	T	5.95	-8.09	5.34	0.12					-2.14	5.46	3.32
SC3211	e1	1.27	-7.58	5.16	-0.13					-6.31	5.03	-1.28
SY Bradford	e1	9.13	-14.51	2.93	0.21					-5.38	3.14	-2.24
P9967	e1	-1.37	-8.00	6.84	-0.13					-9.37	6.71	-2.66
Mendy	e2	-3.92	-0.85	1.62	0.04					-4.77	1.66	-3.11
P9610	T	-3.46	-9.94	9.14	-0.04					-13.40	9.10	-4.30
P0937	T	0.82	1.08	-7.55	-0.21					1.90	-7.76	-5.86
KWS Intelligens	S	-0.75	-4.82	-2.97	-0.12					-5.57	-3.09	-8.66
LG 31479	S	3.61	-11.42	-1.41	0.08					-7.81	-1.33	-9.14
Bezugsgrossen		0.00	0.00	0.00	0.00					0.00	0.00	0.00
Anz. Beob.		6	6	6	3							
Anz. Orte		2	2	2	1							
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25			

4.4.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha
P9911	3.3	72.0	71.3	228.3	105.3	46.2	8.4	508.6	231.9
LG 31479	3.5	75.0	73.3	250.0	119.3	47.8	8.2	489.5	199.4
KWS Inteligens	4.3	74.0	71.3	232.7	95.3	41.5	8.3	522.3	212.6
Mendy	3.7	73.0	73.0	257.0	131.0	50.9	8.3	510.8	220.6
SY Bradford	3.0	69.3	66.7	232.3	117.7	50.6	7.8	437.7	193.3
SC3211	4.3	73.3	74.3	238.7	114.0	47.7	8.4	452.6	207.1
P9967	4.3	70.7	72.0	226.7	105.3	46.3	8.4	429.1	206.3
P8888	3.0	70.3	69.3	244.0	110.7	45.3	8.4	456.3	211.1
KWS Shako	3.3	70.3	69.0	250.3	117.7	47.0	8.5	442.3	206.1
P9610	4.0	72.3	72.0	231.0	107.7	46.5	8.4	409.2	202.4
P1758	4.3	72.7	74.7	236.3	111.7	47.3	7.8	640.8	238.7
P0937	4.7	74.7	73.3	221.7	99.0	44.7	8.5	602.1	224.4
Bezugsgrösse(n)	3.8	73.0	71.3	230.5	100.3	43.8	8.3	515.5	222.3
Versuchs-Mittel	3.8	72.3	71.7	237.4	111.2	46.8	8.3	491.8	212.8
VK [%]	14.4	2.1	2.7	5.2	6.5	5.8	4.8	12.2	8.0
KGD (5%)	0.9	2.5	3.2	20.8	12.3	4.7	0.5	69.7	19.8
KGD (1%)	1.3	3.4	4.4		16.7			93.2	26.5
Versuchs-Streuung	0.6	1.5	1.9	12.3	7.2	2.7	0.4	59.8	17.0
FG Fehlerterm	19.0	22.0	22.0	22.0	20.0	20.0	41.0	41.0	41.0
Anz. Beob.	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0
Anz. Orte	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
Minimum	3.0	69.3	66.7	221.7	95.3	41.5	7.8	409.2	193.3
Maximum	4.7	75.0	74.7	257.0	131.0	50.9	8.5	640.8	238.7

Sorten Bezeichnung	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfas. Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	ADF Gehalt NIR g/kg TS
P9911	47.1	168.1	98.9	727.2	430.5	164.7	377.7	206.8
LG 31479	43.6	145.8	83.9	734.4	425.1	165.6	377.6	205.5
KWS Inteligens	42.4	153.5	85.3	723.5	404.7	168.0	390.3	212.2
Mendy	46.0	158.7	92.3	715.5	415.3	177.1	403.4	222.1
SY Bradford	47.1	143.0	83.7	748.2	448.3	151.0	351.8	189.9
SC3211	48.8	150.5	89.7	728.5	438.8	160.7	376.9	202.2
P9967	50.2	148.5	86.8	721.9	428.0	168.6	386.1	211.0
P8888	47.7	155.9	86.7	741.4	417.4	155.5	376.1	203.2
KWS Shako	49.0	152.1	87.8	740.2	433.7	155.8	370.0	198.2
P9610	52.0	144.8	84.4	716.7	421.4	171.0	395.2	215.5
P1758	38.4	176.1	91.4	736.6	381.3	174.9	386.8	216.7
P0937	38.7	163.1	91.7	727.4	410.5	171.2	383.3	211.7
Bezugsgrösse(n)	44.7	160.8	92.1	725.3	417.6	166.3	384.0	209.5
Versuchs-Mittel	45.9	155.0	88.6	730.1	421.2	165.3	381.3	207.9
VK [%]	7.6	8.6	10.0	2.6	7.3	9.2	6.5	7.5
KGD (5%)	4.1	15.6						
KGD (1%)	5.4	20.9						
Versuchs-Streuung	3.5	13.4	8.9	18.8	30.9	15.2	24.6	15.5
FG Fehlerterm	41.0	41.0	41.0	43.0	43.0	43.0	43.0	43.0
Anz. Beob.	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Anz. Orte	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum	38.4	143.0	83.7	715.5	381.3	151.0	351.8	189.9
Maximum	52.0	176.1	98.9	748.2	448.3	177.1	403.4	222.1

Sorten Bezeichnung	ADL Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS
P9911	24.4	74.8	6.7	6.9
LG 31479	23.2	73.7	6.8	7.0
KWS Inteligens	24.9	76.8	6.6	6.9
Mendy	25.0	71.6	6.5	6.8
SY Bradford	21.6	80.0	6.9	7.2
SC3211	24.3	76.3	6.7	6.9
P9967	24.5	71.9	6.6	6.8
P8888	23.0	76.3	6.8	7.1
KWS Shako	22.6	73.7	6.8	7.1
P9610	26.0	71.4	6.5	6.8
P1758	22.9	77.8	6.8	7.0
P0937	24.6	76.7	6.7	6.9
Bezugsgrösse(n)	24.6	75.8	6.6	6.9
Versuchs-Mittel	23.9	75.1	6.7	6.9
VK [%]	6.9	4.1	3.3	4.0
KGD (5%)	1.9	3.6		
KGD (1%)	2.6	4.8		
Versuchs-Streuung	1.6	3.1	0.2	0.3
FG Fehlerterm	43.0	41.0	43.0	43.0
Anz. Beob.	6.0	6.0	6.0	6.0
Anz. Orte	2.0	2.0	2.0	2.0
Minimum	21.6	71.4	6.5	6.8
Maximum	26.0	80.0	6.9	7.2

4.4.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1567 Delley FR
P9911	3.3 ---	3.3 ---
LG 31479	3.5 ----	3.5 ----
KWS Inteligens	4.3 -----	4.3 -----
Mendy	3.7 -----	3.7 -----
SY Bradford	3.0 -	3.0 -
SC3211	4.3 -----	4.3 -----
P9967	4.3 -----	4.3 -----
P8888	3.0 -	3.0 -
KWS Shako	3.3 ---	3.3 ---
P9610	4.0 -----	4.0 -----
P1758	4.3 -----	4.3 -----
P0937	4.7 -----	4.7 -----
-Bezugsgrösse(n)	3.8 -----	3.8 -----
Versuchs-Mittel	3.8 -----	3.8 -----
VK [%]	14.4	14.4
KGD (5%)	0.9	0.9
KGD (1%)	1.3	1.3
Versuchs-Streuung	0.6	0.6
FG Fehlerterm	19.0	19.0
Anz. Beob.	3.0	3.0

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	8046 Reckenholz ZH
P9911	72.0 ----	72.0 ----
LG 31479	75.0 -----	75.0 -----
KWS Inteligens	74.0 -----	74.0 -----
Mendy	73.0 -----	73.0 -----
SY Bradford	69.3 -	69.3 -
SC3211	73.3 -----	73.3 -----
P9967	70.7 ---	70.7 ---
P8888	70.3 --	70.3 --
KWS Shako	70.3 --	70.3 --
P9610	72.3 -----	72.3 -----
P1758	72.7 -----	72.7 -----
P0937	74.7 -----	74.7 -----
-Bezugsgrösse(n)	73.0 -----	73.0 -----
Versuchs-Mittel	72.3 -----	72.3 -----
VK [%]	2.1	2.1
KGD (5%)	2.5	2.5
KGD (1%)	3.4	3.4
Versuchs-Streuung	1.5	1.5
FG Fehlerterm	22.0	22.0
Anz. Beob.	3.0	3.0

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	8046 Reckenholz ZH
P9911	71.3 -----	71.3 -----
LG 31479	73.3 -----	73.3 -----
KWS Inteligens	71.3 -----	71.3 -----
Mendy	73.0 -----	73.0 -----
SY Bradford	66.7 -	66.7 -
SC3211	74.3 -----	74.3 -----
P9967	72.0 -----	72.0 -----
P8888	69.3 ----	69.3 ----
KWS Shako	69.0 ----	69.0 ----
P9610	72.0 -----	72.0 -----
P1758	74.7 -----	74.7 -----
P0937	73.3 -----	73.3 -----
-Bezugsgrösse(n)	71.3 -----	71.3 -----
Versuchs-Mittel	71.7 -----	71.7 -----
VK [%]	2.7	2.7
KGD (5%)	3.2	3.2
KGD (1%)	4.4	4.4
Versuchs-Streuung	1.9	1.9
FG Fehlerterm	22.0	22.0
Anz. Beob.	3.0	3.0

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	8046 Reckenholz ZH
P9911	228.3 --	228.3 --
LG 31479	250.0 -----	250.0 -----
KWS Inteligens	232.7 ----	232.7 ----
Mendy	257.0 -----	257.0 -----
SY Bradford	232.3 ----	232.3 ----
SC3211	238.7 ----	238.7 ----
P9967	226.7 --	226.7 --
P8888	244.0 -----	244.0 -----
KWS Shako	250.3 -----	250.3 -----
P9610	231.0 ---	231.0 ---
P1758	236.3 ----	236.3 ----
P0937	221.7 -	221.7 -
-Bezugsgrösse(n)	230.5 ---	230.5 ---
Versuchs-Mittel	237.4 -----	237.4 -----
VK [%]	5.2	5.2
KGD (5%)	20.8	20.8
KGD (1%)	ns	ns
Versuchs-Streuung	12.3	12.3
FG Fehlerterm	22.0	22.0
Anz. Beob.	3.0	3.0

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	8046 Reckenholz ZH
P9911	105.3 ---	105.3 ---
LG 31479	119.3 -----	119.3 -----
KWS Intelligens	95.3 -	95.3 -
Mendy	131.0 -----	131.0 -----
SY Bradford	117.7 -----	117.7 -----
SC3211	114.0 -----	114.0 -----
P9967	105.3 ---	105.3 ---
P8888	110.7 -----	110.7 -----
KWS Shako	117.7 -----	117.7 -----
P9610	107.7 -----	107.7 -----
P1758	111.7 -----	111.7 -----
P0937	99.0 --	99.0 --
-Bezugsgrösse(n)	100.3 --	100.3 --
Versuchs-Mittel	111.2 -----	111.2 -----
VK [%]	6.5	6.5
KGD (5%)	12.3	12.3
KGD (1%)	16.7	16.7
Versuchs-Streuung	7.2	7.2
FG Fehlerterm	20.0	20.0
Anz. Beob.	3.0	3.0

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	8046 Reckenholz ZH
P9911	46.2 -----	46.2 -----
LG 31479	47.8 -----	47.8 -----
KWS Intelligens	41.5 -	41.5 -
Mendy	50.9 -----	50.9 -----
SY Bradford	50.6 -----	50.6 -----
SC3211	47.7 -----	47.7 -----
P9967	46.3 -----	46.3 -----
P8888	45.3 -----	45.3 -----
KWS Shako	47.0 -----	47.0 -----
P9610	46.5 -----	46.5 -----
P1758	47.3 -----	47.3 -----
P0937	44.7 ----	44.7 ----
-Bezugsgrösse(n)	43.8 ---	43.8 ---
Versuchs-Mittel	46.8 -----	46.8 -----
VK [%]	5.8	5.8
KGD (5%)	4.7	4.7
KGD (1%)	ns	ns
Versuchs-Streuung	2.7	2.7
FG Fehlerterm	20.0	20.0
Anz. Beob.	3.0	3.0

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	8046 Reckenholz ZH	1567 Delley FR
P9911	8.4 -----	8.0 -----	8.7 -----
LG 31479	8.2 -----	7.6 -----	8.7 -----
KWS Inteligens	8.3 -----	7.8 -----	8.7 -----
Mendy	8.3 -----	7.9 -----	8.7 -----
SY Bradford	7.8 -	7.4 ----	8.2 -
SC3211	8.4 -----	8.1 -----	8.7 -----
P9967	8.4 -----	8.1 -----	8.7 -----
P8888	8.4 -----	8.2 -----	8.7 -----
KWS Shako	8.5 -----	8.4 -----	8.7 -----
P9610	8.4 -----	8.1 -----	8.7 -----
P1758	7.8 -	6.9 -	8.7 -----
P0937	8.5 -----	8.3 -----	8.7 -----
-Bezugsgrösse(n)	8.3 -----	7.9 -----	8.7 -----
Versuchs-Mittel	8.3 -----	7.9 -----	8.7 -----
VK [%]	4.8	6.3	3.2
KGD (5%)	0.5	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.4	0.5	0.3
FG Fehlerterm	41.0	20.0	21.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4.1	11	2.31 *	2.03	0.0260
Anbauorte	10.9	1	68.48 ***	4.07	0.0000
WW Verf.*Anb.Orte	2.5	11	1.44 ns	2.03	0.1910
Fehler	6.6	41			
Insgesamt	24.1	64			

Rendement brut [dt/ha] / Frischertrag [dt/ha]

Verfahren	Seriemittel	8046 Reckenholz ZH	1567 Delley FR
P9911	508.6 ----	633.2 ----	383.9 -----
LG 31479	489.5 ----	690.9 -----	288.0 --
KWS Inteligens	522.3 ----	643.2 ----	401.4 -----
Mendy	510.8 ----	699.8 -----	321.8 ----
SY Bradford	437.7 --	627.3 ----	248.2 -
SC3211	452.6 --	637.0 ----	268.2 --
P9967	429.1 -	568.7 --	289.4 ---
P8888	456.3 ---	581.0 --	331.5 -----
KWS Shako	442.3 --	617.4 ---	267.2 --
P9610	409.2 -	536.0 -	282.4 --
P1758	640.8 -----	822.3 -----	459.3 -----
P0937	602.1 -----	763.2 -----	441.1 -----
-Bezugsgrösse(n)	515.5 ----	638.2 ----	392.7 -----
Versuchs-Mittel	491.8 ----	651.7 -----	331.9 -----
VK [%]	12.2	10.6	14.2
KGD (5%)	69.7	116.5	80.9
KGD (1%)	93.2	158.2	110.5
Versuchs-Streuung	59.8	68.8	47.3
FG Fehlerterm	41.0	22.0	19.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	329342.1	11	8.38 ***	2.03	0.0000
Anbauorte	1841145.9	1	515.17 ***	4.07	0.0000
WW Verf.*Anb.Orte	61546.7	11	1.57 ns	2.03	0.1459
Fehler	146527.5	41			
Insgesamt	2378562.2	64			

Rendement en matière sèche [dt/ha] / TS Ertrag [dt/ha]

Verfahren	Seriemittel	8046 Reckenholz ZH	1567 Delley FR
P9911	231.9 -----	270.6 -----	193.2 -----
LG 31479	199.4 --	253.4 ---	145.5 ---
KWS Inteligens	212.6 -----	241.1 -	184.1 -----
Mendy	220.6 -----	276.0 -----	165.1 -----
SY Bradford	193.3 -	260.0 ----	126.5 -
SC3211	207.1 ----	263.8 -----	150.4 ----
P9967	206.3 ---	253.8 ---	158.8 -----
P8888	211.1 -----	256.2 ----	166.0 -----
KWS Shako	206.1 ---	272.7 -----	139.5 ---
P9610	202.4 ---	244.7 -	160.1 -----
P1758	238.7 -----	291.6 -----	185.8 -----
P0937	224.4 -----	261.9 -----	187.0 -----
-Bezugsgrösse(n)	222.3 -----	255.9 ----	188.7 -----
Versuchs-Mittel	212.8 -----	262.1 -----	163.5 -----
VK [%]	8.0	6.4	10.5
KGD (5%)	19.8	ns	29.4
KGD (1%)	26.5	ns	40.2
Versuchs-Streuung	17.0	16.8	17.2
FG Fehlerterm	41.0	22.0	19.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12133.2	11	3.82 ***	2.03	0.0008
Anbauorte	175128.1	1	606.75 ***	4.07	0.0000
WW Verf.*Anb.Orte	8909.9	11	2.81 **	2.03	0.0081
Fehler	11834.0	41			
Insgesamt	208005.2	64			

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	8046 Reckenholz ZH	1567 Delley FR
P9911	47.1 -----	43.8 -----	50.4 -----
LG 31479	43.6 ----	36.7 ---	50.5 -----
KWS Inteligens	42.4 ----	37.5 ---	47.2 ----
Mendy	46.0 -----	39.5 -----	52.5 -----
SY Bradford	47.1 -----	41.4 -----	52.7 -----
SC3211	48.8 -----	41.4 -----	56.3 -----
P9967	50.2 -----	44.6 -----	55.8 -----
P8888	47.7 -----	44.1 -----	51.2 -----
KWS Shako	49.0 -----	44.2 -----	53.8 -----
P9610	52.0 -----	46.5 -----	57.6 -----
P1758	38.4 -	35.5 --	41.3 -
P0937	38.7 -	34.3 -	43.0 --
-Bezugsgrösse(n)	44.7 -----	40.7 -----	48.8 -----
Versuchs-Mittel	45.9 -----	40.8 -----	51.0 -----
VK [%]	7.6	8.1	7.2
KGD (5%)	4.1	5.6	6.3
KGD (1%)	5.4	7.6	8.5
Versuchs-Streuung	3.5	3.3	3.7
FG Fehlerterm	41.0	22.0	19.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1242.2	11	9.34 ***	2.03	0.0000
Anbauorte	1879.6	1	155.44 ***	4.07	0.0000
WW Verf.*Anb.Orte	136.7	11	1.03 ns	2.03	0.4409
Fehler	495.8	41			
Insgesamt	3754.2	64			

Rendement en MOD [dt/ha] / VOS Ertrag [dt/ha]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	168.1	-----	192.0	----	144.2	-----
LG 31479	145.8	-	182.8	---	108.7	---
KWS Inteligens	153.5	----	172.3	-	134.8	-----
Mendy	158.7	-----	199.3	-----	118.0	-----
SY Bradford	143.0	-	188.8	----	97.2	-
SC3211	150.5	---	189.7	-----	111.2	----
P9967	148.5	--	181.2	---	115.8	-----
P8888	155.9	-----	187.8	----	124.0	-----
KWS Shako	152.1	---	199.5	-----	104.7	--
P9610	144.8	-	173.8	-	115.7	-----
P1758	176.1	-----	216.1	-----	136.1	-----
P0937	163.1	-----	189.5	----	136.7	-----
-Bezugsgrösse(n)	160.8	-----	182.2	---	139.5	-----
Versuchs-Mittel	155.0	----	189.4	-----	120.6	-----
VK [%]	8.6		7.4		10.6	
KGD (5%)	15.6		ns		21.8	
KGD (1%)	20.9		ns		29.8	
Versuchs-Streuung	13.4		13.9		12.8	
FG Fehlerterm	41.0		22.0		19.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6632.4	11	3.35 **	2.03	0.0023
Anbauorte	85198.7	1	474.02 ***	4.07	0.0000
WW Verf.*Anb.Orte	5138.0	11	2.60 *	2.03	0.0131
Fehler	7369.3	41			
Insgesamt	104338.4	64			

Rendement en amidon [dt/ha] / Stärke Ertrag [dt/ha]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	98.9	-----	108.8	-----	89.0	-----
LG 31479	83.9	-	103.6	-----	64.2	--
KWS Inteligens	85.3	--	91.8	-	78.7	-----
Mendy	92.3	-----	115.5	-----	69.1	---
SY Bradford	83.7	-	106.1	-----	61.3	-
SC3211	89.7	----	109.5	-----	69.9	----
P9967	86.8	---	103.0	----	70.6	----
P8888	86.7	---	101.3	----	72.2	-----
KWS Shako	87.8	---	111.2	-----	64.4	--
P9610	84.4	-	99.2	----	69.6	----
P1758	91.4	-----	112.4	-----	70.4	----
P0937	91.7	-----	105.9	-----	77.5	-----
-Bezugsgrösse(n)	92.1	-----	100.3	----	83.8	-----
Versuchs-Mittel	88.6	----	105.7	-----	71.4	----
VK [%]	10.0		8.6		12.1	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	8.9		9.1		8.7	
FG Fehlerterm	41.0		22.0		19.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1315.7	11	1.52 ns	2.03	0.1626
Anbauorte	21195.7	1	268.80 ***	4.07	0.0000
WW Verf.*Anb.Orte	1908.3	11	2.20 *	2.03	0.0336
Fehler	3233.0	41			
Insgesamt	27652.7	64			

Digestibilität (NIRS) [g./kg MS] / Gehalt verdauliche organische Substanz (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	727.2	----	709.0	-	745.4	-----
LG 31479	734.4	-----	721.6	----	747.1	-----
KWS Inteligens	723.5	---	714.5	--	732.4	----
Mendy	715.5	-	722.1	----	709.0	-
SY Bradford	748.2	-----	726.8	-----	769.5	-----
SC3211	728.5	-----	718.2	---	738.8	-----
P9967	721.9	---	714.0	--	729.8	----
P8888	741.4	-----	733.5	-----	749.2	-----
KWS Shako	740.2	-----	731.7	-----	748.7	-----
P9610	716.7	-	710.3	-	723.1	---
P1758	736.6	-----	741.3	-----	731.8	----
P0937	727.4	----	723.4	----	731.3	----
-Bezugsgrösse(n)	725.3	----	711.8	-	738.9	-----
Versuchs-Mittel	730.1	-----	722.2	-----	738.0	-----
VK [%]	2.6		2.1		2.9	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	18.8		15.5		21.7	
FG Fehlerterm	43.0		22.0		21.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6819.6	11	1.76 ns	2.02	0.0921
Anbauorte	4496.7	1	12.77 ***	4.06	0.0009
WW Verf.*Anb.Orte	4235.4	11	1.09 ns	2.02	0.3892
Fehler	15142.8	43			
Insgesamt	30694.5	66			

Teneur en amidon (NIRS) [g./kg MS] / Stärkegehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	430.5	-----	402.4	-----	458.7	-----
LG 31479	425.1	-----	408.7	-----	441.5	-----
KWS Inteligens	404.7	----	378.7	-	430.8	----
Mendy	415.3	-----	418.4	-----	412.2	----
SY Bradford	448.3	-----	409.0	-----	487.6	-----
SC3211	438.8	-----	413.8	-----	463.7	-----
P9967	428.0	-----	406.4	-----	449.6	-----
P8888	417.4	-----	395.6	----	439.3	-----
KWS Shako	433.7	-----	407.8	-----	459.6	-----
P9610	421.4	-----	405.3	-----	437.4	-----
P1758	381.3	-	385.7	--	376.9	-
P0937	410.5	----	404.5	-----	416.4	----
-Bezugsgrösse(n)	417.6	-----	390.5	----	444.7	-----
Versuchs-Mittel	421.2	-----	403.0	-----	439.5	-----
VK [%]	7.3		4.7		9.0	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	30.9		19.0		39.7	
FG Fehlerterm	43.0		22.0		21.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	20250.0	11	1.93 ns	2.02	0.0622
Anbauorte	23909.4	1	25.03 ***	4.06	0.0000
WW Verf.*Anb.Orte	11157.3	11	1.06 ns	2.02	0.4129
Fehler	41071.4	43			
Insgesamt	96388.0	66			

Teneur en cellulose brute (NIRS) [g./kg MS] / Rohfasergehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	164.7	-----	174.5	-----	154.9	-----
LG 31479	165.6	-----	172.4	-----	158.8	-----
KWS Inteligens	168.0	-----	177.1	-----	158.8	-----
Mendy	177.1	-----	171.9	-----	182.2	-----
SY Bradford	151.0	-	171.3	-----	130.6	-
SC3211	160.7	----	173.3	-----	148.0	----
P9967	168.6	-----	176.9	-----	160.3	-----
P8888	155.5	--	164.6	-	146.4	----
KWS Shako	155.8	--	164.4	-	147.2	----
P9610	171.0	-----	178.5	-----	163.6	-----
P1758	174.9	-----	173.5	-----	176.3	-----
P0937	171.2	-----	179.1	-----	163.4	-----
-Bezugsgrösse(n)	166.3	-----	175.8	-----	156.8	-----
Versuchs-Mittel	165.3	-----	173.1	-----	157.5	-----
VK [%]	9.2		6.1		12.0	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	15.2		10.5		18.9	
FG Fehlerterm	43.0		22.0		21.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4385.8	11	1.73 ns	2.02	0.0985
Anbauorte	4361.0	1	18.94 ***	4.06	0.0001
WW Verf.*Anb.Orte	2653.3	11	1.05 ns	2.02	0.4241
Fehler	9902.4	43			

NDF (NIRS) [g./kg MS] / Zellwandanteil (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	377.7	-----	396.1	-----	359.2	-----
LG 31479	377.6	-----	389.6	-----	365.6	-----
KWS Inteligens	390.3	-----	404.8	-----	375.7	-----
Mendy	403.4	-----	391.3	-----	415.5	-----
SY Bradford	351.8	-	387.0	-----	316.6	-
SC3211	376.9	----	393.4	-----	360.4	----
P9967	386.1	-----	396.7	-----	375.6	-----
P8888	376.1	-----	391.1	-----	361.1	-----
KWS Shako	370.0	----	384.9	-----	355.2	----
P9610	395.2	-----	403.9	-----	386.4	-----
P1758	386.8	-----	380.3	-----	393.2	-----
P0937	383.3	-----	389.8	-----	376.9	-----
-Bezugsgrösse(n)	384.0	-----	400.5	-----	367.5	-----
Versuchs-Mittel	381.3	-----	392.4	-----	370.1	-----
VK [%]	6.5		4.6		8.1	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	24.6		18.1		30.0	
FG Fehlerterm	43.0		22.0		21.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	11325.7	11	1.70 ns	2.02	0.1067
Anbauorte	8954.6	1	14.76 ***	4.06	0.0005
WW Verf.*Anb.Orte	9479.4	11	1.42 ns	2.02	0.1989
Fehler	26088.4	43			
Insgesamt	55848.1	66			

ADF (NIRS) [g./kg MS] / ADF (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	206.8	-----	218.4	-----	195.3	----
LG 31479	205.5	----	215.4	----	195.6	----
KWS Inteligens	212.2	-----	222.1	-----	202.3	-----
Mendy	222.1	-----	216.5	----	227.6	-----
SY Bradford	189.9	-	213.9	----	165.9	-
SC3211	202.2	----	217.1	-----	187.3	----
P9967	211.0	-----	220.6	-----	201.3	-----
P8888	203.2	----	216.8	-----	189.6	----
KWS Shako	198.2	---	209.1	-	187.3	----
P9610	215.5	-----	222.1	-----	208.8	-----
P1758	216.7	-----	217.3	-----	216.1	-----
P0937	211.7	-----	219.5	-----	203.9	-----
-Bezugsgrösse(n)	209.5	-----	220.3	-----	198.8	-----
Versuchs-Mittel	207.9	----	217.4	-----	198.4	-----
VK [%]	7.5		4.9		9.8	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	15.5		10.5		19.5	
FG Fehlerterm	43.0		22.0		21.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5141.0	11	1.93 ns	2.02	0.0614
Anbauorte	6490.4	1	26.84 ***	4.06	0.0000
WW Verf.*Anb.Orte	3465.2	11	1.30 ns	2.02	0.2557
Fehler	10396.6	43			
Insgesamt	25493.2	66			

ADL (NIRS) [g./kg MS] / ADL (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567		
		Reckenholz ZH		Delley FR		
P9911	24.4	-----	26.0	-----	22.7	-----
LG 31479	23.2	----	24.9	-----	21.5	----
KWS Inteligens	24.9	-----	26.0	-----	23.9	-----
Mendy	25.0	-----	24.6	----	25.3	-----
SY Bradford	21.6	-	23.3	-	19.8	-
SC3211	24.3	-----	25.3	-----	23.3	-----
P9967	24.5	-----	25.2	-----	23.9	-----
P8888	23.0	----	23.4	--	22.6	-----
KWS Shako	22.6	---	23.1	-	22.0	----
P9610	26.0	-----	26.8	-----	25.2	-----
P1758	22.9	----	24.0	---	21.8	----
P0937	24.6	-----	25.7	-----	23.4	-----
-Bezugsgrösse(n)	24.6	-----	26.0	-----	23.3	-----
Versuchs-Mittel	23.9	-----	24.9	-----	22.9	-----
VK [%]	6.9		6.1		7.7	
KGD (5%)	1.9		ns		3.0	
KGD (1%)	2.6		ns		ns	
Versuchs-Streuung	1.6		1.5		1.8	
FG Fehlerterm	43.0		22.0		21.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	103.7	11	3.47 **	2.02	0.0016
Anbauorte	67.0	1	24.69 ***	4.06	0.0000
WW Verf.*Anb.Orte	24.9	11	0.83 ns	2.02	0.6071
Fehler	116.7	43			
Insgesamt	312.3	66			

Teneur en protéines (NIRS) [g./kg MS] / Proteingehalt (NIRS) [g./kg TS]

Verfahren	Seriemittel	8046		1567	
		Reckenholz ZH		Delley FR	
P9911	74.8 ----	73.1 --	76.6 ----		
LG 31479	73.7 ---	74.4 ---	73.1 ---		
KWS Inteligens	76.8 -----	76.4 -----	77.2 -----		
Mendy	71.6 -	72.9 -	70.2 -		
SY Bradford	80.0 -----	76.2 -----	83.9 -----		
SC3211	76.3 -----	76.2 -----	76.4 -----		
P9967	71.9 -	72.2 -	71.6 --		
P8888	76.3 -----	74.5 ----	78.1 -----		
KWS Shako	73.7 ---	74.3 ---	73.1 ---		
P9610	71.4 -	72.7 -	70.1 -		
P1758	77.8 -----	80.2 -----	75.5 ----		
P0937	76.7 -----	77.0 -----	76.3 ----		
-Bezugsgrösse(n)	75.8 -----	74.7 ----	76.9 -----		
Versuchs-Mittel	75.1 ----	75.0 ----	75.2 ----		
VK [%]	4.1	4.1	4.0		
KGD (5%)	3.6	ns	5.1		
KGD (1%)	4.8	ns	7.0		
Versuchs-Streuung	3.1	3.1	3.0		
FG Fehlerterm	41.0	22.0	19.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	480.1	11	4.67 ***	2.03	0.0003
Anbauorte	0.7	1	0.07 ns	4.07	0.7930
WW Verf.*Anb.Orte	186.1	11	1.81 ns	2.03	0.0835
Fehler	382.9	41			
Insgesamt	1049.8	64			

NEL (NIRS) [MJ/kg MS] / NEL (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	8046		1567	
		Reckenholz ZH		Delley FR	
P9911	6.7 ----	6.4 -	6.9 -----		
LG 31479	6.8 -----	6.6 -----	6.9 -----		
KWS Inteligens	6.6 ---	6.5 --	6.7 ----		
Mendy	6.5 -	6.6 ----	6.4 -		
SY Bradford	6.9 -----	6.6 -----	7.2 -----		
SC3211	6.7 -----	6.6 ----	6.8 ----		
P9967	6.6 --	6.5 --	6.7 ----		
P8888	6.8 -----	6.7 -----	6.9 -----		
KWS Shako	6.8 -----	6.7 -----	6.9 -----		
P9610	6.5 -	6.5 --	6.6 ---		
P1758	6.8 -----	6.8 -----	6.7 ----		
P0937	6.7 -----	6.6 -----	6.7 ----		
-Bezugsgrösse(n)	6.6 ---	6.5 --	6.8 ----		
Versuchs-Mittel	6.7 -----	6.6 -----	6.8 ----		
VK [%]	3.3	2.6	3.8		
KGD (5%)	ns	ns	ns		
KGD (1%)	ns	ns	ns		
Versuchs-Streuung	0.2	0.2	0.3		
FG Fehlerterm	43.0	22.0	21.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	0.9	11	1.76 ns	2.02	0.0925
Anbauorte	0.6	1	11.66 **	4.06	0.0014
WW Verf.*Anb.Orte	0.6	11	1.21 ns	2.02	0.3126
Fehler	2.0	43			
Insgesamt	4.1	66			

NEV (NIRS) [MJ/kg MS] / NEV (NIRS) [MJ/kg TS]

Verfahren	Seriemittel	8046		1567	
		Reckenholz ZH		Delley FR	
P9911	6.9 ----	6.7 -	7.2 -----		
LG 31479	7.0 -----	6.8 ----	7.2 -----		
KWS Inteligens	6.9 ---	6.7 --	7.0 ----		
Mendy	6.8 -	6.8 ----	6.7 -		
SY Bradford	7.2 -----	6.9 -----	7.5 -----		
SC3211	6.9 ----	6.8 ---	7.1 ----		
P9967	6.8 --	6.7 -	7.0 ----		
P8888	7.1 -----	7.0 -----	7.2 -----		
KWS Shako	7.1 -----	7.0 -----	7.2 -----		
P9610	6.8 -	6.7 -	6.8 ---		
P1758	7.0 -----	7.1 -----	7.0 ----		
P0937	6.9 ----	6.8 ----	7.0 ----		
-Bezugsgrösse(n)	6.9 ---	6.7 -	7.1 -----		
Versuchs-Mittel	6.9 -----	6.8 ----	7.1 -----		
VK [%]	4.0	3.4	4.5		
KGD (5%)	ns	ns	ns		
KGD (1%)	ns	ns	ns		
Versuchs-Streuung	0.3	0.2	0.3		
FG Fehlerterm	43.0	22.0	21.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1.4	11	1.73 ns		2.02	0.0990
Anbauorte	1.0	1	12.68 ***		4.06	0.0009
WW Verf.*Anb.Orte	0.9	11	1.05 ns		2.02	0.4251
Fehler	3.2	43				
Insgesamt	6.5	66				



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Résultats des essais variétaux de maïs grain 2023

Resultate der Hauptversuche Körnermais 2023

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Legende / Légende

KM01	Körnermais früh / <i>maïs grain précoce</i>	SM01	Silomais früh / <i>maïs ensilage précoce</i>	STD / T / FS	Standardsorte (STD) weitere Sorte aus Sortenliste (T) oder Füllsorte (FS) / <i>variété de référence (STD) autre variété de la liste recommandée (T=témoin) ou pour compléter l'essai (FS)</i>
KM11	Körnermais mittelfrüh / <i>maïs grain mi-précoce</i>	SM11	Silomais mittelfrüh / <i>maïs ensilage mi-précoce</i>		
KM21	Körnermais mittelspät – spät / <i>maïs grain mi- tardif – tardif</i>	SM21	Silomais mittelspät – spät / <i>maïs ensilage mi-tardif – tardif</i>	e1 / e2 / e3	Neue Sorte 1., 2. bzw. 3. Prüfjahr Liste empfohlener Sorten / <i>nouvelle variété 1^{ère}, 2^{ème} ou 3^{ème} année pour liste recommandée</i>
KM31	Körnermais spät / <i>maïs grain tardif</i>	SM31	Silomais spät / <i>maïs ensilage tardif</i>		
KM41	Körnermais mittelfrüh Tessin / <i>maïs grain mi-précoce Tessin</i>	SM41	Silomais mittelfrüh Tessin / <i>maïs ensilage mi- précoce Tessin</i>	1. / 2. / 3.	Neue Sorte 1., 2. bzw. 3. Prüfjahr Nationaler Sortenkatalog / <i>nouvelle variété 1^{ère}, 2^{ème} ou 3^{ème} année pour catalogue national</i>
KM42	Körnermais mittelspät – spät Tessin / <i>maïs grain mi-tardif – tardif Tessin</i>	SM42	Silomais mittelspät – spät Tessin / <i>maïs ensilage mi-tardif – tardif Tessin</i>		

Danksagung

Die vorliegenden Ergebnisse sind nur aufgrund dem Mitwirken verschiedener Personen möglich geworden. Wir bedanken uns deshalb ganz besonders bei den Landwirten der verschiedenen Versuchsstandorte, den Personen bei DSP Delley sowie den zahlreichen Hilfskräften für ihre wertvolle Unterstützung und die angenehme Zusammenarbeit.

