



Résultats des essais variétaux de maïs ensilage 2022

Resultate der Hauptversuche Silomais 2022

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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>
		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

Fusariose / Stängelfäule

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

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*
- 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

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 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

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

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

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

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 werden 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 attaquées (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

Die Schweiz verzeichnete den viertmildesten Frühling seit Messbeginn 1864. Extrem mild zeigte sich der Mai als zweitwärmster in der Messreihe. Landesweit war der Frühling niederschlagsarm und gebietsweise einer der sonnigsten seit Beginn der Aufzeichnungen vor über 120 Jahren. Ausgesprochen wenig Niederschlag und viel Sonnenschein brachten die Monate März und Mai.

Temperatur / températures

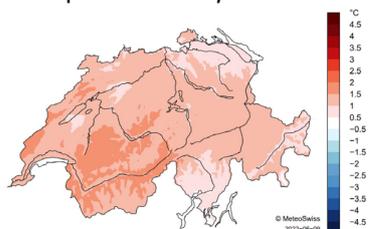


Abb 1: Räumliche Verteilung der Frühlingstemperatur 2022 (März bis Mai) als Abweichung (°C) zur Norm 1991-2020.

Niederschlag / précipitations

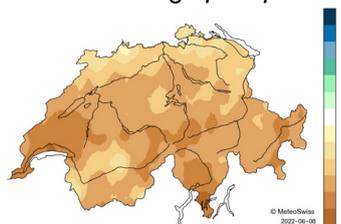


Abb 2: Räumliche Verteilung der Niederschlagssumme im Frühling 2022 (März bis Mai) dargestellt in % der Norm 1991-2020.

Sommer / été

Die Schweiz blickt auf den zweitwärmsten Sommer seit Messbeginn 1864 zurück. Er brachte drei ausgeprägte Hitzeperioden. Die Hitze setzte im Juni ungewöhnlich früh ein und erfasste auch die Monate Juli und August. Zur Hitze gesellte sich über längere Zeit ein massiver Regenmangel. Der wenige Regen liess Platz für viel Sonnenschein, was gebietsweise zum sonnigsten Sommer seit Messbeginn führte.

Sonnenscheindauer / ensoleillement

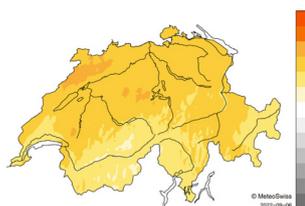


Abb 1: Räumliche Verteilung der Sonnenscheindauer im Sommer 2022 (Juni bis August), dargestellt in in % der Norm 1991-2020.

Niederschlag / précipitations

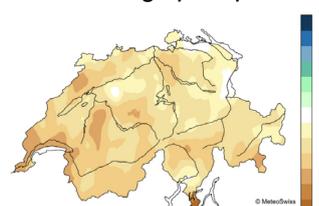


Abb 2: Räumliche Verteilung der Niederschlagssumme im Sommer 2022 (Juni bis August) dargestellt in % der Norm 1991-2020.

Herbst / automne

Der rekordwarme Oktober und die weit überdurchschnittliche Novemberwärme führten im landesweiten Mittel zum drittärmsten Herbst seit Messbeginn 1864. In der westlichen Landeshälfte brachte der Herbst reichlich Niederschlag, während auf der Alpensüdseite und in den daran angrenzenden Gebieten unterdurchschnittliche Mengen fielen. Die herbstliche Sonnenscheindauer bewegte sich in den meisten Gebieten im Bereich der Norm.

Sonnenscheindauer / ensoleillement



Abb 1: Räumliche Verteilung der Sonnenscheindauer im Herbst 2022 (September bis November), dargestellt in % der Norm 1991-2020.

Niederschlag / précipitations

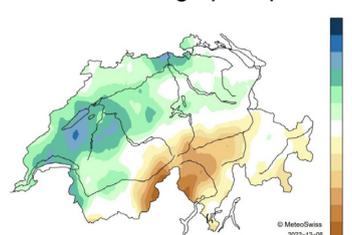


Abb 2: Räumliche Verteilung der Niederschlagssumme im Herbst 2022 (September bis November), dargestellt in % der Norm 1991-2020.

Quelle: MeteoSchweiz 2022: Klimabulletin Frühling/Sommer/Herbst 2022. 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	2022	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	02.05.2022	08.08.2022
1725	Grangeneuve	650	16.05.2022	20.09.2022
3065	Habstetten	690	04.05.2022	07.09.2022
5643	Alikon	490	29.04.2022	22.08.2022
8046	Reckenholz	440	16.05.2022	01.09.2022
8193	Eglisau	390	18.05.2022	29.08.2022
8566	Ellighausen	503	12.05.2022	02.09.2022

4.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
LG 31219	LZM 166/73	SC	Limagrain, Europe	Fenaco, Moudon		SM01/S
LG 31207	LZM 167/39	SC	Limagrain, Europe	Fenaco, Moudon		SM01/S
KWS Damaro	KXB7307	TC	KWS, Einbeck	KWS Suisse SA, Basel		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 Schweiz AG, Basel		SM01/e3
SY Hummer	SA0158	SC	Syngenta, CH	Syngenta, Stein		SM01/e2
LG 31230	LZM170/73	SC	Limagrain, Europe	Fenaco, Moudon		SM01/e2
	SM K0482	SC	von Moreau Saatzucht, D	Samen Steffen, Wikon		SM01/2.
SY Liberty	SA0669	SC	Syngenta, CH	Syngenta, Stein	KM01/e2	SM01/e2
SY Silverbull	SB0108	SC	Syngenta, CH	Syngenta, Stein		SM01/e2
KWS Glasgo	KXC0111	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	SM01/e2
KWS Amarola	KXC0112	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	SM01/e2
KWS Irmo	KXC0312	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/e2
	RH21015	SC	RAGT 2n, F	Fenaco, Moudon		SM01/e1
Wesley	LZM170/52	SC	Limagrain, Europe	Fenaco, Moudon		SM01/e1
	LZM171/74	TC	Limagrain, Europe	Fenaco, Moudon		SM01/e1
(KWS Granturismo)	KXB9317	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/e1
	KXC1012	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
ES Myrdal	ESZ9001	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM01/e1
P7647	X75R467	SC	Pioneer	Pioneer, Versoix		SM01/e1
P7364	X75R466	SC	Pioneer	Pioneer, Versoix		SM01/e1
	SA0060	SC	Syngenta, CH	Syngenta, Stein	KM01/e1	SM01/e1
Silvio	SB0661	SC	Syngenta, CH	Syngenta, Stein		SM01/e1
	EW2969	SC	Monsanto, USA	Bayer CropScience		SM01/e1
Pumori	RH18001	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM01/e1
Neringa	GL162247	SC	RWA AG Wien	Fenaco, Moudon	KM01/e1	SM01/e1
LG 31211	LZM163/74	SC	Limagrain, Europe	Fenaco, Moudon	KM01/S	SM01/T

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

Technische Versuchangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (420 m ü.M.)	Grangeneuve (680 m ü.M.)	Habstetten (690 m ü.M.)	Ailikon (494 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Eilighausen (503m ü.M.)		
Bodenart / type de sol / soil type:	Limono sableux	Moyen	Sandiger Lehm, pH 6.2	Schwach humoser Schlufflehm	Braunerde	Parabraunerde	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):	Pluviométrie: 92.7 mm (Station: Changins) Somme degré-jours: 1500 °C (Station: Changins) / Irrigation: 235mm	Pluviométrie : 577.9 mm (Agronomie Didingen) Somme degré-jours : 1635 °C (Météostation Posieux)	Pluviométrie : 418 mm (Météostation Zziwil) Somme degré-jours : 1576 °C (Météostation Zziwil)	349.6 mm (Météostation Hoherrain) 1636 °C (Météostation Hoherrain)	238.6 mm (Météostation Reckenholz) 1694.05 °C (Météostation Reckenholz)	274.2 mm (Météostation Wfl) 1487.1 °C (Météostation Wfl)	311.8 mm (Météostation Eilighausen) 1519.2 °C (Météostation 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:	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 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		
Vorfrucht / précédent cultural / previous crop:	luzerne	Prairie / Kunstwiese / temporary grassland	orgie	Zuckerrüben / Winterbegrünung mit Weizen	Kunstwiese / prairie temporaire / temporary grassland	Winterweizen / Phacelia OHS	Winterweizen / Phacelia		
Bodenbearbeitung / travail du sol / soil cultivation:	Labour 28.04.2022 herse à disque 29.04.2022 herse rotative 02.05.2022	13.05.2022 labour 16.05.22 herse rotative 19.05.2022 passage rouleau prismatique	Pflug und Kreiselegge / charrue et herse relative / plough and rotary harrow 16.04. et 2.05.	28.04.2022 Streifen gefräst	10.05.22 Pflug + Eggen, 16.05.22 Kreiselegge	16.04.22 Pflug, 17.05.22 Kreiseleggen	15.04.22 Pflug, 17.04.22 Kulturegge, 10.05.22 2x Kreiselegge		
Saat / date de semis / sowing date:	02.05.22 (jour 123)	16.05.22 (jour 136)	04.05.2022 (jour 124)	29.04.2022 (jour 119)	16.05.2022 (jour 136)	18.05.2022 (jour 138)	12.05.2022 (jour 132)		
Ernte / date de récolte / harvest date:	06.06.22 (jour 220)	20.09.22 (jour 263)	07.09.2022 (jour 250)	22.08.2022 (jour 234)	01.09.2022 (jour 244)	29.08.2022 (jour 241)	02.09.2022 (jour 245)		
Saatchichte / densité de semis / sowing density:	10.5 Körner / grains pro m²	10.5 Körner / grains pro m²	10.5 Körner / grains pro m²	11.0 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	97 Tage / jours / days	127 Tage / jours / days	126 Tage / jours / days	116 Tage / jours / days	106 Tage / jours / days	104 Tage / jours / days	112 Tage / jours / day		
Reihenabstand / inter-rows / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm		
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	14.06.22 Hacken gekoppelt mit Düngung	-	-		