1 Merkmale / Critères

Rendement / Ertrag

- Rendement en grain avec 14% H₂O en dt/ha
- Körnerertrag in dt/ha, standardisiert auf 14% Wassergehalt

Précocité / Frühreife

- Humidité du grain à la récolte (en %)
- Kornfeuchte zum Erntezeitpunkt (in %)

Vigueur au départ / Jugendentwicklung

- vigueur au départ de la végétation (note 1 = très bon, note 9 = très mauvais)
- Note 1 = sehr gute, Note 9 = sehr schlechte Jugendentwicklung

Verse en végétation / Wurzellagerung während der Vegetation

- % de plantes versées en cours de végétation
- % gelagerte Pflanzen während der Vegetation

Verse à la récolte / Wurzellagerung zum Zeitpunkt der Ernte

- % de plantes versées à la récolte
- % gelagerte Pflanzen zum Zeitpunkt der Ernte

Plantes cassées à la récolte / Stängelbruch bei Ernte

- pourcentage de plantes cassées (en %)
- Anteil gebrochener Pflanzen (in %)

Aptitude au battage / Druscheignung

- Note d'aptitude au battage
- Note für Druscheignung

Charbon / Beulenbrand

- % de plantes attaquées par le charbon
- % Befall mit Beulenbrand

Fusariose / Stängelfäule

- % de plantes attaquées par la fusariose
- % Befall mit Stängelfäule

Hauteur / Pflanzenhöhe

- hauteur des plantes (cm)
- Pflanzenhöhe (cm)

Hauteur relative de l'épi / Relative Ansatzhöhe des Hauptkolbens

- Hauteur relative d'insertion de l'épi supérieur par rapport à la hauteur de la plante
- Ansatzhöhe des obersten Kolbens in Relation zur Pflanzenhöhe

Floraison / Blühbeginn

- nombre de jours du semis à 50% de la floraison femelle
- Anzahl Tage zwischen Saat und 50% weiblicher Blüte

Pyrale / Maiszünsler

- % de plantes endommagées
- % geschädigte Pflanzen (Maiszünsler)

Densité / Bestandesdichte

- densité effective des plantes au m² à la récolte
- Effektive Bestandesdichte bei der Ernte in Pflanzen pro m²

2 Indexberechnung für Körnermais / Calcul de l'indice pour le maïs grain

- Le calcul de l'indice est obtenu par les valeurs moyennes de chaque critère des deux meilleures variétés standard (= valeur de base). Les indices partiels pondérés de chaque critère sont encore pondérés d'après le nombre d'observations réalisées (nombre de lieux d'essais).

- Als Basis für die Indexberechnung dienen die Merkmalsmittelwerte der zwei besten mitgeprüften Standard-sorten (= Basiswert). Zusätzlich zur nachfolgend beschriebenen Gewichtung der Teilindizes werden diese entsprechend der gemachten Anzahl Beobachtungen (Anzahl Versuchsorte) gewichtet.

Rendement / Ertrag :

- Rendement en grain relatif de la variété testée moins la valeur de base; facteur de pondération 1,0
- Relativer Körnerertrag der zu beurteilenden Sorte abzüglich 100; Gewichtungsfaktor 1,0

Précocité / Reife :

- Teneur en matière sèche du grain (en %) de la variété testée moins la valeur de base; facteur de pondération 2,5
- Trockensubstanzgehalt der Körner (in %) der zu beurteilenden Sorte abzüglich Basiswert; Gewichtungsfaktor 2,5

Vigueur au départ / Jugendentwicklung :

- Valeur de base moins la note de la variété testée; facteur de pondération 0,5
- Basiswert minus Note der zu beurteilenden Sorte; Gewichtungsfaktor 0,5.

Verse en végétation / Lagerung während Vegetation :

- Valeur de base moins le pourcentage de plantes versées (en %) de la variété testée; facteur de pondération 0,25
- Basiswert minus Anteil gelagerter Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,25.

Verse à la récolte / Lagerung bei Ernte :

- Valeur de base moins le pourcentage de plantes versées (en %) de la variété testée; facteur de pondération 0,75
- Basiswert minus Anteil gelagerter Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,75.

Plantes cassées à la récolte / Stängelbruch bei Ernte :

- Valeur de base moins le pourcentage de plantes cassées (en %) de la variété testée; facteur de pondération 0,75
- Basiswert minus Anteil gebrochenen Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,75.

Charbon / Beulenbrand :

- Valeur de base moins le pourcentage de plantes attaquées (en %) de la variété testée; facteur de pondération 0,25
- Basiswert minus Anteil befallenen Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,25.

Fusariose / Stängelfäule :

- Valeur de base moins le pourcentage de plantes attaquées de la variété testée; facteur de pondération 0,25
- Basiswert minus Anteil befallenen Pflanzen (in %) der zu beurteilenden Sorte; Gewichtungsfaktor 0,25.

Indice global / Gesamtindex :

- Somme de tous les indices partiels
- Summe aller Teilindizes

3 Meteorologische Daten / *Données météorologiques*

Frühling / *Printemps*

Nach einem milden März blieb die Apriltemperatur verbreitet unterdurchschnittlich. Die Maitemperatur lag im landesweiten Mittel etwas über dem Durchschnitt. Alle drei Frühlingsmonate brachten der Schweiz verbreitet eine unterdurchschnittliche Sonnenscheindauer. Dazu waren der März und April in vielen Gebieten niederschlagsreich, mit Ausnahme der Alpensüdseite. Im Mai fiel vor allem am zentralen und östlichen Alpennordhang und in Teilen Graubündens reichlich Niederschlag.

Temperatur / *températures*

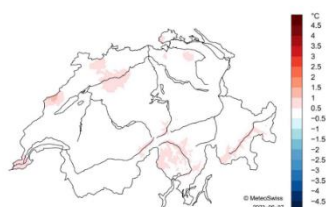


Abb 1: Räumliche Verteilung der Frühlingstemperatur 2023 (März bis Mai) als Abweichung (°C) zur Norm 1991-2020.

Niederschlag / *précipitations*

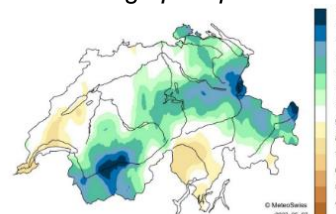


Abb 2: Räumliche Verteilung der Niederschlagssumme im Frühling 2023 (März bis Mai) dargestellt in % der Norm 1991-2020.

Sommer / *été*

Die Schweiz erlebte den fünftwärmsten Sommer seit Messbeginn 1864. Er brachte zwei ausgeprägte Hitzewellen auf der Alpennordseite und drei auf der Alpensüdseite. Die Niederschlagsmengen blieben in der Westschweiz unterdurchschnittlich. Im Wallis, im Süden und in der Ostschweiz lagen die Mengen meist im Bereich des Durchschnitts oder leicht darüber, vor allem als Folge von Unwettern gegen Ende August. Die Sonnenscheindauer lag verbreitet über dem Durchschnitt, insbesondere dank sehr sonniger Verhältnisse im Juni.

Sonnenscheindauer / *durée d'ensoleillement*



Abb 3: Räumliche Verteilung der Sonnenscheindauer im Sommer 2023 (Juni bis August), dargestellt in in % der Norm 1991-2020.

Niederschlag / *précipitations*

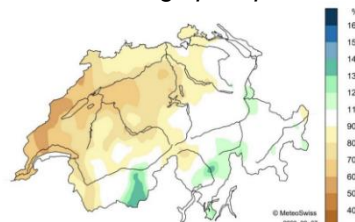


Abb 4: Räumliche Verteilung der Niederschlagssumme im Sommer 2023 (Juni bis August) dargestellt in % der Norm 1991-2020.

Herbst / *automne*

Die Schweiz verzeichnete regional den wärmsten Herbst seit Messbeginn. Er brachte im landesweiten Mittel den wärmsten September und den zweitwärmsten Oktober. Die Wärme war von viel Sonnenschein begleitet, was lokal zum sonnigsten Herbst seit Messbeginn führte. Auf der Alpennordseite und im Wallis folgte darauf vielerorts der nasseste und lokal einer der sonnenärmsten November seit Messbeginn.

Sonnenscheindauer / *durée d'ensoleillement*

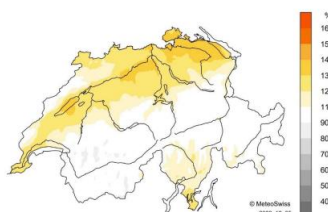


Abb 5: Räumliche Verteilung der Sonnenscheindauer im Herbst 2023 (September bis November), dargestellt in in % der Norm 1991-2020.

Niederschlag / *précipitations*

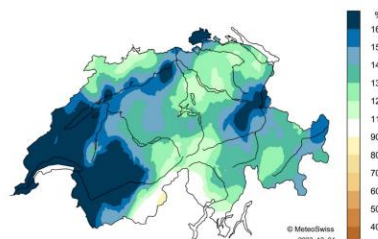


Abb 6: Räumliche Verteilung der Niederschlagssumme im Herbst 2023 (September bis November) dargestellt in % der Norm 1991-2020.

Quelle: MeteoSchweiz 2023: Klimabulletin Frühling/Sommer/Herbst 2023. Zürich.

4 Nördlich der Alpen / Nord des Alpes

4.1 Serie früh / Série précoce

4.1.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	27.04.2023	09.10.2023 †
1725	Grangeneuve	654	22.05.2023	19.10.2023
3065	Habstetten	680	20.05.2023	24.11.2023
8046	Reckenholz	440	06.05.2023	11.10.2023
8194	Hüntwangen	384	22.05.2023	08.11.2023
8566	Ellighausen	503	26.05.2023	30.10.2023

† Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement pas prises en compte pour les mises en valeur.

4.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
KWS Stabil	KXB2101	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	
LG 31211	LZM163/74	SC	Limagrain, Europe	Fenaco, Moudon	KM01/S	
ES Crossman	ESZ2105	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz	KM01/S	
P7515	X80H141	SC	Pioneer	Pioneer, Versoix	KM01/S	
P8754	X85P703	SC	Pioneer	Pioneer, Versoix	KM01/S	
KWS Curacao	KXB9014	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	
KWS Adorado	KXC0018	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	SM11/e2
	KXC1304	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	
P7818	X80R591	SC	Pioneer	Pioneer, Versoix	KM01/e2	
SY Cosmos	SA0060	SC	Syngenta, CH	Syngenta, Stein	KM01/e2	SM01/e2
Farmactos	SM K0169	SC	von Moreau Saatzeit, D	Samen Steffen, Wikon	KM01/e1	
	1077B009-01	SC	Pioneer	Pioneer, Versoix	KM01/e1	
	KXC2049	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC2253	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	
	SA0042	SC	Syngenta, CH	Syngenta, Stein	KM01/e1	SM01/e1
Climber	SM L0331	SC	Saaten Union GmbH, D	Hauenstein, Rafz	KM01/e1	
KWS Glasgo	KXC0111	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/T	SM01/T
KWS Chiasso	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	FS	

4.1.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Technische Versuchsausgaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Grangeneuve (654 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Altflötern / Oberglatt (384 m ü.M.)	Hüntwangen (384 m ü.M.)	Ellighausen (503 m ü.M.)			
Bodenart / type de sol / soil type:	Limono sableux	Moyen	Sandiger Lehm, pH 6,4	Fähigley	Parabraunerde	Braunerde			
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):	325 mm (Meteostation Changins) 2212 °C (Meteostation Changins) Irrigation : 20.06.2023 30mm 10.07.2023 30mm	373 mm (météo Suisse Postaux) 1831 °C (météo Suisse Postaux)	666 mm (Meteostation Züstwil) 1844 °C (Meteostation Züstwil)	434.4 mm (Meteostation Reckenholz) 2013.4 °C (Meteostation Reckenholz)	440.3 mm (Meteostation Steinmaur) 2023.5 °C (Meteostation Steinmaur)	386.6 mm (Meteostation Ellighausen) 1872.1 °C (Meteostation Ellighausen)			
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengrösse / grandeur d'une parcellle / plot size:	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto			
Vorfrucht / précédent cultural / previous crop:	blé automne + engrais vert	Prairie temporaire / Kunstwiese / temporary grassland	orge	Soja	Zuckerrüben / sugar beet	Wintergerste / Gründüngung UFA Lepha			
Bodenbearbeitung / travail du sol / soil cultivation:	cultivateur pattes d'ole 02.03.2023 vibroculteur 23.03.2023 Herse rotative 26.04.2023	Labouré le 05.05.2023. Préparation pour semis, herse rotative 06.05.2023	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow 26.04.2023 et 05.05.2023	11.02.23 Pflug, 06.05.23 Kreiselegge	20.05.23 Federzinkenegge, 21.05.23 Federzinkenegge	05.04.23 Pflug, 11.05.23 Kreiselegge			
Saat / date de semis / sowing date:	27.04.2023 (jour 117)	22.05.23 (jour 142)	20.05.2023 (jour 140)	06.05.2023	22.05.2023	26.05.2023			
Ernte / date de récolte / harvest date:	09.10.2023 (jour 282)	19.10.23 (jour 292)	24.11.2023 (jour 328)	11.10.2023	08.11.2023	30.10.2023			
Saatdichte / densité de semis / sowing density:	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2			
Vegetationsdauer / durée de végétation / growing period	165 Tage / jours / days	150 Tage / jours / days	188 Tage / jours / days	158 Tage / jours / days	170 Tage / jours / days	157 Tage / jours / days			
Reihenabstand / interlignes / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm			
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	16.06.23 hacken gekoppelt mit Düngung	-	-			
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	30.05.2023 :Stomp Aqua 2 l/ha Banvel 0.5 l/ha Monsoon 2 l/ha	09.06.2023, Equip Power: 1.55 l/ha	06.06.2023 Callisto 1.1 l/ha Equip Power 1.2 l/ha	22.05.23 Equip 0.5l/ha + Spectrum 0.7l/ha + Mesostar 0.5l/ha + Stomp Aqua 1.4l/ha	24.06.23 Equip Power 1.5l/ha	08.06.23 Aspekt 1.5l/ha + Laudis 2l/ha			
Grunddüngung / fumure de base / basic fertilisation:	08.08.2022 40 m3 Liser bovins 5-10-20 : 20 kg N 40 kg P2O5 80 kg K2O	-	22.04.23 : Granulphos 17 % : 300 kg /ha = 51 kg P/ha, Kali 60 % : 150 kg/ha = 90 kg K/ha	11.02.23 Stepmist 48m3/ha (43.2kg N/ha)	04.05.23 Presswasser 25m3/ha (79-34kg N-P/ha)	02.04.23 Rindergülle 1.2 30m3/ha (64.5kg N/ha)			
N-Düngung / fumure N / N fertilisation:	26.04.2023 :280 l/ha N liquide 30.0.0.0 : 109 N 10-20 : 20 kg N 40 kg P2O5 80 kg K2O	Printemps: 40m3/ha liser bovins 5-10-20 : 20 kg N, 40 kg P2O5, 80 kg K2O	23.05.23 : 50 kg N/ha (Harnstoff 46%) 19.06.23 : 53 kg N/ha (Harnstoff 46%) =66.3 N	23.05.23 Mg-Ammonsalpeter 24%N + S 200kg/ha (48kg N/ha), 16.06.23 Harnstoff 46% (92kg N/ha)	20.05.23 Harnstoff 46%, 200kg/ha (92kg N/ha)	10.06.23 Harnstoff 120kg/ha (54kg N/ha), 10.06.23 Harnstoff 100kg (46kg N/ha)			
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	20.06.23: Urée 46%, 245kg/ha : 112 kg N	-	-	-	-			
Ernte / Récolte / harvest:	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting						Wintersteiger Delta Mährescher / moissonneuse-batteuse / direct combine harvesting		

4.1.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager Vegetation	Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
P8754	S	4.02	-0.88	0.01	0.13			-0.01	0.06	3.33
P7818	e2	-0.30	0.51	-0.02	0.13			0.05	-0.22	0.15
1077B009-01	e1	-2.72	0.32	0.33	0.13			0.13	-0.06	-1.87
P7515	S	-4.02	0.88	-0.01	-0.13			0.01	-0.06	-3.33
ES Crossman	S	-1.26	-4.51	0.19	0.13			0.03	-0.06	-5.48
KWS Chiasso	FS	-5.59	-1.27	0.32	-0.13			0.15	-0.32	-6.84
KWS Glasgo	T	-4.50	-1.79	0.26	-0.13			0.09	-1.41	-7.48
KXC2253	e1	-8.91	2.61	-0.04	0.13			0.15	-1.56	-7.62
KWS Adorado	e2	-4.17	-2.51	0.36	-0.39			0.15	-1.28	-7.84
KWS Stabil	S	-7.31	-0.30	0.11	-0.39			0.08	-0.05	-7.86
LG 31211	S	-2.52	-6.00	0.58	0.13			-0.06	-0.11	-7.98
KXC2049	e1	-5.67	-2.96	0.44	0.13			0.13	-0.72	-8.65
SA0042	e1	-10.85	1.59	0.39	0.13			0.15	-0.32	-8.91
KWS Curacao	S	-8.30	-2.21	0.24	-0.39			0.11	-0.53	-11.08
KXC1304	e2	-10.33	0.03	0.36	-0.13			0.13	-1.36	-11.30
Farmactos	e1	-10.85	-1.73	0.53	0.13			0.11	-0.44	-12.25
SY Cosmos	e2	-8.22	-4.06	0.19	0.13			0.01	-0.99	-12.94
Climber	e1	-8.89	-5.72	0.15	-0.13			0.15	-0.38	-14.82
Bezugsgrößen		0.00	0.00	0.00	0.00			0.00	0.00	0.00
Anzahl Beob.		15	18	18	3			18	6	
Anzahl Orte		5	6	6	1			6	2	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

4.1.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Veg. %	Stängel- bruch Veg. %	Stängel fäule %
KWS Stabil	4.0	64.4	62.6	256.2	117.7	46.0	12.5	10.2	1.3
LG 31211	3.1	60.7	59.7	239.8	96.3	40.1	0.0	0.0	2.0
ES Crossman	3.8	62.9	61.5	252.0	105.5	41.8	0.0	3.0	1.4
P7515	4.3	64.2	62.5	240.3	111.3	46.4	6.3	9.1	1.4
P8754	4.2	65.2	63.8	239.1	117.9	49.3	0.0	0.0	0.0
KWS Curacao	3.8	63.3	61.5	245.3	106.6	43.3	12.5	0.0	7.0
KWS Adorado	3.5	62.6	61.3	248.7	103.2	41.2	12.5	2.2	16.1
KXC1304	3.5	61.7	60.3	221.9	92.4	41.4	6.3	2.2	17.0
P7818	4.3	64.4	63.2	235.2	109.4	46.2	0.0	6.7	3.4
SY Cosmos	3.8	61.7	60.3	221.7	83.2	37.2	0.0	8.7	12.5
Farmactos	3.2	62.6	61.1	230.3	89.9	39.1	0.0	0.0	6.0
1077B009-01	3.6	62.3	61.3	225.2	104.4	46.2	0.0	1.7	1.4
KXC2049	3.3	62.2	60.7	237.3	91.5	38.4	0.0	0.0	9.3
KXC2253	4.3	62.0	60.7	211.0	91.7	43.5	0.0	0.0	19.4
SA0042	3.4	61.4	59.9	234.5	90.0	38.6	0.0	0.0	4.5
Climber	3.9	63.6	61.7	231.7	98.9	42.5	6.3	0.0	5.3
KWS Glasgo	3.7	63.4	61.4	247.7	108.8	43.9	6.3	1.7	17.6
KWS Chiasso	3.6	61.1	60.0	231.6	101.8	43.8	6.3	3.4	4.5
-Bezugsgrösse(n)	4.2	64.7	63.2	239.7	114.6	47.9	3.1	4.6	0.7
Versuchs-Mittel	3.7	62.8	61.3	236.1	101.1	42.7	3.8	2.7	7.2
VK [%]	18.5	1.9	1.7	5.4	8.1	8.5	163.6	185.3	108.7
KGD (5%)	0.5	0.9	0.8	9.3	5.9	2.6			9.1
KGD (1%)	0.6	1.2	1.0	12.2	7.8	3.5			12.0
Versuchs-Streuung	0.7	1.2	1.0	12.9	8.2	3.6	6.3	5.0	7.8
FG Fehlerterm	183.0	149.0	149.0	153.0	151.0	151.0	17.0	32.0	64.0
Anz. Beob.	18.0	15.0	15.0	15.0	15.0	15.0	3.0	3.0	6.0
Anz. Orte	6.0	5.0	5.0	5.0	5.0	5.0	1.0	1.0	2.0
Minimum	3.1	60.7	59.7	211.0	83.2	37.2	0.0	0.0	0.0
Maximum	4.3	65.2	63.8	256.2	117.9	49.3	12.5	10.2	19.4

Sorten Bezeichnung	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Mais- zünsler %	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
KWS Stabil	3.3	0.3	2.2	8.1	146.5	91.4	81.8
LG 31211	3.2	0.8	1.7	8.0	155.8	96.3	79.5
ES Crossman	2.0	0.5	0.8	7.8	158.2	98.4	80.1
P7515	4.0	0.6	1.3	8.3	152.9	95.2	82.3
P8754	2.3	0.7	0.2	8.1	168.4	104.8	81.5
KWS Curacao	3.6	0.2	1.8	8.6	144.6	90.0	81.0
KWS Adorado	3.4	0.0	1.2	8.7	152.6	95.1	80.9
KXC1304	0.0	0.1	2.5	8.7	140.7	87.4	81.9
P7818	3.2	0.4	0.2	8.2	160.0	99.7	82.1
SY Cosmos	3.3	0.6	1.3	8.4	144.8	89.9	80.3
Farmactos	3.5	0.2	1.1	8.4	139.7	86.7	81.2
1077B009-01	3.0	0.1	1.6	8.5	155.4	96.6	82.0
KXC2049	3.9	0.1	0.7	8.8	149.7	93.0	80.7
KXC2253	4.6	0.0	2.0	8.7	143.4	89.2	82.9
SA0042	5.0	0.0	0.8	8.3	139.7	86.7	82.5
Climber	2.3	0.0	1.1	8.5	143.5	89.2	79.6
KWS Glasgo	4.0	0.2	2.0	8.7	151.9	94.7	81.2
KWS Chiasso	3.9	0.0	2.5	8.6	149.8	93.2	81.4
-Bezugsgrösse(n)	3.1	0.6	0.8	8.2	160.6	100.0	81.9
Versuchs-Mittel	3.2	0.3	1.4	8.4	149.9	93.2	81.3
VK [%]	17.1	264.5	146.7	5.7	6.1	6.0	0.8
KGD (5%)	0.6	0.5		0.3	6.6	4.0	0.4
KGD (1%)	0.9	0.6		0.4	8.7	5.3	0.5
Versuchs-Streuung	0.6	0.7	2.0	0.5	9.1	5.6	0.6
FG Fehlerterm	51.0	185.0	98.0	187.0	151.0	151.0	181.0
Anz. Beob.	6.0	18.0	9.0	18.0	15.0	15.0	18.0
Anz. Orte	2.0	6.0	3.0	6.0	5.0	5.0	6.0
Minimum	0.0	0.0	0.2	7.8	139.7	86.7	79.5
Maximum	5.0	0.8	2.5	8.8	168.4	104.8	82.9

4.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	4.0 -----	5.0 -----	4.0 -	4.7 ----	3.0 -----
LG 31211	3.1 -	3.3 -	4.0 -	4.3 -	2.0 -
ES Crossman	3.8 -----	4.7 -----	4.0 -	4.7 ----	3.3 -----
P7515	4.3 -----	4.7 -----	5.5 -----	5.3 -----	3.3 -----
P8754	4.2 -----	4.3 -----	5.5 -----	5.0 -----	4.0 -----
KWS Curacao	3.8 -----	4.3 -----	4.5 ----	4.7 ----	3.3 -----
KWS Adorado	3.5 ----	4.7 -----	4.0 -	4.7 ----	2.3 --
KXC1304	3.5 ----	5.0 -----	4.0 -	5.0 -----	3.0 -----
P7818	4.3 -----	5.3 -----	5.5 -----	5.3 -----	2.7 ----
SY Cosmos	3.8 -----	5.0 -----	5.0 -----	4.3 -	3.0 -----
Farmactos	3.2 -	3.7 --	4.0 -	4.3 -	2.3 --
1077B009-01	3.6 ----	4.0 ----	5.0 -----	5.0 -----	2.3 --
KXC2049	3.3 ---	3.7 --	4.0 -	4.7 ----	3.0 -----
KXC2253	4.3 -----	5.3 -----	5.5 -----	5.0 -----	3.0 -----
SA0042	3.4 ----	4.0 ----	4.0 -	4.7 ----	3.3 -----
Climber	3.9 -----	5.0 -----	4.5 ----	5.0 -----	3.3 -----
KWS Glasgo	3.7 -----	5.0 -----	4.5 ----	4.7 ----	2.0 -
KWS Chiasso	3.6 ----	4.3 -----	4.5 ----	5.0 -----	2.7 ----
-Bezugsgrösse(n)	4.2 -----	4.5 -----	5.5 -----	5.2 -----	3.7 -----
Versuchs-Mittel	3.7 -----	4.5 -----	4.6 ----	4.8 -----	2.9 -----
VK [%]	18.5	16.4	10.5	13.4	32.8
KGD (5%)	0.5	1.2	1.0	ns	ns
KGD (1%)	0.6	ns	1.4	ns	ns
Versuchs-Streuung	0.7	0.7	0.5	0.6	0.9
FG Fehlerterm	183.0	34.0	17.0	34.0	34.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	43.0	17	5.33 ***	1.68	0.0000
Anbauorte	260.6	5	109.95 ***	2.27	0.0000
WW Verf.*Anb.Orte	49.4	85	1.23 ns	1.35	
Fehler	86.7	183			
Insgesamt	439.7	290			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8194		8566	
	Hüntwangen ZH		Ellighausen TG	
KWS Stabil	4.0	-----	3.3	-----
LG 31211	2.0	--	2.7	-----
ES Crossman	3.7	-----	2.7	-----
P7515	3.7	-----	3.0	-----
P8754	3.3	-----	3.0	-----
KWS Curacao	2.3	---	3.3	-----
KWS Adorado	2.7	-----	2.7	-----
KXC1304	1.7	-	2.3	-----
P7818	3.0	-----	3.7	-----
SY Cosmos	2.7	-----	3.0	-----
Farmactos	2.0	--	2.7	-----
1077B009-01	2.0	--	3.0	-----
KXC2049	2.0	--	2.7	-----
KXC2253	3.3	-----	3.7	-----
SA0042	3.0	-----	1.7	-
Climber	3.0	-----	2.7	-----
KWS Glasgo	3.0	-----	3.0	-----
KWS Chiasso	2.7	-----	2.3	-----
-Bezugsgrösse(n)	3.5	-----	3.0	-----
Versuchs-Mittel	2.8	-----	2.9	-----
VK [%]	20.3		19.1	
KGD (5%)	0.9		0.9	
KGD (1%)	1.3		ns	
Versuchs-Streuung	0.6		0.5	
FG Fehlerterm	32.0		32.0	
Anz. Beob.	3.0		3.0	

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	64.4 -----	74.0 -----	59.5 -----	62.0 -----	70.7 -----
LG 31211	60.7 -	69.0 --	57.0 --	59.3 -	65.3 -
ES Crossman	62.9 ----	72.0 -----	57.0 --	60.3 ---	70.0 -----
P7515	64.2 -----	72.7 -----	60.5 -----	62.7 -----	69.3 -----
P8754	65.2 -----	74.0 -----	61.5 -----	63.0 -----	71.3 -----
KWS Curacao	63.3 ----	73.3 -----	58.0 ----	60.0 --	70.0 -----
KWS Adorado	62.6 ----	70.7 ----	58.0 ----	61.0 ----	68.7 ----
KXC1304	61.7 ---	69.3 --	57.0 --	59.7 --	68.0 ----
P7818	64.4 -----	73.7 -----	60.5 -----	62.3 -----	69.3 -----
SY Cosmos	61.7 ---	70.7 ----	57.0 --	59.3 -	67.7 ----
Farmactos	62.6 ----	71.7 ----	58.0 ----	60.3 ---	68.7 ----
1077B009-01	62.3 ----	71.3 ----	58.0 ----	60.3 ---	67.3 ----
KXC2049	62.2 ----	71.3 ----	57.5 ---	60.7 ----	67.7 ----
KXC2253	62.0 ---	71.0 ----	56.5 -	59.3 -	69.0 -----
SA0042	61.4 --	69.0 --	57.5 ---	59.3 -	67.7 ----
Climber	63.6 -----	71.7 ----	59.5 -----	60.7 ----	71.0 -----
KWS Glasgo	63.4 -----	72.3 -----	58.5 -----	61.7 -----	68.0 ----
KWS Chiasso	61.1 -	68.3 -	57.0 --	59.3 -	67.7 ----
-Bezugsgrösse(n)	64.7 -----	73.3 -----	61.0 -----	62.8 -----	70.3 -----
Versuchs-Mittel	62.8 ----	71.4 ----	58.3 ----	60.6 ----	68.7 ----
VK [%]	1.9	1.9	1.8	1.4	2.4
KGD (5%)	0.9	2.3	2.2	1.4	2.7
KGD (1%)	1.2	3.0	3.1	1.9	3.6
Versuchs-Streuung	1.2	1.4	1.1	0.9	1.6
FG Fehlerterm	149.0	34.0	17.0	34.0	34.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	408.5	17	16.29 ***	1.69	0.0000
Anbauorte	10868.6	4	1841.40 ***	2.43	0.0000
WW Verf.*Anb.Orte	109.1	68	1.09 ns	1.39	0.3329
Fehler	219.9	149			
Insgesamt	11606.1	238			

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
KWS Stabil	55.7	-----
LG 31211	53.0	-
ES Crossman	55.0	-----
P7515	55.7	-----
P8754	56.3	-----
KWS Curacao	55.0	-----
KWS Adorado	54.7	-----
KXC1304	54.3	-----
P7818	56.3	-----
SY Cosmos	53.7	---
Farmactos	54.3	-----
1077B009-01	54.3	-----
KXC2049	53.7	---
KXC2253	54.0	-----
SA0042	53.3	--
Climber	55.3	-----
KWS Glasgo	56.3	-----
KWS Chiasso	53.3	--
-Bezugsgrösse(n)	56.0	-----
Versuchs-Mittel	54.7	-----
VK [%]	1.6	
KGD (5%)	1.4	
KGD (1%)	1.9	
Versuchs-Streuung	0.9	
FG Fehlerterm	30.0	
Anz. Beob.	3.0	