Standort / lieu / site:	Nyon (420 m ü.M.)	Grangeneuve (680 m ü.M.)	Habstetten (690 m ü.M.)	Alikon (494 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Eilighausen (503m ü.M.)
Chemische Unkrautbekämpfung / dés herbage chimique / chemical weed control:	Gardo Gold 4 l/ha, BanvelMS 0.5 l/ha, Elumis 1.3 l/ha (25.05.2022)	10.06.2022 Equip Power 1.5 l/ha	31.05.22 Elumis 1.2 l /ha Gardo Gold 2.4 l /ha	Winterbegrünung am 19.04.22 adgespritzt (Glyphosat 4l/ha u. Checkpoint 0.2l/ha), 14.05.22 Equip Power 1.4l/ha und Spectrum 1.4l/ha	16.05.22 Aspect 2l/ha + Laudis 2. l/ha	27.05.22 3l/ha Spectrum Gold BASF W-6896	02.06.22 1.5l/ha Aspekt + 2l/ha Laudis
Grunddüngung / fumure de base / basic fertilisation:	compost 49 m³/ha 20.20.40 (10.03.2022); 99N 99 P2O5 198 K2O		14.04.22: Kall 60 %; 200 kg/ha; Granuphos 17 %; 300 kg /ha = 51 kg P/ha, 120 kg K/ha	11.4.22 Schweinegülle verdünnt 30m³ (60N / 38P / 44K Perlika Kalkstickstoff 4d/ha (79.2 kg N/ha) / 38K kg N/ha)	18.11.22 Kompost 50t, 11.05.22 Perlika Kalkstickstoff 4d/ha (79.2 kg N/ha)	17.05.22 209kg/ha Landor 0.20.30 (41 kg P2O5/ha)	25.06.21 30m³ Rindergülle 1:1 (120kg N/ha)
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacale (28.04.22): 222 kg N/ha = 60 kg N/ha; Urée perée 46% (31.05.22): 190 kg N/ha = 87kg N/ha	10.06.2022 150 kg/ha Nitrate sulfo-magnésien (24 N, 5 mg, 7 S) 36 kg N/ha; 23.06.2022 210 kg/ha Urée (46%) 96 kg N/ha	21.05.22: 38 kg N/ha (ammonitrate 27.5%); 06.06.22: 75 kg N/ha (Harnstoff 46%)	Düngung bei Saat 100kg/ha Ammonsalpeter 27% (27 kg N/ha); 23.05.22 Harnstoff 46% 120kg/ha (55 kg N/ha)	14.06.22 Harnstoff 130 kg/ha (59.9 kg N/ha)	17.05.22 209kg/ha Harnstoff 46% (96 kg N/ha)	19.05.22 Ammonsalpeter (40kg N/ha), 05.06.2022 Ammonsalpeter (200kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	02.05.22 160.1kg N/ha (0-60cm)		04.05.22 60.6kg N/ha(0-60cm)	-	16.05.2022 116.2kg N/ha	18.05.22 51.2kg N/ha (0-60cm)	12.05.22 173kg N/ha
Ernte / Récolte / harvest:	Baural Maishäcksel / ensileuse	Baural Maishäcksel / ensileuse	Baural Maishäcksel / ensileuse	New Holland Versuchsmaishäcksel	New Holland Versuchsmaishäcksel	New Holland Versuchsmaishäcksel	New Holland Versuchsmaishäcksel

4.1.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwicklung	Wurzellag. Veget.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
DKC 3218	e3	1.55	5.58	2.47	0.22	-0.15	2.50	0.24	0.12	7.13	5.40	12.53
EW2969	e1	-0.88	0.27	2.38	0.00	-0.30	5.36	0.34	0.22	-0.61	8.01	7.40
Wesley	e1	0.16	2.76	2.54	-0.09	0.00	1.48	0.14	0.21	2.92	4.27	7.19
KXC1012	e1	1.84	-5.43	6.30	0.02	-0.15	-1.18	-0.42	-0.08	-3.59	4.51	0.92
KWS Odorico	S	1.19	-1.93	-1.53	-0.05	0.00	3.26	-0.13	-0.04	-0.74	1.51	0.77
ES Myrdal	e1	-0.94	-2.16	2.34	0.14	-0.15	1.33	0.01	0.16	-3.10	3.83	0.73
LZM171/74	e1	-5.25	1.42	2.63	0.17	-0.30	1.73	0.14	-0.51	-3.83	3.86	0.03
Silvio	e1	-5.00	4.91	1.41	0.02	0.00	-1.51	-0.07	-0.17	-0.09	-0.31	-0.40
LG 31217	S	-1.19	1.93	1.53	0.05	0.00	-3.26	0.13	0.04	0.74	-1.51	-0.77
LG 31230	e2	-3.95	1.74	2.58	0.00	0.00	-0.27	-1.02	0.10	-2.21	1.38	-0.83
LG 31207	S	-9.32	2.25	2.43	0.29	-0.30	2.80	0.13	-0.37	-7.07	4.98	-2.09
KWS Papageno	S	-1.74	0.41	2.71	-0.02	-0.15	-2.35	-0.27	-0.71	-1.33	-0.80	-2.13
SA0060	e1	-2.05	-2.83	-0.33	-0.05	0.15	2.29	0.22	-0.10	-4.88	2.17	-2.71
Emeleen	S	-3.55	-0.93	2.58	0.07	-0.15	-0.92	-0.11	-0.31	-4.48	1.16	-3.32
KWS Granturismo	e1	-10.50	4.28	-0.70	0.14	0.15	3.02	0.29	-0.19	-6.22	2.71	-3.51
LG 31211	T	-0.98	-5.99	2.01	0.05	-0.15	0.76	0.29	0.04	-6.97	3.00	-3.97
SY Silverbull	e2	-1.44	-12.09	6.14	-0.12	0.00	4.28	-0.80	0.01	-13.53	9.51	-4.02
KWS Glasgo	e2	-5.00	-0.41	0.38	-0.12	0.15	-0.16	0.29	0.19	-5.41	0.73	-4.68
KWS Irmo	e2	-7.74	1.53	-0.69	0.12	0.15	1.12	0.19	0.16	-6.21	1.05	-5.16
LG 31219	S	-6.71	-4.79	0.96	0.02	0.15	4.76	0.29	0.12	-11.50	6.30	-5.20
KWS Damaro	S	-2.85	-0.79	-1.05	-0.05	0.15	-2.42	0.05	-0.26	-3.64	-3.58	-7.22
Amarola	e2	-4.62	1.08	0.10	-0.05	0.15	-4.32	-0.29	0.05	-3.54	-4.36	-7.90
SY Hummer	e2	-4.92	-3.49	-0.86	-0.07	-0.15	0.20	0.29	-0.23	-8.41	-0.82	-9.23
RH21015	e1	-13.34	2.22	0.73	0.05	0.00	0.75	0.17	-0.09	-11.12	1.61	-9.51
P7364	e1	-14.66	-0.86	5.61	0.19	-0.15	0.04	0.12	-0.43	-15.52	5.38	-10.14
Neringa	e1	-6.54	-5.72	0.04	-0.02	-0.15	-0.83	0.07	0.26	-12.26	-0.63	-12.89
P7647	e1	-10.26	0.15	1.20	-0.05	-0.15	-6.71	-0.06	-0.26	-10.11	-6.03	-16.14
Pumori	e1	-11.36	-5.18	-2.40	0.00	0.15	0.19	0.34	0.23	-16.54	-1.49	-18.03
SM K0482	2.	-10.96	-0.18	-2.02	-0.05	0.15	-5.30	0.13	-0.53	-11.14	-7.62	-18.76
SY Liberty	e2	-8.81	-0.48	-0.97	0.07	-0.30	-12.29	-0.02	-0.21	-9.29	-13.72	-23.01
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anz. Beob.		21	21	21	21	3	9	6	12			
Anz. Orte		7	7	7	7	1	3	2	4			
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25			

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 %	Wurzel- lager Veg. %	Wurzel- lager Ernte %	Stängel- bruch Ernte %
LG 31219	5.0	61.7	59.4	272.5	107.9	39.6	0.0	7.2	0.2
LG 31207	4.5	61.7	60.3	285.8	112.6	39.4	12.5	13.3	1.0
KWS Damarico	5.1	63.1	62.0	257.8	115.8	45.2	0.0	29.6	1.4
KWS Papageno	5.1	62.4	61.3	272.6	114.2	41.8	8.3	29.4	2.9
KWS Odorico	5.1	63.1	61.1	274.3	116.8	42.3	4.2	11.9	2.2
LG 31217	5.0	63.0	61.7	280.8	114.5	40.6	4.2	32.2	1.0
Emeleen	4.9	61.8	60.5	278.7	107.3	38.5	8.3	24.9	2.1
DKC 3218	4.6	63.4	62.5	267.1	105.2	39.3	8.3	14.3	0.5
SY Hummer	5.2	63.6	62.3	267.5	115.1	42.8	8.3	21.4	0.2
LG 31230	5.0	62.8	61.8	277.0	113.0	40.8	4.2	22.9	6.4
SM K0482	5.1	64.7	63.0	281.8	123.7	43.7	0.0	38.6	1.0
SY Liberty	4.9	63.1	61.8	279.9	132.3	47.1	12.5	60.3	1.7
SY Silverbull	5.3	61.4	59.7	247.4	93.5	37.8	4.2	8.8	5.3
KWS Glasgo	5.3	65.2	63.4	280.9	131.3	46.8	0.0	22.6	0.2
Amarola	5.1	64.3	62.1	282.5	125.9	44.4	0.0	35.5	2.9
KWS Irmo	4.8	63.8	62.8	278.3	124.9	45.1	0.0	18.6	0.7
RH21015	5.0	63.0	61.7	285.8	119.9	41.8	4.2	19.7	0.8
Wesley	5.2	63.3	62.2	274.3	112.0	40.7	4.2	17.5	0.9
LZM171/74	4.7	62.0	60.1	274.8	118.1	43.0	12.5	16.7	0.9
KWS Granturismo	4.8	64.0	62.3	274.2	126.7	46.2	0.0	12.7	0.2
KXC1012	5.0	60.8	58.8	261.3	103.7	39.5	8.3	25.7	3.5
ES Myrdal	4.8	61.5	60.8	290.7	106.8	36.5	8.3	17.9	1.6
P7647	5.1	64.1	62.2	278.6	125.9	45.2	8.3	42.9	1.8
P7364	4.7	62.0	60.0	275.3	113.1	41.0	8.3	21.9	1.0
SA0060	5.1	63.3	61.8	253.8	102.8	40.4	0.0	14.9	0.6
Silvio	5.0	64.1	63.6	276.3	120.8	43.6	4.2	26.8	1.9
EW2969	5.0	62.7	61.6	264.9	98.0	37.1	12.5	5.4	0.0
Pumori	5.0	63.1	61.9	277.0	127.1	45.7	0.0	21.5	0.0
Neringa	5.1	62.4	60.6	278.3	112.2	40.0	8.3	24.6	1.3
LG 31211	5.0	62.0	60.4	265.0	105.4	39.8	8.3	19.7	0.2
Bezugsgrösse(n)	5.0	63.0	61.4	277.5	115.6	41.5	4.2	22.1	1.6
Versuchs-Mittel	5.0	62.9	61.4	273.8	114.9	41.9	5.4	22.6	1.5
VK [%]	14.3	1.4	1.5	3.1	8.1	8.0	99.4	69.1	257.7
KGD (5%)	0.4	0.7	0.7	6.9	7.4	2.7	8.8	14.6	
KGD (1%)		1.0	1.0	9.1	9.8	3.6		19.2	
Versuchs-Streuung	0.7	0.9	0.9	8.5	9.3	3.4	5.4	15.6	3.8
FG Fehlerterm	396.0	226.0	228.0	226.0	226.0	228.0	56.0	168.0	112.0
Anz. Beob.	21.0	12.0	12.0	12.0	12.0	12.0	3.0	9.0	6.0
Anz. Orte	7.0	4.0	4.0	4.0	4.0	4.0	1.0	3.0	2.0
Minimum	4.5	60.8	58.8	247.4	93.5	36.5	0.0	5.4	0.0
Maximum	5.3	65.2	63.6	290.7	132.3	47.1	12.5	60.3	6.4