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	62.6 -----	72.0 -----	57.0 -----	59.3 -----	70.0 -----
LG 31211	59.7 -	67.7 --	55.0 -	57.3 -	65.7 -
ES Crossman	61.5 ----	70.3 -----	55.0 -	58.3 ---	69.3 -----
P7515	62.5 -----	70.0 -----	59.0 -----	60.3 -----	69.0 -----
P8754	63.8 -----	72.3 -----	59.5 -----	61.0 -----	71.0 -----
KWS Curacao	61.5 ----	70.7 -----	56.0 ---	58.0 --	68.7 -----
KWS Adorado	61.3 ----	68.7 ----	56.0 ---	59.0 ----	68.3 -----
KXC1304	60.3 --	67.0 -	55.0 -	57.7 --	67.7 ----
P7818	63.2 -----	72.0 -----	58.5 -----	60.0 -----	68.7 -----
SY Cosmos	60.3 --	68.3 ---	55.0 -	57.3 -	67.3 ----
Farmactos	61.1 ----	69.3 -----	56.0 ---	58.3 ---	68.0 -----
1077B009-01	61.3 ----	70.3 -----	56.0 ---	58.3 ---	68.0 -----
KXC2049	60.7 ---	69.0 ----	55.5 --	58.7 ----	67.3 ----
KXC2253	60.7 ---	68.7 ----	55.0 -	57.3 -	68.7 -----
SA0042	59.9 -	67.0 -	55.5 --	57.3 -	67.0 ---
Climber	61.7 -----	69.7 -----	57.0 -----	58.7 ----	69.0 -----
KWS Glasgo	61.4 -----	69.3 -----	56.5 ----	59.3 -----	67.0 ---
KWS Chiasso	60.0 -	67.0 -	55.0 -	57.3 -	67.7 ----
-Bezugsgrösse(n)	63.2 -----	71.2 -----	59.3 -----	60.7 -----	70.0 -----
Versuchs-Mittel	61.3 ----	69.4 ----	56.3 ---	58.5 ----	68.2 ----
VK [%]	1.7	1.6	1.6	1.4	1.8
KGD (5%)	0.8	1.9	1.9	1.3	2.1
KGD (1%)	1.0	2.5	2.6	1.8	2.8
Versuchs-Streuung	1.0	1.1	0.9	0.8	1.2
FG Fehlerterm	149.0	34.0	17.0	34.0	32.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	334.7	17	17.94 ***	1.69	0.0000
Anbauorte	10774.2	4	2453.98 ***	2.43	0.0000
WW Verf.*Anb.Orte	104.5	68	1.40 *	1.39	0.0465
Fehler	163.5	149			
Insgesamt	11377.0	238			

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
KWS Stabil	54.7	-----
LG 31211	53.0	-
ES Crossman	54.3	-----
P7515	54.3	-----
P8754	55.3	-----
KWS Curacao	54.3	-----
KWS Adorado	54.3	-----
KXC1304	54.0	----
P7818	56.7	-----
SY Cosmos	53.3	--
Farmactos	53.7	---
1077B009-01	53.7	---
KXC2049	53.0	-
KXC2253	54.0	----
SA0042	52.7	-
Climber	54.0	----
KWS Glasgo	54.7	-----
KWS Chiasso	53.0	-
-Bezugsgrösse(n)	54.8	-----
Versuchs-Mittel	54.1	----
VK [%]	1.9	
KGD (5%)	1.7	
KGD (1%)	2.3	
Versuchs-Streuung	1.0	
FG Fehlerterm	32.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	256.2 -----	213.3 -----	302.5 -----	263.3 -----	230.3 -----
LG 31211	239.8 -----	191.7 -----	292.5 -----	248.3 -----	223.3 -----
ES Crossman	252.0 -----	215.0 -----	300.0 -----	260.0 -----	226.7 -----
P7515	240.3 -----	206.7 -----	282.5 -----	238.3 -----	223.3 -----
P8754	239.1 -----	205.0 -----	285.0 -----	241.7 -----	209.3 -----
KWS Curacao	245.3 -----	203.3 -----	305.0 -----	250.0 -----	209.7 -----
KWS Adorado	248.7 -----	191.7 -----	300.0 -----	251.7 -----	233.0 -----
KXC1304	221.9 ---	170.0 ---	270.0 ----	231.7 ---	201.7 ---
P7818	235.2 -----	176.7 ----	295.0 -----	236.7 ---	212.0 -----
SY Cosmos	221.7 ---	183.3 ----	277.5 -----	230.0 ---	184.3 -
Farmactos	230.3 -----	201.7 -----	287.5 -----	233.3 ---	189.7 --
1077B009-01	225.2 ----	176.7 ----	277.5 -----	230.0 ---	202.0 ----
KXC2049	237.3 -----	200.0 -----	285.0 -----	238.3 -----	207.7 -----
KXC2253	211.0 -	153.3 -	240.0 -	221.7 -	206.0 -----
SA0042	234.5 -----	188.3 -----	292.5 -----	246.7 -----	198.3 ---
Climber	231.7 -----	188.3 -----	280.0 -----	238.3 -----	197.0 ---
KWS Glasgo	247.7 -----	203.3 -----	310.0 -----	241.7 -----	218.7 -----
KWS Chiasso	231.6 -----	200.0 -----	285.0 -----	235.0 ----	193.7 ---
-Bezugsgrösse(n)	239.7 -----	205.8 -----	283.8 -----	240.0 -----	216.3 -----
Versuchs-Mittel	236.1 -----	192.7 -----	287.1 -----	240.9 -----	209.3 -----
VK [%]	5.4	5.2	6.9	2.7	7.8
KGD (5%)	9.3	16.6	ns	10.9	27.1
KGD (1%)	12.2	22.3	ns	14.6	ns
Versuchs-Streuung	12.9	10.0	19.9	6.6	16.3
FG Fehlerterm	153.0	34.0	17.0	34.0	34.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	34655.8	17	12.33 ***	1.69	0.0000
Anbauorte	293415.6	4	443.65 ***	2.43	0.0000
WW Verf.*Anb.Orte	14506.1	68	1.29 ns	1.39	0.1005
Fehler	25297.5	153			
Insgesamt	367875.0	242			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
KWS Stabil	271.3	-----
LG 31211	243.0	---
ES Crossman	258.3	-----
P7515	250.7	----
P8754	254.7	-----
KWS Curacao	258.3	-----
KWS Adorado	267.0	-----
KXC1304	236.0	-
P7818	255.7	-----
SY Cosmos	233.3	-
Farmactos	239.3	--
1077B009-01	239.7	--
KXC2049	255.7	-----
KXC2253	234.0	-
SA0042	246.7	----
Climber	255.0	-----
KWS Glasgo	265.0	-----
KWS Chiasso	244.3	---
-Bezugsgrösse(n)	252.7	-----
Versuchs-Mittel	250.4	----
VK [%]	4.7	
KGD (5%)	19.4	
KGD (1%)	26.1	
Versuchs-Streuung	11.7	
FG Fehlerterm	34.0	
Anz. Beob.	3.0	

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	117.7 -----	93.3 -----	142.5 -----	116.7 -----	108.0 -----
LG 31211	96.3 ----	70.0 ---	110.0 --	106.7 -----	90.0 -----
ES Crossman	105.5 -----	86.7 -----	125.0 -----	110.0 -----	89.7 -----
P7515	111.3 -----	91.7 -----	125.0 -----	118.3 -----	105.3 -----
P8754	117.9 -----	95.0 -----	140.0 -----	125.0 -----	109.7 -----
KWS Curacao	106.6 -----	86.7 -----	137.5 -----	108.3 -----	92.7 -----
KWS Adorado	103.2 -----	75.0 -----	137.5 -----	103.3 -----	91.3 -----
KXC1304	92.4 ---	65.0 --	117.5 ----	96.7 ---	81.3 ----
P7818	109.4 -----	76.7 ----	142.5 -----	111.7 -----	92.0 -----
SY Cosmos	83.2 -	63.3 -	105.0 -	93.3 --	58.7 -
Farmactos	89.9 ---	68.3 ---	110.0 --	93.3 --	79.7 ----
1077B009-01	104.4 -----	75.0 -----	130.0 -----	105.0 -----	97.0 -----
KXC2049	91.5 ---	75.0 -----	115.0 ---	88.3 -	76.7 ----
KXC2253	91.7 ---	61.7 -	120.0 -----	90.0 -	84.0 -----
SA0042	90.0 ---	76.7 -----	105.0 -	91.7 --	76.3 ----
Climber	98.9 -----	70.0 ---	122.5 -----	101.7 ----	87.3 -----
KWS Glasgo	108.8 -----	88.3 -----	137.5 -----	110.0 -----	93.7 -----
KWS Chiasso	101.8 -----	85.0 -----	127.5 -----	105.0 -----	79.0 ----
-Bezugsgrösse(n)	114.6 -----	93.3 -----	132.5 -----	121.7 -----	107.5 -----
Versuchs-Mittel	101.1 -----	78.0 ----	125.0 -----	104.2 -----	88.5 -----
VK [%]	8.1	9.4	5.8	6.9	10.7
KGD (5%)	5.9	12.2	15.3	11.9	15.7
KGD (1%)	7.8	16.3	21.1	15.9	21.1
Versuchs-Streuung	8.2	7.3	7.3	7.2	9.5
FG Fehlerterm	151.0	34.0	17.0	34.0	34.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	25577.1	17	22.24 ***	1.69	0.0000
Anbauorte	73232.6	4	270.68 ***	2.43	0.0000
WW Verf.*Anb.Orte	6238.5	68	1.36 ns	1.39	0.0637
Fehler	10213.2	151			
Insgesamt	115261.4	240			

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	8566	
	Ellighausen TG	
KWS Stabil	128.0	-----
LG 31211	104.7	---
ES Crossman	116.0	-----
P7515	116.0	-----
P8754	119.7	-----
KWS Curacao	107.7	----
KWS Adorado	109.0	----
KXC1304	101.7	--
P7818	124.0	-----
SY Cosmos	95.7	-
Farmactos	98.3	-
1077B009-01	115.0	-----
KXC2049	102.7	---
KXC2253	102.7	---
SA0042	100.3	--
Climber	113.0	-----
KWS Glasgo	114.7	-----
KWS Chiasso	112.3	-----
-Bezugsgrösse(n)	117.8	-----
Versuchs-Mittel	110.1	----
VK [%]	8.3	
KGD (5%)	15.2	
KGD (1%)	20.5	
Versuchs-Streuung	9.2	
FG Fehlerterm	32.0	
Anz. Beob.	3.0	

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	46.0 -----	44.0 -----	47.1 -----	44.3 -----	47.2 -----
LG 31211	40.1 ---	36.7 ---	37.6 --	43.0 ----	40.3 ----
ES Crossman	41.8 ----	40.3 -----	41.7 ----	42.3 ----	39.8 ----
P7515	46.4 -----	44.3 -----	44.4 -----	49.7 -----	47.2 -----
P8754	49.3 -----	46.3 -----	49.2 -----	51.7 -----	52.4 -----
KWS Curacao	43.3 -----	42.7 -----	45.1 -----	43.3 -----	44.2 -----
KWS Adorado	41.2 ----	39.0 ----	45.8 -----	41.1 ---	39.1 ----
KXC1304	41.4 ----	38.3 ----	43.7 ----	41.7 ----	40.3 ----
P7818	46.2 -----	43.4 -----	48.3 -----	47.2 -----	43.3 ----
SY Cosmos	37.2 -	34.5 -	37.9 --	40.6 ---	31.9 -
Farmactos	39.1 --	34.0 -	38.3 --	40.0 ---	42.0 -----
1077B009-01	46.2 -----	42.6 -----	46.8 -----	45.7 -----	48.1 -----
KXC2049	38.4 --	37.6 ----	40.3 ---	37.1 -	36.8 ---
KXC2253	43.5 -----	40.3 -----	52.3 -----	40.6 ---	40.3 ----
SA0042	38.6 --	40.7 -----	36.0 -	37.2 -	38.5 ----
Climber	42.5 ----	37.1 ---	43.8 ----	42.7 ----	44.4 -----
KWS Glasgo	43.9 -----	43.4 -----	44.4 -----	45.5 -----	42.9 -----
KWS Chiasso	43.8 -----	42.6 -----	44.8 -----	44.7 -----	40.9 ----
-Bezugsgrösse(n)	47.9 -----	45.3 -----	46.8 -----	50.7 -----	49.8 -----
Versuchs-Mittel	42.7 ----	40.4 ----	43.7 ----	43.2 ----	42.2 ----
VK [%]	8.5	9.7	11.2	6.5	8.1
KGD (5%)	2.6	6.5	ns	4.7	5.7
KGD (1%)	3.5	ns	ns	6.3	7.6
Versuchs-Streuung	3.6	3.9	4.9	2.8	3.4
FG Fehlerterm	151.0	34.0	17.0	34.0	34.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2798.5	17	12.39 ***	1.69	0.0000
Anbauorte	453.2	4	8.53 ***	2.43	0.0000
WW Verf.*Anb.Orte	1093.7	68	1.21 ns	1.39	0.1691
Fehler	2006.9	151			
Insgesamt	6352.3	240			

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	8566 Ellighausen TG	
KWS Stabil	47.2	-----
LG 31211	43.1	----
ES Crossman	45.1	-----
P7515	46.5	-----
P8754	47.0	-----
KWS Curacao	41.3	--
KWS Adorado	41.0	--
KXC1304	43.0	----
P7818	48.6	-----
SY Cosmos	41.0	--
Farmactos	41.2	--
1077B009-01	48.0	-----
KXC2049	40.1	-
KXC2253	44.0	----
SA0042	40.7	-
Climber	44.3	-----
KWS Glasgo	43.3	----
KWS Chiasso	46.0	-----
-Bezugsgrösse(n)	46.7	-----
Versuchs-Mittel	44.0	----
VK [%]	8.1	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	3.6	
FG Fehlerterm	32.0	
Anz. Beob.	3.0	

Verse en végétation [%] / Wurzellagerung Vegetation [%]

Verfahren	Seriemittel		1725 Grangeneuve	
KWS Stabil	12.5	-----	12.5	-----
LG 31211	0.0	-	0.0	-
ES Crossman	0.0	-	0.0	-
P7515	6.3	-----	6.3	-----
P8754	0.0	-	0.0	-
KWS Curacao	12.5	-----	12.5	-----
KWS Adorado	12.5	-----	12.5	-----
KXC1304	6.3	-----	6.3	-----
P7818	0.0	-	0.0	-
SY Cosmos	0.0	-	0.0	-
Farmactos	0.0	-	0.0	-
1077B009-01	0.0	-	0.0	-
KXC2049	0.0	-	0.0	-
KXC2253	0.0	-	0.0	-
SA0042	0.0	-	0.0	-
Climber	6.3	-----	6.3	-----
KWS Glasgo	6.3	-----	6.3	-----
KWS Chiasso	6.3	-----	6.3	-----
-Bezugsgrösse(n)	3.1	---	3.1	---
Versuchs-Mittel	3.8	----	3.8	----
VK [%]	163.6		163.6	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	6.3		6.3	
FG Fehlerterm	17.0		17.0	
Anz. Beob.	3.0		3.0	

Plantes cassées pendant la végétation [%] / Stängelbruch Vegetation [%]

Verfahren	Seriemittel		8566 Ellighausen TG	
KWS Stabil	10.2	-----	10.2	-----
LG 31211	0.0	-	0.0	-
ES Crossman	3.0	----	3.0	----
P7515	9.1	-----	9.1	-----
P8754	0.0	-	0.0	-
KWS Curacao	0.0	-	0.0	-
KWS Adorado	2.2	---	2.2	---
KXC1304	2.2	---	2.2	---
P7818	6.7	-----	6.7	-----
SY Cosmos	8.7	-----	8.7	-----
Farmactos	0.0	-	0.0	-
1077B009-01	1.7	--	1.7	--
KXC2049	0.0	-	0.0	-
KXC2253	0.0	-	0.0	-
SA0042	0.0	-	0.0	-
Climber	0.0	-	0.0	-
KWS Glasgo	1.7	--	1.7	--
KWS Chiasso	3.4	----	3.4	----
-Bezugsgrösse(n)	4.6	-----	4.6	-----
Versuchs-Mittel	2.7	---	2.7	---
VK [%]	185.3		185.3	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	5.0		5.0	
FG Fehlerterm	32.0		32.0	
Anz. Beob.	3.0		3.0	

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel		8046 Reckenholz ZH		8566 Ellighausen TG	
KWS Stabil	1.3	-	0.0	-	2.5	-
LG 31211	2.0	--	0.0	-	4.0	--
ES Crossman	1.4	-	1.1	----	1.7	-
P7515	1.4	-	1.1	---	1.7	-
P8754	0.0	-	0.0	-	0.0	-
KWS Curacao	7.0	----	0.0	-	14.0	-----
KWS Adorado	16.1	-----	0.5	--	31.6	-----
KXC1304	17.0	-----	0.0	-	34.1	-----
P7818	3.4	--	0.5	--	6.2	--
SY Cosmos	12.5	-----	3.4	-----	21.6	-----
Farmactos	6.0	----	2.7	-----	9.3	---
1077B009-01	1.4	-	0.6	--	2.3	-
KXC2049	9.3	-----	1.6	-----	16.9	-----
KXC2253	19.4	-----	3.9	-----	34.9	-----
SA0042	4.5	---	0.6	--	8.4	---
Climber	5.3	---	2.2	-----	8.3	---
KWS Glasgo	17.6	-----	1.1	---	34.1	-----
KWS Chiasso	4.5	---	0.5	--	8.4	---
-Bezugsgrösse(n)	0.7	-	0.6	--	0.8	-
Versuchs-Mittel	7.2	----	1.1	---	13.3	----
VK [%]	108.7		164.8		82.1	
KGD (5%)	9.1		ns		18.2	
KGD (1%)	12.0		ns		24.5	
Versuchs-Streuung	7.8		1.8		11.0	
FG Fehlerterm	64.0		32.0		32.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4280.4	17	4.09 ***	1.79	0.0002
Anbauorte	4041.4	1	65.60 ***	3.99	0.0000
WW Verf.*Anb.Orte	3762.9	17	3.59 ***	1.79	0.0003
Fehler	3942.9	64			
Insgesamt	16027.6	99			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1725 Grangeneuve	3065 Habstetten
KWS Stabil	3.3 -----	4.0 -----	2.7 -----
LG 31211	3.2 -----	4.0 -----	2.3 -----
ES Crossman	2.0 -----	2.0 -----	2.0 -----
P7515	4.0 -----	4.0 -----	4.0 -----
P8754	2.3 -----	2.5 -----	2.0 -----
KWS Curacao	3.6 -----	4.5 -----	2.7 -----
KWS Adorado	3.4 -----	3.5 -----	3.3 -----
KXC1304	0.0 -	0.0 -	0.0 -
P7818	3.2 -----	3.0 -----	3.3 -----
SY Cosmos	3.3 -----	3.0 -----	3.7 -----
Farmactos	3.5 -----	4.0 -----	3.0 -----
1077B009-01	3.0 -----	3.0 -----	3.0 -----
KXC2049	3.9 -----	4.5 -----	3.3 -----
KXC2253	4.6 -----	4.5 -----	4.7 -----
SA0042	5.0 -----	5.0 -----	5.0 -----
Climber	2.3 -----	2.5 -----	2.0 -----
KWS Glasgo	4.0 -----	4.0 -----	4.0 -----
KWS Chiasso	3.9 -----	4.5 -----	3.3 -----
-Bezugsgrösse(n)	3.1 -----	3.3 -----	3.0 -----
Versuchs-Mittel	3.2 -----	3.5 -----	3.0 -----
VK [%]	17.1	15.3	18.7
KGD (5%)	0.6	1.1	0.9
KGD (1%)	0.9	1.5	1.3
Versuchs-Streuung	0.6	0.5	0.6
FG Fehlerterm	51.0	17.0	34.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	127.6	17	24.45 ***	1.83	0.0000
Anbauorte	5.6	1	18.10 ***	4.03	0.0001
WW Verf.*Anb.Orte	13.6	17	2.60 **	1.83	0.0044
Fehler	15.7	51			
Insgesamt	162.4	86			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	0.3 ----	0.0 -	1.8 -----	0.0 -	0.0 -
LG 31211	0.8 -----	0.0 -	0.6 --	0.0 -	2.3 -----
ES Crossman	0.5 -----	0.0 -	1.3 ----	0.0 -	0.0 -
P7515	0.6 -----	0.0 -	3.4 -----	0.0 -	0.0 -
P8754	0.7 -----	0.0 -	1.7 -----	0.0 -	0.8 ----
KWS Curacao	0.2 ---	0.0 -	1.1 ----	0.0 -	0.0 -
KWS Adorado	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
KXC1304	0.1 --	0.0 -	0.5 --	0.0 -	0.0 -
P7818	0.4 -----	0.0 -	2.5 -----	0.0 -	0.0 -
SY Cosmos	0.6 -----	0.0 -	0.6 --	0.0 -	1.4 -----
Farmactos	0.2 --	0.0 -	0.5 --	0.4 -----	0.0 -
1077B009-01	0.1 --	0.0 -	0.5 --	0.0 -	0.0 -
KXC2049	0.1 --	0.0 -	0.5 --	0.0 -	0.0 -
KXC2253	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
SA0042	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
Climber	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
KWS Glasgo	0.2 ---	0.4 -----	1.1 ----	0.0 -	0.0 -
KWS Chiasso	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	0.6 -----	0.0 -	2.5 -----	0.0 -	0.4 --
Versuchs-Mittel	0.3 ----	0.0 -	0.9 ---	0.0 -	0.2 --
VK [%]	264.5	734.8	148.7	734.8	342.8
KGD (5%)	0.5	ns	ns	ns	ns
KGD (1%)	0.6	ns	ns	ns	ns
Versuchs-Streuung	0.7	0.1	1.3	0.2	0.9
FG Fehlerterm	185.0	34.0	17.0	34.0	34.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	21.8	17	2.71 ***	1.68	0.0007
Anbauorte	28.7	5	12.11 ***	2.27	0.0000
WW Verf.*Anb.Orte	73.7	85	1.83 ns	1.34	
Fehler	87.8	185			
Insgesamt	212.0	292			

Charbon [%] / Beulenbrand [%]

Verfahren	8194		8566	
	Hüntwangen ZH		Ellighausen TG	
KWS Stabil	0.0	-	0.0	-
LG 31211	2.3	-----	0.0	-
ES Crossman	0.0	-	1.8	-----
P7515	0.0	-	0.0	-
P8754	0.8	----	0.6	----
KWS Curacao	0.0	-	0.0	-
KWS Adorado	0.0	-	0.0	-
KXC1304	0.0	-	0.0	-
P7818	0.0	-	0.0	-
SY Cosmos	1.4	-----	0.0	-
Farmactos	0.0	-	0.0	-
1077B009-01	0.0	-	0.0	-
KXC2049	0.0	-	0.0	-
KXC2253	0.0	-	0.0	-
SA0042	0.0	-	0.0	-
Climber	0.0	-	0.0	-
KWS Glasgo	0.0	-	0.0	-
KWS Chiasso	0.0	-	0.0	-
-Bezugsgrösse(n)	0.4	--	0.3	--
Versuchs-Mittel	0.2	--	0.1	-
VK [%]	342.8		353.6	
KGD (5%)	ns		0.8	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.9		0.5	
FG Fehlerterm	34.0		32.0	
Anz. Beob.	3.0		3.0	

Pyrales, plantes touchées [%] / mit Maiszünsler befallene Pflanzen [%]

Verfahren	Seriemittel	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	
KWS Stabil	2.2 -----	6.5 -----	0.0 -	0.0 -	
LG 31211	1.7 -----	3.9 -----	0.7 ---	0.6 -----	
ES Crossman	0.8 ---	2.3 ---	0.0 -	0.0 -	
P7515	1.3 -----	3.3 -----	0.0 -	0.6 -----	
P8754	0.2 -	0.7 -	0.0 -	0.0 -	
KWS Curacao	1.8 -----	2.8 ---	2.0 -----	0.6 -----	
KWS Adorado	1.2 ---	2.1 ---	1.4 -----	0.0 -	
KXC1304	2.5 -----	6.3 -----	1.3 -----	0.0 -	
P7818	0.2 -	0.6 -	0.0 -	0.0 -	
SY Cosmos	1.3 -----	3.4 -----	0.0 -	0.6 -----	
Farmactos	1.1 -----	2.7 ---	0.8 ---	0.0 -	
1077B009-01	1.6 -----	2.8 ---	2.0 -----	0.0 -	
KXC2049	0.7 ---	2.2 ---	0.0 -	0.0 -	
KXC2253	2.0 -----	5.5 -----	0.6 ---	0.0 -	
SA0042	0.8 ---	2.3 ---	0.0 -	0.0 -	
Climber	1.1 ---	3.2 -----	0.0 -	0.0 -	
KWS Glasgo	2.0 -----	4.8 -----	0.7 ---	0.6 -----	
KWS Chiasso	2.5 -----	5.0 -----	2.5 -----	0.0 -	
-Bezugsgrösse(n)	0.8 ---	2.0 ---	0.0 -	0.3 -----	
Versuchs-Mittel	1.4 -----	3.4 -----	0.7 ---	0.2 ---	
VK [%]	146.7	96.0	219.5	324.7	
KGD (5%)	ns	ns	ns	ns	
KGD (1%)	ns	ns	ns	ns	
Versuchs-Streuung	2.0	3.2	1.5	0.5	
FG Fehlerterm	98.0	32.0	32.0	34.0	
Anz. Beob.	9.0	3.0	3.0	3.0	
Varianz-Analyse	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	76.3	17	1.07 ns	1.73	0.3919
Anbauorte	319.7	2	38.15 ***	3.09	0.0000
WW Verf.*Anb.Orte	111.1	34	0.78 ns	1.55	0.7925
Fehler	410.6	98			
Insgesamt	917.7	151			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	8.1 ---	8.5 ----	8.6 ----	9.0 -----	8.3 ----
LG 31211	8.0 ---	8.3 ---	9.0 -----	8.9 -----	8.6 -----
ES Crossman	7.8 -	8.0 -	8.2 -	8.2 -	8.2 ---
P7515	8.3 -----	8.7 -----	8.9 -----	9.1 -----	8.7 -----
P8754	8.1 ---	8.2 --	9.0 -----	8.8 -----	7.9 -
KWS Curacao	8.6 -----	9.2 -----	9.5 -----	9.3 -----	8.6 -----
KWS Adorado	8.7 -----	8.8 -----	9.5 -----	9.3 -----	9.0 -----
KXC1304	8.7 -----	9.0 -----	9.1 -----	9.3 -----	8.7 -----
P7818	8.2 ---	8.2 --	8.1 -	9.4 -----	8.5 ----
SY Cosmos	8.4 -----	8.6 -----	9.1 -----	9.2 -----	8.5 ----
Farmactos	8.4 -----	9.1 -----	9.1 -----	8.7 ----	9.0 -----
1077B009-01	8.5 -----	8.9 -----	9.1 -----	8.9 -----	8.8 -----
KXC2049	8.8 -----	9.0 -----	9.4 -----	9.3 -----	8.6 ----
KXC2253	8.7 -----	8.8 -----	9.0 -----	9.2 -----	9.0 -----
SA0042	8.3 ----	8.6 ----	9.5 -----	9.0 -----	8.6 ----
Climber	8.5 -----	8.7 ----	9.5 -----	9.2 -----	8.8 -----
KWS Glasgo	8.7 -----	9.0 -----	9.3 -----	9.1 -----	9.1 -----
KWS Chiasso	8.6 -----	9.0 -----	9.7 -----	9.2 -----	8.7 ----
-Bezugsgrösse(n)	8.2 ----	8.4 ----	8.9 -----	8.9 -----	8.3 ----
Versuchs-Mittel	8.4 -----	8.7 -----	9.1 -----	9.1 -----	8.6 -----
VK [%]	5.7	4.0	3.6	3.9	4.0
KGD (5%)	0.3	0.6	0.7	0.6	0.6
KGD (1%)	0.4	0.8	0.9	ns	ns
Versuchs-Streuung	0.5	0.4	0.3	0.4	0.3
FG Fehlerterm	187.0	34.0	17.0	34.0	34.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	25.1	17	6.49 ***	1.68	0.0000
Anbauorte	239.9	5	211.16 ***	2.26	0.0000
WW Verf.*Anb.Orte	25.2	85	1.30 ns	1.34	
Fehler	42.5	187			
Insgesamt	332.6	294			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	8194		8566	
	Hüntwangen ZH		Ellighausen TG	
KWS Stabil	6.3	---	7.9	-----
LG 31211	6.6	----	6.9	-
ES Crossman	6.0	-	8.2	-----
P7515	5.9	-	8.6	-----
P8754	6.3	---	8.2	-----
KWS Curacao	7.1	-----	8.2	-----
KWS Adorado	7.0	-----	8.6	-----
KXC1304	7.2	-----	8.6	-----
P7818	6.2	--	8.6	-----
SY Cosmos	6.4	---	8.4	-----
Farmactos	6.2	--	8.4	-----
1077B009-01	6.5	----	8.6	-----
KXC2049	7.9	-----	8.8	-----
KXC2253	7.1	-----	8.8	-----
SA0042	5.9	-	8.2	-----
Climber	6.3	---	8.6	-----
KWS Glasgo	6.9	-----	8.6	-----
KWS Chiasso	6.4	---	8.6	-----
-Bezugsgrösse(n)	6.1	--	8.4	-----
Versuchs-Mittel	6.6	----	8.4	-----
VK [%]	9.5		7.9	
KGD (5%)	1.0		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.6		0.7	
FG Fehlerterm	34.0		34.0	
Anz. Beob.	3.0		3.0	

Rendement grain (14% H₂O) [dt/ha] / Kornertrag (14% H₂O) [dt/ha]

Verfahren	Seriemittel	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntwangen ZH
KWS Stabil	146.5 ---	156.4 -	136.6 -----	144.4 -----	138.4 -----
LG 31211	155.8 -----	189.8 -----	136.5 -----	135.1 ----	129.8 --
ES Crossman	158.2 -----	171.7 -----	141.5 -----	142.7 -----	152.3 -----
P7515	152.9 -----	173.4 -----	137.1 -----	142.5 -----	151.8 -----
P8754	168.4 -----	186.5 -----	159.3 -----	158.4 -----	151.5 -----
KWS Curacao	144.6 --	161.7 --	127.9 ---	136.1 ----	137.9 -----
KWS Adorado	152.6 -----	164.0 ---	130.8 ----	151.5 -----	152.1 -----
KXC1304	140.7 -	163.5 ---	117.3 -	127.9 --	139.9 -----
P7818	160.0 -----	172.4 -----	141.3 -----	155.3 -----	152.6 -----
SY Cosmos	144.8 --	165.1 ---	129.2 ---	134.2 ----	131.8 ---
Farmactos	139.7 -	162.5 --	127.8 ---	125.8 --	124.6 -
1077B009-01	155.4 -----	180.8 -----	139.9 -----	145.7 -----	141.8 -----
KXC2049	149.7 ----	168.9 ----	134.9 ----	136.7 ----	138.6 -----
KXC2253	143.4 --	161.5 --	133.2 ----	133.5 ----	128.0 --
SA0042	139.7 -	162.0 --	125.2 --	122.5 -	128.8 --
Climber	143.5 --	157.0 -	131.9 ----	124.0 -	135.5 ----
KWS Glasgo	151.9 -----	162.7 --	133.4 ----	148.2 -----	151.5 -----
KWS Chiasso	149.8 ----	164.3 ---	134.2 -----	143.8 -----	136.0 -----
-Bezugsgrösse(n)	160.6 -----	180.0 -----	148.2 -----	150.5 -----	151.7 -----
Versuchs-Mittel	149.9 ----	168.0 ----	134.3 ----	139.3 ----	140.2 -----
VK [%]	6.1	5.6	4.7	6.1	4.5
KGD (5%)	6.6	ns	10.5	14.0	10.6
KGD (1%)	8.7	ns	14.0	18.8	14.2
Versuchs-Streuung	9.1	9.4	6.3	8.4	6.4
FG Fehlerterm	151.0	17.0	34.0	34.0	32.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	15566.7	17	10.98 ***	1.69	0.0000
Anbauorte	58617.9	4	175.76 ***	2.43	0.0000
WW Verf.*Anb.Orte	8522.0	68	1.50 *	1.39	0.0207
Fehler	12590.0	151			
Insgesamt	95296.5	240			

Rendement grain (14% H₂O) [dt/ha] / Kornertrag (14% H₂O) [dt/ha]

Verfahren	8566	
	Ellighausen TG	
KWS Stabil	156.8	-
LG 31211	187.7	-----
ES Crossman	182.7	-----
P7515	159.6	--
P8754	186.0	-----
KWS Curacao	159.6	--
KWS Adorado	164.5	----
KXC1304	154.9	-
P7818	178.7	-----
SY Cosmos	163.6	---
Farmactos	157.9	--
1077B009-01	168.6	-----
KXC2049	169.3	-----
KXC2253	160.9	--
SA0042	160.0	--
Climber	169.0	----
KWS Glasgo	163.9	---
KWS Chiasso	170.8	-----
-Bezugsgrösse(n)	172.8	-----
Versuchs-Mittel	167.5	----
VK [%]	7.9	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	13.3	
FG Fehlerterm	34.0	
Anz. Beob.	3.0	

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntwangen ZH
KWS Stabil	91.4 ---	86.9 -	92.2 -----	96.0 -----	91.3 -----
LG 31211	96.3 -----	105.5 -----	92.1 -----	89.8 ----	85.6 --
ES Crossman	98.4 -----	95.4 -----	95.5 -----	94.9 -----	100.4 -----
P7515	95.2 -----	96.4 -----	92.5 -----	94.7 -----	100.1 -----
P8754	104.8 -----	103.6 -----	107.5 -----	105.3 -----	99.9 -----
KWS Curacao	90.0 --	89.8 --	86.3 ---	90.4 ----	90.9 -----
KWS Adorado	95.1 -----	91.1 ---	88.3 ----	100.7 -----	100.3 -----
KXC1304	87.4 -	90.8 ---	79.2 -	85.0 --	92.2 -----
P7818	99.7 -----	95.8 -----	95.4 -----	103.2 -----	100.6 -----
SY Cosmos	89.9 --	91.7 ---	87.2 ---	89.2 ----	86.9 ---
Farmactos	86.7 -	90.3 --	86.2 ---	83.6 --	82.1 -
1077B009-01	96.6 -----	100.5 -----	94.4 -----	96.8 -----	93.5 -----
KXC2049	93.0 ----	93.9 ----	91.0 ----	90.9 ----	91.4 -----
KXC2253	89.2 --	89.7 --	89.9 ----	88.7 ----	84.4 --
SA0042	86.7 -	90.0 --	84.5 --	81.4 -	84.9 --
Climber	89.2 --	87.2 -	89.0 ----	82.4 -	89.3 ----
KWS Glasgo	94.7 -----	90.4 --	90.0 ----	98.5 -----	99.9 -----
KWS Chiasso	93.2 ----	91.3 ---	90.6 -----	95.6 -----	89.7 -----
-Bezugsgrösse(n)	100.0 -----	100.0 -----	100.0 -----	100.0 -----	100.0 -----
Versuchs-Mittel	93.2 ----	93.4 ----	90.7 ----	92.6 ----	92.4 -----
VK [%]	6.0	5.6	4.7	6.1	4.5
KGD (5%)	4.0	ns	7.1	9.3	7.0
KGD (1%)	5.3	ns	9.5	12.5	9.4
Versuchs-Streuung	5.6	5.2	4.3	5.6	4.2
FG Fehlerterm	151.0	17.0	34.0	34.0	32.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6136.4	17	11.53 ***	1.69	0.0000
Anbauorte	1147.1	4	9.16 ***	2.43	0.0000
WW Verf.*Anb.Orte	3350.0	68	1.57 *	1.39	0.0116
Fehler	4727.2	151			
Insgesamt	15360.7	240			

Rendement relatif [%] / Relativertrag [%]

Verfahren	8566	
	Ellighausen TG	
KWS Stabil	90.7	-
LG 31211	108.6	-----
ES Crossman	105.7	-----
P7515	92.4	--
P8754	107.6	-----
KWS Curacao	92.3	--
KWS Adorado	95.2	---
KXC1304	89.6	-
P7818	103.4	-----
SY Cosmos	94.7	---
Farmactos	91.4	--
1077B009-01	97.6	----
KXC2049	98.0	----
KXC2253	93.1	--
SA0042	92.6	--
Climber	97.8	----
KWS Glasgo	94.8	---
KWS Chiasso	98.8	----
-Bezugsgrösse(n)	100.0	-----
Versuchs-Mittel	96.9	----
VK [%]	7.9	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	7.7	
FG Fehlerterm	34.0	
Anz. Beob.	3.0	

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	81.8 -----	88.7 -----	77.4 -----	80.1 -----	83.1 -----
LG 31211	79.5 -	88.2 -----	75.0 -	77.7 --	80.4 -
ES Crossman	80.1 --	88.5 -----	76.2 ---	78.2 ----	80.1 -
P7515	82.3 -----	88.8 -----	78.4 -----	80.6 -----	85.0 -----
P8754	81.5 -----	88.3 -----	77.5 -----	80.1 -----	83.2 -----
KWS Curacao	81.0 ----	88.2 ----	77.1 ----	77.9 ---	81.7 ----
KWS Adorado	80.9 ----	88.2 ----	75.1 -	78.5 ----	83.0 -----
KXC1304	81.9 -----	87.9 -	79.4 -----	77.5 --	85.2 -----
P7818	82.1 -----	88.0 --	77.4 ----	80.8 -----	84.2 -----
SY Cosmos	80.3 ---	88.3 ----	76.3 ---	77.0 -	82.2 ----
Farmactos	81.2 -----	88.4 -----	77.7 -----	78.4 ----	83.9 -----
1077B009-01	82.0 -----	88.6 -----	77.8 -----	80.6 -----	84.5 -----
KXC2049	80.7 ----	88.3 ----	76.4 ---	79.1 -----	81.7 ---
KXC2253	82.9 -----	88.5 -----	80.1 -----	80.7 -----	84.2 -----
SA0042	82.5 -----	88.5 -----	79.8 -----	78.4 ----	85.7 -----
Climber	79.6 -	88.5 -----	75.7 --	77.5 --	81.0 --
KWS Glasgo	81.2 ----	88.3 ----	76.7 ----	78.8 ----	82.7 ----
KWS Chiasso	81.4 ----	88.3 ----	77.2 ----	78.6 ----	83.4 ----
-Bezugsgrösse(n)	81.9 -----	88.5 -----	77.9 -----	80.4 -----	84.1 -----
Versuchs-Mittel	81.3 -----	88.4 -----	77.3 -----	78.9 -----	83.1 -----
VK [%]	0.8	0.2	0.8	0.5	0.7
KGD (5%)	0.4	0.4	1.3	0.6	1.0
KGD (1%)	0.5	0.5	1.7	0.8	1.4
Versuchs-Streuung	0.6	0.2	0.6	0.4	0.6
FG Fehlerterm	181.0	34.0	17.0	34.0	32.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	291.0	17	45.84 ***	1.68	0.0000
Anbauorte	4277.1	5	2290.61 ***	2.27	0.0000
WW Verf.*Anb.Orte	201.3	85	6.34 ***	1.35	0.0000
Fehler	67.6	181			
Insgesamt	4837.0	288			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8194		8566	
	Hüntwangen ZH		Ellighausen TG	
KWS Stabil	81.3	-----	80.1	-----
LG 31211	78.4	--	77.3	--
ES Crossman	80.6	-----	76.9	-
P7515	80.9	-----	79.8	-----
P8754	81.4	-----	78.8	-----
KWS Curacao	81.1	-----	79.9	-----
KWS Adorado	80.7	-----	79.8	-----
KXC1304	80.6	-----	81.0	-----
P7818	82.4	-----	79.8	-----
SY Cosmos	79.5	----	78.4	----
Farmactos	80.2	-----	78.7	-----
1077B009-01	81.4	-----	79.3	-----
KXC2049	81.0	-----	77.8	---
KXC2253	82.7	-----	81.5	-----
SA0042	81.7	-----	81.1	-----
Climber	77.9	-	77.1	-
KWS Glasgo	81.1	-----	79.5	-----
KWS Chiasso	81.4	-----	79.5	-----
-Bezugsgrösse(n)	81.2	-----	79.3	-----
Versuchs-Mittel	80.8	-----	79.2	-----
VK [%]	1.2		0.7	
KGD (5%)	1.7		1.0	
KGD (1%)	2.3		1.3	
Versuchs-Streuung	1.0		0.6	
FG Fehlerterm	32.0		32.0	
Anz. Beob.	3.0		3.0	

4.2 Serie mittelfrüh / Série mi-précoce

4.2.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	27.04.2023	09.10.2023 †
1567	Delley	500	04.05.2023	27.11.2023
1725	Grangeneuve	654	22.05.2023	19.10.2023
3065	Habstetten	680	20.05.2023	24.11.2023
8046	Reckenholz	440	06.05.2023	12.10.2023
8194	Hüntwangen	384	22.05.2023	08.11.2023
8566	Ellighausen	503	26.05.2023	01.11.2023

† Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement pas prises en compte pour les mises en valeur.

4.2.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
RGT Chromixx	RH13049	SC	R2n	Fenaco, Moudon	KM11/S	
Benedictio KWS	KXB4138	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM11/T
Dentrico KWS	KXB6324	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	
ES Katamaran	ESZ7107	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz	KM11/S	
SY Telias	SC1153	SC	Syngenta, CH	Syngenta, Stein	KM11/S	SM11/S
DKC 3400	ET3490	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM11/S	
KWS Chiasso	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM11/T
Privat	BPZ 6115	SC	agaSAAT, D	Eric Schweizer AG, Thun	KM11/e2	
Qualito	KXC0313	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	SM11/e2
KWS Arturello	KXC1347	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	
P8436	X85R261	SC	Pioneer	Pioneer, Versoix	KM11/e2	
(SY Opale)	SA1641	SC	Syngenta, CH	Syngenta, Stein	KM11/e2	SM11/e2
(Pilgrim)	GL187009	SC	SZG, Gleisdorf	Eric Schweizer AG, Thun	KM11/e2	SM11/e2
	RH22001	SC	RAGT 2n, F	Fenaco, Moudon	KM11/e1	
	KXC2306	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM01/e1
	KXC2311	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM01/e1
	KXC3123	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/1.	SM11/1.
	DF20ZM3E1198	SC	DSP, Delley		KM11/1.	
LG 32257	LZM270/58	SC	Limagrain, Europe	Fenaco, Moudon	KM11/T	SM11/T
P8307	X85F816	SC	Pioneer	Pioneer, Versoix	KM11/T	

4.2.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Technische Versuchsausgaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Delley (900 m ü.M.)	Grange neuve (654 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Altstetten / Oberglatt (384 m ü.M.)	Hüntwangen (384 m ü.M.)	Eilighausen (503 m ü.M.)		
Bodenart / type de sol / soil type:	Limono sableux	Moyen: 15-20 % argile, pH 7.2	Moyen	Sandiger Lehm pH 6.4	Fähligley	Parabraunerde	Braunerde		
Witterungsbedingungen / données météorologiques / meteorological data: Nieerschlagssumme / sommes des précipitations / sum of rainfalls (Saar - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C: Saar - Ernte/ semis - récolte / seeding - harvest):	325 mm (Meteostation Changins) 2212 °C (Meteostation Changins) Irrigation: 20.06.2023 30mm 10.07.2023 30mm	550 mm (selon Agrometeo, station Delley) 2148.6 °C (selon Agrometeo, station Delley, seuil 6°C)	373 mm (néto Suisse Postaux) 1831 °C (néto Suisse Postaux)	666 mm (Meteostation Zschwil) 1844 °C (Meteostation Zschwil)	434.4 mm (Meteostation Reckenholz) 2024.15 °C (Meteostation Reckenholz)	440.3 mm (Meteostation Steinmaur) 2029.5 °C (Meteostation Steinmaur)	388.1 mm (Meteostation Eilighausen) 1872.1 °C (Meteostation Eilighausen)		
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen/blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengrösse / grandeur d'une parcelle / plot size:	Semé: 17 m ² per single plot (brut, avec chemin d'environ 1.1 m), 14.4 m ² net, 4 rangs Récolté: 8.5 m ² per single plot (brut, avec chemin), 7.2 m ² net, 2 rangs au milieu		4reihig, mit 1.33m Weg (20 m ² brutto), 10 m ² netto	4reihig, mit 1.33m Weg (20 m ² brutto), 10m ² netto	15 m ² pro Plot brutto (4reihig, mit 0.8m 0.8m Weg), 6.3 m ² netto	15 m ² pro Plot brutto (4reihig, mit 0.8m 0.8m Weg), 6.3 m ² netto	15 m ² pro Plot brutto (4reihig, mit 0.8m 0.8m Weg), 6.3 m ² netto		
Vorrucht / précédent cultural / previous crop:	blé autonome + engrais vert	Soja, Phacélie	Prairie temporaire / Kuntswiese / temporary grassland	orge	Soja	Zuckerrüben / sugar beet	Wintergetreide / Gründüngung UFA Lepha		
Bodenbearbeitung / travail du sol / soil cultivation:	cultivateur pattes d'oie 02.03.2023 vibroculteur 23.03.2023 Herse rotative 26.04.2023	06.04.2023: Labouir 19.05.2023: Herse rotative	Labouré le 05.05.2023. Préparation pour semis, herse rotative 06.05.2023 harrow 26.04.2023 et 05.05.2023	Pflug und Kreiselegge / charue et herse rotative / plough and rotary harrow 26.04.2023 et 05.05.2023	11.02.23 Pflug, 06.05.23 Kreiselegge	20.05.23 Federzähnelegge, 21.05.23 Federzähnelegge	05.04.23 Pflug, 11.05.23 Kreiselegge		
Saat / date de semis / sowing date:	27.04.2023 (jour 117)	20.05.2023 (jour 140)	22.05.23 (jour 142)	20.05.2023 (jour 140)	06.05.2023	22.05.2023	26.05.2023		
Ernte / date de récolte / harvest date:	09-10-2023 (jour 232)	27.11.2023 (jour 331)	19.10.23 (jour 292)	24.11.2023 (jour 328)	12.10.23	08.11.2023	01.11.2023		
Saadtdichte / densité de semis / sowing density:	9.5 Körner / grains pro m ²	Semis: 11.9 grains pro m ² , ébédici à 9.1 plantes/m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²		
Vegetationsdauer / durée de végétation / growing period	165 Tage / jours / days	191 Tage / jours / days	150 Tage / jours / days	188 Tage / jours / days	159 Tage / jours / days	170 Tage / jours / days	159 Tage / jours / days		
Reihenabstand / interlignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm		
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	16.06.23 hacken gekoppelt mit Düngung	-	-		
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	30.05.2023: Stomp Aqua 2 l/ha Banvel 0.5 l/ha Monsoon 2 l/ha	21.05.2023: Basagran SG (0.5 kg/ha) + Spectrum Gold (2 L/ha)	09.06.2023, Equip Power: 1.55 l/ha	06.06.2023 Callisto 1.1 l / ha Equip Power 1.2 l / ha	22.05.23 Equip 0.5 l/ha + Spectrum 0.7 l/ha + Meosstar 0.5 l/ha + Stomp Aqua 1.4 l/ha	24.06.23 Equip Power 1.5 l/ha	08.06.23 Aspekt 1.5 l/ha + Laudis 2 l/ha		
Grunddüngung / fumure de base / basic fertilisation:	08.08.2022 40 m ³ Liserer bovins 5-10-20 : 20 kg N 40 kg P2O5 80 kg K2O	03.02.2023: Landor 0.20.30 (427 kg/ha, 0 U/ha N, 85 U/ha P2O5, 128 U/ha K2O)	08.08.2023: Urée 46%, 245 kg/ha : 112 kg N	22.04.23 : Granuphos 17% : 300 kg/ha = 51 kg P/ha, Kali 60% : 150 kg/ha = 90 kg K/ha	11.02.23 Stappelmist 48m ³ /ha (43.2kg N/ha)	04.05.23 Presswasser 25m ³ /ha (79-34kg N-P/ha)	02.04.23 Rindergülle 1:2 30m ³ /ha (64.5kg N/ha)		
N-Düngung / fumure N / N fertilisation:	26.04.2023 : 260 l/ha N liquide 30.0.0.0 : 108 N	04.05.2023: Sulfamid 30.0.0 (652 kg/ha, 166 U/ha N, 0 U/ha P2O5, 0 U/ha K2O, 17 U/ha Mg)	Prinremps: 40m ³ ha Liserer bovins 5-10-20 : 20 kg N, 40 kg P2O5, 80 kg K2O	23.05.23 : 50 kg N/ha (Harnstoff 46%); 19.06.23: 53 kg N/ha (Harnstoff 46%) = 46.3 N	23.05.23 Mg-Ammonsalpeter 24%N + S 200kg/ha (48kg N/ha); 16.06.23 Harnstoff 46% : 100kg/ha (46kg N/ha)	20.05.23 Harnstoff 46% : 200kg/ha (92kg N/ha); 10.06.23 Harnstoff 100kg (46kg N/ha)	10.06.23 Harnstoff 120kg/ha (54kg N/ha); 10.06.23 Harnstoff 100kg (46kg N/ha)		
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N minéralisation at the beginning of the vegetation period:	-	-	20.06.23: Urée 46%, 245kg/ha : 112 kg N	-	-	-	-		
Ernte / Récolte / harvest:	Baural Mährescher/ moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Hadrup C66	Baural Mährescher/ moissonneuse-batteuse / direct combine harvesting	Baural Mährescher/ moissonneuse-batteuse / direct combine harvesting	Wintersteiger Delta Mährescher / moissonneuse-batteuse / direct combine harvesting				

4.2.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager		Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
					Vegetation	Ernte					
P8436	e2	6.75	-3.12	-0.26	0.22	0.08	0.57	-0.07	-0.03	4.14	
KWS Arturello	e2	6.59	-4.14	-0.26	0.22	0.41	0.95	0.08	0.04	3.89	
Dentrico KWS	S	0.67	0.22	-0.02	-0.22	-0.19	0.30	-0.05	-0.02	0.69	
ES Katamaran	S	-0.67	-0.22	0.02	0.22	0.19	-0.30	0.05	0.02	-0.69	
DKC 3400	S	-1.43	-2.43	-0.48	0.22	0.24	0.73	-0.04	0.02	-3.17	
GL187009 (Pilgrim)	e2	8.99	-11.79	-0.10	0.22	-0.85	0.40	0.08	-0.61	-3.66	
KXC2311	e1	1.92	-2.12	0.05	0.07	-0.78	-2.35	-0.28	-0.41	-3.90	
P8307	T	-4.53	3.79	-0.10	-0.07	-2.62	0.10	0.06	-0.88	-4.25	
KXC2306	e1	0.77	-2.45	-0.07	-0.07	-2.03	-0.73	-0.07	-0.26	-4.91	
KXC3123	1.	-1.19	-0.93	0.02	-0.07	-1.16	-2.84	-0.06	0.06	-6.17	
LG 32257	T	1.99	-6.58	0.09	-0.37	-1.65	0.13	0.02	0.06	-6.31	
SA1641 (SY Opale)	e2	2.04	-7.44	-0.10	0.22	-2.35	0.84	-0.12	-0.08	-6.99	
KWS Chiasso	S	-3.78	-0.12	-0.12	-0.37	-3.49	0.78	0.02	-0.41	-7.49	
DF20ZM3E1198	1.	-3.02	-3.42	-0.33	0.22	-2.30	-0.03	0.06	-0.26	-9.08	
RGT Chromixx	S	-1.93	-5.48	0.00	0.22	-2.70	0.52	0.02	0.06	-9.29	
RH22001	e1	-1.86	-8.18	-0.10	0.07	-0.24	0.12	-0.20	0.00	-10.39	
Benedictio KWS	S	-4.11	-3.30	-0.05	-0.37	-2.90	-0.08	-0.07	0.00	-10.88	
Privat	e2	-0.19	-8.30	0.02	0.07	-1.90	-1.02	0.08	-0.66	-11.90	
Qualito	e2	-0.03	-8.88	-0.10	-0.22	-1.04	-2.13	-0.18	0.04	-12.54	
SY Telias	S	-2.95	-5.57	0.05	0.22	-3.00	-0.89	-0.03	-0.57	-12.74	
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Anzahl Beob.		18	21	21	6	3	3	12	6		
Anzahl Orte		6	7	7	2	1	1	4	2		
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25		

4.2.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Green snap %	Wu- lager. Veg. %	Wu- lager. Ernte %	Stängel- bruch Veg. %
RGT Chromixx	3.6	63.5	61.7	247.0	111.7	44.9	0.4	0.0	29.4	7.1
Benedictio KWS	3.7	63.5	62.3	246.2	108.3	43.7	1.3	8.3	31.3	0.0
Dentrico KWS	3.6	63.3	62.0	228.1	92.1	40.1	0.0	6.3	6.1	1.8
ES Katamaran	3.5	64.1	62.4	229.0	106.1	46.3	0.0	0.0	2.5	0.0
SY Telias	3.5	63.5	61.9	226.1	95.5	42.2	0.4	0.0	32.3	0.0
DKC 3400	4.5	64.9	63.2	230.6	103.4	44.7	0.4	0.0	2.0	1.8
KWS Chiasso	3.8	62.7	61.2	228.7	102.1	44.5	1.6	8.3	36.9	1.2
Privat	3.5	63.2	61.6	232.1	97.4	41.9	0.4	2.1	22.1	0.6
Qualito	3.8	64.7	62.7	258.5	104.2	40.1	0.8	6.3	14.0	1.8
KWS Arturello	4.1	65.1	63.7	225.1	105.0	47.0	0.0	0.0	0.5	0.0
P8436	4.1	66.1	64.5	231.1	109.2	47.3	0.7	0.0	3.5	2.5
SA1641 (SY Opale)	3.8	64.7	62.9	246.5	97.5	39.3	0.0	0.0	26.3	0.0
GL187009 (Pilgrim)	3.8	65.3	63.8	245.9	110.7	44.8	0.4	0.0	12.2	0.0
RH22001	3.8	64.2	62.7	263.2	109.9	41.3	0.8	2.1	6.6	2.4
KXC2306	3.7	64.5	63.4	249.9	117.3	47.0	0.4	4.2	23.2	0.6
KXC2311	3.5	63.5	62.3	250.5	112.1	44.6	0.4	2.1	11.6	0.0
KXC3123	3.5	62.5	61.1	241.6	97.8	40.1	0.0	4.2	15.2	0.0
DF20ZM3E1198	4.2	66.7	65.6	251.1	124.6	49.2	1.2	0.0	25.8	11.1
LG 32257	3.4	62.7	61.2	247.3	92.5	37.1	0.4	8.3	19.7	2.0
P8307	3.8	64.1	62.5	225.9	110.5	49.1	0.8	4.2	28.7	0.0
Bezugsgrösse(n)	3.6	63.7	62.2	228.6	99.1	43.2	0.0	3.1	4.3	0.9
Versuchs-Mittel	3.8	64.1	62.6	240.2	105.4	43.8	0.5	2.8	17.5	1.6
VK [%]	19.8	2.2	2.2	4.8	7.4	8.1	193.8	207.1	61.2	224.4
KGD (5%)	0.5	1.0	1.0	8.3	5.6	2.6		6.7	17.7	
KGD (1%)	0.6	1.3	1.3	11.0	7.4	3.4			23.7	
Versuchs-Streuung	0.7	1.4	1.4	11.6	7.8	3.6	1.0	5.8	10.7	3.7
FG Fehlerterm	266.0	189.0	190.0	190.0	190.0	190.0	38.0	76.0	38.0	38.0
Anz. Beob.	21.0	15.0	15.0	15.0	15.0	15.0	3.0	6.0	3.0	3.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	5.0	1.0	2.0	1.0	1.0
Minimum	3.4	62.5	61.1	225.1	92.1	37.1	0.0	0.0	0.5	0.0
Maximum	4.5	66.7	65.6	263.2	124.6	49.2	1.6	8.3	36.9	11.1

Sorten Bezeichnung	Stängel- bruch Ernte %	Stängel fäule %	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Mais- zünsl. %	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
RGT Chromixx	5.5	0.7	2.3	0.5	0.3	7.3	140.5	98.3	78.8
Benedictio KWS	11.1	1.5	3.3	1.2	1.4	8.1	136.9	95.6	79.6
Dentrico KWS	7.6	1.8	2.3	1.0	0.6	7.9	144.9	101.2	81.0
ES Katamaran	13.1	1.2	2.3	0.3	0.2	8.1	142.6	98.8	80.9
SY Telias	18.7	9.5	2.7	0.9	0.5	7.8	138.8	95.8	78.7
DKC 3400	3.5	1.2	3.0	0.9	0.2	8.0	141.4	98.5	80.0
KWS Chiasso	3.0	7.2	4.3	0.5	1.1	8.1	137.4	95.9	80.9
Privat	19.9	10.7	3.7	0.1	1.2	7.5	143.4	100.2	77.6
Qualito	30.2	0.9	3.0	1.9	0.2	8.2	143.7	100.4	77.4
KWS Arturello	1.5	0.9	2.3	0.1	0.0	7.8	154.8	107.6	79.3
P8436	5.1	1.8	3.0	1.1	0.0	8.1	155.1	108.9	79.7
SA1641 (SY Opale)	2.5	2.7	2.7	1.5	0.6	7.9	147.2	102.8	78.0
GL187009 (Pilgrim)	6.6	10.0	2.7	0.1	0.7	7.7	158.8	110.9	76.2
RH22001	9.2	1.5	2.0	2.1	0.4	7.7	140.6	97.5	77.7
KXC2306	17.2	5.2	3.0	1.1	0.2	8.1	145.1	100.6	80.0
KXC2311	32.3	7.2	3.3	2.6	1.0	8.3	147.0	102.4	80.1
KXC3123	36.9	0.6	4.3	1.0	0.6	8.0	141.8	98.5	80.6
DF20ZM3E1198	10.6	5.1	3.0	0.2	0.0	7.7	138.7	97.0	79.6
LG 32257	9.1	0.6	3.0	0.5	0.8	7.8	147.1	102.5	78.3
P8307	9.4	13.8	3.0	0.2	1.0	7.8	136.2	94.8	82.5
Bezugsgrösse(n)	10.4	1.5	2.3	0.6	0.4	8.0	143.8	100.0	81.0
Versuchs-Mittel	12.6	4.2	3.0	0.9	0.6	7.9	144.1	100.4	79.4
VK [%]	91.1	139.6	29.7	198.3	197.1	5.7	5.7	5.8	1.2
KGD (5%)	19.1	6.7		1.4		0.3	5.4	3.8	0.6
KGD (1%)		8.9				0.4	7.1	5.0	0.8
Versuchs-Streuung	11.5	5.9	0.9	1.8	1.1	0.5	8.1	5.8	1.0
FG Fehlerterm	38.0	76.0	38.0	152.0	114.0	266.0	228.0	228.0	266.0
Anz. Beob.	3.0	6.0	3.0	12.0	9.0	21.0	18.0	18.0	21.0
Anz. Orte	1.0	2.0	1.0	4.0	3.0	7.0	6.0	6.0	7.0
Minimum	1.5	0.6	2.0	0.1	0.0	7.3	136.2	94.8	76.2
Maximum	36.9	13.8	4.3	2.6	1.4	8.3	158.8	110.9	82.5

4.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
RGT Chromixx	3.6 --	4.0 ---	3.3 -----	4.7 ----	5.0 -----
Benedictio KWS	3.7 ---	5.3 -----	3.0 ----	4.3 ---	4.7 -----
Dentrico KWS	3.6 ---	4.3 -----	3.7 -----	4.7 -----	3.7 -
ES Katamaran	3.5 --	4.7 -----	2.3 -	5.0 -----	4.3 -----
SY Telias	3.5 -	4.7 -----	2.3 -	4.3 ---	4.3 -----
DKC 3400	4.5 -----	5.0 -----	4.3 -----	5.7 -----	5.3 -----
KWS Chiasso	3.8 ----	4.7 -----	3.0 ----	5.0 -----	4.7 -----
Privat	3.5 --	3.7 --	3.0 ----	5.0 -----	4.0 ---
Qualito	3.8 ----	4.7 -----	2.7 --	5.3 -----	4.3 -----
KWS Arturello	4.1 -----	4.7 -----	3.7 -----	5.0 -----	4.7 -----
P8436	4.1 -----	5.7 -----	2.7 --	5.7 -----	5.0 -----
SA1641 (SY Opale)	3.8 ----	5.0 -----	3.0 ----	4.0 -	4.7 -----
GL187009 (Pilgrim)	3.8 ----	4.3 -----	2.7 --	4.3 ---	4.7 -----
RH22001	3.8 ----	5.0 -----	3.3 -----	4.7 -----	4.3 -----
KXC2306	3.7 ----	4.3 -----	3.0 ----	4.7 -----	5.0 -----
KXC2311	3.5 -	3.3 -	3.3 -----	4.7 -----	4.3 -----
KXC3123	3.5 --	4.0 ---	2.3 -	4.3 ---	4.3 -----
DF20ZM3E1198	4.2 -----	5.7 -----	2.7 --	5.0 -----	5.3 -----
LG 32257	3.4 -	4.3 -----	2.7 --	4.3 ---	4.3 -----
P8307	3.8 ----	5.0 -----	3.0 ----	4.3 ---	4.3 -----
-Bezugsgrösse(n)	3.6 --	4.5 -----	3.0 ----	4.8 -----	4.0 ---
Versuchs-Mittel	3.8 ----	4.6 -----	3.0 ----	4.8 -----	4.6 -----
VK [%]	19.8	13.9	25.7	9.7	13.6
KGD (5%)	0.5	1.1	ns	0.8	ns
KGD (1%)	0.6	1.4	ns	1.0	ns
Versuchs-Streuung	0.7	0.6	0.8	0.5	0.6
FG Fehlerterm	266.0	38.0	38.0	38.0	38.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33.1	19	3.15 ***	1.63	0.0003
Anbauorte	303.7	6	91.50 ***	2.14	0.0000
WW Verf.*Anb.Orte	67.5	114	1.07 ns	1.29	
Fehler	147.1	266			
Insgesamt	551.4	405			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	3.3 ---	2.3 ---	2.3 ---
Benedictio KWS	3.0 -	3.0 -----	2.3 ---
Dentrico KWS	3.7 -----	2.7 -----	2.7 -----
ES Katamaran	4.0 -----	2.3 ---	2.0 -
SY Telias	3.3 ---	2.7 -----	2.7 -----
DKC 3400	3.7 -----	4.0 -----	3.7 -----
KWS Chiasso	4.3 -----	2.3 ---	2.7 -----
Privat	3.3 ---	2.7 -----	3.0 -----
Qualito	3.7 -----	2.7 -----	3.0 -----
KWS Arturello	4.7 -----	3.0 -----	3.0 -----
P8436	4.0 -----	2.7 -----	3.0 -----
SA1641 (SY Opale)	4.3 -----	3.3 -----	2.0 -
GL187009 (Pilgrim)	4.3 -----	3.0 -----	3.0 -----
RH22001	3.3 ---	3.0 -----	2.7 -----
KXC2306	4.3 -----	2.0 --	2.7 -----
KXC2311	3.7 -----	1.7 -	3.3 -----
KXC3123	3.3 ---	3.0 -----	3.3 -----
DF20ZM3E1198	4.7 -----	3.3 -----	3.0 -----
LG 32257	4.0 -----	2.0 --	2.0 -
P8307	4.3 -----	3.0 -----	2.3 ---
-Bezugsgrösse(n)	3.8 -----	2.5 ----	2.3 ---
Versuchs-Mittel	3.9 -----	2.7 -----	2.7 -----
VK [%]	31.5	19.9	25.7
KGD (5%)	ns	0.9	ns
KGD (1%)	ns	1.2	ns
Versuchs-Streuung	1.2	0.5	0.7
FG Fehlerterm	38.0	38.0	38.0
Anz. Beob.	3.0	3.0	3.0

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	63.5 ---	71.0 -	59.0 -----	61.0 ----	72.0 ---
Benedictio KWS	63.5 ---	72.7 ----	58.3 ----	61.3 -----	71.0 -
Dentrico KWS	63.3 --	73.0 ----	58.0 ---	60.3 ---	71.0 -
ES Katamaran	64.1 ----	72.3 ---	58.7 -----	62.0 -----	73.3 -----
SY Telias	63.5 ---	73.3 -----	57.7 --	60.7 ---	71.7 ---
DKC 3400	64.9 -----	73.3 -----	59.7 -----	63.3 -----	71.7 ---
KWS Chiasso	62.7 -	71.0 -	57.3 -	59.3 -	71.7 ---
Privat	63.2 --	71.7 --	57.3 -	61.3 ----	71.3 --
Qualito	64.7 ----	71.7 --	60.3 -----	62.0 ----	73.3 -----
KWS Arturello	65.1 -----	74.0 -----	59.7 -----	61.7 ----	74.3 -----
P8436	66.1 -----	74.7 -----	60.7 -----	64.0 -----	73.7 -----
SA1641 (SY Opale)	64.7 ----	72.7 ----	59.0 ----	61.7 ----	74.7 -----
GL187009 (Pilgrim)	65.3 -----	74.3 -----	58.7 ----	64.0 -----	73.7 -----
RH22001	64.2 ----	73.0 ----	60.0 -----	61.3 ----	70.7 -
KXC2306	64.5 ----	72.3 ---	59.0 ----	61.7 ----	74.3 -----
KXC2311	63.5 ---	71.7 --	58.7 ----	60.3 ---	71.7 ---
KXC3123	62.5 -	71.3 -	57.3 -	59.3 -	70.7 -
DF20ZM3E1198	66.7 -----	76.3 -----	60.0 -----	64.3 -----	75.7 -----
LG 32257	62.7 -	71.0 -	57.7 --	59.3 -	71.7 ---
P8307	64.1 ----	72.3 ---	59.0 ----	61.3 ----	73.0 ----
-Bezugsgrösse(n)	63.7 ---	72.7 ----	58.3 ----	61.2 ----	72.2 ----
Versuchs-Mittel	64.1 ----	72.7 ----	58.8 ----	61.5 ----	72.6 ----
VK [%]	2.2	1.5	1.2	1.8	3.4
KGD (5%)	1.0	1.8	1.2	1.8	ns
KGD (1%)	1.3	2.4	1.6	2.4	ns
Versuchs-Streuung	1.4	1.1	0.7	1.1	2.5
FG Fehlerterm	189.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	354.7	19	9.43 ***	1.64	0.0000
Anbauorte	15632.1	4	1974.66 ***	2.42	0.0000
WW Verf.*Anb.Orte	133.9	76	0.89 ns	1.36	0.7158
Fehler	374.0	189			
Insgesamt	16494.7	288			