Sorten Bezeichnung	Beulen- brand %	Mais- zünsl. %	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
LG 31219	1.2	1.2	9.6	567.5	204.7	36.5	141.9	78.4	691.7
LG 31207	4.6	0.5	9.9	583.8	218.8	37.7	151.0	83.5	685.1
KWS Damaro	3.9	2.9	9.4	617.2	212.7	34.9	149.9	81.6	701.3
KWS Papageno	7.0	0.0	9.8	578.3	215.1	37.9	152.2	82.6	704.1
KWS Odorico	2.3	0.8	9.7	615.9	210.4	34.5	150.4	84.4	711.4
LG 31217	1.8	0.7	9.7	601.0	218.2	37.0	153.5	85.8	705.5
Emeleen	4.2	1.6	9.7	566.7	212.4	37.8	149.2	81.6	699.6
DKC 3218	1.2	0.7	8.8	601.0	225.4	37.7	160.8	81.5	712.3
SY Hummer	3.6	0.2	9.7	600.0	207.3	35.1	144.9	79.8	696.1
LG 31230	1.3	1.0	9.9	582.3	217.8	37.8	153.1	87.4	698.6
SM K0482	5.8	0.3	9.7	635.6	213.9	34.1	143.2	80.2	681.0
SY Liberty	3.5	0.5	9.6	613.7	213.3	35.0	147.1	78.5	686.4
SY Silverbull	2.0	1.2	9.7	478.9	190.1	40.7	135.2	75.4	704.9
KWS Glasgo	0.7	0.5	9.8	597.9	213.5	36.1	149.6	82.2	696.0
Amarola	1.7	1.2	9.9	612.2	216.5	35.8	151.4	83.9	696.9
KWS Irmo	1.0	1.2	9.6	631.5	217.3	35.2	150.9	80.4	689.1
RH21015	2.7	0.3	9.0	602.1	218.7	36.3	148.1	73.5	675.1
Wesley	0.6	0.9	9.8	587.4	219.8	37.8	156.5	88.1	708.9
LZM171/74	5.6	0.9	9.7	577.7	217.1	37.9	151.5	83.1	695.3
KWS Granturismo	3.4	0.8	9.4	639.2	222.9	35.2	153.2	80.3	682.2
KXC1012	2.6	1.2	9.7	505.0	203.4	40.8	145.3	84.1	713.0
ES Myrdal	0.9	0.3	9.3	565.6	210.0	37.6	149.4	82.1	706.1
P7647	3.9	2.1	9.2	591.5	214.6	36.7	147.2	79.4	682.8
P7364	5.0	0.3	9.1	542.1	212.6	40.2	143.0	78.5	671.8
SA0060	2.8	0.2	9.7	593.8	208.6	35.5	147.1	84.0	703.3
Silvio	3.2	0.5	9.8	617.1	224.1	36.9	157.1	86.9	696.0
EW2969	0.5	1.3	9.5	572.4	214.8	37.7	152.3	84.9	706.2
Pumori	0.4	1.1	8.7	608.1	203.9	33.8	139.5	81.1	680.0
Neringa	0.2	0.6	9.3	571.9	202.9	35.8	141.4	74.4	692.1
LG 31211	1.7	1.3	9.1	546.3	202.3	37.4	141.6	79.5	706.0
Bezugsgrösse(n)	2.1	0.7	9.7	608.4	214.3	35.8	152.0	85.1	708.5
Versuchs-Mittel	2.6	0.9	9.5	586.8	212.8	36.8	148.6	81.6	696.0
VK [%]	102.7	171.7	5.9	7.6	7.4	4.3	8.4	11.4	2.7
KGD (5%)	2.2		0.3	27.1	9.5	1.0	7.6	5.7	11.5
KGD (1%)	2.9		0.5	35.7	12.5	1.3	10.0	7.4	15.2
Versuchs-Streuung	2.7	1.5	0.6	44.7	15.7	1.6	12.5	9.3	19.0
FG Fehlerterm	230.0	112.0	396.0	389.0	393.0	394.0	394.0	396.0	394.0
Anz. Beob.	12.0	6.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Anz. Orte	4.0	2.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	0.2	0.0	8.7	478.9	190.1	33.8	135.2	73.5	671.8
Maximum	7.0	2.9	9.9	639.2	225.4	40.8	160.8	88.1	713.0

Sorten Bezeichnung	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/ kg TS	NEV Gehalt MJ/ kg TS
LG 31219	377.2	182.5	420.8	76.6	6.3	6.4
LG 31207	371.4	182.8	430.7	77.0	6.2	6.3
KWS Damaro	375.4	175.2	407.2	76.0	6.4	6.5
KWS Papageno	376.4	173.2	397.1	76.5	6.4	6.6
KWS Odorico	391.8	167.6	389.0	79.7	6.5	6.7
LG 31217	387.6	179.1	421.3	71.5	6.4	6.6
Emeleen	377.3	179.2	421.5	76.9	6.4	6.5
DKC 3218	354.8	179.2	418.4	76.9	6.5	6.7
SY Hummer	378.3	181.6	414.9	77.0	6.3	6.5
LG 31230	391.1	174.3	412.7	78.2	6.3	6.5
SM K0482	367.1	189.7	436.0	75.8	6.1	6.3
SY Liberty	356.6	189.4	438.1	78.6	6.2	6.3
SY Silverbull	383.4	175.4	417.5	77.8	6.4	6.6
KWS Glasgo	373.0	179.8	423.1	75.3	6.3	6.5
Amarola	378.7	176.9	414.4	75.2	6.3	6.5
KWS Irmo	359.7	182.8	424.5	76.3	6.2	6.4
RH21015	329.0	199.6	460.0	75.0	6.1	6.2
Wesley	392.5	177.6	417.7	71.6	6.5	6.7
LZM171/74	376.9	182.7	426.9	75.4	6.3	6.5
KWS Granturismo	350.9	185.9	433.5	74.7	6.2	6.3
KXC1012	406.2	167.7	395.5	75.6	6.5	6.7
ES Myrdal	381.4	176.1	400.6	78.5	6.4	6.6
P7647	363.1	189.8	440.0	76.0	6.2	6.3
P7364	365.9	194.0	457.1	72.9	6.1	6.1
SA0060	396.9	178.1	415.5	74.7	6.4	6.6
Silvio	377.3	179.5	425.3	73.8	6.3	6.5
EW2969	389.0	175.5	419.2	74.9	6.4	6.6
Pumori	388.8	179.8	419.7	78.9	6.1	6.3
Neringa	358.4	177.3	415.8	80.3	6.3	6.4
LG 31211	391.7	178.4	419.8	74.3	6.4	6.6
Bezugsgrösse(n)	389.7	173.4	405.1	75.6	6.4	6.6
Versuchs-Mittel	375.6	180.4	421.1	76.1	6.3	6.5
VK [%]	7.1	7.1	5.7	4.1	3.4	4.2
KGD (5%)	16.3	7.8	14.7	1.9	0.1	0.2
KGD (1%)	21.4	10.2	19.3	2.5	0.2	0.2
Versuchs-Streuung	26.8	12.8	24.2	3.1	0.2	0.3
FG Fehlerterm	398.0	396.0	396.0	398.0	394.0	394.0
Anz. Beob.	21.0	21.0	21.0	21.0	21.0	21.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	329.0	167.6	389.0	71.5	6.1	6.1
Maximum	406.2	199.6	460.0	80.3	6.5	6.7

4.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
LG 31219	5.0 -----	6.0 -----	5.7 -----	5.0 ---	5.3 -----
LG 31207	4.5 -	5.3 --	6.0 -----	6.0 -----	2.7 -
KWS Damario	5.1 -----	5.0 -	5.3 ---	5.7 -----	4.3 -----
KWS Papageno	5.1 -----	6.3 -----	5.7 -----	5.7 -----	3.7 ---
KWS Odorico	5.1 -----	6.3 -----	6.0 -----	5.7 -----	5.0 -----
LG 31217	5.0 -----	5.7 ----	5.7 -----	5.7 -----	4.3 -----
Emeleen	4.9 -----	6.3 -----	5.3 ---	5.0 ---	4.3 -----
DKC 3218	4.6 --	5.7 ----	5.0 -	5.3 -----	3.3 ---
SY Hummer	5.2 -----	7.0 -----	6.0 -----	6.0 -----	5.0 -----
LG 31230	5.0 -----	6.7 -----	5.7 -----	6.0 -----	2.7 -
SM K0482	5.1 -----	6.7 -----	6.0 -----	6.0 -----	3.0 --
SY Liberty	4.9 -----	6.7 -----	5.3 ---	6.3 -----	4.0 -----
SY Silverbull	5.3 -----	5.7 ----	5.3 ---	5.3 -----	6.3 -----
KWS Glasgo	5.3 -----	6.0 -----	5.7 -----	5.7 -----	4.0 -----
Amarola	5.1 -----	6.0 -----	6.0 -----	5.7 -----	3.3 ---
KWS Irmo	4.8 -----	5.7 ----	5.3 ---	5.0 ---	3.7 -----
RH21015	5.0 -----	6.7 -----	6.0 -----	6.0 -----	2.7 -
Wesley	5.2 -----	6.7 -----	5.7 -----	5.7 -----	4.3 -----
LZM171/74	4.7 ---	6.3 -----	6.0 -----	6.3 -----	2.3 -
KWS Granturismo	4.8 ---	5.7 ----	5.7 -----	5.7 -----	3.0 --
KXC1012	5.0 -----	6.7 -----	6.0 -----	6.0 -----	4.3 -----
ES Myrdal	4.8 -----	6.7 -----	6.0 -----	6.0 -----	3.0 --
P7647	5.1 -----	5.7 ----	6.0 -----	5.3 -----	4.7 -----
P7364	4.7 ---	6.3 -----	6.3 -----	5.7 -----	4.0 -----
SA0060	5.1 -----	5.3 --	5.3 ---	4.7 -	4.7 -----
Silvio	5.0 -----	6.0 -----	5.7 -----	5.3 -----	3.3 ---
EW2969	5.0 -----	5.3 --	5.3 ---	6.0 -----	4.0 -----
Pumori	5.0 -----	5.3 --	5.0 -	5.3 -----	4.3 -----
Neringa	5.1 -----	6.0 -----	5.3 ---	5.3 -----	4.7 -----
LG 31211	5.0 -----	5.7 ----	6.0 -----	6.3 -----	3.3 ---
-Bezugsgrösse(n)	5.0 -----	6.0 -----	5.8 -----	5.7 -----	4.7 -----
Versuchs-Mittel	5.0 -----	6.0 -----	5.7 -----	5.7 -----	3.9 -----
VK [%]	14.3	11.5	7.6	9.6	20.6
KGD (5%)	0.4	1.1	0.7	0.9	1.3
KGD (1%)	ns	ns	ns	ns	1.8
Versuchs-Streuung	0.7	0.7	0.4	0.5	0.8
FG Fehlerterm	396.0	58.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	24.9	29	1.69 *	1.50	0.0153
Anbauorte	341.0	6	111.94 ***	2.12	0.0000
WW Verf.*Anb.Orte	244.3	174	2.76 ***	1.23	0.0001
Fehler	201.1	396			
Insgesamt	811.3	605			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31219	4.7 -----	4.7 -----	3.7 ----
LG 31207	4.7 -----	4.0 ---	2.7 --
KWS Damaro	5.0 -----	5.0 -----	5.7 -----
KWS Papageno	5.0 -----	5.3 -----	4.0 ----
KWS Odorico	3.7 ---	4.7 -----	4.7 -----
LG 31217	4.0 -----	4.7 -----	4.7 -----
Emeleen	4.3 -----	4.0 ---	5.0 -----
DKC 3218	4.7 -----	4.7 -----	3.7 ----
SY Hummer	3.3 --	4.0 ---	5.0 -----
LG 31230	4.7 -----	5.3 -----	4.3 ----
SM K0482	4.7 -----	5.0 -----	4.7 -----
SY Liberty	3.0 -	3.7 --	5.3 -----
SY Silverbull	5.0 -----	4.7 -----	4.7 -----
KWS Glasgo	4.7 -----	4.7 -----	6.3 -----
Amarola	5.0 -----	5.0 -----	5.0 -----
KWS Irmo	5.3 -----	5.3 -----	3.3 ----
RH21015	4.0 ----	4.0 ---	5.3 -----
Wesley	5.3 -----	5.0 -----	4.0 ----
LZM171/74	4.0 ----	4.3 ----	3.7 ----
KWS Granturismo	4.3 ----	4.7 -----	4.3 ----
KXC1012	4.0 ----	4.3 ----	3.7 ----
ES Myrdal	3.7 ---	4.0 ---	4.0 ----
P7647	5.0 -----	4.3 ----	5.0 -----
P7364	4.3 ----	4.0 ---	2.0 -
SA0060	5.0 -----	6.0 -----	5.0 -----
Silvio	4.3 ----	4.7 -----	5.7 -----
EW2969	5.0 -----	4.7 -----	5.0 -----
Pumori	5.0 -----	6.0 -----	4.3 ----
Neringa	4.3 ----	5.0 -----	5.0 -----
LG 31211	3.7 ---	3.3 -	6.3 -----
-Bezugsgrösse(n)	3.8 ----	4.7 -----	4.7 -----
Versuchs-Mittel	4.5 -----	4.6 -----	4.5 -----
VK [%]	11.3	15.0	24.2
KGD (5%)	0.8	1.1	1.8
KGD (1%)	1.1	1.5	2.4
Versuchs-Streuung	0.5	0.7	1.1
FG Fehlerterm	56.0	56.0	56.0
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
LG 31219	61.7 ---	58.7 ----	61.0 ---	69.0 ---	58.0 --
LG 31207	61.7 ---	58.7 ----	61.0 ---	68.3 --	58.7 ----
KWS Damario	63.1 -----	61.3 -----	62.7 -----	68.3 --	60.0 -----
KWS Papageno	62.4 ---	59.7 -----	61.7 ---	68.7 --	59.7 -----
KWS Odorico	63.1 -----	60.3 -----	62.3 -----	69.7 -----	60.0 -----
LG 31217	63.0 -----	61.3 -----	62.0 ----	68.7 --	60.0 -----
Emeleen	61.8 ---	59.0 ----	61.7 ----	68.3 --	58.3 ---
DKC 3218	63.4 -----	61.3 -----	62.0 ----	70.0 -----	60.3 -----
SY Hummer	63.6 -----	60.7 -----	63.0 -----	70.7 -----	60.0 -----
LG 31230	62.8 -----	60.3 -----	62.3 -----	69.3 ----	59.3 ----
SM K0482	64.7 -----	62.0 -----	63.7 -----	71.7 -----	61.3 -----
SY Liberty	63.1 -----	60.7 -----	62.3 -----	69.3 ----	60.0 -----
SY Silverbull	61.4 --	59.0 ----	59.7 -	70.0 -----	57.0 -
KWS Glasgo	65.2 -----	62.3 -----	66.0 -----	71.3 -----	61.0 -----
Amarola	64.3 -----	61.3 -----	64.3 -----	70.3 -----	61.3 -----
KWS Irmo	63.8 -----	61.3 -----	63.0 -----	70.0 -----	60.7 -----
RH21015	63.0 -----	59.0 ----	63.7 -----	68.3 --	61.0 -----
Wesley	63.3 -----	61.3 -----	62.3 -----	69.7 -----	60.0 -----
LZM171/74	62.0 ---	59.0 ----	61.0 ---	68.7 --	59.3 ----
KWS Granturismo	64.0 -----	61.3 -----	63.0 -----	69.3 ----	62.3 -----
KXC1012	60.8 -	56.3 -	60.3 --	69.0 ---	57.3 -
ES Myrdal	61.5 --	58.3 ----	61.0 ---	68.3 --	58.3 ---
P7647	64.1 -----	61.3 -----	64.3 -----	69.3 ----	61.3 -----
P7364	62.0 ---	59.0 ----	61.7 ---	68.3 --	59.0 ---
SA0060	63.3 -----	60.0 -----	62.0 ----	71.0 -----	60.0 -----
Silvio	64.1 -----	62.0 -----	64.0 -----	70.3 -----	60.0 -----
EW2969	62.7 -----	60.3 -----	61.7 ----	69.0 ---	59.7 -----
Pumori	63.1 -----	60.3 -----	61.7 ----	70.0 -----	60.3 -----
Neringa	62.4 ----	59.7 -----	61.3 ---	69.0 ---	59.7 -----
LG 31211	62.0 ---	60.0 -----	61.0 ---	68.0 -	59.0 ----
-Bezugsgrösse(n)	63.0 -----	60.8 -----	62.2 -----	69.2 ----	60.0 -----
Versuchs-Mittel	62.9 ----	60.2 -----	62.3 ----	69.4 ----	59.8 -----
VK [%]	1.4	1.6	1.7	1.3	1.2
KGD (5%)	0.7	1.5	1.7	1.4	1.2
KGD (1%)	1.0	2.0	2.3	1.9	1.6
Versuchs-Streuung	0.9	0.9	1.1	0.9	0.7
FG Fehlerterm	226.0	58.0	56.0	56.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	386.0	29	16.19 ***	1.52	0.0000
Anbauorte	5379.6	3	2181.69 ***	2.65	0.0000
WW Verf.*Anb.Orte	139.9	87	1.96 ***	1.33	0.0007
Fehler	185.8	226			
Insgesamt	6091.2	345			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31219	59.4 --	56.3 ---	58.0 -	67.0 ---	56.3 -
LG 31207	60.3 ----	57.7 -----	59.0 ---	66.3 --	58.0 ---
KWS Damario	62.0 -----	59.7 -----	60.7 -----	66.3 --	61.3 -----
KWS Papageno	61.3 ----	58.7 -----	59.7 ---	66.7 --	60.3 -----
KWS Odorico	61.1 ----	58.0 -----	59.0 ---	67.7 -----	59.7 -----
LG 31217	61.7 -----	60.0 -----	60.0 ---	66.7 --	60.0 -----
Emeleen	60.5 ---	58.0 -----	59.7 ---	66.3 --	58.0 ---
DKC 3218	62.5 -----	60.0 -----	60.0 ---	68.0 -----	62.0 -----
SY Hummer	62.3 -----	59.3 -----	61.0 -----	68.7 -----	60.0 -----
LG 31230	61.8 -----	59.3 -----	60.3 -----	67.3 ---	60.0 -----
SM K0482	63.0 -----	60.3 -----	61.3 -----	69.7 -----	60.7 -----
SY Liberty	61.8 -----	59.7 -----	60.3 -----	67.3 ---	60.0 -----
SY Silverbull	59.7 --	56.3 ---	57.7 -	68.0 -----	56.7 --
KWS Glasgo	63.4 -----	60.0 -----	64.0 -----	69.3 -----	60.3 -----
Amarola	62.1 -----	59.0 -----	61.3 -----	68.3 -----	59.7 -----
KWS Irmo	62.8 -----	60.0 -----	61.0 -----	68.0 -----	62.0 -----
RH21015	61.7 -----	58.0 -----	61.7 -----	66.3 --	60.7 -----
Wesley	62.2 -----	60.0 -----	60.3 -----	67.7 -----	60.7 -----
LZM171/74	60.1 ---	57.3 ---	59.0 ---	66.7 --	57.3 ---
KWS Granturismo	62.3 -----	59.0 -----	61.0 -----	67.3 ---	61.7 -----
KXC1012	58.8 -	54.3 -	57.7 -	67.0 ---	56.0 -
ES Myrdal	60.8 ---	58.0 -----	59.0 ---	66.3 --	59.7 -----
P7647	62.2 -----	60.0 -----	61.7 -----	67.3 ---	59.7 -----
P7364	60.0 ---	57.3 ---	58.3 --	66.3 --	58.0 ---
SA0060	61.8 -----	58.7 -----	59.7 ---	69.0 -----	59.7 -----
Silvio	63.6 -----	61.0 -----	62.0 -----	68.3 -----	63.0 -----
EW2969	61.6 -----	59.7 -----	59.7 ---	67.0 ---	60.0 -----
Pumori	61.9 -----	59.3 -----	59.7 ---	68.0 -----	60.7 -----
Neringa	60.6 ---	58.7 -----	58.0 -	67.0 ---	58.7 ---
LG 31211	60.4 ---	58.7 -----	58.3 --	66.0 -	58.7 ---
-Bezugsgrösse(n)	61.4 ----	59.0 -----	59.5 ---	67.2 ---	59.8 -----