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
RGT Chromixx	54.3	--
Benedictio KWS	54.3	--
Dentrico KWS	54.0	-
ES Katamaran	54.3	--
SY Telias	54.3	--
DKC 3400	56.3	-----
KWS Chiasso	54.0	-
Privat	54.3	--
Qualito	56.3	-----
KWS Arturello	56.0	-----
P8436	57.3	-----
SA1641 (SY Opale)	55.3	----
GL187009 (Pilgrim)	55.7	-----
RH22001	56.0	-----
KXC2306	55.0	----
KXC2311	55.0	----
KXC3123	54.0	-
DF20ZM3E1198	57.0	-----
LG 32257	54.0	-
P8307	54.7	---
-Bezugsgrösse(n)	54.2	-
Versuchs-Mittel	55.1	----
VK [%]	1.6	
KGD (5%)	1.4	
KGD (1%)	1.9	
Versuchs-Streuung	0.9	
FG Fehlerterm	37.0	
Anz. Beob.	3.0	

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	61.7 --	68.3 -	57.0 -----	58.7 ---	71.0 --
Benedictio KWS	62.3 ---	70.7 ----	56.3 ----	59.3 -----	70.7 --
Dentrico KWS	62.0 ---	71.0 -----	56.0 ---	58.7 ---	70.3 -
ES Katamaran	62.4 ---	70.7 ----	56.7 -----	59.7 -----	72.0 ----
SY Telias	61.9 --	71.3 -----	55.7 --	58.7 ---	70.0 -
DKC 3400	63.2 -----	71.3 -----	57.7 -----	60.3 -----	71.7 ---
KWS Chiasso	61.2 -	69.0 --	55.3 -	57.3 -	71.3 ---
Privat	61.6 --	69.7 ---	55.3 -	59.3 -----	70.0 -
Qualito	62.7 ---	70.3 ----	58.0 -----	59.7 ----	71.7 ---
KWS Arturello	63.7 -----	72.0 -----	57.7 -----	59.7 ----	74.3 -----
P8436	64.5 -----	72.7 -----	58.7 -----	62.0 -----	73.7 -----
SA1641 (SY Opale)	62.9 ----	70.7 ----	57.3 -----	59.7 ----	73.3 -----
GL187009 (Pilgrim)	63.8 -----	72.3 -----	56.7 ----	61.3 -----	73.0 ----
RH22001	62.7 ----	71.0 ----	58.0 -----	59.3 ----	70.3 -
KXC2306	63.4 -----	70.7 ----	57.0 -----	59.7 ----	74.7 -----
KXC2311	62.3 ---	70.0 ---	56.7 ----	58.7 ---	71.3 ---
KXC3123	61.1 -	70.0 ---	55.3 -	57.3 -	70.0 -
DF20ZM3E1198	65.6 -----	74.7 -----	58.0 -----	62.3 -----	76.7 -----
LG 32257	61.2 -	68.7 -	55.7 --	57.3 -	71.0 --
P8307	62.5 ----	70.7 ----	57.0 -----	59.3 ----	71.3 ---
-Bezugsgrösse(n)	62.2 ---	70.8 -----	56.3 ----	59.2 ----	71.2 --
Versuchs-Mittel	62.6 ----	70.8 ----	56.8 ----	59.4 ----	71.9 ---
VK [%]	2.2	1.4	1.3	1.7	3.6
KGD (5%)	1.0	1.7	1.2	1.7	ns
KGD (1%)	1.3	2.2	1.6	2.2	ns
Versuchs-Streuung	1.4	1.0	0.7	1.0	2.6
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	379.0	19	10.06 ***	1.64	0.0000
Anbauorte	16035.5	4	2021.10 ***	2.42	0.0000
WW Verf.*Anb.Orte	144.5	76	0.96 ns	1.36	0.5756
Fehler	376.9	190			
Insgesamt	16935.9	289			

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
RGT Chromixx	53.3	--
Benedictio KWS	54.7	-----
Dentrico KWS	54.0	----
ES Katamaran	53.0	-
SY Telias	53.7	---
DKC 3400	55.0	-----
KWS Chiasso	53.0	-
Privat	53.7	---
Qualito	54.0	----
KWS Arturello	54.7	-----
P8436	55.3	-----
SA1641 (SY Opale)	53.7	---
GL187009 (Pilgrim)	55.7	-----
RH22001	55.0	-----
KXC2306	55.0	-----
KXC2311	54.7	-----
KXC3123	53.0	-
DF20ZM3E1198	56.3	-----
LG 32257	53.3	--
P8307	54.0	----
-Bezugsgrösse(n)	53.5	--
Versuchs-Mittel	54.3	----
VK [%]	1.3	
KGD (5%)	1.2	
KGD (1%)	1.6	
Versuchs-Streuung	0.7	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	247.0 -----	216.7 -----	293.3 -----	245.0 ----	223.0 -----
Benedictio KWS	246.2 -----	206.7 -----	291.7 -----	248.3 -----	217.7 -----
Dentrico KWS	228.1 -	190.0 ---	273.3 ----	221.7 -	212.0 -----
ES Katamaran	229.0 --	208.3 -----	276.7 -----	228.3 --	197.7 --
SY Telias	226.1 -	178.3 -	286.7 -----	230.0 --	192.3 -
DKC 3400	230.6 --	213.3 -----	275.0 -----	230.0 --	203.7 ---
KWS Chiasso	228.7 --	183.3 --	286.7 -----	230.0 --	202.0 ---
Privat	232.1 --	201.7 ----	281.7 -----	240.0 ----	197.7 --
Qualito	258.5 -----	228.3 -----	306.7 -----	263.3 -----	223.3 -----
KWS Arturello	225.1 -	203.3 -----	238.3 -	231.7 --	201.3 ---
P8436	231.1 --	191.7 ---	283.3 -----	236.7 ---	198.7 --
SA1641 (SY Opale)	246.5 -----	213.3 -----	295.0 -----	246.7 ----	216.7 -----
GL187009 (Pilgrim)	245.9 -----	215.0 -----	286.7 -----	240.0 ----	227.3 -----
RH22001	263.2 -----	226.7 -----	310.0 -----	275.0 -----	232.0 -----
KXC2306	249.9 -----	218.3 -----	301.7 -----	246.7 ----	205.0 ----
KXC2311	250.5 -----	221.7 -----	300.0 -----	248.3 -----	218.3 -----
KXC3123	241.6 ----	203.3 ----	296.7 -----	240.0 ----	217.0 -----
DF20ZM3E1198	251.1 -----	216.7 -----	301.7 -----	251.7 ----	219.7 -----
LG 32257	247.3 -----	210.0 -----	303.3 -----	250.0 ----	213.7 -----
P8307	225.9 -	186.7 --	283.3 -----	221.7 -	201.3 ---
-Bezugsgrösse(n)	228.6 --	199.2 ----	275.0 -----	225.0 -	204.8 ----
Versuchs-Mittel	240.2 ----	206.7 -----	288.6 -----	241.3 ----	211.0 ----
VK [%]	4.8	6.5	5.4	2.9	5.7
KGD (5%)	8.3	22.2	25.8	11.4	20.0
KGD (1%)	11.0	29.7	34.5	15.3	26.8
Versuchs-Streuung	11.6	13.4	15.6	6.9	12.1
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	39964.2	19	15.67 ***	1.64	0.0000
Anbauorte	269812.0	4	502.65 ***	2.42	0.0000
WW Verf.*Anb.Orte	14702.6	76	1.44 *	1.36	0.0241
Fehler	25496.9	190			
Insgesamt	349975.8	289			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
RGT Chromixx	257.0	-----
Benedictio KWS	266.7	-----
Dentrico KWS	243.7	---
ES Katamaran	234.0	-
SY Telias	243.0	---
DKC 3400	231.0	-
KWS Chiasso	241.7	---
Privat	239.3	--
Qualito	271.0	-----
KWS Arturello	250.7	-----
P8436	245.3	-----
SA1641 (SY Opale)	260.7	-----
GL187009 (Pilgrim)	260.3	-----
RH22001	272.3	-----
KXC2306	277.7	-----
KXC2311	264.3	-----
KXC3123	251.0	-----
DF20ZM3E1198	265.7	-----
LG 32257	259.3	-----
P8307	236.7	--
-Bezugsgrösse(n)	238.8	--
Versuchs-Mittel	253.6	-----
VK [%]	2.9	
KGD (5%)	12.2	
KGD (1%)	16.4	
Versuchs-Streuung	7.4	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	111.7 -----	80.0 ----	140.0 ----	118.3 -----	99.3 -----
Benedictio KWS	108.3 -----	86.7 -----	140.0 ----	101.7 ----	93.3 ----
Dentrico KWS	92.1 -	70.0 -	123.3 -	90.0 --	86.3 ----
ES Katamaran	106.1 ----	93.3 -----	133.3 ---	106.7 ----	94.7 -----
SY Telias	95.5 --	73.3 --	121.7 -	90.0 --	86.0 ----
DKC 3400	103.4 ----	86.7 -----	136.7 ----	105.0 ----	93.7 -----
KWS Chiasso	102.1 ----	80.0 -----	133.3 ---	103.3 ----	85.0 ----
Privat	97.4 --	75.0 ---	125.0 -	95.0 --	88.7 ----
Qualito	104.2 ----	78.3 ----	135.0 ----	110.0 -----	92.0 -----
KWS Arturello	105.0 ----	80.0 -----	130.0 ---	110.0 -----	89.3 ----
P8436	109.2 -----	90.0 -----	138.3 ----	113.3 -----	96.3 -----
SA1641 (SY Opale)	97.5 --	75.0 ---	123.3 -	96.7 --	83.7 ----
GL187009 (Pilgrim)	110.7 -----	83.3 -----	140.0 ----	111.7 -----	102.7 -----
RH22001	109.9 -----	83.3 -----	143.3 -----	116.7 -----	85.3 ----
KXC2306	117.3 -----	95.0 -----	140.0 ----	110.0 -----	106.0 -----
KXC2311	112.1 -----	80.0 ----	140.0 ----	113.3 -----	106.7 -----
KXC3123	97.8 --	76.7 ---	135.0 ----	85.0 -	90.0 ----
DF20ZM3E1198	124.6 -----	90.0 -----	163.3 -----	133.3 -----	109.7 -----
LG 32257	92.5 -	73.3 --	121.7 -	90.0 --	72.7 -
P8307	110.5 -----	93.3 -----	133.3 ---	110.0 -----	95.3 -----
-Bezugsgrösse(n)	99.1 ---	81.7 ----	128.3 --	98.3 ---	90.5 ----
Versuchs-Mittel	105.4 ----	82.2 ----	134.8 ----	105.5 ----	92.8 ----
VK [%]	7.4	11.8	5.5	5.2	9.4
KGD (5%)	5.6	ns	12.2	9.1	14.5
KGD (1%)	7.4	ns	16.3	12.2	19.4
Versuchs-Streuung	7.8	9.7	7.4	5.5	8.7
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	19958.3	19	17.34 ***	1.64	0.0000
Anbauorte	96173.7	4	397.01 ***	2.42	0.0000
WW Verf.*Anb.Orte	7947.7	76	1.73 **	1.36	0.0015
Fehler	11506.7	190			
Insgesamt	135586.3	289			

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	8566	
	Ellighausen TG	
RGT Chromixx	120.7	-----
Benedictio KWS	119.7	-----
Dentrico KWS	91.0	-
ES Katamaran	102.7	---
SY Telias	106.3	----
DKC 3400	95.0	--
KWS Chiasso	109.0	-----
Privat	103.3	---
Qualito	105.7	----
KWS Arturello	115.7	-----
P8436	108.0	----
SA1641 (SY Opale)	109.0	-----
GL187009 (Pilgrim)	115.7	-----
RH22001	120.7	-----
KXC2306	135.3	-----
KXC2311	120.3	-----
KXC3123	102.3	---
DF20ZM3E1198	126.7	-----
LG 32257	105.0	----
P8307	120.7	-----
-Bezugsgrösse(n)	96.8	--
Versuchs-Mittel	111.6	-----
VK [%]	6.2	
KGD (5%)	11.5	
KGD (1%)	15.4	
Versuchs-Streuung	6.9	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	44.9 -----	36.8 --	47.8 -----	48.3 -----	44.5 -----
Benedictio KWS	43.7 -----	41.9 -----	48.0 -----	40.9 ----	42.9 -----
Dentrico KWS	40.1 ---	36.8 --	45.1 ---	40.6 ----	40.8 -----
ES Katamaran	46.3 -----	44.9 -----	48.2 -----	46.7 -----	47.7 -----
SY Telias	42.2 -----	41.0 -----	42.4 --	39.1 ---	44.8 -----
DKC 3400	44.7 -----	40.7 -----	49.7 -----	45.8 -----	46.0 -----
KWS Chiasso	44.5 -----	43.5 -----	46.6 ----	45.0 -----	42.1 -----
Privat	41.9 -----	37.2 --	44.5 ---	39.6 ---	45.1 -----
Qualito	40.1 ---	34.5 -	44.1 ---	41.7 ---	41.3 -----
KWS Arturello	47.0 -----	39.4 ----	57.3 -----	47.5 -----	44.5 -----
P8436	47.3 -----	47.1 -----	48.9 -----	47.9 -----	48.5 -----
SA1641 (SY Opale)	39.3 --	35.1 -	41.8 --	39.2 ---	38.6 ---
GL187009 (Pilgrim)	44.8 -----	38.9 ---	48.9 -----	46.5 -----	45.2 -----
RH22001	41.3 ----	36.7 --	46.3 ----	42.4 ----	36.7 --
KXC2306	47.0 -----	43.5 -----	46.4 ----	44.6 -----	51.6 -----
KXC2311	44.6 -----	36.1 --	46.7 ----	45.7 -----	49.0 -----
KXC3123	40.1 ---	37.6 ---	45.5 ----	35.5 -	41.4 -----
DF20ZM3E1198	49.2 -----	41.4 -----	54.1 -----	53.0 -----	49.9 -----
LG 32257	37.1 -	35.1 -	40.1 -	36.0 -	33.7 -
P8307	49.1 -----	50.0 -----	47.1 -----	49.7 -----	47.6 -----
-Bezugsgrösse(n)	43.2 -----	40.8 -----	46.6 ----	43.7 -----	44.3 -----
Versuchs-Mittel	43.8 -----	39.9 ----	47.0 -----	43.8 -----	44.1 -----
VK [%]	8.1	10.0	10.0	6.1	8.0
KGD (5%)	2.6	6.6	7.7	4.5	5.8
KGD (1%)	3.4	8.8	ns	6.0	7.8
Versuchs-Streuung	3.6	4.0	4.7	2.7	3.5
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3267.1	19	13.53 ***	1.64	0.0000
Anbauorte	1517.0	4	29.83 ***	2.42	0.0000
WW Verf.*Anb.Orte	1676.6	76	1.74 **	1.36	0.0014
Fehler	2415.3	190			
Insgesamt	8876.0	289			

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	8566 Ellighausen TG	
RGT Chromixx	47.0	-----
Benedictio KWS	44.9	-----
Dentrico KWS	37.4	-
ES Katamaran	43.9	-----
SY Telias	43.7	-----
DKC 3400	41.1	---
KWS Chiasso	45.2	-----
Privat	43.1	-----
Qualito	39.0	--
KWS Arturello	46.1	-----
P8436	44.0	-----
SA1641 (SY Opale)	41.8	----
GL187009 (Pilgrim)	44.4	-----
RH22001	44.3	-----
KXC2306	48.8	-----
KXC2311	45.6	-----
KXC3123	40.8	---
DF20ZM3E1198	47.7	-----
LG 32257	40.5	---
P8307	51.0	-----
-Bezugsgrösse(n)	40.6	---
Versuchs-Mittel	44.0	-----
VK [%]	5.7	
KGD (5%)	4.2	
KGD (1%)	5.6	
Versuchs-Streuung	2.5	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Green snapping [%] / Green snapping [%]

Verfahren	Seriemittel	1725 Grangeneuve
RGT Chromixx	0.4 ---	0.4 ---
Benedictio KWS	1.3 -----	1.3 -----
Dentrico KWS	0.0 -	0.0 -
ES Katamaran	0.0 -	0.0 -
SY Telias	0.4 ---	0.4 ---
DKC 3400	0.4 ---	0.4 ---
KWS Chiasso	1.6 -----	1.6 -----
Privat	0.4 ---	0.4 ---
Qualito	0.8 -----	0.8 -----
KWS Arturello	0.0 -	0.0 -
P8436	0.7 -----	0.7 -----
SA1641 (SY Opale)	0.0 -	0.0 -
GL187009 (Pilgrim)	0.4 ---	0.4 ---
RH22001	0.8 -----	0.8 -----
KXC2306	0.4 ---	0.4 ---
KXC2311	0.4 ---	0.4 ---
KXC3123	0.0 -	0.0 -
DF20ZM3E1198	1.2 -----	1.2 -----
LG 32257	0.4 ---	0.4 ---
P8307	0.8 -----	0.8 -----
-Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.5 ----	0.5 ----
VK [%]	193.8	193.8
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.0	1.0
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Verse en végétation [%] / Wurzellagerung Vegetation [%]

Verfahren	Seriemittel	1567 Delley FR	1725 Grangeneuve
RGT Chromixx	0.0 -	0.0 -	0.0 -
Benedictio KWS	8.3 -----	0.0 -	16.7 -----
Dentrico KWS	6.3 -----	0.0 -	12.5 -----
ES Katamaran	0.0 -	0.0 -	0.0 -
SY Telias	0.0 -	0.0 -	0.0 -
DKC 3400	0.0 -	0.0 -	0.0 -
KWS Chiasso	8.3 -----	0.0 -	16.7 -----
Privat	2.1 ---	0.0 -	4.2 ---
Qualito	6.3 -----	0.0 -	12.5 -----
KWS Arturello	0.0 -	0.0 -	0.0 -
P8436	0.0 -	0.0 -	0.0 -
SA1641 (SY Opale)	0.0 -	0.0 -	0.0 -
GL187009 (Pilgrim)	0.0 -	0.0 -	0.0 -
RH22001	2.1 ---	0.0 -	4.2 ---
KXC2306	4.2 -----	0.0 -	8.3 -----
KXC2311	2.1 ---	0.0 -	4.2 ---
KXC3123	4.2 -----	0.0 -	8.3 -----
DF20ZM3E1198	0.0 -	0.0 -	0.0 -
LG 32257	8.3 -----	8.3 -----	8.3 -----
P8307	4.2 -----	0.0 -	8.3 -----
-Bezugsgrösse(n)	3.1 ----	0.0 -	6.3 ----
Versuchs-Mittel	2.8 ----	0.4 -	5.2 ----
VK [%]	207.1	774.6	145.5
KGD (5%)	6.7	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	5.8	3.2	7.6
FG Fehlerterm	76.0	38.0	38.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1160.2	19	1.80 *	1.73	0.0380
Anbauorte	688.8	1	20.31 ***	3.96	0.0001
WW Verf.*Anb.Orte	1003.9	19	1.56 ns	1.73	0.0903
Fehler	2578.1	76			
Insgesamt	5431.0	115			

Verse à la récolte [%] / Wurzellagerung Ernte [%]

Verfahren	Seriemittel	1567 Delley FR
RGT Chromixx	29.4 -----	29.4 -----
Benedictio KWS	31.3 -----	31.3 -----
Dentrico KWS	6.1 --	6.1 --
ES Katamaran	2.5 -	2.5 -
SY Telias	32.3 -----	32.3 -----
DKC 3400	2.0 -	2.0 -
KWS Chiasso	36.9 -----	36.9 -----
Privat	22.1 -----	22.1 -----
Qualito	14.0 ----	14.0 ----
KWS Arturello	0.5 -	0.5 -
P8436	3.5 -	3.5 -
SA1641 (SY Opale)	26.3 -----	26.3 -----
GL187009 (Pilgrim)	12.2 ----	12.2 ----
RH22001	6.6 --	6.6 --
KXC2306	23.2 -----	23.2 -----
KXC2311	11.6 ----	11.6 ----
KXC3123	15.2 ----	15.2 ----
DF20ZM3E1198	25.8 -----	25.8 -----
LG 32257	19.7 -----	19.7 -----
P8307	28.7 -----	28.7 -----
-Bezugsgrösse(n)	4.3 --	4.3 --
Versuchs-Mittel	17.5 ----	17.5 ----
VK [%]	61.2	61.2
KGD (5%)	17.7	17.7
KGD (1%)	23.7	23.7
Versuchs-Streuung	10.7	10.7
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Plantes cassées pendant la végétation [%] / Stängelbruch Vegetation [%]

Verfahren	Seriemittel	8566 Ellighausen TG
RGT Chromixx	7.1 -----	7.1 -----
Benedictio KWS	0.0 -	0.0 -
Dentrico KWS	1.8 --	1.8 --
ES Katamaran	0.0 -	0.0 -
SY Telias	0.0 -	0.0 -
DKC 3400	1.8 --	1.8 --
KWS Chiasso	1.2 --	1.2 --
Privat	0.6 -	0.6 -
Qualito	1.8 --	1.8 --
KWS Arturello	0.0 -	0.0 -
P8436	2.5 ---	2.5 ---
SA1641 (SY Opale)	0.0 -	0.0 -
GL187009 (Pilgrim)	0.0 -	0.0 -
RH22001	2.4 ---	2.4 ---
KXC2306	0.6 -	0.6 -
KXC2311	0.0 -	0.0 -
KXC3123	0.0 -	0.0 -
DF20ZM3E1198	11.1 -----	11.1 -----
LG 32257	2.0 --	2.0 --
P8307	0.0 -	0.0 -
-Bezugsgrösse(n)	0.9 -	0.9 -
Versuchs-Mittel	1.6 --	1.6 --
VK [%]	224.4	224.4
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	3.7	3.7
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Plantes cassées à la récolte [%] / Stängelbruch Ernte [%]

Verfahren	Seriemittel	1567 Delley FR
RGT Chromixx	5.5 --	5.5 --
Benedictio KWS	11.1 ---	11.1 ---
Dentrico KWS	7.6 --	7.6 --
ES Katamaran	13.1 ----	13.1 ----
SY Telias	18.7 -----	18.7 -----
DKC 3400	3.5 -	3.5 -
KWS Chiasso	3.0 -	3.0 -
Privat	19.9 -----	19.9 -----
Qualito	30.2 -----	30.2 -----
KWS Arturello	1.5 -	1.5 -
P8436	5.1 --	5.1 --
SA1641 (SY Opale)	2.5 -	2.5 -
GL187009 (Pilgrim)	6.6 --	6.6 --
RH22001	9.2 ---	9.2 ---
KXC2306	17.2 -----	17.2 -----
KXC2311	32.3 -----	32.3 -----
KXC3123	36.9 -----	36.9 -----
DF20ZM3E1198	10.6 ---	10.6 ---
LG 32257	9.1 ---	9.1 ---
P8307	9.4 ---	9.4 ---
-Bezugsgrösse(n)	10.4 ---	10.4 ---
Versuchs-Mittel	12.6 ----	12.6 ----
VK [%]	91.1	91.1
KGD (5%)	19.1	19.1
KGD (1%)	ns	ns
Versuchs-Streuung	11.5	11.5
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8046 Reckenholz ZH	8566 Ellighausen TG
RGT Chromixx	0.7 -	0.7 --	0.7 -
Benedictio KWS	1.5 -	0.0 -	3.1 --
Dentrico KWS	1.8 --	0.0 -	3.6 --
ES Katamaran	1.2 -	0.0 -	2.3 -
SY Telias	9.5 -----	0.0 -	19.0 -----
DKC 3400	1.2 -	0.6 --	1.8 -
KWS Chiasso	7.2 -----	0.6 --	13.8 -----
Privat	10.7 -----	4.7 -----	16.7 -----
Qualito	0.9 -	0.0 -	1.9 -
KWS Arturello	0.9 -	0.6 --	1.2 -
P8436	1.8 --	0.6 --	3.1 --
SA1641 (SY Opale)	2.7 --	0.0 -	5.3 --
GL187009 (Pilgrim)	10.0 -----	0.0 -	20.0 -----
RH22001	1.5 -	1.8 ----	1.2 -
KXC2306	5.2 ----	1.3 ---	9.0 ----
KXC2311	7.2 -----	0.6 --	13.9 -----
KXC3123	0.6 -	0.0 -	1.2 -
DF20ZM3E1198	5.1 ----	0.6 --	9.7 ----
LG 32257	0.6 -	0.0 -	1.2 -
P8307	13.8 -----	0.6 --	27.0 -----
-Bezugsgrösse(n)	1.5 -	0.0 -	2.9 -
Versuchs-Mittel	4.2 ---	0.6 --	7.8 ---
VK [%]	139.6	153.9	105.9
KGD (5%)	6.7	1.6	13.6
KGD (1%)	8.9	2.1	18.2
Versuchs-Streuung	5.9	1.0	8.2
FG Fehlerterm	76.0	38.0	38.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1929.9	19	2.95 ***	1.73	0.0006
Anbauorte	1532.0	1	44.57 ***	3.96	0.0000
WW Verf.*Anb.Orte	1719.7	19	2.63 **	1.73	0.0015
Fehler	2612.5	76			
Insgesamt	7794.1	115			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1725 Grangeneuve
RGT Chromixx	2.3 --	2.3 --
Benedictio KWS	3.3 -----	3.3 -----
Dentrico KWS	2.3 --	2.3 --
ES Katamaran	2.3 --	2.3 --
SY Telias	2.7 ---	2.7 ---
DKC 3400	3.0 -----	3.0 -----
KWS Chiasso	4.3 -----	4.3 -----
Privat	3.7 -----	3.7 -----
Qualito	3.0 -----	3.0 -----
KWS Arturello	2.3 --	2.3 --
P8436	3.0 -----	3.0 -----
SA1641 (SY Opale)	2.7 ---	2.7 ---
GL187009 (Pilgrim)	2.7 ---	2.7 ---
RH22001	2.0 -	2.0 -
KXC2306	3.0 -----	3.0 -----
KXC2311	3.3 -----	3.3 -----
KXC3123	4.3 -----	4.3 -----
DF20ZM3E1198	3.0 -----	3.0 -----
LG 32257	3.0 -----	3.0 -----
P8307	3.0 -----	3.0 -----
-Bezugsgrösse(n)	2.3 --	2.3 --
Versuchs-Mittel	3.0 -----	3.0 -----
VK [%]	29.7	29.7
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.9	0.9
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	0.5 --	0.0 -	0.4 -	0.9 --	0.6 ---
Benedictio KWS	1.2 -----	0.0 -	2.1 ----	1.3 ---	1.2 -----
Dentrico KWS	1.0 ----	0.0 -	1.2 --	1.4 ---	1.2 -----
ES Katamaran	0.3 -	0.0 -	1.2 --	0.0 -	0.0 -
SY Telias	0.9 ----	0.0 -	1.2 --	1.7 ---	0.6 ---
DKC 3400	0.9 ----	0.7 -----	1.2 --	0.0 -	1.8 -----
KWS Chiasso	0.5 --	0.0 -	0.4 -	1.6 ---	0.0 -
Privat	0.1 -	0.0 -	0.4 -	0.0 -	0.0 -
Qualito	1.9 -----	1.5 -----	4.9 -----	0.0 -	1.2 -----
KWS Arturello	0.1 -	0.0 -	0.4 -	0.0 -	0.0 -
P8436	1.1 -----	0.4 ---	2.7 -----	1.4 ---	0.0 -
SA1641 (SY Opale)	1.5 -----	0.0 -	1.9 ---	1.7 ---	2.3 -----
GL187009 (Pilgrim)	0.1 -	0.0 -	0.4 -	0.0 -	0.0 -
RH22001	2.1 -----	0.0 -	1.6 ---	6.7 -----	0.0 -
KXC2306	1.1 ----	0.0 -	3.2 -----	0.7 --	0.6 ---
KXC2311	2.6 -----	0.0 -	5.9 -----	4.6 -----	0.0 -
KXC3123	1.0 ----	0.0 -	2.0 ----	2.1 ----	0.0 -
DF20ZM3E1198	0.2 -	0.0 -	0.8 -	0.0 -	0.0 -
LG 32257	0.5 --	0.0 -	1.2 --	0.8 --	0.0 -
P8307	0.2 -	0.0 -	0.8 -	0.0 -	0.0 -
-Bezugsgrösse(n)	0.6 ---	0.0 -	1.2 --	0.7 --	0.6 ---
Versuchs-Mittel	0.9 ----	0.1 -	1.7 ---	1.2 --	0.5 ---
VK [%]	198.3	498.7	98.7	220.5	264.6
KGD (5%)	1.4	ns	2.8	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	1.8	0.6	1.7	2.7	1.3
FG Fehlerterm	152.0	38.0	38.0	38.0	38.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	115.0	19	1.95 *	1.66	0.0142
Anbauorte	90.6	3	9.73 ***	2.66	0.0001
WW Verf.*Anb.Orte	213.9	57	1.21 ns	1.41	0.1831
Fehler	472.2	152			
Insgesamt	891.7	231			

Pyrales, plantes touchées [%] / mit Maiszünsler befallene Pflanzen [%]

Verfahren	Seriemittel	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	0.3 ---	0.0 -	0.9 -----	0.0 -
Benedictio KWS	1.4 -----	2.3 -----	2.0 -----	0.0 -
Dentrico KWS	0.6 -----	1.7 -----	0.0 -	0.0 -
ES Katamaran	0.2 --	0.0 -	0.7 ----	0.0 -
SY Telias	0.5 ----	0.6 ---	0.9 ----	0.0 -
DKC 3400	0.2 --	0.6 ---	0.0 -	0.0 -
KWS Chiasso	1.1 -----	1.1 ----	1.6 -----	0.6 -----
Privat	1.2 -----	2.6 -----	1.0 ----	0.0 -
Qualito	0.2 --	0.0 -	0.6 ----	0.0 -
KWS Arturello	0.0 -	0.0 -	0.0 -	0.0 -
P8436	0.0 -	0.0 -	0.0 -	0.0 -
SA1641 (SY Opale)	0.6 ----	1.7 -----	0.0 -	0.0 -
GL187009 (Pilgrim)	0.7 ----	1.3 -----	0.7 ----	0.0 -
RH22001	0.4 ----	0.6 ---	0.8 ----	0.0 -
KXC2306	0.2 --	0.6 ---	0.0 -	0.0 -
KXC2311	1.0 -----	1.7 -----	0.7 ----	0.6 -----
KXC3123	0.6 ----	1.2 -----	0.7 ----	0.0 -
DF20ZM3E1198	0.0 -	0.0 -	0.0 -	0.0 -
LG 32257	0.8 -----	0.6 ---	1.7 -----	0.0 -
P8307	1.0 -----	2.3 -----	0.0 -	0.6 -----
-Bezugsgrösse(n)	0.4 ---	0.9 ----	0.3 --	0.0 -
Versuchs-Mittel	0.6 ----	0.9 ----	0.6 ----	0.1 --
VK [%]	197.1	135.3	213.6	447.9
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	1.1	1.3	1.3	0.4
FG Fehlerterm	114.0	38.0	38.0	38.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	30.4	19	1.35 ns	1.68	0.1654
Anbauorte	22.2	2	9.40 ***	3.07	0.0003
WW Verf.*Anb.Orte	37.3	38	0.83 ns	1.51	0.7414
Fehler	134.8	114			
Insgesamt	224.8	173			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
RGT Chromixx	7.3 -	7.4 -	7.6 ---	7.3 -	7.8 -
Benedictio KWS	8.1 -----	8.5 -----	7.8 -----	8.3 -----	8.9 -----
Dentrico KWS	7.9 -----	7.9 -----	7.8 -----	8.3 -----	8.2 -----
ES Katamaran	8.1 -----	8.6 -----	7.8 -----	8.7 -----	8.7 -----
SY Telias	7.8 -----	8.4 -----	7.8 -----	8.5 -----	8.2 -----
DKC 3400	8.0 -----	8.6 -----	7.8 -----	8.4 -----	8.5 -----
KWS Chiasso	8.1 -----	8.7 -----	7.8 -----	8.5 -----	8.8 -----
Privat	7.5 ---	8.4 -----	7.7 ---	8.0 -----	7.8 -
Qualito	8.2 -----	9.1 -----	7.6 ---	8.4 -----	9.0 -----
KWS Arturello	7.8 -----	8.5 -----	7.8 -----	8.4 -----	8.4 -----
P8436	8.1 -----	8.7 -----	7.8 -----	8.6 -----	8.5 -----
SA1641 (SY Opale)	7.9 -----	8.6 -----	7.8 -----	8.6 -----	8.7 -----
GL187009 (Pilgrim)	7.7 -----	8.2 -----	7.7 -----	8.1 -----	8.3 -----
RH22001	7.7 -----	7.8 ---	7.5 -	8.6 -----	8.3 -----
KXC2306	8.1 -----	8.8 -----	7.8 -----	8.4 -----	8.8 -----
KXC2311	8.3 -----	9.0 -----	7.8 -----	9.0 -----	8.8 -----
KXC3123	8.0 -----	8.9 -----	7.8 -----	8.6 -----	8.5 -----
DF20ZM3E1198	7.7 -----	7.9 ---	7.8 -----	8.4 -----	8.4 -----
LG 32257	7.8 -----	8.5 -----	7.8 -----	8.4 -----	8.4 -----
P8307	7.8 -----	8.0 -----	7.9 -----	8.1 -----	8.3 -----
-Bezugsgrösse(n)	8.0 -----	8.3 -----	7.8 -----	8.5 -----	8.5 -----
Versuchs-Mittel	7.9 -----	8.4 -----	7.8 -----	8.4 -----	8.5 -----
VK [%]	5.7	4.6	1.7	4.3	3.6
KGD (5%)	0.3	0.6	ns	0.6	0.5
KGD (1%)	0.4	0.9	ns	0.8	0.7
Versuchs-Streuung	0.5	0.4	0.1	0.4	0.3
FG Fehlerterm	266.0	38.0	38.0	38.0	38.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	24.1	19	6.23 ***	1.63	0.0000
Anbauorte	200.0	6	163.66 ***	2.14	0.0000
WW Verf.*Anb.Orte	36.1	114	1.55 ns	1.29	
Fehler	54.2	266			
Insgesamt	314.4	405			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	7.3 --	6.1 -----	7.5 -
Benedictio KWS	8.7 -----	6.8 -----	7.9 -----
Dentrico KWS	8.4 -----	6.4 -----	8.1 -----
ES Katamaran	8.0 -----	6.4 -----	8.4 -----
SY Telias	7.8 -----	5.7 ---	8.2 -----
DKC 3400	7.9 -----	7.1 -----	7.9 -----
KWS Chiasso	8.2 -----	6.4 -----	8.1 -----
Privat	7.3 --	5.7 ---	7.6 --
Qualito	8.0 -----	7.5 -----	7.9 -----
KWS Arturello	7.9 -----	5.4 --	8.2 -----
P8436	8.0 -----	7.2 -----	7.9 -----
SA1641 (SY Opale)	8.5 -----	5.0 -	8.2 -----
GL187009 (Pilgrim)	7.1 -	6.7 -----	8.1 -----
RH22001	7.9 -----	5.9 ---	7.9 -----
KXC2306	7.9 -----	6.7 -----	8.1 -----
KXC2311	8.4 -----	6.6 -----	8.3 -----
KXC3123	7.8 -----	6.7 -----	8.0 -----
DF20ZM3E1198	7.4 ---	5.8 ---	7.8 ---
LG 32257	7.4 ---	6.1 -----	7.6 --
P8307	8.4 -----	6.2 -----	7.9 -----
-Bezugsgrösse(n)	8.2 -----	6.4 -----	8.3 -----
Versuchs-Mittel	7.9 -----	6.3 -----	8.0 -----
VK [%]	7.5	12.4	3.3
KGD (5%)	ns	1.3	0.4
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.6	0.8	0.3
FG Fehlerterm	38.0	38.0	38.0
Anz. Beob.	3.0	3.0	3.0