Versuchs-Mittel	61.4 ----	58.7 -----	60.0 ---	67.4 ---	59.6 -----
VK [%]	1.5	1.4	1.8	1.3	1.3
KGD (5%)	0.7	1.4	1.7	1.4	1.3
KGD (1%)	1.0	1.8	2.3	1.9	1.7
Versuchs-Streuung	0.9	0.8	1.1	0.9	0.8
FG Fehlerterm	228.0	58.0	56.0	56.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	487.8	29	20.86 ***	1.52	0.0000
Anbauorte	4336.4	3	1792.21 ***	2.65	0.0000
WW Verf.*Anb.Orte	208.4	87	2.97 ***	1.33	0.0001
Fehler	183.9	228			
Insgesamt	5216.5	347			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31219	272.5 -----	241.7 -----	270.0 -----	260.0 ----	318.3 -----
LG 31207	285.8 -----	248.3 -----	285.0 -----	280.0 -----	330.0 -----
KWS Damario	257.8 ---	223.3 ---	256.7 ---	253.3 ---	297.7 -
KWS Papageno	272.6 ----	246.7 -----	268.3 ----	261.7 ----	313.7 ---
KWS Odorico	274.3 -----	240.0 -----	275.0 -----	261.7 ----	320.7 -----
LG 31217	280.8 -----	245.0 -----	275.0 -----	268.3 -----	334.7 -----
Emeleen	278.7 -----	243.3 -----	278.3 -----	273.3 -----	319.7 -----
DKC 3218	267.1 ----	238.3 -----	260.0 ----	253.3 ---	316.7 ----
SY Hummer	267.5 ----	226.7 ---	268.3 ----	261.7 ----	313.3 ---
LG 31230	277.0 -----	240.0 -----	271.7 -----	275.0 -----	321.3 -----
SM K0482	281.8 -----	243.3 -----	281.7 -----	278.3 -----	324.0 -----
SY Liberty	279.9 -----	246.7 -----	271.7 ----	281.7 -----	319.7 -----
SY Silverbull	247.4 -	208.3 -	246.7 ---	238.3 -	296.3 -
KWS Glasgo	280.9 -----	253.3 -----	270.0 -----	278.3 -----	322.0 -----
Amarola	282.5 -----	241.7 ----	280.0 -----	283.3 -----	325.0 -----
KWS Irmo	278.3 -----	243.3 -----	278.3 -----	271.7 -----	319.7 -----
RH21015	285.8 -----	258.3 -----	283.3 -----	263.3 ----	338.3 -----
Wesley	274.3 -----	243.3 -----	271.7 -----	265.0 ----	317.3 ----
LZM171/74	274.8 -----	246.7 -----	276.7 -----	263.3 ----	312.3 ---
KWS Granturismo	274.2 -----	245.0 -----	266.7 -----	276.7 -----	308.3 ---
KXC1012	261.3 ---	223.3 ---	258.3 ----	248.3 ---	315.0 ----
ES Myrdal	290.7 -----	248.3 -----	283.3 -----	290.0 -----	341.0 -----
P7647	278.6 -----	243.3 -----	273.3 -----	270.0 -----	327.7 -----
P7364	275.3 -----	240.0 -----	273.3 -----	266.7 ----	321.3 -----
SA0060	253.8 --	220.0 ---	235.0 -	256.7 ----	303.3 --
Silvio	276.3 -----	246.7 -----	263.3 -----	276.7 -----	318.7 -----
EW2969	264.9 ----	235.0 ----	255.0 ----	251.7 ---	318.0 ----
Pumori	277.0 -----	258.3 -----	270.0 -----	261.7 ----	318.0 ----
Neringa	278.3 -----	236.7 ----	276.7 -----	268.3 ----	331.7 -----
LG 31211	265.0 ----	231.7 ----	261.7 ----	253.3 ----	313.3 ----
-Bezugsgrösse(n)	277.5 -----	242.5 -----	275.0 -----	265.0 -----	327.7 -----
Versuchs-Mittel	273.8 -----	240.2 -----	269.5 -----	266.4 -----	319.2 -----
VK [%]	3.1	3.4	2.5	3.8	2.7
KGD (5%)	6.9	13.5	11.1	16.6	14.1
KGD (1%)	9.1	17.9	14.8	22.1	18.8
Versuchs-Streuung	8.5	8.2	6.8	10.1	8.6
FG Fehlerterm	226.0	56.0	56.0	56.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	32711.1	29	15.48 ***	1.52	0.0000
Anbauorte	293855.8	3	1343.87 ***	2.65	0.0000
WW Verf.*Anb.Orte	9977.1	87	1.57 ns	1.33	
Fehler	16472.7	226			
Insgesamt	353016.7	345			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31219	107.9 ----	90.0 ----	110.0 ---	105.0 -----	126.7 ----
LG 31207	112.6 -----	95.0 ----	118.3 -----	115.0 -----	122.0 ---
KWS Damario	115.8 -----	106.7 -----	125.0 -----	106.7 -----	125.0 ---
KWS Papageno	114.2 -----	93.3 ----	123.3 ----	110.0 -----	130.0 ----
KWS Odorico	116.8 -----	93.3 ----	123.3 ----	105.0 -----	145.3 -----
LG 31217	114.5 -----	100.0 -----	115.0 ----	98.3 ----	144.7 -----
Emeleen	107.3 ----	91.7 ----	116.7 ----	101.7 -----	119.0 --
DKC 3218	105.2 ----	88.3 ----	115.0 ----	93.3 ----	124.0 ---
SY Hummer	115.1 -----	90.0 ----	123.3 -----	108.3 -----	138.7 -----
LG 31230	113.0 -----	98.3 -----	115.0 ----	111.7 -----	127.0 ----
SM K0482	123.7 -----	103.3 -----	130.0 -----	108.3 -----	153.0 -----
SY Liberty	132.3 -----	113.3 -----	135.0 -----	120.0 -----	161.0 -----
SY Silverbull	93.5 -	75.0 -	105.0 -	81.7 -	112.3 -
KWS Glasgo	131.3 -----	120.0 -----	135.0 -----	121.7 -----	148.7 -----
Amarola	125.9 -----	101.7 -----	133.3 -----	116.7 -----	152.0 -----
KWS Irmo	124.9 -----	118.3 -----	121.7 ----	120.0 -----	139.7 ----
RH21015	119.9 -----	100.0 ----	126.7 -----	103.3 ----	149.7 -----
Wesley	112.0 ----	98.3 ----	113.3 ---	101.7 ----	134.7 ----
LZM171/74	118.1 -----	110.0 -----	120.0 ----	110.0 -----	132.3 ----
KWS Granturismo	126.7 -----	113.3 -----	121.7 ----	121.7 -----	150.0 -----
KXC1012	103.7 ---	78.3 -	118.3 ----	93.3 ----	124.7 ---
ES Myrdal	106.8 ----	78.3 -	118.3 ----	100.0 ----	130.3 ----
P7647	125.9 -----	110.0 -----	138.3 -----	110.0 -----	145.3 -----
P7364	113.1 -----	93.3 ----	121.7 ----	105.0 ----	132.3 ----
SA0060	102.8 ---	81.7 --	103.3 -	98.3 ----	128.0 ----
Silvio	120.8 -----	93.3 ----	121.7 ----	121.7 -----	146.7 -----
EW2969	98.0 --	83.3 --	103.3 -	91.7 ---	113.7 -
Pumori	127.1 -----	108.3 -----	130.0 -----	115.0 -----	155.0 -----
Neringa	112.2 ----	85.0 ---	118.3 ----	103.3 ----	142.0 ----
LG 31211	105.4 ----	88.3 ----	110.0 ---	98.3 ----	125.0 ---
-Bezugsgrösse(n)	115.6 -----	96.7 ----	119.2 ----	101.7 -----	145.0 -----
Versuchs-Mittel	114.9 -----	96.7 ----	120.3 ----	106.6 -----	136.0 ----
VK [%]	8.1	9.1	6.5	7.3	8.8
KGD (5%)	7.4	14.4	12.9	12.8	19.5
KGD (1%)	9.8	19.2	17.2	17.0	26.0
Versuchs-Streuung	9.3	8.8	7.9	7.8	11.9
FG Fehlerterm	226.0	56.0	56.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33098.5	29	13.33 ***	1.52	0.0000
Anbauorte	78744.6	3	306.58 ***	2.65	0.0000
WW Verf.*Anb.Orte	10066.9	87	1.35 ns	1.33	
Fehler	19349.1	226			
Insgesamt	141259.1	345			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31219	39.6 ---	37.3 ----	40.8 -	40.3 -----	39.8 ---
LG 31207	39.4 ---	38.1 ----	41.5 --	41.1 -----	37.0 -
KWS Damario	45.2 -----	47.8 -----	48.7 -----	42.2 -----	42.1 ----
KWS Papageno	41.8 ----	37.9 ----	46.0 ----	42.1 -----	41.4 ----
KWS Odorico	42.3 -----	38.9 ----	44.9 ----	40.2 -----	45.3 -----
LG 31217	40.6 ----	40.8 ----	41.7 --	36.6 ---	43.3 -----
Emeleen	38.5 --	37.7 ----	41.9 --	37.1 ---	37.2 --
DKC 3218	39.3 ---	37.0 ----	44.2 ----	36.9 ---	39.1 ---
SY Hummer	42.8 -----	39.7 ----	46.0 ----	41.4 -----	44.3 -----
LG 31230	40.8 ----	41.0 ----	42.3 --	40.5 -----	39.4 ---
SM K0482	43.7 -----	42.5 -----	46.2 -----	39.0 ----	47.2 -----
SY Liberty	47.1 -----	46.0 -----	49.7 -----	42.6 -----	50.4 -----
SY Silverbull	37.8 --	36.1 ---	42.6 ---	34.4 -	38.1 --
KWS Glasgo	46.8 -----	47.4 -----	50.0 -----	43.7 -----	46.2 -----
Amarola	44.4 -----	41.9 -----	47.7 -----	41.2 -----	46.8 -----
KWS Irmo	45.1 -----	48.6 -----	43.8 ----	44.3 -----	43.7 ----
RH21015	41.8 ----	38.6 ----	44.7 ----	39.4 ----	44.2 ----
Wesley	40.7 ----	40.3 ----	41.7 --	38.3 ----	42.4 ----
LZM171/74	43.0 -----	44.7 -----	43.4 ---	41.7 -----	42.4 ----
KWS Granturismo	46.2 -----	46.4 -----	45.6 -----	44.0 -----	48.7 -----
KXC1012	39.5 ---	35.1 ---	45.8 -----	37.7 ----	39.6 ---
ES Myrdal	36.5 -	31.5 -	41.8 --	34.5 -	38.2 --
P7647	45.2 -----	45.1 -----	50.6 -----	40.7 -----	44.3 -----
P7364	41.0 ----	38.9 ----	44.5 ----	39.4 ----	41.2 ----
SA0060	40.4 ----	37.0 ----	44.0 ----	38.3 ----	42.2 ----
Silvio	43.6 -----	38.1 ----	46.2 -----	44.1 -----	46.0 -----
EW2969	37.1 -	35.5 ---	40.6 -	36.4 ---	35.8 -
Pumori	45.7 -----	41.9 -----	48.1 -----	44.0 -----	48.8 -----
Neringa	40.0 ----	35.9 ---	42.8 ---	38.5 ----	42.8 ----
LG 31211	39.8 ----	38.4 ----	42.0 --	38.8 ----	39.9 ---
-Bezugsgrösse(n)	41.5 -----	39.9 ----	43.3 ---	38.4 -----	44.3 -----
Versuchs-Mittel	41.9 -----	40.2 -----	44.7 ----	40.0 -----	42.6 ----
VK [%]	8.0	8.6	7.0	7.3	9.1
KGD (5%)	2.7	5.6	5.1	4.7	6.4
KGD (1%)	3.6	7.5	6.8	6.3	8.5
Versuchs-Streuung	3.4	3.4	3.1	2.9	3.9
FG Fehlerterm	228.0	56.0	56.0	58.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3012.3	29	9.17 ***	1.52	0.0000
Anbauorte	1317.6	3	38.77 ***	2.65	0.0000
WW Verf.*Anb.Orte	1178.8	87	1.20 ns	1.33	
Fehler	2582.7	228			
Insgesamt	8091.4	347			