Rendement grain (14% H₂O) [dt/ha] / Kornertrag (14% H₂O) [dt/ha]

Verfahren	Seriemittel	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	140.5 ---	91.3 -----	162.6 -----	139.7 ----	139.7 ---
Benedictio KWS	136.9 -	87.9 ----	154.8 --	129.9 -	141.5 ---
Dentrico KWS	144.9 ----	93.9 -----	175.0 -----	146.3 -----	145.7 -----
ES Katamaran	142.6 ---	81.2 --	168.9 -----	142.0 -----	140.7 ---
SY Telias	138.8 --	78.0 -	172.6 -----	137.6 ---	134.0 -
DKC 3400	141.4 ---	87.4 ----	171.8 -----	142.7 -----	144.5 ----
KWS Chiasso	137.4 -	87.9 ----	159.2 ----	133.4 --	131.9 -
Privat	143.4 ----	95.9 -----	179.4 -----	144.1 -----	135.7 --
Qualito	143.7 ----	91.0 -----	150.5 -	134.4 --	146.6 -----
KWS Arturello	154.8 -----	94.2 -----	177.9 -----	152.1 -----	150.2 -----
P8436	155.1 -----	103.8 -----	165.8 -----	157.7 -----	155.3 -----
SA1641 (SY Opale)	147.2 ----	96.4 -----	169.3 -----	145.4 -----	141.6 ---
GL187009 (Pilgrim)	158.8 -----	100.9 -----	177.8 -----	146.0 -----	166.6 -----
RH22001	140.6 ---	82.7 --	167.3 -----	141.1 -----	136.6 --
KXC2306	145.1 ----	87.3 ----	173.3 -----	135.7 ---	142.9 ----
KXC2311	147.0 ----	92.5 -----	174.6 -----	139.9 ----	142.5 ----
KXC3123	141.8 ---	85.0 ---	162.1 -----	137.8 ---	144.2 ----
DF20ZM3E1198	138.7 --	89.4 ----	159.0 ---	138.9 ---	144.2 ----
LG 32257	147.1 ----	91.8 -----	174.9 -----	141.5 ----	144.8 ----
P8307	136.2 -	83.5 ---	154.7 --	144.6 -----	136.9 --
-Bezugsgrösse(n)	143.8 ----	87.6 ----	172.0 -----	144.2 -----	143.2 ----
Versuchs-Mittel	144.1 ----	90.1 -----	167.6 -----	141.5 -----	143.3 ----
VK [%]	5.7	7.4	6.4	5.5	4.7
KGD (5%)	5.4	11.0	17.7	12.8	11.2
KGD (1%)	7.1	14.8	ns	ns	15.0
Versuchs-Streuung	8.1	6.7	10.7	7.7	6.8
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13301.4	19	10.55 ***	1.63	0.0000
Anbauorte	265004.7	5	798.80 ***	2.26	0.0000
WW Verf.*Anb.Orte	10635.5	95	1.69 ns	1.32	
Fehler	15128.0	228			
Insgesamt	304069.6	347			

Rendement grain (14% H₂O) [dt/ha] / Kornertrag (14% H₂O) [dt/ha]

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	145.4 ----	164.4 --
Benedictio KWS	138.1 --	169.0 ---
Dentrico KWS	138.8 ---	169.6 ---
ES Katamaran	155.4 -----	167.5 ---
SY Telias	139.4 ---	171.3 ----
DKC 3400	140.9 ---	160.7 -
KWS Chiasso	142.8 ----	169.2 ---
Privat	130.6 -	175.0 ----
Qualito	157.3 -----	182.4 -----
KWS Arturello	160.2 -----	194.3 -----
P8436	161.8 -----	186.1 -----
SA1641 (SY Opale)	147.0 ----	183.5 -----
GL187009 (Pilgrim)	170.3 -----	191.5 -----
RH22001	142.4 ---	173.9 ----
KXC2306	147.3 ----	183.8 -----
KXC2311	154.1 -----	178.3 ----
KXC3123	149.9 ----	171.6 ----
DF20ZM3E1198	140.1 ---	160.4 -
LG 32257	155.2 -----	174.4 ----
P8307	131.8 -	165.4 --
-Bezugsgrösse(n)	147.1 ----	168.5 ---
Versuchs-Mittel	147.4 ----	174.6 ----
VK [%]	5.1	5.1
KGD (5%)	12.4	14.6
KGD (1%)	16.6	19.5
Versuchs-Streuung	7.5	8.8
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
RGT Chromixx	98.3 ---	104.2 -----	94.6 -----	96.9 ----	97.6 ---
Benedictio KWS	95.6 -	100.3 ----	90.0 --	90.1 -	98.8 ---
Dentrico KWS	101.2 -----	107.3 -----	101.8 -----	101.5 -----	101.8 -----
ES Katamaran	98.8 ---	92.7 --	98.2 -----	98.5 -----	98.2 ---
SY Telias	95.8 -	89.0 -	100.4 -----	95.4 ---	93.5 -
DKC 3400	98.5 ---	99.8 ----	99.9 -----	99.0 ----	100.9 ----
KWS Chiasso	95.9 -	100.4 ----	92.6 ----	92.5 --	92.1 -
Privat	100.2 ----	109.5 -----	104.3 -----	100.0 -----	94.7 --
Qualito	100.4 ----	103.9 -----	87.5 -	93.2 --	102.3 -----
KWS Arturello	107.6 -----	107.6 -----	103.5 -----	105.5 -----	104.9 -----
P8436	108.9 -----	118.5 -----	96.4 ----	109.4 -----	108.4 -----
SA1641 (SY Opale)	102.8 -----	110.0 -----	98.5 -----	100.8 -----	98.9 ---
GL187009 (Pilgrim)	110.9 -----	115.1 -----	103.4 -----	101.3 -----	116.3 -----
RH22001	97.5 --	94.4 --	97.3 ----	97.9 ----	95.4 --
KXC2306	100.6 ----	99.6 ----	100.8 -----	94.2 ---	99.8 ----
KXC2311	102.4 -----	105.6 -----	101.5 -----	97.0 ----	99.5 ----
KXC3123	98.5 ---	97.1 ---	94.3 ----	95.6 ---	100.7 ----
DF20ZM3E1198	97.0 --	102.1 -----	92.5 ---	96.4 ---	100.7 ----
LG 32257	102.5 -----	104.8 -----	101.7 -----	98.2 ----	101.1 ----
P8307	94.8 -	95.4 ---	89.9 --	100.3 -----	95.6 --
-Bezugsgrösse(n)	100.0 ----	100.0 ----	100.0 -----	100.0 -----	100.0 ----
Versuchs-Mittel	100.4 ----	102.9 -----	97.5 -----	98.2 ----	100.1 ----
VK [%]	5.8	7.4	6.4	5.5	4.7
KGD (5%)	3.8	12.6	10.3	8.8	7.8
KGD (1%)	5.0	16.9	ns	ns	10.5
Versuchs-Streuung	5.8	7.6	6.2	5.4	4.7
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6828.1	19	10.72 ***	1.63	0.0000
Anbauorte	1810.7	5	10.80 ***	2.26	0.0000
WW Verf.*Anb.Orte	5252.2	95	1.65 ns	1.32	
Fehler	7644.1	228			
Insgesamt	21535.1	347			

Rendement relatif [%] / Relativertrag [%]

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	98.8 ----	97.5 --
Benedictio KWS	93.8 --	100.3 ---
Dentrico KWS	94.3 ---	100.6 ---
ES Katamaran	105.7 -----	99.4 ---
SY Telias	94.7 ---	101.7 ----
DKC 3400	95.8 ---	95.4 -
KWS Chiasso	97.0 ----	100.4 ---
Privat	88.8 -	103.8 ----
Qualito	106.9 -----	108.2 -----
KWS Arturello	108.9 -----	115.3 -----
P8436	110.0 -----	110.5 -----
SA1641 (SY Opale)	99.9 ----	108.9 -----
GL187009 (Pilgrim)	115.8 -----	113.6 -----
RH22001	96.8 ----	103.2 ----
KXC2306	100.1 ----	109.1 -----
KXC2311	104.7 -----	105.8 ----
KXC3123	101.9 ----	101.8 ----
DF20ZM3E1198	95.2 ---	95.2 -
LG 32257	105.5 -----	103.5 ----
P8307	89.6 -	98.2 --
-Bezugsgrösse(n)	100.0 ----	100.0 ---
Versuchs-Mittel	100.2 ----	103.6 ----
VK [%]	5.1	5.1
KGD (5%)	8.4	8.7
KGD (1%)	11.3	11.6
Versuchs-Streuung	5.1	5.2
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Précocité [% MS] / Fröheife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
RGT Chromixx	78.8	88.7	79.0	73.4	79.3
Benedictio KWS	79.6	88.1	78.6	75.6	78.6
Dentrico KWS	81.0	88.8	79.7	77.5	80.3
ES Katamaran	80.9	89.0	80.6	76.8	80.5
SY Telias	78.7	88.3	77.1	74.3	77.8
DKC 3400	80.0	88.9	78.4	76.5	79.4
KWS Chiasso	80.9	88.4	79.5	77.3	78.6
Privat	77.6	88.0	76.7	73.0	75.4
Qualito	77.4	88.3	76.8	71.4	77.3
KWS Arturello	79.3	88.6	79.1	73.5	79.1
P8436	79.7	88.5	79.5	75.0	79.4
SA1641 (SY Opale)	78.0	88.3	75.7	74.8	77.6
GL187009 (Pilgrim)	76.2	88.3	76.7	70.7	74.1
RH22001	77.7	88.3	79.0	71.2	77.8
KXC2306	80.0	88.7	78.8	74.8	77.9
KXC2311	80.1	88.6	78.7	75.2	78.8
KXC3123	80.6	88.3	79.8	76.3	78.4
DF20ZM3E1198	79.6	88.5	79.4	76.0	79.1
LG 32257	78.3	88.0	78.2	73.0	77.0
P8307	82.5	88.5	80.7	79.9	80.9
-Bezugsgrösse(n)	81.0	88.9	80.2	77.2	80.4
Versuchs-Mittel	79.4	88.5	78.6	74.8	78.4
VK [%]	1.2	0.3	0.7	2.0	0.6
KGD (5%)	0.6	0.4	0.9	2.4	0.7
KGD (1%)	0.8	0.5	1.2	3.2	1.0
Versuchs-Streuung	1.0	0.2	0.5	1.5	0.5
FG Fehlerterm	266.0	38.0	38.0	38.0	38.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	910.8	19	50.94 ***	1.63	0.0000
Anbauorte	6597.9	6	1168.52 ***	2.14	0.0000
WW Verf.*Anb.Orte	451.2	114	4.21 ***	1.29	0.0000
Fehler	250.3	266			
Insgesamt	8210.2	405			

Précocité [% MS] / Fröheife [% TS]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Chromixx	78.1 ----	77.5 --	75.4 ----
Benedictio KWS	79.7 -----	79.6 -----	77.2 -----
Dentrico KWS	81.3 -----	80.5 -----	79.2 -----
ES Katamaran	80.7 -----	80.5 -----	78.0 -----
SY Telias	78.8 -----	77.2 -	77.6 -----
DKC 3400	81.6 -----	78.3 ---	76.8 ----
KWS Chiasso	82.0 -----	81.0 -----	79.5 -----
Privat	77.4 ----	77.9 ---	75.0 ---
Qualito	76.3 ---	76.8 -	74.9 ---
KWS Arturello	78.3 -----	79.4 -----	77.0 ----
P8436	79.4 -----	79.9 -----	76.4 ----
SA1641 (SY Opale)	76.5 ---	77.2 -	75.7 ----
GL187009 (Pilgrim)	73.1 -	78.4 ----	72.4 -
RH22001	76.1 ----	77.4 --	73.8 --
KXC2306	80.0 -----	80.4 -----	79.3 -----
KXC2311	80.4 -----	80.7 -----	78.4 -----
KXC3123	81.7 -----	81.0 -----	78.7 -----
DF20ZM3E1198	77.3 ----	77.9 ---	78.8 -----
LG 32257	77.4 ----	77.9 ---	76.7 ----
P8307	83.5 -----	82.0 -----	81.9 -----
-Bezugsgrösse(n)	81.0 -----	80.5 -----	78.6 -----
Versuchs-Mittel	79.0 ----	79.1 ----	77.1 ----
VK [%]	2.0	1.2	0.9
KGD (5%)	2.6	1.6	1.1
KGD (1%)	3.5	2.1	1.5
Versuchs-Streuung	1.6	1.0	0.7
FG Fehlerterm	38.0	38.0	38.0
Anz. Beob.	3.0	3.0	3.0

4.3 Serie mittelspät / Série mi-tardive

4.3.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	27.04.2023	09.10.2023 †
1567	Delley (Avenches)	432	04.05.2023	30.10.2023
1896	Vouvry	404	23.05.2023	23.11.2023
3065	Habstetten	680	20.05.2023	24.11.2023
8046	Reckenholz	440	06.05.2023	12.10.2023 †
8194	Hüntwangen	384	22.05.2023	08.11.2023
8566	Ellighausen	503	26.05.2023	01.11.2023
9465	Salez	445	31.05.2023	Nicht geerntet / pas récolté *

† Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement pas prises en compte pour les mises en valeur.

* Keine Daten für Auswertung berücksichtigt / Aucune donnée prise en compte pour l'évaluation.

4.3.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
RGT Planoxx	RH13048	SC	RAGT 2n	Fenaco, Moudon	KM21/S	
Kidemos KWS	KXB6331	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/S	
P8834	X90M326	SC	Pioneer	Pioneer, Versoix	KM21+KM31/S	
SY Fregat	SB1497	SC	Syngenta, CH	Syngenta, Stein	KM21/S	
DKC 3595	ES3595	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM21/S	
LG 31272	LZM 267/54	SC	Limagrain, Europe	Fenaco, Moudon	KM31/S	SM11/S
Akanto	X85P736	SC	DSV, D	Fenaco, Moudon	KM21/e2	
SY Granaris	SC3360	SC	Syngenta, CH	Syngenta, Stein	KM21/e2	SM21/e2
RGT Alpixx	RH21035	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e1	
P8902	1090A299-01	SC	Pioneer	Pioneer, Versoix	KM21/e1	SM11/e1
Majorque		SC	RWA AG Wien	?	KM21/e1	
Gloriett		SC	RWA AG Wien	?	KM31/e1	
Orinoco		SC	RWA AG Wien	?	KM31/e1	
	KXC1366	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
SY Bradford	SA2080	SC	Syngenta, CH	Syngenta, Stein	KM21+31/e1	SM21/e1
	SC3211	SC	Syngenta, CH	Syngenta, Stein	KM21+31/e1	SM21/e1
Bone	SG 111	SC	Saaten Union GmbH, D	Hauenstein, Rafz	KM21/e1	SM21/e1
P9903	X00C209	SC	Pioneer	Pioneer, Versoix	KM41/S	
P0725	X8K803	SC	Pioneer	Pioneer, Versoix	KM42/S	
P9610	X95M764	SC	Pioneer	Pioneer, Versoix	FS	
KWS Antonio	KXB 8357		KWS, Einbeck		FS	
Kabanero			Saaten Union GmbH, D		FS	
Mendy	ESZ9402	SC	Saaten Union GmbH, D	Hauenstein, Rafz	FS	
LID4040C	LID4040C		Lidea, Norderstedt		FS	

4.3.3 Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales

Technische Versuchsangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Avenches (434 m ü.M.)	Vouvry (404 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern / Oberglatt (384 m ü.M.)	Hünwangen (384 m ü.M.)	Elighausen (503 m ü.M.)	Salez (445 m ü.M.)	
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Limono sableux (argile 22% - MO 2% - pH 8,0)	Sandiger Lehm pH 6,4	Fahlgley	Parabraunerde	Braunerde	Fluvisol	
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte seeding - harvest):	325 mm (Météostation Changins) 227,2 °C (Météostation Changins) Irrigation: 20.06.2023: 30mm / 03.07.2023: 30mm	431,8 mm (selon Agrométéo, station P2) 2307,2 °C (selon Agrométéo, station Praz, seul 6 °C)	555 mm (selon Agrométéo, station Agly) 2086 °C (selon Agrométéo, station Agly)	666 mm (Météostation Ziziwil) 1844 °C (Météostation Ziziwil) (Rechenmoiz)	434,4 mm (Météostation Reckenmoiz) 2026,19 °C (Météostation Reckenmoiz)	440,3 mm (Météostation Steinmaur) 2026,3 °C (Météostation Steinmaur)	388,1 mm (Météostation Elighausen) 1877,7 °C (Météostation Elighausen)	- mm (Météostation Salez) - °C (Météostation Salez)	
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengröße / grandeur d'une parcelle / plot size:	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	Semis: 17 m2 per single plot (Brut, avec chemin, d'environ 1,1 m), 14,4 m2 net, 4 rangs Récolte: 8,3 m2 per single plot (Brut, avec chemin), 7,2 m2 net, 2 rangs au milieu	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0,8m Weg), 6,3 m2 netto	
Vorfurch / précédent cultural / previous crop:	blé automne + engrais vert	Colza, engrais vert sans légumineuses	Kartoffel / pommes de terre	orge	Soja	Zuckerrüben / sugar beet	Wintergerste / Gründüngung UFA Lepha	Pralie temporaire / Kunstwiese / temporary grassland	
Bodenbearbeitung / travail du sol / soil cultivation:	cultivateur pattes d'oie 02.03.2023 vibroculteur 23.03.2023 Herse rotative 26.04.2023	02.12.2022: Labour 04.05.2023: Herse rotative	Chisel 03.05.2023, Herse rotative 23.05.2023	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow 26.04.2023 et 05.05.2023	11.02.23 Pflug, 06.05.23 Kreiselegge	20.05.23 Federzinkenegge, 21.05.23 Federzinkenegge	05.04.23 Pflug, 11.05.23 Kreiselegge	30.05.23 Spaten (Mans)	
Saat / date de semis / sowing date:	27.04.2023 (jour 117)	04.05.2023 (jour 124)	23.05.2023 (jour 143)	20.05.2023 (jour 140)	06.05.2023	22.05.2023	26.05.2023	31.05.2023	nicht geerntet / pas récolté / not harvested
Ernte / date de récolte / harvest date:	09.10.2023 (jour 282)	30.10.2023 (jour 303)	23.11.2023 (jour 327)	24.11.2023 (jour 328)	12.10.2023	08.11.2023	01.11.2023	01.11.2023	
Saatdichte / densité de semis / sowing density:	9 Körner / grains pro m2	Semis: 10,9 grains / m2, éclairci à 8,7 plantes/m2	9 Körner / grains pro m2	9 Körner / grains pro m2	9 Körner / grains pro m2	9 Körner / grains pro m2	9 Körner / grains pro m2	9,5 Körner / grains pro m2	
Vegetationsdauer / durée de végétation / growing period	165 Tage / jours / days	179 Tage / jours / days	184 Tage / jours / days	188 Tage / jours / days	159 Tage / jours / days	170 Tage / jours / days	157 Tage / jours / days	- Tage / jours / days	
Reihenabstand / interfilges / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	16.06.23 hacken gekoppelt mit Düngung	-	-	24.07.23 Hand jäten	
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	30.05.2023: Stomp Aqua 2 / l/ha Banvel 0,5 l/ha Monsoon 2 / l/ha	26.05.2023: Banvel AS 0,36 l/ha + Callisto 1,78 l/ha + Spectrum 2,5 l/ha + Monsoon 2,7 l/ha	09.06.2023: Callisto 1 l/ha Spectrum 1,4 l/ha Monsoon 1 l/ha	06.06.2023: Callisto 1,1 l/ha Equip Power 1,2 l/ha	22.05.23 Equip 0,5 l/ha + Spectrum 0,7 l/ha + Mesostar 0,5 l/ha + Stomp Aqua 1,4 l/ha	24.06.23 Equip Power 1,5 l/ha	08.06.23 Aspect 1,5 l/ha + Laudis 2 l/ha	04.07.23 Equip Power 1,5 l/ha	
Gründüngung / fumure de base / basic fertilisation:	08.08.2022 40 m3 Liser bovins 5, 10-20 - 20 kg N 40 kg P2O5 80 kg K2O	28.11.2022: Potasse 0,060 (444 kg/ha, 0 U/ha N, 0 U/ha P, 266 U/ha K) 02.05.2023: 52 kg N/ha, 36 kg P2O5/ha, 64 kg K2O/ha	22.04.23: Grauphus 17 %; 300 kg/ha = 51 kg P/ha, Kall 60 %; 150 kg/ha = 90 kg K/ha	22.04.23: Grauphus 17 %; 300 kg/ha = 51 kg P/ha, Kall 60 %; 150 kg/ha = 90 kg K/ha	11.02.23 Stapelmist 48m3/ha (43,2kg N/ha)	04.05.23 Presswasser 25m3/ha (79-02,04,23 Rindergülle 1,2 30m3/ha (64,3kg N/ha)	07.03.23 Schweingülle 15m3/ha (9kg N/ha - Richtig), 09.06.23 Kungülle 14m3/ha (60,2kg N/ha - Richtig)	07.03.23 Schweingülle 15m3/ha (9kg N/ha - Richtig), 09.06.23 Kungülle 14m3/ha (60,2kg N/ha - Richtig)	
N-Düngung / fumure N / N fertilisation:	26.04.2023 : 260 l/ha N liquide 300,0,0 : 109 N	03.05.2023: Uree 46,0,0 (113 kg/ha, 144 U/ha N)	400 kg/ha (Eneec 26%), 02.05.2023 104 kg N/ha	23.05.23 : 50 kg N/ha (Harnstoff 46%), 19.06.23: 53 kg N/ha (Harnstoff 46%) = 46,3 N	22.05.23 Mg-Ammonsalpeter 25%N + S 200kg/ha (48kg N/ha), 16.06.23 Harnstoff 46% 100kg/ha (46kg N/ha)	20.05.23 Harnstoff 46%, 200kg/ha (92kg N/ha)	10.06.23 Harnstoff 120kg/ha (54kg N/ha), 10.06.23 Harnstoff 100kg (46kg N/ha)	-	nicht geerntet / pas récolté / not harvested
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-	-	
Ernte / Récolte / harvest:	Baural Mähdröschler / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Hadrup C65	Baural Mähdröschler / moissonneuse-batteuse / direct combine harvesting	Baural Mähdröschler / moissonneuse-batteuse / direct combine harvesting	Wintersteiger Delta Mähdröschler / moissonneuse-batteuse / direct combine harvesting				

4.3.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager Vegetation	Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
P8834	S	2.27	-2.60	0.09		0.00	0.00	-0.29	0.72	0.19
SY Fregat	S	-2.27	2.60	-0.09		0.00	0.00	0.29	-0.72	-0.19
Akanto	e2	-3.31	0.10	0.07		0.00	0.00	0.31	0.69	-2.14
P8902	e1	0.53	-4.60	-0.04		0.00	-0.09	0.07	0.61	-3.53
Kabanero	FS	-1.01	-3.14	0.00		0.00	-0.17	-0.29	0.58	-4.03
P9610	FS	0.76	-6.08	-0.06		-0.14	0.00	0.32	0.72	-4.48
P9903	FS	4.16	-9.86	-0.06		0.00	0.00	0.25	0.72	-4.80
Kidemos KWS	S	-5.24	-0.84	0.10		0.00	0.00	0.25	0.42	-5.31
Mendy	FS	2.79	-8.77	0.09		0.00	0.00	0.21	0.37	-5.32
Majorque	e1	-2.94	-4.38	0.00		0.00	0.00	0.37	0.69	-6.27
LID4040C	FS	2.19	-10.18	0.15		0.00	-0.17	0.26	0.72	-7.02
RGT Alpixx	e1	-4.80	-3.67	0.21		0.00	0.00	0.38	0.76	-7.11
Orinoco	e1	0.80	-9.12	0.03		0.00	0.00	0.38	0.20	-7.71
DKC 3595	S	-8.58	0.81	-0.06		0.00	-0.42	0.37	0.06	-7.82
SY Granaris	e2	-5.26	-3.85	0.04		0.00	0.00	0.32	0.58	-8.16
RGT Planoxx	S	-7.23	-2.15	0.11		0.00	0.00	0.27	0.72	-8.28
Gloriett	e1	2.32	-11.72	0.04		-0.17	0.00	0.32	0.69	-8.51
LG 31272	S	-8.57	-2.61	0.35		-0.07	-0.10	0.34	0.63	-10.03
SC3211	e1	0.92	-12.61	-0.18		0.00	0.00	0.33	0.63	-10.91
P0725	FS	7.60	-19.63	0.10		0.00	0.00	0.13	0.76	-11.03
KWS Antonio	FS	-3.04	-8.64	0.03		0.00	-0.42	0.13	0.62	-11.31
KXC1366	e1	-2.59	-9.45	-0.14		0.00	0.00	0.33	0.52	-11.32
SY Bradford	e1	-7.21	-7.79	0.48		-0.30	-0.17	0.02	0.76	-14.20
Bone	e1	-9.99	-7.82	0.23		0.00	-0.19	0.29	0.20	-17.28
Bezugsgrößen		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		14	20	20		5	5	15	6	
Anzahl Orte		5	7	7		2	2	5	2	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

4.3.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %	Stängel fäule %
RGT Planoxx	3.7	67.7	66.3	246.1	112.3	45.4	0.0	0.0	0.6
Kidemos KWS	3.7	66.5	64.9	234.0	95.2	40.2	0.0	0.0	4.8
P8834	3.7	67.9	66.6	243.8	128.9	52.8	0.0	0.0	0.6
SY Fregat	4.1	68.4	66.9	248.5	111.1	44.5	0.0	0.0	20.8
DKC 3595	4.0	68.0	66.5	236.5	116.1	49.0	0.0	2.0	9.8
LG 31272	3.2	64.8	63.4	251.8	118.1	46.7	0.3	0.5	1.9
Akanto	3.8	68.1	66.6	243.9	110.1	45.1	0.0	0.0	1.0
SY Granaris	3.8	68.6	67.6	244.5	120.0	48.8	0.0	0.0	2.5
RGT Alpixx	3.5	65.3	63.6	235.6	114.1	48.2	0.0	0.0	0.0
P8902	4.0	68.6	67.2	245.7	119.4	49.1	0.0	0.4	2.2
Majorque	3.9	68.0	66.9	245.1	125.5	51.1	0.0	0.0	1.0
Gloriett	3.8	68.2	67.5	235.7	105.7	44.8	0.8	0.0	1.0
Orinoco	3.9	68.6	67.4	245.7	112.7	45.9	0.0	0.0	7.9
KXC1366	4.2	67.6	66.2	228.8	114.3	49.6	0.0	0.0	3.4
SY Bradford	3.0	64.7	63.1	245.9	119.7	48.6	1.4	0.8	0.0
SC3211	4.3	72.3	70.9	251.2	117.3	46.5	0.0	0.0	1.9
Bone	3.5	64.9	63.3	231.0	103.6	44.7	0.0	0.9	7.9
P9903	4.0	70.3	69.1	238.8	103.1	43.1	0.0	0.0	0.6
P0725	3.7	73.9	72.9	271.8	138.9	50.8	0.0	0.0	0.0
P9610	4.0	69.5	68.2	253.3	113.5	44.6	0.6	0.0	0.6
KWS Antonio	3.9	67.7	65.9	245.2	111.7	45.4	0.0	2.0	2.0
Kabanero	3.9	70.4	69.4	253.9	130.9	51.3	0.0	0.8	2.6
Mendy	3.7	70.9	69.5	262.0	132.4	50.4	0.0	0.0	5.6
LID4040C	3.6	69.9	67.8	262.3	128.4	48.7	0.0	0.8	0.6
Bezugsgrösse(n)	3.9	68.2	66.7	246.1	120.0	48.6	0.0	0.0	10.7
Versuchs-Mittel	3.8	68.4	67.0	245.9	116.8	47.3	0.1	0.3	3.3
VK [%]	17.4	1.6	1.7	4.4	8.1	8.2	576.4	367.8	151.6
KGD (5%)	0.4	0.8	0.8	7.7	6.8	2.8			5.8
KGD (1%)	0.5	1.0	1.1	10.2	9.0	3.7			7.6
Versuchs-Streuung	0.7	1.1	1.2	10.7	9.5	3.9	0.8	1.2	5.0
FG Fehlerterm	292.0	224.0	223.0	226.0	227.0	227.0	66.0	68.0	88.0
Anz. Beob.	20.0	15.0	15.0	15.0	15.0	15.0	5.0	5.0	6.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	5.0	2.0	2.0	2.0
Minimum	3.0	64.7	63.1	228.8	95.2	40.2	0.0	0.0	0.0
Maximum	4.3	73.9	72.9	271.8	138.9	52.8	1.4	2.0	20.8

Sorten Bezeichnung	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Mais- zünsler %	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
RGT Planoxx	4.0	0.6	1.1	7.4	142.8	89.8	79.4
Kidemos KWS	4.0	0.7	0.7	7.2	147.3	92.8	79.9
P8834	3.0	3.8	0.2	7.5	164.0	103.5	79.2
SY Fregat	5.0	0.5	1.3	7.5	153.9	96.5	81.3
DKC 3595	4.7	0.1	0.0	7.7	139.8	87.7	80.5
LG 31272	4.3	0.2	0.0	7.4	139.8	88.4	79.2
Akanto	3.3	0.4	0.0	7.1	151.6	94.2	80.3
SY Granaris	4.0	0.3	0.7	7.6	147.2	91.6	78.7
RGT Alpixx	4.3	0.0	0.5	7.7	148.2	93.0	78.8
P8902	3.7	1.7	1.2	7.5	160.1	101.4	78.4
Majorque	4.0	0.1	0.0	7.6	152.4	95.7	78.5
Gloriett	2.7	0.3	0.9	7.2	164.1	104.1	75.5
Orinoco	3.7	0.0	0.7	7.8	160.7	101.4	76.6
KXC1366	3.7	0.3	1.0	7.5	153.2	96.0	76.4
SY Bradford	4.7	2.0	0.0	7.3	142.9	88.6	77.1
SC3211	3.3	0.3	1.1	7.7	161.0	101.9	75.2
Bone	4.0	0.5	0.2	7.3	136.7	84.8	77.1
P9903	3.0	0.7	0.2	7.5	168.2	106.0	76.3
P0725	2.7	1.4	0.4	7.7	175.8	111.5	72.4
P9610	3.7	0.3	0.6	7.5	160.6	100.6	77.8
KWS Antonio	3.7	1.4	0.0	7.2	152.2	95.6	76.8
Kabanero	4.0	3.7	0.0	7.6	156.7	98.2	79.0
Mendy	3.0	1.0	0.5	7.4	165.1	103.0	76.7
LID4040C	2.7	0.7	0.0	7.5	163.8	101.7	76.1
Bezugsgrösse(n)	4.0	2.1	0.7	7.5	158.9	100.0	80.2
Versuchs-Mittel	3.7	0.9	0.5	7.5	154.5	97.0	77.8
VK [%]	17.0	171.1	288.6	5.8	6.6	6.8	1.4
KGD (5%)	1.0	1.1		0.3	7.6	4.9	0.7
KGD (1%)	1.4	1.4		0.4	10.0	6.5	0.9
Versuchs-Streuung	0.6	1.5	1.4	0.4	10.2	6.6	1.1
FG Fehlerterm	46.0	226.0	138.0	293.0	205.0	205.0	295.0
Anz. Beob.	3.0	15.0	9.0	20.0	14.0	14.0	20.0
Anz. Orte	1.0	5.0	3.0	7.0	5.0	5.0	7.0
Minimum	2.7	0.0	0.0	7.1	136.7	84.8	72.4
Maximum	5.0	3.8	1.3	7.8	175.8	111.5	81.3