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

Verfahren	Seriemittel	3065 Habstetten
LG 31219	0.0 -	0.0 -
LG 31207	12.5 -----	12.5 -----
KWS Damario	0.0 -	0.0 -
KWS Papageno	8.3 -----	8.3 -----
KWS Odorico	4.2 ----	4.2 ----
LG 31217	4.2 ----	4.2 ----
Emeleen	8.3 -----	8.3 -----
DKC 3218	8.3 -----	8.3 -----
SY Hummer	8.3 -----	8.3 -----
LG 31230	4.2 ----	4.2 ----
SM K0482	0.0 -	0.0 -
SY Liberty	12.5 -----	12.5 -----
SY Silverbull	4.2 ----	4.2 ----
KWS Glasgo	0.0 -	0.0 -
Amarola	0.0 -	0.0 -
KWS Irmo	0.0 -	0.0 -
RH21015	4.2 ----	4.2 ----
Wesley	4.2 ----	4.2 ----
LZM171/74	12.5 -----	12.5 -----
KWS Granturismo	0.0 -	0.0 -
KXC1012	8.3 -----	8.3 -----
ES Myrdal	8.3 -----	8.3 -----
P7647	8.3 -----	8.3 -----
P7364	8.3 -----	8.3 -----
SA0060	0.0 -	0.0 -
Silvio	4.2 ----	4.2 ----
EW2969	12.5 -----	12.5 -----
Pumori	0.0 -	0.0 -
Neringa	8.3 -----	8.3 -----
LG 31211	8.3 -----	8.3 -----
-Bezugsgrösse(n)	4.2 ----	4.2 ----
Versuchs-Mittel	5.4 -----	5.4 -----
VK [%]	99.4	99.4
KGD (5%)	8.8	8.8
KGD (1%)	ns	ns
Versuchs-Streuung	5.4	5.4
FG Fehlerterm	56.0	56.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	5643 Alikon AG	8193 Eglisau ZH	8566 Ellighausen TG
LG 31219	7.2 -	1.4 -	20.3 --	0.0 -
LG 31207	13.3 --	17.2 ---	18.5 --	4.3 --
KWS Damario	29.6 ----	39.5 -----	29.3 ---	19.9 -----
KWS Papageno	29.4 ----	25.8 ---	30.6 ---	31.7 -----
KWS Odorico	11.9 --	18.7 ---	8.0 -	9.0 ---
LG 31217	32.2 ----	12.5 --	65.9 -----	18.2 ----
Emeleen	24.9 ---	15.8 ---	49.3 -----	9.7 ---
DKC 3218	14.3 --	2.5 -	39.9 ----	0.5 -
SY Hummer	21.4 ---	17.5 ---	39.5 ----	7.3 ---
LG 31230	22.9 ----	21.1 ----	47.2 -----	0.5 -
SM K0482	38.6 -----	17.0 ---	88.8 -----	9.9 ---
SY Liberty	60.3 -----	67.9 -----	91.4 -----	21.6 -----
SY Silverbull	8.8 -	5.2 -	20.1 --	0.9 -
KWS Glasgo	22.6 ---	6.9 -	55.5 -----	5.3 --
Amarola	35.5 -----	31.7 -----	40.4 ----	34.3 -----
KWS Irmo	18.6 ---	24.7 ----	23.9 ---	7.1 ---
RH21015	19.7 ---	10.9 --	43.7 -----	4.5 --
Wesley	17.5 ---	9.1 --	34.8 ----	8.5 ---
LZM171/74	16.7 ---	6.6 -	41.5 -----	2.0 -
KWS Granturismo	12.7 --	5.5 -	20.2 --	12.3 ----
KXC1012	25.7 ----	14.7 ---	48.2 -----	14.3 -----
ES Myrdal	17.9 ---	7.3 -	46.4 -----	0.0 -
P7647	42.9 -----	35.2 -----	87.2 -----	6.5 --
P7364	21.9 ---	9.3 --	46.1 -----	10.3 ---
SA0060	14.9 --	5.4 -	19.0 --	20.4 ----
Silvio	26.8 ----	28.5 -----	16.0 --	35.8 -----
EW2969	5.4 -	1.5 -	13.2 -	1.5 -
Pumori	21.5 ---	12.0 --	43.9 -----	8.5 ---
Neringa	24.6 ---	18.7 ---	43.8 -----	11.4 ----
LG 31211	19.7 ---	8.3 --	49.3 -----	1.4 -
-Bezugsgrösse(n)	22.1 ----	15.6 ---	37.0 ----	13.6 ----
Versuchs-Mittel	22.6 ----	16.6 ---	40.7 -----	10.6 ----
VK [%]	69.1	55.0	48.2	153.8
KGD (5%)	14.6	15.0	32.1	ns
KGD (1%)	19.2	19.9	42.7	ns
Versuchs-Streuung	15.6	9.1	19.6	16.3
FG Fehlerterm	168.0	56.0	56.0	56.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33731.0	29	4.75 ***	1.54	0.0000
Anbauorte	45758.8	2	93.46 ***	3.05	0.0000
WW Verf.*Anb.Orte	32256.3	58	2.27 ***	1.40	0.0005
Fehler	41126.3	168			
Insgesamt	152872.3	257			

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

Verfahren	Seriemittel	5643		8566	
		Alikon AG		Ellighausen TG	
LG 31219	0.2 -	0.0 -	0.5 -		
LG 31207	1.0 --	2.0 --	0.0 -		
KWS Damario	1.4 ---	2.7 ---	0.0 -		
KWS Papageno	2.9 ----	5.2 ----	0.5 -		
KWS Odorico	2.2 ----	1.5 --	2.9 ----		
LG 31217	1.0 --	0.9 -	1.0 --		
Emeleen	2.1 ----	3.3 ---	1.0 --		
DKC 3218	0.5 -	0.5 -	0.5 --		
SY Hummer	0.2 -	0.0 -	0.5 --		
LG 31230	6.4 -----	12.3 -----	0.5 -		
SM K0482	1.0 --	0.9 -	1.0 --		
SY Liberty	1.7 ---	3.4 ---	0.0 -		
SY Silverbull	5.3 -----	10.2 -----	0.5 -		
KWS Glasgo	0.2 -	0.5 -	0.0 -		
Amarola	2.9 ----	4.9 ----	1.0 --		
KWS Irmo	0.7 --	1.0 -	0.5 -		
RH21015	0.8 --	1.0 -	0.5 --		
Wesley	0.9 --	1.4 --	0.5 -		
LZM171/74	0.9 --	1.4 --	0.5 -		
KWS Granturismo	0.2 -	0.0 -	0.5 -		
KXC1012	3.5 -----	1.6 --	5.5 -----		
ES Myrdal	1.6 ---	2.6 ---	0.5 --		
P7647	1.8 ----	3.2 ---	0.5 -		
P7364	1.0 --	1.5 --	0.5 --		
SA0060	0.6 --	1.2 --	0.0 -		
Silvio	1.9 ----	3.3 ---	0.5 -		
EW2969	0.0 -	0.0 -	0.0 -		
Pumori	0.0 -	0.0 -	0.0 -		
Neringa	1.3 ---	1.1 -	1.5 ---		
LG 31211	0.2 -	0.5 -	0.0 -		
-Bezugsgrösse(n)	1.6 ---	1.2 --	2.0 ----		
Versuchs-Mittel	1.5 ---	2.3 --	0.7 --		
VK [%]	257.7	221.8	285.3		
KGD (5%)	ns	ns	ns		
KGD (1%)	ns	ns	ns		
Versuchs-Streuung	3.8	5.0	2.0		
FG Fehlerterm	112.0	56.0	56.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	388.5	29	0.91 ns	1.57	0.5983
Anbauorte	110.0	1	7.49 **	3.92	0.0072
WW Verf.*Anb.Orte	402.4	29	0.95 ns	1.57	0.5525
Fehler	1644.5	112			
Insgesamt	2545.5	171			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31219	1.2 --	3.5 ----	0.0 -	1.4 ---	0.0 -
LG 31207	4.6 -----	8.7 -----	4.8 -----	1.7 ---	3.4 ---
KWS Damario	3.9 -----	2.8 ---	8.4 -----	1.4 ---	2.9 ---
KWS Papageno	7.0 -----	11.9 -----	8.9 -----	1.2 ---	6.2 -----
KWS Odorico	2.3 ----	1.5 --	5.4 -----	1.0 ---	1.4 --
LG 31217	1.8 ---	1.4 --	2.6 ----	1.0 --	2.0 --
Emeleen	4.2 -----	5.1 -----	4.8 -----	1.9 ---	5.1 ----
DKC 3218	1.2 --	0.0 -	1.2 --	0.4 -	3.1 ---
SY Hummer	3.6 -----	4.6 ----	2.7 ---	0.3 -	6.9 -----
LG 31230	1.3 --	0.0 -	1.6 --	1.8 ---	1.9 --
SM K0482	5.8 -----	5.6 -----	7.8 -----	5.3 -----	4.5 ----
SY Liberty	3.5 -----	4.9 -----	5.3 -----	2.4 -----	1.4 --
SY Silverbull	2.0 ---	0.7 -	0.7 -	0.7 --	5.8 -----
KWS Glasgo	0.7 -	1.6 --	0.7 -	0.0 -	0.5 -
Amarola	1.7 ---	2.7 ---	2.4 ---	0.7 --	1.0 -
KWS Irmo	1.0 --	1.1 --	2.7 ----	0.0 -	0.0 -
RH21015	2.7 ----	5.4 -----	4.8 -----	0.0 -	0.6 -
Wesley	0.6 -	0.7 -	0.3 -	0.3 -	0.9 -
LZM171/74	5.6 -----	10.1 -----	4.1 -----	3.3 -----	5.0 ----
KWS Granturismo	3.4 -----	6.1 -----	2.5 ---	1.5 ---	3.5 ---
KXC1012	2.6 ----	3.1 ---	1.0 --	1.9 ---	4.3 ----
ES Myrdal	0.9 --	1.1 --	2.7 ----	0.0 -	0.0 -
P7647	3.9 -----	4.4 ----	2.9 ---	1.6 ---	6.6 -----
P7364	5.0 -----	0.8 -	2.9 ---	3.0 -----	13.5 -----
SA0060	2.8 ----	1.7 --	6.2 -----	1.4 ---	1.9 --
Silvio	3.2 -----	4.5 -----	7.6 -----	0.7 --	0.0 -
EW2969	0.5 -	0.0 -	0.0 -	0.0 -	2.0 --
Pumori	0.4 -	1.2 --	0.0 -	0.0 -	0.5 -
Neringa	0.2 -	0.0 -	1.0 --	0.0 -	0.0 -
LG 31211	1.7 ---	0.6 -	1.8 ---	1.5 ----	3.0 ---
-Bezugsgrösse(n)	2.1 ---	1.5 --	4.0 -----	1.0 ---	1.7 --
Versuchs-Mittel	2.6 ----	3.2 ---	3.3 ----	1.2 ---	2.9 ---
VK [%]	102.7	90.3	89.0	124.5	111.1
KGD (5%)	2.2	4.7	4.7	2.5	5.3
KGD (1%)	2.9	6.3	6.3	ns	7.1
Versuchs-Streuung	2.7	2.9	2.9	1.5	3.3
FG Fehlerterm	230.0	58.0	56.0	58.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1128.0	29	5.26 ***	1.52	0.0000
Anbauorte	251.0	3	11.32 ***	2.64	0.0000
WW Verf.*Anb.Orte	1167.6	87	1.82 ***	1.33	0.0010
Fehler	1700.0	230			
Insgesamt	4246.6	349			

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

Verfahren	Seriemittel	5643		8566	
		Alikon AG		Ellighausen TG	
LG 31219	1.2	----	2.4	-----	0.0 -
LG 31207	0.5	--	1.0	---	0.0 -
KWS Damaro	2.9	-----	4.8	-----	1.0 -----
KWS Papageno	0.0	-	0.0	-	0.0 -
KWS Odorico	0.8	---	1.5	----	0.0 -
LG 31217	0.7	---	1.0	---	0.5 -----
Emeleen	1.6	-----	2.3	-----	1.0 -----
DKC 3218	0.7	---	1.5	----	0.0 -
SY Hummer	0.2	-	0.5	--	0.0 -
LG 31230	1.0	----	1.5	----	0.5 -----
SM K0482	0.3	-	0.5	--	0.0 -
SY Liberty	0.5	--	1.0	---	0.0 -
SY Silverbull	1.2	-----	2.5	-----	0.0 -
KWS Glasgo	0.5	--	1.0	---	0.0 -
Amarola	1.2	-----	2.5	-----	0.0 -
KWS Irmo	1.2	-----	2.4	-----	0.0 -
RH21015	0.3	--	0.5	--	0.0 -
Wesley	0.9	----	1.9	-----	0.0 -
LZM171/74	0.9	----	1.9	-----	0.0 -
KWS Granturismo	0.8	---	1.1	---	0.5 -----
KXC1012	1.2	-----	2.4	-----	0.0 -
ES Myrdal	0.3	-	0.5	--	0.0 -
P7647	2.1	-----	4.2	-----	0.0 -
P7364	0.3	-	0.5	--	0.0 -
SA0060	0.2	-	0.5	--	0.0 -
Silvio	0.5	--	1.0	---	0.0 -
EW2969	1.3	-----	2.5	-----	0.0 -
Pumori	1.1	----	1.6	----	0.5 -----
Neringa	0.6	---	1.1	---	0.0 -
LG 31211	1.3	-----	2.5	-----	0.0 -
-Bezugsgrösse(n)	0.7	---	1.2	---	0.3 ---
Versuchs-Mittel	0.9	----	1.6	----	0.1 --
VK [%]	171.7		127.8		368.7
KGD (5%)	ns		ns		ns
KGD (1%)	ns		ns		ns
Versuchs-Streuung	1.5		2.1		0.5
FG Fehlerterm	112.0		56.0		56.0
Anz. Beob.	6.0		3.0		3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	66.1	29	1.01	ns	1.57	0.4615
Anbauorte	99.2	1	44.03	***	3.92	0.0000
WW Verf.*Anb.Orte	47.7	29	0.73	ns	1.57	0.8347
Fehler	252.4	112				
Insgesamt	465.4	171				