4.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
RGT Planoxx	3.7 -----	5.0 -----	3.5 -----	4.3 -----	4.7 -----
Kidemos KWS	3.7 -----	4.3 -	4.0 -----	4.0 -----	4.3 ---
P8834	3.7 -----	4.3 -	3.5 -----	4.3 -----	4.0 -
SY Fregat	4.1 -----	5.3 -----	3.0 -	5.0 -----	5.0 -----
DKC 3595	4.0 -----	5.0 -----	3.0 -	4.3 -----	4.7 -----
LG 31272	3.2 ---	4.3 -	3.5 -----	2.7 -	4.0 -
Akanto	3.8 -----	4.3 -	3.5 -----	4.3 -----	4.3 ---
SY Granaris	3.8 -----	4.7 ---	3.5 -----	3.7 ---	5.0 -----
RGT Alpixx	3.5 -----	5.0 -----	3.5 -----	3.3 ---	4.7 -----
P8902	4.0 -----	5.0 -----	3.0 -	4.0 -----	4.7 -----
Majorque	3.9 -----	5.0 -----	3.5 -----	4.3 -----	4.7 -----
Gloriett	3.8 -----	5.0 -----	3.5 -----	4.3 -----	4.3 ---
Orinoco	3.9 -----	5.0 -----	4.0 -----	4.3 -----	4.7 -----
KXC1366	4.2 -----	5.3 -----	4.0 -----	4.3 -----	4.7 -----
SY Bradford	3.0 -	4.3 -	3.0 -	3.3 ---	4.0 -
SC3211	4.3 -----	5.3 -----	4.0 -----	5.0 -----	5.3 -----
Bone	3.5 ---	4.7 ---	3.5 -----	3.3 ---	4.3 ---
P9903	4.0 -----	5.3 -----	4.0 -----	4.3 -----	4.3 ---
P0725	3.7 -----	4.7 ---	4.0 -----	4.3 -----	4.0 -
P9610	4.0 -----	5.0 -----	4.0 -----	4.3 -----	4.3 ---
KWS Antonio	3.9 -----	4.3 -	4.0 -----	4.3 -----	4.3 ---
Kabanero	3.9 -----	5.3 -----	3.5 -----	4.0 -----	5.0 -----
Mendy	3.7 -----	4.7 ---	3.5 -----	4.3 -----	4.3 ---
LID4040C	3.6 -----	5.0 -----	3.0 -	3.3 ---	4.3 ---
-Bezugsgrösse(n)	3.9 -----	4.8 -----	3.3 ---	4.7 -----	4.5 ----
Versuchs-Mittel	3.8 -----	4.8 -----	3.6 -----	4.1 -----	4.5 ----
VK [%]	17.4	10.5	14.5	14.2	11.7
KGD (5%)	0.4	ns	ns	1.0	ns
KGD (1%)	0.5	ns	ns	1.3	ns
Versuchs-Streuung	0.7	0.5	0.5	0.6	0.5
FG Fehlerterm	292.0	46.0	22.0	46.0	46.0
Anz. Beob.	20.0	3.0	2.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	41.6	23	4.17 ***	1.57	0.0000
Anbauorte	241.4	6	92.65 ***	2.13	0.0000
WW Verf.*Anb.Orte	64.3	138	1.07 ns	1.26	
Fehler	126.8	292			
Insgesamt	474.1	459			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH -	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Planoxx	2.3 -	3.0 -----	3.0 -----
Kidemos KWS	4.7 -----	2.3 ----	2.3 ----
P8834	3.7 -----	3.3 -----	3.0 -----
SY Fregat	4.3 -----	3.3 -----	2.7 -----
DKC 3595	4.3 -----	3.3 -----	3.7 -----
LG 31272	3.0 ---	2.3 ----	2.7 -----
Akanto	4.0 -----	3.0 -----	3.0 -----
SY Granaris	4.3 -----	2.7 -----	3.0 -----
RGT Alpixx	3.3 ----	2.3 ----	2.3 ----
P8902	4.3 -----	3.7 -----	3.3 -----
Majorque	4.3 -----	2.7 -----	3.0 -----
Gloriett	3.0 ---	3.0 -----	3.7 -----
Orinoco	3.3 ----	3.0 -----	2.7 -----
KXC1366	5.0 -----	3.3 -----	2.7 -----
SY Bradford	3.3 ----	1.7 -	1.0 -
SC3211	4.0 -----	3.3 -----	3.0 -----
Bone	3.7 -----	2.3 ----	2.3 ----
P9903	4.3 -----	3.0 -----	3.0 -----
P0725	4.0 -----	2.7 -----	2.3 ----
P9610	3.7 -----	3.3 -----	3.7 -----
KWS Antonio	4.7 -----	2.7 -----	2.7 -----
Kabanero	3.7 -----	3.3 -----	2.7 -----
Mendy	3.7 -----	3.0 -----	2.7 -----
LID4040C	3.7 -----	3.0 -----	3.0 -----
-Bezugsgrösse(n)	4.0 -----	3.3 -----	2.8 -----
Versuchs-Mittel	3.9 -----	2.9 -----	2.8 -----
VK [%]	26.3	22.5	22.1
KGD (5%)	ns	ns	1.0
KGD (1%)	ns	ns	1.4
Versuchs-Streuung	1.0	0.7	0.6
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH -
RGT Planoxx	67.7 ----	74.7 ----	67.7 -----	63.3 ---	73.0 ---
Kidemos KWS	66.5 ---	74.3 ---	65.0 ---	62.0 --	74.3 ----
P8834	67.9 ----	74.3 ---	68.0 -----	63.7 ---	75.0 -----
SY Fregat	68.4 -----	76.0 -----	67.7 -----	65.3 -----	72.7 --
DKC 3595	68.0 ----	75.0 ----	67.7 -----	64.0 ----	73.7 ---
LG 31272	64.8 -	72.0 -	62.3 -	61.0 -	72.3 --
Akanto	68.1 ----	75.0 ----	68.3 -----	64.0 ----	74.7 -----
SY Granaris	68.6 -----	76.0 -----	68.0 -----	64.3 ----	75.0 -----
RGT Alpixx	65.3 -	71.7 -	64.7 ---	61.3 -	72.3 --
P8902	68.6 -----	74.3 ---	68.0 -----	64.0 ----	76.3 -----
Majorque	68.0 ----	74.7 ----	68.0 -----	64.3 ----	74.0 ----
Gloriett	68.2 ----	76.0 -----	67.7 -----	64.3 ----	73.0 ---
Orinoco	68.6 -----	76.3 -----	69.3 -----	64.7 ---	74.0 ----
KXC1366	67.6 ----	74.0 ---	67.3 ----	63.7 ---	74.3 ----
SY Bradford	64.7 -	73.3 --	63.3 -	60.7 -	71.0 -
SC3211	72.3 -----	78.3 -----	72.3 -----	68.7 -----	77.3 -----
Bone	64.9 -	73.0 --	63.0 -	61.0 -	72.0 --
P9903	70.3 -----	76.7 -----	69.7 -----	66.0 ----	76.7 -----
P0725	73.9 -----	81.0 -----	74.3 -----	71.7 -----	80.3 -----
P9610	69.5 -----	75.7 ----	68.3 -----	65.7 ----	75.7 ----
KWS Antonio	67.7 ----	73.3 --	67.7 ----	63.7 ---	75.3 ----
Kabanero	70.4 -----	77.7 -----	69.7 -----	67.3 -----	75.3 ----
Mendy	70.9 -----	77.7 -----	70.7 -----	67.7 -----	74.7 ----
LID4040C	69.9 -----	76.7 ----	69.3 ----	65.0 ----	76.3 ----
-Bezugsgrösse(n)	68.2 ----	75.2 ----	67.8 -----	64.5 ----	73.8 ----
Versuchs-Mittel	68.4 -----	75.3 -----	67.8 -----	64.5 ----	74.6 ----
VK [%]	1.6	1.1	1.7	1.3	2.0
KGD (5%)	0.8	1.4	1.9	1.4	2.5
KGD (1%)	1.0	1.8	2.6	1.9	3.3
Versuchs-Streuung	1.1	0.8	1.2	0.9	1.5
FG Fehlerterm	224.0	46.0	46.0	46.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1756.7	23	66.14 ***	1.58	0.0000
Anbauorte	12835.3	4	2778.67 ***	2.41	0.0000
WW Verf.*Anb.Orte	257.3	92	2.42 ***	1.32	0.0002
Fehler	258.7	224			
Insgesamt	15108.0	343			

Période semis – floraison femelles [jours] / Zeit Saat – weibl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	59.7	-----
Kidemos KWS	56.7	--
P8834	58.7	----
SY Fregat	60.3	-----
DKC 3595	59.7	-----
LG 31272	56.3	--
Akanto	58.7	----
SY Granaris	59.7	-----
RGT Alpixx	56.3	--
P8902	60.3	-----
Majorque	59.0	-----
Gloriett	60.0	-----
Orinoco	58.7	----
KXC1366	58.7	----
SY Bradford	55.0	-
SC3211	64.7	-----
Bone	55.7	-
P9903	62.7	-----
P0725	62.0	-----
P9610	62.0	-----
KWS Antonio	58.7	----
Kabanero	62.0	-----
Mendy	64.0	-----
LID4040C	62.0	-----
-Bezugsgrösse(n)	59.5	-----
Versuchs-Mittel	59.6	-----
VK [%]	1.4	
KGD (5%)	1.4	
KGD (1%)	1.8	
Versuchs-Streuung	0.8	
FG Fehlerterm	42.0	
Anz. Beob.	3.0	

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH -
RGT Planoxx	66.3 ----	72.7 ----	65.7 -----	61.3 ---	72.0 --
Kidemos KWS	64.9 --	72.3 ---	63.0 ---	59.7 --	74.0 ----
P8834	66.6 ----	72.7 ----	66.0 -----	61.7 ---	74.3 -----
SY Fregat	66.9 ----	74.0 -----	66.0 -----	62.3 ----	74.0 ----
DKC 3595	66.5 ----	73.3 -----	66.0 -----	61.3 ---	73.3 ----
LG 31272	63.4 -	70.3 -	60.3 -	59.3 -	71.0 -
Akanto	66.6 ----	73.0 ----	66.3 -----	61.7 ---	74.3 -----
SY Granaris	67.6 -----	74.7 -----	66.0 -----	62.3 ----	75.0 -----
RGT Alpixx	63.6 -	69.7 -	62.7 --	59.0 -	71.7 --
P8902	67.2 -----	72.3 ---	66.0 -----	62.0 ----	76.0 -----
Majorque	66.9 ----	73.0 ----	66.0 -----	62.3 ----	74.0 ----
Gloriett	67.5 -----	74.7 -----	65.7 -----	63.0 -----	73.7 ----
Orinoco	67.4 -----	74.7 -----	67.3 -----	62.7 ----	74.0 ----
KXC1366	66.2 ----	72.0 ---	65.7 -----	62.3 ----	73.7 ----
SY Bradford	63.1 -	71.3 --	61.3 -	58.7 -	70.3 -
SC3211	70.9 -----	76.7 -----	70.0 -----	66.7 -----	77.7 -----
Bone	63.3 -	71.3 --	61.3 -	59.0 -	70.3 -
P9903	69.1 -----	74.7 -----	67.7 -----	63.7 ----	76.0 ----
P0725	72.9 -----	79.0 -----	74.0 -----	69.3 -----	80.3 -----
P9610	68.2 -----	74.7 -----	66.3 -----	63.3 ----	75.7 ----
KWS Antonio	65.9 ---	71.3 --	65.7 -----	61.3 ---	74.3 ----
Kabanero	69.4 -----	75.3 -----	68.0 -----	65.3 -----	76.3 -----
Mendy	69.5 -----	75.7 -----	68.3 -----	65.7 -----	76.3 -----
LID4040C	67.8 ----	75.0 -----	67.3 -----	63.0 ----	75.0 ----
-Bezugsgrösse(n)	66.7 ----	73.3 -----	66.0 -----	62.0 ----	74.2 ----
Versuchs-Mittel	67.0 -----	73.5 -----	65.9 -----	62.4 ----	74.3 -----
VK [%]	1.7	1.2	1.7	1.3	2.5
KGD (5%)	0.8	1.5	1.9	1.4	3.0
KGD (1%)	1.1	1.9	2.5	1.8	4.0
Versuchs-Streuung	1.2	0.9	1.1	0.8	1.8
FG Fehlerterm	223.0	46.0	46.0	46.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1957.0	23	63.52 ***		1.58	0.0000
Anbauorte	13352.8	4	2491.86 ***		2.41	0.0000
WW Verf.*Anb.Orte	235.5	92	1.91 ***		1.32	0.0007
Fehler	298.7	223				
Insgesamt	15844.0	342				

Période semis – floraison mâles [jours] / Zeit Saat – männl. Blüte [Tage]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	59.7	-----
Kidemos KWS	55.3	--
P8834	58.3	-----
SY Fregat	58.0	-----
DKC 3595	58.3	-----
LG 31272	56.0	---
Akanto	57.7	----
SY Granaris	60.0	-----
RGT Alpixx	55.0	--
P8902	59.7	-----
Majorque	59.0	-----
Gloriett	60.7	-----
Orinoco	58.3	----
KXC1366	57.3	----
SY Bradford	54.0	-
SC3211	63.7	-----
Bone	54.7	-
P9903	63.3	-----
P0725	62.0	-----
P9610	61.0	-----
KWS Antonio	57.0	----
Kabanero	62.0	-----
Mendy	61.7	-----
LID4040C	58.7	----
-Bezugsgrösse(n)	58.2	-----
Versuchs-Mittel	58.8	-----
VK [%]	1.3	
KGD (5%)	1.3	
KGD (1%)	1.7	
Versuchs-Streuung	0.8	
FG Fehlerterm	41.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH -
RGT Planoxx	246.1 ----	215.0 -----	266.7 ----	265.0 -----	228.3 ----
Kidemos KWS	234.0 --	196.7 ---	246.7 --	250.0 ---	216.3 --
P8834	243.8 ----	208.3 ----	270.0 -----	261.7 -----	222.0 ---
SY Fregat	248.5 -----	218.3 -----	266.7 ----	258.3 ----	230.3 -----
DKC 3595	236.5 --	211.7 -----	250.0 --	256.7 ----	214.3 --
LG 31272	251.8 -----	220.0 -----	278.3 -----	270.0 -----	218.7 ---
Akanto	243.9 ----	213.3 -----	270.0 -----	263.3 -----	224.0 ----
SY Granaris	244.5 ----	201.7 ----	275.0 -----	255.0 ----	225.7 ----
RGT Alpixx	235.6 --	203.3 ----	260.0 ----	251.7 ---	207.0 -
P8902	245.7 -----	223.3 -----	285.0 -----	261.7 -----	226.7 ----
Majorque	245.1 ----	213.3 -----	263.3 ----	258.3 ----	224.0 ----
Gloriett	235.7 --	196.7 ---	258.3 ----	258.3 ----	213.0 --
Orinoco	245.7 ----	213.3 -----	260.0 ----	261.7 -----	234.3 -----
KXC1366	228.8 -	186.7 -	241.7 -	256.7 ----	206.7 -
SY Bradford	245.9 -----	210.0 ----	270.0 -----	266.7 -----	218.3 ---
SC3211	251.2 -----	216.7 -----	276.7 -----	261.7 -----	233.3 -----
Bone	231.0 -	198.3 ---	250.0 --	241.7 -	215.7 --
P9903	238.8 ---	198.3 ---	263.3 ----	255.0 ----	219.3 ---
P0725	271.8 -----	236.7 -----	295.0 -----	280.0 -----	259.7 -----
P9610	253.3 -----	216.7 -----	276.7 -----	270.0 -----	236.3 -----
KWS Antonio	245.2 ----	220.0 -----	260.0 ----	256.7 ----	221.3 ---
Kabanero	253.9 -----	218.3 -----	271.7 -----	270.0 -----	227.3 ----
Mendy	262.0 -----	220.0 -----	286.7 -----	273.3 -----	254.7 -----
LID4040C	262.3 -----	226.7 -----	290.0 -----	278.3 -----	242.3 -----
-Bezugsgrösse(n)	246.1 ----	213.3 ----	268.3 ----	260.0 ----	226.2 ----
Versuchs-Mittel	245.9 ----	211.8 ----	268.0 ----	261.7 ----	225.8 ----
VK [%]	4.4	5.1	3.2	2.9	4.9
KGD (5%)	7.7	17.7	14.1	12.6	18.4
KGD (1%)	10.2	23.6	18.8	16.9	24.6
Versuchs-Streuung	10.7	10.7	8.6	7.7	11.2
FG Fehlerterm	226.0	46.0	46.0	46.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	36036.2	23	13.67 ***	1.58	0.0000
Anbauorte	184761.9	4	403.05 ***	2.41	0.0000
WW Verf.*Anb.Orte	13109.5	92	1.24 ns	1.32	
Fehler	25900.3	226			
Insgesamt	259807.9	345			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	255.7	-----
Kidemos KWS	260.3	-----
P8834	257.0	-----
SY Fregat	268.7	-----
DKC 3595	250.0	----
LG 31272	272.0	-----
Akanto	249.0	----
SY Granaris	265.0	-----
RGT Alpixx	256.0	-----
P8902	232.0	-
Majorque	266.3	-----
Gloriett	252.3	----
Orinoco	259.3	-----
KXC1366	252.3	----
SY Bradford	264.7	-----
SC3211	267.7	-----
Bone	249.3	----
P9903	258.0	-----
P0725	287.7	-----
P9610	267.0	-----
KWS Antonio	268.0	-----
Kabanero	282.3	-----
Mendy	275.3	-----
LID4040C	274.0	-----
-Bezugsgrösse(n)	262.8	-----
Versuchs-Mittel	262.1	-----
VK [%]	5.5	
KGD (5%)	23.5	
KGD (1%)	ns	
Versuchs-Streuung	14.3	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH -
RGT Planoxx	112.3 ----	75.0 ---	128.3 ----	123.3 ----	107.7 ----
Kidemos KWS	95.2 -	65.0 -	100.0 -	111.7 -	85.0 -
P8834	128.9 -----	105.0 -----	141.7 -----	145.0 -----	118.0 -----
SY Fregat	111.1 ----	80.0 ----	133.3 -----	118.3 ---	102.7 ----
DKC 3595	116.1 ----	93.3 -----	126.7 ----	128.3 ----	113.0 ----
LG 31272	118.1 -----	85.0 ----	145.0 -----	115.0 --	109.7 ----
Akanto	110.1 ----	91.7 -----	120.0 ----	116.7 --	103.3 ----
SY Granaris	120.0 -----	90.0 ----	138.3 -----	131.7 -----	101.0 ----
RGT Alpixx	114.1 ----	80.0 ----	135.0 ----	123.3 ---	108.7 ----
P8902	119.4 ----	90.0 ----	138.3 -----	126.7 ----	112.7 ----
Majorque	125.5 -----	100.0 -----	136.7 -----	140.0 -----	115.3 ----
Gloriett	105.7 ---	83.3 ----	116.7 ---	115.0 --	96.3 ---
Orinoco	112.7 ----	98.3 -----	111.7 ---	128.3 ----	108.7 ----
KXC1366	114.3 ----	83.3 ----	123.3 ----	138.3 -----	97.0 ---
SY Bradford	119.7 -----	100.0 -----	130.0 ----	131.7 -----	106.0 ----
SC3211	117.3 -----	88.3 ----	135.0 -----	133.3 -----	109.0 ----
Bone	103.6 ---	86.7 ----	115.0 ---	111.7 -	91.7 --
P9903	103.1 --	81.7 ----	120.0 ----	108.3 -	96.7 ---
P0725	138.9 -----	108.3 -----	158.3 -----	145.0 -----	126.7 -----
P9610	113.5 ----	90.0 ----	120.0 ----	131.7 -----	102.3 ----
KWS Antonio	111.7 ----	88.3 ----	115.0 ---	126.7 ----	100.0 ---
Kabanero	130.9 -----	96.7 -----	143.3 -----	146.7 -----	122.3 -----
Mendy	132.4 -----	98.3 -----	138.3 -----	150.0 -----	138.7 -----
LID4040C	128.4 -----	96.7 -----	135.0 ----	153.3 -----	117.0 ----
-Bezugsgrösse(n)	120.0 -----	92.5 -----	137.5 -----	131.7 -----	110.3 -----
Versuchs-Mittel	116.8 -----	89.8 -----	129.4 -----	129.2 ----	107.9 ----
VK [%]	8.1	11.5	8.2	8.2	5.9
KGD (5%)	6.8	17.0	17.3	17.3	10.4
KGD (1%)	9.0	22.7	23.1	23.1	13.9
Versuchs-Streuung	9.5	10.4	10.5	10.5	6.3
FG Fehlerterm	227.0	46.0	45.0	46.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	36464.4	23	17.71 ***		1.58	0.0000
Anbauorte	89223.7	4	249.24 ***		2.41	0.0000
WW Verf.*Anb.Orte	11849.9	92	1.44 ns		1.32	
Fehler	20315.8	227				
Insgesamt	157853.7	346				

Hauteur de l'épi [cm] / Ansatzhöhe des obersten Kolbens [cm]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	127.3	----
Kidemos KWS	114.3	--
P8834	135.0	-----
SY Fregat	121.3	---
DKC 3595	119.3	---
LG 31272	135.7	-----
Akanto	118.7	---
SY Granaris	139.0	-----
RGT Alpixx	123.3	----
P8902	129.3	----
Majorque	135.3	-----
Gloriett	117.0	--
Orinoco	116.7	--
KXC1366	129.3	----
SY Bradford	131.0	-----
SC3211	121.0	---
Bone	113.0	--
P9903	108.7	-
P0725	156.0	-----
P9610	123.3	----
KWS Antonio	128.7	----
Kabanero	145.3	-----
Mendy	136.7	-----
LID4040C	140.0	-----
-Bezugsgrösse(n)	128.2	----
Versuchs-Mittel	127.7	----
VK [%]	6.8	
KGD (5%)	14.4	
KGD (1%)	19.2	
Versuchs-Streuung	8.7	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH -
RGT Planoxx	45.4 ----	35.1 --	48.1 -----	46.6 ----	47.2 -----
Kidemos KWS	40.2 -	33.2 -	40.0 -	44.7 --	39.1 -
P8834	52.8 -----	50.4 -----	52.4 -----	55.5 -----	53.1 -----
SY Fregat	44.5 ----	36.7 ---	50.0 -----	45.9 ---	44.6 ----
DKC 3595	49.0 -----	44.1 -----	50.7 -----	50.0 -----	52.8 -----
LG 31272	46.7 -----	38.7 ----	52.1 -----	42.6 -	50.1 -----
Akanto	45.1 ----	42.9 -----	44.6 ----	44.3 --	46.1 -----
SY Granaris	48.8 -----	44.5 -----	50.5 -----	51.6 -----	44.9 ----
RGT Alpixx	48.2 -----	39.5 ---	51.9 -----	49.1 -----	52.4 -----
P8902	49.1 -----	40.4 ----	48.5 -----	48.4 ----	49.7 -----
Majorque	51.1 -----	47.1 -----	51.9 -----	54.3 -----	51.5 -----
Gloriett	44.8 ----	42.7 -----	45.2 ----	44.5 --	45.3 -----
Orinoco	45.9 ----	46.1 -----	42.9 ---	49.1 -----	46.4 ----
KXC1366	49.6 -----	44.7 -----	51.0 -----	53.9 -----	47.0 ----
SY Bradford	48.6 -----	47.7 -----	48.0 -----	49.4 -----	48.6 -----
SC3211	46.5 -----	40.7 ----	48.8 -----	51.0 -----	46.9 -----
Bone	44.7 ----	43.5 -----	46.0 ----	46.2 ---	42.4 ---
P9903	43.1 ---	41.1 ----	45.6 ----	42.6 -	43.9 ----
P0725	50.8 -----	45.8 -----	53.7 -----	51.8 -----	48.7 -----
P9610	44.6 ----	41.5 ----	43.4 ---	48.8 ----	43.3 ---
KWS Antonio	45.4 ----	40.1 ----	44.2 ----	49.4 -----	45.2 ----
Kabanero	51.3 -----	44.3 -----	52.8 -----	54.4 -----	53.8 -----
Mendy	50.4 -----	44.7 -----	48.3 -----	55.0 -----	54.4 -----
LID4040C	48.7 -----	42.8 ----	46.5 ----	55.1 -----	48.3 -----
-Bezugsgrösse(n)	48.6 -----	43.5 -----	51.2 -----	50.7 -----	48.8 -----
Versuchs-Mittel	47.3 -----	42.4 -----	48.2 -----	49.3 -----	47.7 -----
VK [%]	8.2	9.3	8.1	9.0	5.0
KGD (5%)	2.8	6.5	6.4	7.3	3.9
KGD (1%)	3.7	8.6	8.5	9.8	5.3
Versuchs-Streuung	3.9	3.9	3.9	4.4	2.4
FG Fehlerterm	227.0	46.0	45.0	46.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	3196.3	23	9.16 ***		1.58	0.0000
Anbauorte	2250.9	4	37.09 ***		2.41	0.0000
WW Verf.*Anb.Orte	1971.4	92	1.41 ns		1.32	
Fehler	3444.3	227				
Insgesamt	10862.9	346				

Hauteur relative de l'épi [%] / Relative Kolbenansatzhöhe [%]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	49.8	----
Kidemos KWS	43.9	--
P8834	52.5	-----
SY Fregat	45.2	--
DKC 3595	47.7	----
LG 31272	49.8	-----
Akanto	47.7	----
SY Granaris	52.4	-----
RGT Alpixx	48.1	----
P8902	58.4	-----
Majorque	50.8	-----
Gloriett	46.3	---
Orinoco	45.0	--
KXC1366	51.2	-----
SY Bradford	49.4	-----
SC3211	45.3	---
Bone	45.3	---
P9903	42.1	-
P0725	54.3	-----
P9610	46.3	---
KWS Antonio	48.1	----
Kabanero	51.5	-----
Mendy	49.6	-----
LID4040C	51.1	-----
-Bezugsgrösse(n)	48.9	-----
Versuchs-Mittel	48.8	-----
VK [%]	9.0	
KGD (5%)	7.2	
KGD (1%)	ns	
Versuchs-Streuung	4.4	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Verse à la récolte [%] / Wurzellagerung Ernte [%]

Verfahren	Seriemittel	1567 Delley FR	8566 Ellighausen TG
RGT Planoxx	0.0 -	0.0 -	0.0 -
Kidemos KWS	0.0 -	0.0 -	0.0 -
P8834	0.0 -	0.0 -	0.0 -
SY Fregat	0.0 -	0.0 -	0.0 -
DKC 3595	0.0 -	0.0 -	0.0 -
LG 31272	0.3 ---	0.0 -	0.7 -----
Akanto	0.0 -	0.0 -	0.0 -
SY Granaris	0.0 -	0.0 -	0.0 -
RGT Alpixx	0.0 -	0.0 -	0.0 -
P8902	0.0 -	0.0 -	0.0 -
Majorque	0.0 -	0.0 -	0.0 -
Gloriett	0.8 -----	0.0 -	1.6 -----
Orinoco	0.0 -	0.0 -	0.0 -
KXC1366	0.0 -	0.0 -	0.0 -
SY Bradford	1.4 -----	1.6 -----	1.2 -----
SC3211	0.0 -	0.0 -	0.0 -
Bone	0.0 -	0.0 -	0.0 -
P9903	0.0 -	0.0 -	0.0 -
P0725	0.0 -	0.0 -	0.0 -
P9610	0.6 -----	0.0 -	1.3 -----
KWS Antonio	0.0 -	0.0 -	0.0 -
Kabanero	0.0 -	0.0 -	0.0 -
Mendy	0.0 -	0.0 -	0.0 -
LID4040C	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -	0.0 -
Versuchs-Mittel	0.1 --	0.1 -	0.2 --
VK [%]	576.4	829.7	438.6
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.8	0.5	0.9
FG Fehlerterm	66.0	22.0	44.0
Anz. Beob.	5.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13.5	23	1.01 ns	1.69	0.4650
Anbauorte	0.5	1	0.93 ns	3.98	0.3392
WW Verf.*Anb.Orte	5.4	23	0.40 ns	1.69	0.9913
Fehler	38.2	66			
Insgesamt	57.5	113			

Plantes cassées à la récolte [%] / Stängelbruch Ernte [%]

Verfahren	Seriemittel	1567 Delley FR	8194 Hüntwangen ZH
RGT Planoxx	0.0 -	0.0 -	0.0 -
Kidemos KWS	0.0 -	0.0 -	0.0 -
P8834	0.0 -	0.0 -	0.0 -
SY Fregat	0.0 -	0.0 -	0.0 -
DKC 3595	2.0 -----	3.9 -----	0.0 -
LG 31272	0.5 ---	0.0 -	1.0 -----
Akanto	0.0 -	0.0 -	0.0 -
SY Granaris	0.0 -	0.0 -	0.0 -
RGT Alpixx	0.0 -	0.0 -	0.0 -
P8902	0.4 ---	0.0 -	0.9 -----
Majorque	0.0 -	0.0 -	0.0 -
Gloriett	0.0 -	0.0 -	0.0 -
Orinoco	0.0 -	0.0 -	0.0 -
KXC1366	0.0 -	0.0 -	0.0 -
SY Bradford	0.8 -----	1.6 -----	0.0 -
SC3211	0.0 -	0.0 -	0.0 -
Bone	0.9 -----	0.0 -	1.8 -----
P9903	0.0 -	0.0 -	0.0 -
P0725	0.0 -	0.0 -	0.0 -
P9610	0.0 -	0.0 -	0.0 -
KWS Antonio	2.0 -----	3.9 -----	0.0 -
Kabanero	0.8 -----	1.6 -----	0.0 -
Mendy	0.0 -	0.0 -	0.0 -
LID4040C	0.8 -----	1.6 -----	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -	0.0 -
Versuchs-Mittel	0.3 --	0.5 --	0.1 -

VK [%]	367.8	339.1	514.9
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	1.2	1.9	0.8
FG Fehlerterm	68.0	22.0	46.0
Anz. Beob.	5.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	39.8	23	1.14 ns	1.69	0.3282
Anbauorte	4.2	1	2.75 ns	3.98	0.1021
WW Verf.*Anb.Orte	49.0	23	1.41 ns	1.69	0.1404
Fehler	103.0	68			
Insgesamt	196.0	115			

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8046 Reckenholz ZH -	8566 Ellighausen TG
RGT Planoxx	0.6 -	0.0 -	1.3 -
Kidemos KWS	4.8 ---	6.9 ----	2.7 --
P8834	0.6 -	1.3 -	0.0 -
SY Fregat	20.8 -----	18.5 -----	23.0 -----
DKC 3595	9.8 ----	6.7 ----	13.0 ----
LG 31272	1.9 --	1.8 --	1.9 -
Akanto	1.0 -	0.0 -	2.0 -
SY Granaris	2.5 --	1.2 -	3.9 --
RGT Alpixx	0.0 -	0.0 -	0.0 -
P8902	2.2 --	1.9 --	2.4 --
Majorque	1.0 -	0.7 -	1.3 -
Gloriett	1.0 -	0.0 -	2.0 -
Orinoco	7.9 ----	0.7 -	15.1 -----
KXC1366	3.4 --	1.2 -	5.5 ---
SY Bradford	0.0 -	0.0 -	0.0 -
SC3211	1.9 --	0.0 -	3.9 --
Bone	7.9 ----	0.0 -	15.8 -----
P9903	0.6 -	0.0 -	1.3 -
P0725	0.0 -	0.0 -	0.0 -
P9610	0.6 -	0.6 -	0.6 -
KWS Antonio	2.0 --	1.3 -	2.6 --
Kabanero	2.6 --	0.6 -	4.5 ---
Mendy	5.6 ---	0.7 -	10.5 ----
LID4040C	0.6 -	1.3 -	0.0 -
-Bezugsgrösse(n)	10.7 -----	9.9 -----	11.5 -----
Versuchs-Mittel	3.3 --	1.9 --	4.7 ---

VK [%]	151.6	186.9	130.1
KGD (5%)	5.8	5.8	10.1
KGD (1%)	7.6	7.8	13.5
Versuchs-Streuung	5.0	3.5	6.1
FG Fehlerterm	88.0	44.0	44.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2935.4	23	5.08 ***	1.65	0.0000
Anbauorte	287.8	1	11.46 **	3.94	0.0011
WW Verf.*Anb.Orte	771.2	23	1.34 ns	1.65	0.1692
Fehler	2209.7	88			
Insgesamt	6204.2	135			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1896 Vouvry
RGT Planoxx	4.0 -----	4.0 -----
Kidemos KWS	4.0 -----	4.0 -----
P8834	3.0 --	3.0 --
SY Fregat	5.0 -----	5.0 -----
DKC 3595	4.7 -----	4.7 -----
LG 31272	4.3 -----	4.3 -----
Akanto	3.3 ---	3.3 ---
SY Granaris	4.0 -----	4.0 -----
RGT Alpixx	4.3 -----	4.3 -----
P8902	3.7 ----	3.7 ----
Majorque	4.0 -----	4.0 -----
Gloriett	2.7 -	2.7 -
Orinoco	3.7 ----	3.7 ----
KXC1366	3.7 ----	3.7 ----
SY Bradford	4.7 -----	4.7 -----
SC3211	3.3 ---	3.3 ---
Bone	4.0 -----	4.0 -----
P9903	3.0 --	3.0 --
P0725	2.7 -	2.7 -
P9610	3.7 ----	3.7 ----
KWS Antonio	3.7 ----	3.7 ----
Kabanero	4.0 -----	4.0 -----
Mendy	3.0 --	3.0 --
LID4040C	2.7 -	2.7 -
-Bezugsgrösse(n)	4.0 -----	4.0 -----
Versuchs-Mittel	3.7 ----	3.7 ----
VK [%]	17.0	17.0
KGD (5%)	1.0	1.0
KGD (1%)	1.4	1.4
Versuchs-Streuung	0.6	0.6
FG Fehlerterm	46.0	46.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8194 Hüntwangen ZH
RGT Planoxx	0.6 --	0.0 -	2.2 ---	0.8 ----	0.0 -
Kidemos KWS	0.7 ---	0.0 -	2.1 ---	0.0 -	1.6 ----
P8834	3.8 -----	0.0 -	8.8 -----	2.8 -----	5.0 -----
SY Fregat	0.5 --	0.0 -	0.8 -	0.4 --	0.0 -
DKC 3595	0.1 -	0.0 -	0.4 -	0.0 -	0.0 -
LG 31272	0.2 -	0.0 -	0.4 -	0.0 -	0.0 -
Akanto	0.4 --	0.0 -	0.8 -	1.2 ----	0.0 -
SY Granaris	0.3 -	0.0 -	0.4 -	0.0 -	0.0 -
RGT Alpixx	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
P8902	1.7 ----	0.0 -	3.3 ----	2.1 -----	2.0 ----
Majorque	0.1 -	0.0 -	0.4 -	0.0 -	0.0 -
Gloriett	0.3 -	0.0 -	1.2 --	0.4 --	0.0 -
Orinoco	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
KXC1366	0.3 -	0.0 -	0.0 -	0.0 -	0.7 --
SY Bradford	2.0 -----	0.0 -	4.5 -----	0.9 ----	1.0 ---
SC3211	0.3 -	0.0 -	0.0 -	0.8 ---	0.0 -
Bone	0.5 --	0.0 -	0.8 -	0.5 --	0.0 -
P9903	0.7 ---	0.0 -	2.1 ---	0.8 ---	0.0 -
P0725	1.4 ----	0.0 -	0.9 -	2.4 -----	0.0 -
P9610	0.3 -	0.0 -	1.6 --	0.0 -	0.0 -
KWS Antonio	1.4 ----	0.0 -	2.1 ---	0.4 --	2.5 -----
Kabanero	3.7 -----	0.0 -	10.3 -----	1.2 ----	0.9 --
Mendy	1.0 ---	0.0 -	3.1 ----	0.0 -	1.8 ----
LID4040C	0.7 --	0.0 -	2.0 ---	1.3 ----	0.0 -
-Bezugsgrösse(n)	2.1 -----	0.0 -	4.8 -----	1.6 -----	2.5 -----
Versuchs-Mittel	0.9 ---	0.0 -	2.0 ---	0.7 ---	0.6 --
VK [%]	171.1	0.0	98.2	165.5	318.7
KGD (5%)	1.1	ns	3.3	ns	ns
KGD (1%)	1.4	ns	4.3	ns	ns
Versuchs-Streuung	1.5	0.0	2.0	1.1	2.1
FG Fehlerterm	226.0	46.0	46.0	46.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	369.5	23	7.07 ***	1.58	0.0000
Anbauorte	158.5	4	17.45 ***	2.41	0.0000
WW Verf.*Anb.Orte	419.3	92	2.01 ***	1.32	0.0006
Fehler	513.2	226			
Insgesamt	1460.5	345			

Charbon [%] / Beulenbrand [%]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	0.0	-
Kidemos KWS	0.0	-
P8834	2.2	----
SY Fregat	1.3	---
DKC 3595	0.0	-
LG 31272	0.7	--
Akanto	0.0	-
SY Granaris	1.3	---
RGT Alpixx	0.0	-
P8902	1.3	---
Majorque	0.0	-
Gloriett	0.0	-
Orinoco	0.0	-
KXC1366	0.6	--
SY Bradford	3.8	-----
SC3211	0.6	--
Bone	1.3	---
P9903	0.7	--
P0725	3.7	-----
P9610	0.0	-
KWS Antonio	1.9	----
Kabanero	6.3	-----
Mendy	0.0	-
LID4040C	0.0	-
-Bezugsgrösse(n)	1.7	---
Versuchs-Mittel	1.1	--
VK [%]	132.8	
KGD (5%)	2.3	
KGD (1%)	3.1	
Versuchs-Streuung	1.4	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Pyrales, plantes touchées [%] / mit Maiszünsler befallene Pflanzen [%]

Verfahren	Seriemittel	8046 Reckenholz ZH -	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Planoxx	1.1 -----	2.7 -----	0.0 -	0.6 ----
Kidemos KWS	0.7 -----	2.0 -----	0.0 -	0.0 -
P8834	0.2 --	0.6 --	0.0 -	0.0 -
SY Fregat	1.3 -----	3.9 -----	0.0 -	0.0 -
DKC 3595	0.0 -	0.0 -	0.0 -	0.0 -
LG 31272	0.0 -	0.0 -	0.0 -	0.0 -
Akanto	0.0 -	0.0 -	0.0 -	0.0 -
SY Granaris	0.7 -----	1.3 ----	0.7 -----	0.0 -
RGT Alpixx	0.5 ----	0.7 --	0.8 -----	0.0 -
P8902	1.2 -----	1.9 -----	0.9 -----	0.7 -----
Majorque	0.0 -	0.0 -	0.0 -	0.0 -
Gloriett	0.9 -----	1.9 -----	0.0 -	0.6 ----
Orinoco	0.7 -----	2.0 -----	0.0 -	0.0 -
KXC1366	1.0 -----	2.4 -----	0.0 -	0.6 ----
SY Bradford	0.0 -	0.0 -	0.0 -	0.0 -
SC3211	1.1 -----	1.2 ----	0.9 -----	1.3 -----
Bone	0.2 --	0.7 --	0.0 -	0.0 -
P9903	0.2 --	0.7 --	0.0 -	0.0 -
P0725	0.4 ----	1.3 ----	0.0 -	0.0 -
P9610	0.6 -----	1.3 ----	0.0 -	0.6 -----
KWS Antonio	0.0 -	0.0 -	0.0 -	0.0 -
Kabanero	0.0 -	0.0 -	0.0 -	0.0 -
Mendy	0.5 -----	0.7 --	0.9 -----	0.0 -
LID4040C	0.0 -	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	0.7 -----	2.2 -----	0.0 -	0.0 -
Versuchs-Mittel	0.5 ----	1.1 ---	0.2 ---	0.2 --
VK [%]	288.6	207.7	387.3	295.8
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	1.4	2.2	0.7	0.5
FG Fehlerterm	138.0	46.0	46.0	46.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	40.9	23	0.96 ns	1.61	0.5152
Anbauorte	36.6	2	9.93 ***	3.06	0.0002
WW Verf.*Anb.Orte	53.0	46	0.62 ns	1.46	0.9661
Fehler	254.3	138			
Insgesamt	384.7	209			

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
RGT Planoxx	7.4 -----	7.4 --	7.5 -	8.1 -----	8.1 -----
Kidemos KWS	7.2 --	7.2 -	7.5 -	7.7 ---	7.8 ----
P8834	7.5 -----	8.2 -----	7.5 -	7.5 -	8.4 -----
SY Fregat	7.5 -----	7.7 ----	7.5 -	8.2 -----	8.2 -----
DKC 3595	7.7 -----	8.0 -----	7.5 -	8.1 -----	8.3 -----
LG 31272	7.4 -----	7.7 ----	7.5 -	8.0 -----	8.1 -----
Akanto	7.1 -	7.5 ---	7.5 -	7.8 ---	8.0 -----
SY Granaris	7.6 -----	7.9 -----	7.5 -	8.2 -----	8.0 -----
RGT Alpixx	7.7 -----	8.5 -----	7.5 -	8.0 -----	8.1 -----
P8902	7.5 -----	8.0 -----	7.5 -	8.1 -----	8.0 -----
Majorque	7.6 -----	8.4 -----	7.5 -	8.0 -----	8.0 -----
Gloriett	7.2 --	7.3 --	7.5 -	7.8 ---	7.9 ----
Orinoco	7.8 -----	8.0 -----	7.5 -	8.3 -----	8.5 -----
KXC1366	7.5 -----	8.2 -----	7.5 -	8.3 -----	7.9 ----
SY Bradford	7.3 ---	7.3 --	7.5 -	8.1 -----	8.0 -----
SC3211	7.7 -----	7.7 ----	7.5 -	8.2 -----	8.2 -----
Bone	7.3 ---	7.4 --	7.5 -	7.9 ----	7.4 -
P9903	7.5 -----	7.6 ----	8.0 -----	7.9 ----	8.3 -----
P0725	7.7 -----	8.1 -----	7.5 -	8.1 -----	8.4 -----
P9610	7.5 -----	7.7 ----	7.5 -	8.2 -----	8.1 -----
KWS Antonio	7.2 --	7.4 --	7.5 -	7.9 ---	7.7 ----
Kabanero	7.6 -----	8.2 -----	7.5 -	8.4 -----	8.2 -----
Mendy	7.4 ----	8.0 -----	7.5 -	7.8 ---	8.1 -----
LID4040C	7.5 -----	8.0 -----	7.5 -	8.4 -----	8.0 -----
-Bezugsgrösse(n)	7.5 -----	8.0 -----	7.5 -	7.9 ----	8.3 -----
Versuchs-Mittel	7.5 -----	7.8 ----	7.6 -	8.0 -----	8.1 -----
VK [%]	5.8	5.1	1.8	4.4	5.4
KGD (5%)	0.3	0.7	ns	ns	ns
KGD (1%)	0.4	0.9	ns	ns	ns
Versuchs-Streuung	0.4	0.4	0.1	0.4	0.4
FG Fehlerterm	293.0	46.0	23.0	46.0	46.0
Anz. Beob.	20.0	3.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	14.5	23	3.39 ***		1.57	0.0001
Anbauorte	226.1	6	202.90 ***		2.13	0.0000
WW Verf.*Anb.Orte	24.0	138	0.94 ns		1.26	
Fehler	54.4	293				
Insgesamt	319.0	460				

Densité [plantes/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	8046 Reckenholz ZH -	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Planoxx	7.2 -----	5.7 ----	7.9 -----
Kidemos KWS	6.6 -	6.0 -----	7.6 -----
P8834	7.6 -----	5.9 ----	7.1 ---
SY Fregat	7.1 ----	6.1 -----	7.6 -----
DKC 3595	7.7 -----	6.3 -----	7.5 -----
LG 31272	7.7 -----	5.4 --	7.3 ----
Akanto	6.8 --	5.4 --	6.9 -
SY Granaris	7.7 -----	6.5 -----	7.5 -----
RGT Alpixx	7.5 -----	6.5 -----	7.8 -----
P8902	7.4 -----	5.7 ----	7.8 -----
Majorque	7.2 -----	6.7 -----	7.5 -----
Gloriett	7.0 ---	5.8 ----	7.0 --
Orinoco	7.8 -----	6.2 -----	7.8 -----
KXC1366	7.3 -----	5.7 ----	7.7 -----
SY Bradford	7.2 -----	5.2 -	7.5 -----
SC3211	7.8 -----	6.3 -----	7.7 -----
Bone	7.4 -----	6.0 -----	7.5 -----
P9903	7.2 -----	5.8 ----	7.7 -----
P0725	7.6 -----	6.1 -----	7.7 -----
P9610	7.6 -----	5.8 ----	7.4 -----
KWS Antonio	7.2 ----	5.3 -	7.4 -----
Kabanero	7.4 -----	5.8 ----	7.7 -----
Mendy	7.4 -----	5.9 ----	7.3 ----
LID4040C	7.5 -----	5.4 --	7.6 -----
-Bezugsgrösse(n)	7.3 -----	6.0 ----	7.3 ----
Versuchs-Mittel	7.4 -----	5.9 ----	7.5 -----
VK [%]	6.0	10.9	4.6
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.4	0.6	0.3
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

Rendement grain (14% H₂O) [dt/ha] / Kornertrag (14% H₂O) [dt/ha]

Verfahren	Seriemittel	1567 Delley FR	1896 Vouvry	3065 Habstetten	8194 Hüntwangen ZH
RGT Planoxx	142.8 --	91.4 ----	165.4 --	149.3 ----	143.8 -
Kidemos KWS	147.3 ---	99.3 ----	162.8 -	151.9 ----	142.7 -
P8834	164.0 -----	112.6 -----	183.1 -----	159.7 -----	168.0 -----
SY Fregat	153.9 -----	96.6 -----	173.0 ----	155.6 -----	159.9 ----
DKC 3595	139.8 -	86.7 ---	166.7 --	134.5 -	153.9 ----
LG 31272	139.8 -	94.5 ----	168.4 ---	142.0 ---	143.9 --
Akanto	151.6 ----	80.8 --	181.3 ----	167.0 -----	156.5 ----
SY Granaris	147.2 ---	80.5 --	165.6 --	164.0 -----	152.1 ---
RGT Alpixx	148.2 ----	93.1 ----	166.7 --	154.2 ----	152.1 ---
P8902	160.1 -----	116.3 -----	184.3 -----	147.3 ---	160.5 ----
Majorque	152.4 ----	96.4 ----	172.6 ----	153.2 ----	162.2 ----
Gloriett	164.1 -----	116.8 -----	184.4 -----	164.7 -----	171.2 -----
Orinoco	160.7 -----	106.6 -----	174.5 ----	169.7 -----	166.8 ----
KXC1366	153.2 ----	95.1 ----	172.0 ---	151.9 ----	162.4 ----
SY Bradford	142.9 --	79.2 -	175.3 ----	141.0 --	142.9 -
SC3211	161.0 -----	113.4 -----	159.8 -	163.6 -----	167.6 -----
Bone	136.7 -	74.7 -	162.3 -	138.8 --	139.6 -
P9903	168.2 -----	112.5 -----	196.2 -----	166.0 -----	170.7 ----
P0725	175.8 -----	126.5 -----	195.1 -----	166.8 -----	186.1 -----
P9610	160.6 -----	100.0 ----	191.9 -----	165.5 -----	156.7 ----
KWS Antonio	152.2 ----	100.1 ----	175.0 ----	153.7 ----	144.2 --
Kabanero	156.7 ----	97.8 ----	171.7 ----	154.1 ----	167.7 ----
Mendy	165.1 -----	94.8 ----	197.2 -----	168.0 -----	175.4 -----
LID4040C	163.8 -----	89.8 ----	192.9 -----	160.9 -----	178.1 -----
-Bezugsgrösse(n)	158.9 -----	104.6 -----	178.0 ----	157.6 -----	164.0 -----
Versuchs-Mittel	154.5 ----	98.1 ----	176.6 ----	156.0 ----	159.4 ----
VK [%]	6.6	11.2	5.8	5.3	8.4
KGD (5%)	7.6	22.7	16.8	13.6	22.0
KGD (1%)	10.0	30.8	22.4	18.2	29.4
Versuchs-Streuung	10.2	11.0	10.2	8.3	13.4
FG Fehlerterm	205.0	23.0	46.0	46.0	44.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	33035.2	23	13.74 ***		1.58	0.0000
Anbauorte	300314.3	4	718.19 ***		2.42	0.0000
WW Verf.*Anb.Orte	15719.7	92	1.63 ns		1.33	
Fehler	21430.3	205				
Insgesamt	370499.5	324				

Rendement grain (14% H₂O) [dt/ha] / Kornertrag (14% H₂O) [dt/ha]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	164.3	---
Kidemos KWS	179.7	-----
P8834	196.4	-----
SY Fregat	184.4	-----
DKC 3595	157.4	--
LG 31272	150.4	-
Akanto	172.2	----
SY Granaris	173.9	----
RGT Alpixx	175.1	----
P8902	192.1	-----
Majorque	177.5	-----
Gloriett	183.2	-----
Orinoco	185.8	-----
KXC1366	184.3	-----
SY Bradford	176.0	----
SC3211	200.4	-----
Bone	168.1	----
P9903	195.6	-----
P0725	204.7	-----
P9610	188.9	-----
KWS Antonio	187.8	-----
Kabanero	192.1	-----
Mendy	190.3	-----
LID4040C	197.3	-----
-Bezugsgrösse(n)	190.4	-----
Versuchs-Mittel	182.4	-----
VK [%]	4.3	
KGD (5%)	12.9	
KGD (1%)	17.2	
Versuchs-Streuung	7.8	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel	1567 Delley FR	1896 Vouvry	3065 Habstetten	8194 Hüntwangen ZH
RGT Planoxx	89.8 --	87.4 ----	92.9 --	94.7 ----	87.7 -
Kidemos KWS	92.8 ----	94.9 ----	91.4 -	96.4 ----	87.0 -
P8834	103.5 -----	107.6 -----	102.8 -----	101.3 -----	102.5 -----
SY Fregat	96.5 -----	92.4 -----	97.2 -----	98.7 -----	97.5 -----
DKC 3595	87.7 --	82.9 ---	93.6 --	85.3 -	93.8 ----
LG 31272	88.4 --	90.4 ----	94.6 ---	90.1 ---	87.8 --
Akanto	94.2 ----	77.3 --	101.8 -----	106.0 -----	95.4 ----
SY Granaris	91.6 ---	77.0 --	93.0 --	104.1 -----	92.8 ---
RGT Alpixx	93.0 ----	89.1 ----	93.6 --	97.8 ----	92.8 ---
P8902	101.4 -----	111.3 -----	103.5 -----	93.4 ---	97.9 ----
Majorque	95.7 ----	92.2 ----	96.9 ----	97.2 ----	98.9 ----
Gloriett	104.1 -----	111.7 -----	103.6 -----	104.5 -----	104.4 -----
Orinoco	101.4 -----	101.9 -----	98.0 ----	107.7 -----	101.7 ----
KXC1366	96.0 ----	91.0 ----	96.6 ---	96.4 ----	99.0 ----
SY Bradford	88.6 --	75.8 -	98.5 ----	89.4 --	87.1 -
SC3211	101.9 -----	108.4 -----	89.8 -	103.8 -----	102.2 -----
Bone	84.8 -	71.5 -	91.2 -	88.0 --	85.1 -
P9903	106.0 -----	107.6 -----	110.2 -----	105.3 -----	104.1 -----
P0725	111.5 -----	120.9 -----	109.6 -----	105.8 -----	113.5 -----
P9610	100.6 -----	95.7 ----	107.8 -----	105.0 -----	95.5 ----
KWS Antonio	95.6 ----	95.7 ----	98.3 ----	97.5 ----	87.9 --
Kabanero	98.2 ----	93.5 ----	96.4 ----	97.7 ----	102.2 -----
Mendy	103.0 -----	90.6 ---	110.8 -----	106.6 -----	107.0 -----
LID4040C	101.7 -----	85.9 ---	108.4 -----	102.0 -----	108.6 -----
-Bezugsgrösse(n)	100.0 -----	100.0 -----	100.0 -----	100.0 -----	100.0 -----
Versuchs-Mittel	97.0 ----	93.9 ----	99.2 ----	98.9 ----	97.2 ----
VK [%]	6.8	11.2	5.8	5.3	8.4
KGD (5%)	4.9	21.7	9.4	8.6	13.4
KGD (1%)	6.5	29.5	12.6	11.5	18.0
Versuchs-Streuung	6.6	10.5	5.7	5.2	8.2
FG Fehlerterm	205.0	23.0	46.0	46.0	44.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	14330.1	23	14.14 ***		1.58	0.0000
Anbauorte	1338.2	4	7.59 ***		2.42	0.0001
WW Verf.*Anb.Orte	8500.9	92	2.10 ***		1.33	0.0005
Fehler	9031.3	205				
Insgesamt	33200.5	324				

Rendement relatif [%] / Relativertrag [%]

Verfahren	8566	
	Ellighausen TG	
RGT Planoxx	86.3	---
Kidemos KWS	94.4	-----
P8834	103.2	-----
SY Fregat	96.8	-----
DKC 3595	82.7	--
LG 31272	79.0	-
Akanto	90.4	-----
SY Granaris	91.3	-----
RGT Alpixx	92.0	-----
P8902	100.9	-----
Majorque	93.2	-----
Gloriett	96.2	-----
Orinoco	97.6	-----
KXC1366	96.8	-----
SY Bradford	92.5	-----
SC3211	105.3	-----
Bone	88.3	----
P9903	102.7	-----
P0725	107.5	-----
P9610	99.2	-----
KWS Antonio	98.6	-----
Kabanero	100.9	-----
Mendy	99.9	-----
LID4040C	103.6	-----
-Bezugsgrösse(n)	100.0	-----
Versuchs-Mittel	95.8	-----
VK [%]	4.3	
KGD (5%)	6.8	
KGD (1%)	9.0	
Versuchs-Streuung	4.1	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Précocité [% MS] / Frühereife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
RGT Planoxx	79.4	88.2	81.9	77.1	79.0
Kidemos KWS	79.9	88.5	81.9	75.8	78.9
P8834	79.2	88.4	81.9	75.7	78.6
SY Fregat	81.3	88.9	81.6	78.9	80.3
DKC 3595	80.5	88.9	81.7	77.2	78.6
LG 31272	79.2	88.4	81.4	73.5	77.4
Akanto	80.3	88.2	81.9	78.5	79.8
SY Granaris	78.7	88.8	81.8	76.1	77.7
RGT Alpixx	78.8	88.5	82.0	77.0	79.3
P8902	78.4	88.6	81.6	74.8	78.2
Majorque	78.5	88.7	81.6	74.7	78.3
Gloriett	75.5	86.4	79.7	73.1	74.4
Orinoco	76.6	88.6	80.8	73.4	76.3
KXC1366	76.4	88.5	80.7	74.6	75.2
SY Bradford	77.1	87.6	80.5	73.1	76.2
SC3211	75.2	88.4	81.2	73.0	75.8
Bone	77.1	87.9	81.1	70.1	73.7
P9903	76.3	88.0	81.3	73.2	76.7
P0725	72.4	85.4	76.8	71.0	72.9
P9610	77.8	88.7	81.1	75.4	77.8
KWS Antonio	76.8	88.5	80.8	73.9	75.8
Kabanero	79.0	88.6	81.8	76.5	77.9
Mendy	76.7	88.4	81.2	73.7	77.3
LID4040C	76.1	87.8	81.0	73.8	75.3
-Bezugsgrösse(n)	80.2	88.6	81.7	77.3	79.4
Versuchs-Mittel	77.8	88.2	81.1	74.8	77.1
VK [%]	1.4	0.6	1.0	1.8	1.5
KGD (5%)	0.7	0.8	1.6	2.2	1.9
KGD (1%)	0.9	1.1	2.2	2.9	2.6
Versuchs-Streuung	1.1	0.5	0.8	1.3	1.2
FG Fehlerterm	295.0	46.0	23.0	46.0	46.0
Anz. Beob.	20.0	3.0	2.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1862.1	23	68.96 ***	1.57	0.0000
Anbauorte	11337.3	6	1609.50 ***	2.13	0.0000
WW Verf.*Anb.Orte	911.8	138	5.63 ***	1.26	0.0000
Fehler	346.3	295			
Insgesamt	14457.6	462			

Précocité [% MS] / Frühereife [% TS]

Verfahren	8046 Reckenholz ZH -	8194 Hüntwangen ZH	8566 Ellighausen TG
RGT Planoxx	77.1 -----	76.7 -----	75.5 -----
Kidemos KWS	79.3 -----	78.0 -----	76.8 -----
P8834	78.2 -----	75.6 -----	75.9 -----
SY Fregat	83.4 -----	77.6 -----	78.1 -----
DKC 3595	82.4 -----	77.9 -----	77.0 -----
LG 31272	79.1 -----	78.7 -----	75.9 -----
Akanto	78.7 -----	78.0 -----	76.7 -----
SY Granaris	76.4 -----	76.7 -----	73.2 -----
RGT Alpixx	76.0 -----	75.1 -----	73.4 -----
P8902	75.9 -----	75.8 -----	73.8 -----
Majorque	76.1 -----	75.9 -----	73.9 -----
Gloriett	72.4 ----	72.6 ----	70.1 ----
Orinoco	73.4 ----	71.9 ----	71.6 ----
KXC1366	72.8 ----	72.0 ----	71.3 ----
SY Bradford	76.2 -----	74.2 -----	71.9 ----
SC3211	68.8 --	70.0 --	69.0 ---
Bone	76.6 -----	76.1 -----	74.3 -----
P9903	71.1 ----	72.8 ----	70.9 ----
P0725	65.5 -	68.6 -	66.5 -
P9610	74.8 -----	74.9 -----	71.8 -----
KWS Antonio	73.4 -----	72.3 -----	72.6 -----
Kabanero	76.3 -----	76.7 -----	75.0 -----
Mendy	72.1 ----	72.7 ----	71.7 ----
LID4040C	71.7 ----	72.0 ----	71.5 ----
-Bezugsgrösse(n)	80.8 -----	76.6 -----	77.0 -----
Versuchs-Mittel	75.3 -----	74.7 -----	73.3 -----
VK [%]	2.0	1.2	1.2
KGD (5%)	2.5	1.5	1.4
KGD (1%)	3.4	2.0	1.9
Versuchs-Streuung	1.5	0.9	0.9
FG Fehlerterm	44.0	44.0	46.0
Anz. Beob.	3.0	3.0	3.0

4.4 Auswertung «Serie spät» / Mises en valeur «série tardive»

4.4.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2023	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	27.04.2023	09.10.2023 †
1567	Delley (Avenches)	432	04.05.2023	30.10.2023
1896	Vouvry	404	23.05.2023	23.11.2023
3065	Habstetten	680	20.05.2023	24.11.2023
8046	Reckenholz	440	06.05.2023	12.10.2023 †
8194	Hüntwangen	384	22.05.2023	08.11.2023
8566	Ellighausen	503	26.05.2023	01.11.2023
9465	Salez	445	31.05.2023	Nicht geerntet / pas récolté *

† Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement pas prises en compte pour les mises en valeur.

* Keine Daten für Auswertung berücksichtigt / Aucune donnée prise en compte pour l'évaluation.

4.4.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
RGT Planoxx	RH13048	SC	RAGT 2n	Fenaco, Moudon	KM21/S	
Kidemos KWS	KXB6331	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/S	
P8834	X90M326	SC	Pioneer	Pioneer, Versoix	KM21+KM31/S	
SY Fregat	SB1497	SC	Syngenta, CH	Syngenta, Stein	KM21/S	
DKC 3595	ES3595	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM21/S	
LG 31272	LZM 267/54	SC	Limagrain, Europe	Fenaco, Moudon	KM31/S	SM11/S
Gloriett		SC	RWA AG Wien	?	KM31/e1	
Orinoco		SC	RWA AG Wien	?	KM31/e1	
SY Bradford	SA2080	SC	Syngenta, CH	Syngenta, Stein	KM31/e1	SM21/e1
	SC3211	SC	Syngenta, CH	Syngenta, Stein	KM31/e1	SM21/e1
P9903	X00C209	SC	Pioneer	Pioneer, Versoix	KM41/S	
P0725	X8K803	SC	Pioneer	Pioneer, Versoix	KM42/S	
P9610	X95M764	SC	Pioneer	Pioneer, Versoix	FS	

4.4.3 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager Vegetation	Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
P8834	S	5.67	0.00	-0.13		0.04	0.05	-0.32	0.04	5.35
SY Fregat	S	0.92	5.20	-0.31		0.04	0.05	0.27	-1.39	4.78
P9610	FS	4.09	-3.48	-0.28		-0.10	0.05	0.30	0.05	0.63
P9903	FS	7.64	-7.26	-0.28		0.04	0.05	0.23	0.04	0.46
Kidemos KWS	S	-2.19	1.76	-0.12		0.04	0.05	0.22	-0.25	-0.49
Orinoco	e1	4.13	-6.52	-0.19		0.04	0.05	0.36	-0.47	-2.60
DKC 3595	S	-5.68	3.41	-0.28		0.04	-0.37	0.34	-0.61	-3.15
Gloriett	e1	5.72	-9.12	-0.18		-0.13	0.05	0.30	0.02	-3.34
RGT Planoxx	S	-4.27	0.45	-0.11		0.04	0.05	0.25	0.04	-3.55
LG 31272	S	-5.67	0.00	0.13		-0.04	-0.05	0.32	-0.04	-5.35
P0725	FS	11.25	-17.03	-0.12		0.04	0.05	0.11	0.09	-5.61
SC3211	e1	4.26	-10.01	-0.40		0.04	0.05	0.31	-0.05	-5.80
SY Bradford	e1	-4.24	-5.19	0.26		-0.26	-0.12	-0.01	0.09	-9.47
Bezugsgrößen		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		14	20	20		5	5	15	6	
Anzahl Orte		5	7	7		2	2	5	2	
Gewichtung		1	2.5	0.5	0.25	0.28	0.75	0.25	0.25	

4.4.4 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %	Stängel fäule %
RGT Planoxx	3.7	67.7	66.3	246.1	112.3	45.4	0.0	0.0	0.6
Kidemos KWS	3.7	66.5	64.9	234.0	95.2	40.2	0.0	0.0	4.8
P8834	3.7	67.9	66.6	243.8	128.9	52.8	0.0	0.0	0.6
SY Fregat	4.1	68.4	66.9	248.5	111.1	44.5	0.0	0.0	20.8
DKC 3595	4.0	68.0	66.5	236.5	116.1	49.0	0.0	2.0	9.8
LG 31272	3.2	64.8	63.4	251.8	118.1	46.7	0.3	0.5	1.9
Gloriett	3.8	68.2	67.5	235.7	105.7	44.8	0.8	0.0	1.0
Orinoco	3.9	68.6	67.4	245.7	112.7	45.9	0.0	0.0	7.9
SY Bradford	3.0	64.7	63.1	245.9	119.7	48.6	1.4	0.8	0.0
SC3211	4.3	72.3	70.9	251.2	117.3	46.5	0.0	0.0	1.9
P9903	4.0	70.3	69.1	238.8	103.1	43.1	0.0	0.0	0.6
P0725	3.7	73.9	72.9	271.8	138.9	50.8	0.0	0.0	0.0
P9610	4.0	69.5	68.2	253.3	113.5	44.6	0.6	0.0	0.6
Bezugsgrösse(n)	3.5	66.4	65.0	247.8	123.5	49.7	0.2	0.2	1.3
Versuchs-Mittel	3.8	68.4	67.0	245.9	116.8	47.3	0.1	0.3	3.3
VK [%]	17.4	1.6	1.7	4.4	8.1	8.2	576.4	367.8	151.6
KGD (5%)	0.4	0.8	0.8	7.7	6.8	2.8			5.8
KGD (1%)	0.5	1.0	1.1	10.2	9.0	3.7			7.6
Versuchs-Streuung	0.7	1.1	1.2	10.7	9.5	3.9	0.8	1.2	5.0
FG Fehlerterm	292.0	224.0	223.0	226.0	227.0	227.0	66.0	68.0	88.0
Anz. Beob.	20.0	15.0	15.0	15.0	15.0	15.0	5.0	5.0	6.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	5.0	2.0	2.0	2.0
Minimum	3.0	64.7	63.1	228.8	95.2	40.2	0.0	0.0	0.0
Maximum	4.3	73.9	72.9	271.8	138.9	52.8	1.4	2.0	20.8

Sorten Bezeichnung	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Mais- zünsler %	Effekt. Best. dichte Pfl./m ²	Korn- ertrag 14%H ₂ O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
RGT Planoxx	4.0	0.6	1.1	7.4	142.8	93.7	79.4
Kidemos KWS	4.0	0.7	0.7	7.2	147.3	96.8	79.9
P8834	3.0	3.8	0.2	7.5	164.0	108.0	79.2
SY Fregat	5.0	0.5	1.3	7.5	153.9	100.7	81.3
DKC 3595	4.7	0.1	0.0	7.7	139.8	91.4	80.5
LG 31272	4.3	0.2	0.0	7.4	139.8	92.0	79.2
Gloriett	2.7	0.3	0.9	7.2	164.1	108.5	75.5
Orinoco	3.7	0.0	0.7	7.8	160.7	105.8	76.6
SY Bradford	4.7	2.0	0.0	7.3	142.9	92.6	77.1
SC3211	3.3	0.3	1.1	7.7	161.0	106.4	75.2
P9903	3.0	0.7	0.2	7.5	168.2	110.5	76.3
P0725	2.7	1.4	0.4	7.7	175.8	116.2	72.4
P9610	3.7	0.3	0.6	7.5	160.6	105.0	77.8
Bezugsgrösse(n)	3.7	2.0	0.1	7.4	151.9	100.0	79.2
Versuchs-Mittel	3.7	0.9	0.5	7.5	154.5	101.2	77.8
VK [%]	17.0	171.1	288.6	5.8	6.6	6.8	1.4
KGD (5%)	1.0	1.1		0.3	7.6	5.1	0.7
KGD (1%)	1.4	1.4		0.4	10.0	6.8	0.9
Versuchs-Streuung	0.6	1.5	1.4	0.4	10.2	6.9	1.1
FG Fehlerterm	46.0	226.0	138.0	293.0	205.0	205.0	295.0
Anz. Beob.	3.0	15.0	9.0	20.0	14.0	14.0	20.0
Anz. Orte	1.0	5.0	3.0	7.0	5.0	5.0	7.0
Minimum	2.7	0.0	0.0	7.1	136.7	88.6	72.4
Maximum	5.0	3.8	1.3	7.8	175.8	116.2	81.3



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