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
LG 31219	9.6 -----	9.7 -----	8.7 ---	8.8 ----	10.2 -----
LG 31207	9.9 -----	9.8 -----	9.8 -----	9.8 -----	9.9 -----
KWS Damario	9.4 ----	8.4 ---	9.6 ----	9.7 -----	9.0 --
KWS Papageno	9.8 -----	10.2 -----	9.8 -----	8.8 ----	10.2 -----
KWS Odorico	9.7 -----	9.0 ----	9.9 -----	9.4 -----	9.8 ----
LG 31217	9.7 -----	8.7 ----	10.0 -----	9.9 -----	10.1 -----
Emeleen	9.7 -----	9.3 ----	9.1 ----	9.8 -----	10.5 -----
DKC 3218	8.8 -	8.5 ---	8.3 -	7.7 -	9.9 -----
SY Hummer	9.7 -----	9.4 ----	9.9 -----	8.6 ---	10.1 -----
LG 31230	9.9 -----	10.4 -----	10.1 -----	9.5 -----	9.9 -----
SM K0482	9.7 -----	9.6 -----	9.3 ----	9.5 -----	10.1 -----
SY Liberty	9.6 -----	9.2 ----	8.8 ----	9.4 ----	10.0 -----
SY Silverbull	9.7 -----	9.4 ----	9.5 ----	9.9 -----	9.8 ----
KWS Glasgo	9.8 -----	9.3 ----	10.1 -----	9.7 -----	9.9 -----
Amarola	9.9 -----	9.8 -----	10.1 -----	9.3 ----	10.0 -----
KWS Irmo	9.6 -----	7.8 -	9.9 -----	9.7 -----	10.0 -----
RH21015	9.0 ---	9.3 ----	8.6 ---	8.6 ----	8.7 -
Wesley	9.8 -----	9.8 -----	9.7 -----	10.2 -----	10.0 -----
LZM171/74	9.7 -----	9.5 ----	9.9 -----	9.9 -----	10.2 -----
KWS Granturismo	9.4 ----	9.1 ----	9.3 ----	8.6 ----	9.6 ----
KXC1012	9.7 -----	9.2 ----	9.8 -----	10.0 -----	9.6 ----
ES Myrdal	9.3 ----	9.1 ----	8.7 ---	9.3 ----	9.3 ----
P7647	9.2 ----	9.1 ----	9.4 ----	8.5 ----	9.3 ----
P7364	9.1 ---	8.9 ----	9.4 ----	8.7 ----	9.4 ----
SA0060	9.7 -----	9.9 -----	9.5 -----	9.6 -----	9.6 ----
Silvio	9.8 -----	9.6 -----	10.1 -----	9.6 -----	10.0 -----
EW2969	9.5 -----	8.4 ---	9.4 ----	9.3 ----	9.8 ----
Pumori	8.7 -	8.3 ---	8.2 -	8.9 ----	8.9 -
Neringa	9.3 ----	8.7 ----	9.6 ----	8.8 ----	8.9 --
LG 31211	9.1 ----	8.0 -	9.5 ----	8.8 ----	9.3 ----
-Bezugsgrösse(n)	9.7 -----	8.9 ----	9.9 -----	9.7 -----	9.9 -----
Versuchs-Mittel	9.5 -----	9.2 ----	9.5 -----	9.3 ----	9.7 -----
VK [%]	5.9	10.8	4.9	6.8	4.5
KGD (5%)	0.3	ns	0.8	1.0	0.7
KGD (1%)	0.5	ns	1.0	1.4	1.0
Versuchs-Streuung	0.6	1.0	0.5	0.6	0.4
FG Fehlerterm	396.0	56.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	61.0	29	6.58 ***	1.50	0.0000
Anbauorte	50.0	6	26.05 ***	2.12	0.0000
WW Verf.*Anb.Orte	78.8	174	1.42 ns	1.23	
Fehler	126.6	396			
Insgesamt	316.4	605			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31219	10.0 -----	9.8 -----	10.0 -----
LG 31207	10.0 -----	9.6 -----	10.1 -----
KWS Damario	10.0 -----	9.5 -----	9.7 ----
KWS Papageno	10.0 -----	9.5 -----	10.3 -----
KWS Odorico	10.2 -----	9.7 -----	10.0 -----
LG 31217	9.9 -----	9.3 -----	9.8 -----
Emeleen	10.2 -----	8.8 ----	10.0 -----
DKC 3218	9.3 --	8.2 -	9.9 -----
SY Hummer	10.0 -----	9.7 -----	10.0 -----
LG 31230	10.0 -----	9.4 -----	10.2 -----
SM K0482	9.9 -----	9.2 -----	10.0 -----
SY Liberty	10.1 -----	9.5 -----	10.2 -----
SY Silverbull	10.0 -----	8.7 ----	10.2 -----
KWS Glasgo	10.1 -----	9.5 -----	10.0 -----
Amarola	10.0 -----	10.0 -----	10.0 -----
KWS Irmo	10.1 -----	9.4 -----	10.2 -----
RH21015	9.3 --	9.1 -----	9.5 ----
Wesley	10.2 -----	9.0 ----	9.9 -----
LZM171/74	9.8 -----	8.6 ----	10.0 -----
KWS Granturismo	10.0 -----	9.8 -----	9.5 ----
KXC1012	10.1 -----	8.8 ----	10.0 -----
ES Myrdal	9.8 -----	9.2 -----	9.8 -----
P7647	9.7 -----	8.8 ----	9.7 -----
P7364	9.2 -	8.7 ----	9.4 --
SA0060	10.1 -----	9.0 ----	9.9 -----
Silvio	10.0 -----	9.4 -----	9.8 -----
EW2969	10.0 -----	9.5 -----	9.7 -----
Pumori	9.2 -	8.5 --	9.1 -
Neringa	10.0 -----	9.6 -----	9.8 -----
LG 31211	9.4 ---	8.9 -----	9.7 -----
-Bezugsgrösse(n)	10.0 -----	9.5 -----	9.9 -----
Versuchs-Mittel	9.9 -----	9.2 -----	9.9 -----
VK [%]	2.6	5.9	3.1
KGD (5%)	0.4	0.9	0.5
KGD (1%)	0.6	ns	0.7
Versuchs-Streuung	0.3	0.5	0.3
FG Fehlerterm	56.0	56.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
LG 31219	567.5	396.4	599.6	533.4	606.0
LG 31207	583.8	389.6	644.4	574.9	621.3
KWS Damario	617.2	423.0	669.6	563.0	622.6
KWS Papageno	578.3	387.4	645.4	551.8	572.6
KWS Odorico	615.9	415.1	694.4	593.2	612.2
LG 31217	601.0	360.9	630.7	603.3	662.0
Emeleen	566.7	395.9	610.5	518.3	568.5
DKC 3218	601.0	462.3	618.4	581.0	648.6
SY Hummer	600.0	401.4	661.7	589.2	605.6
LG 31230	582.3	394.4	659.4	565.2	595.2
SM K0482	635.6	394.6	685.4	656.6	691.5
SY Liberty	613.7	433.2	663.5	628.2	563.8
SY Silverbull	478.9	307.8	514.7	450.9	382.6
KWS Glasgo	597.9	377.6	691.0	582.0	650.4
Amarola	612.2	408.1	704.1	576.8	616.7
KWS Irmo	631.5	344.8	691.1	584.3	704.9
RH21015	602.1	465.1	672.5	551.8	651.7
Wesley	587.4	393.9	638.4	588.3	600.4
LZM171/74	577.7	404.4	620.7	564.5	634.1
KWS Granturismo	639.2	410.5	700.6	675.2	683.7
KXC1012	505.0	361.6	549.2	478.6	533.2
ES Myrdal	565.6	377.5	611.8	583.6	646.8
P7647	591.5	398.1	656.9	562.4	575.9
P7364	542.1	334.8	602.0	522.3	558.5
SA0060	593.8	405.0	649.4	529.7	638.7
Silvio	617.1	403.4	676.6	628.0	670.5
EW2969	572.4	431.9	603.1	586.8	603.9
Pumori	608.1	450.5	658.2	603.0	616.1
Neringa	571.9	386.7	643.8	523.5	592.6
LG 31211	546.3	367.4	610.4	526.0	578.1
-Bezugsgrösse(n)	608.4	388.0	662.5	598.2	637.1
Versuchs-Mittel	586.8	396.1	642.6	569.2	610.3
VK [%]	7.6	11.0	4.4	9.5	5.6
KGD (5%)	27.1	71.0	46.3	88.8	56.1
KGD (1%)	35.7	ns	61.7	118.1	74.6
Versuchs-Streuung	44.7	43.4	28.3	54.3	34.3
FG Fehlerterm	389.0	56.0	56.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	765262.9	29	13.20 ***	1.50	0.0000
Anbauorte	11399232.4	6	950.37 ***	2.12	0.0000
WW Verf.*Anb.Orte	624983.3	174	1.80 ***	1.23	0.0007
Fehler	777642.9	389			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	668.1	----	406.5	-----	762.5	-----
LG 31207	653.2	---	418.9	-----	784.4	-----
KWS Damario	755.0	-----	442.1	-----	845.5	-----
KWS Papageno	752.3	-----	355.0	---	783.7	-----
KWS Odorico	753.6	-----	454.5	-----	788.2	-----
LG 31217	766.2	-----	374.1	----	810.0	-----
Emeleen	693.0	----	412.7	-----	768.1	-----
DKC 3218	715.5	-----	416.0	-----	765.1	----
SY Hummer	749.3	-----	430.1	-----	762.5	----
LG 31230	684.4	----	417.7	-----	759.5	----
SM K0482	793.7	-----	373.0	----	854.6	-----
SY Liberty	754.7	-----	430.3	-----	822.0	-----
SY Silverbull	619.4	-	352.4	---	724.7	---
KWS Glasgo	720.2	-----	388.0	-----	776.2	-----
Amarola	751.3	-----	394.1	----	834.5	-----
KWS Irmo	771.9	-----	435.0	-----	888.3	-----
RH21015	758.6	-----	420.7	-----	694.0	--
Wesley	709.1	----	393.5	-----	788.4	-----
LZM171/74	644.1	--	415.8	-----	760.5	----
KWS Granturismo	751.6	-----	406.4	-----	846.8	-----
KXC1012	612.0	-	292.6	-	707.7	---
ES Myrdal	629.9	--	368.2	----	741.3	----
P7647	733.3	-----	361.1	---	852.5	-----
P7364	616.1	-	367.2	----	794.2	-----
SA0060	692.2	----	472.9	-----	768.7	-----
Silvio	760.0	-----	385.0	-----	795.9	-----
EW2969	716.5	-----	399.1	-----	665.3	-
Pumori	703.9	-----	406.3	-----	818.6	-----
Neringa	687.2	----	422.1	-----	747.4	----
LG 31211	666.5	----	425.0	-----	651.0	-
-Bezugsgrösse(n)	759.9	-----	414.3	-----	799.1	-----
Versuchs-Mittel	709.4	-----	401.2	-----	778.7	-----
VK [%]	7.5		10.7		6.3	
KGD (5%)	87.2		70.8		80.7	
KGD (1%)	116.1		ns		107.4	
Versuchs-Streuung	53.3		43.2		49.3	
FG Fehlerterm	56.0		51.0		56.0	
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	5643 Alikon AG
LG 31219	204.7 ----	168.0 -----	234.3 ---	209.7 ---	215.8 -----
LG 31207	218.8 -----	161.3 ----	264.1 -----	232.8 -----	233.6 -----
KWS Damario	212.7 -----	166.4 ----	257.9 -----	217.0 ----	214.4 ----
KWS Papageno	215.1 -----	182.4 -----	256.8 -----	219.5 ----	211.4 ----
KWS Odorico	210.4 -----	163.6 ----	256.5 -----	228.1 -----	204.7 ----
LG 31217	218.2 -----	156.1 ----	248.3 ----	235.0 -----	236.4 -----
Emeleen	212.4 -----	165.4 ----	255.4 -----	212.7 ---	213.8 ----
DKC 3218	225.4 -----	189.9 -----	261.4 -----	242.7 -----	236.5 -----
SY Hummer	207.3 ----	171.7 -----	247.6 ----	208.9 ---	205.9 ----
LG 31230	217.8 -----	179.8 -----	269.0 -----	229.7 -----	228.0 -----
SM K0482	213.9 -----	168.8 ----	254.5 ----	229.5 -----	228.7 -----
SY Liberty	213.3 -----	168.3 ----	248.0 ----	234.8 -----	199.8 ----
SY Silverbull	190.1 -	142.1 -	216.4 -	197.8 -	169.8 -
KWS Glasgo	213.5 -----	154.1 ---	267.1 -----	225.0 ----	234.2 -----
Amarola	216.5 -----	166.6 ----	281.8 -----	217.0 ----	225.7 ----
KWS Irmo	217.3 -----	145.3 -	265.6 -----	223.0 ----	236.5 -----
RH21015	218.7 -----	182.7 -----	261.4 ----	221.2 ----	239.6 -----
Wesley	219.8 -----	175.1 ----	245.7 ----	239.8 -----	230.4 ----
LZM171/74	217.1 -----	170.3 ----	246.7 ----	231.6 -----	239.8 -----
KWS Granturismo	222.9 -----	167.8 ----	264.8 -----	245.0 -----	239.3 -----
KXC1012	203.4 ---	171.3 -----	250.8 ----	214.0 ---	202.6 ----
ES Myrdal	210.0 ----	171.4 -----	237.9 ---	230.3 -----	220.8 ----
P7647	214.6 -----	168.1 ----	253.7 ----	215.9 ---	212.7 ----
P7364	212.6 -----	161.3 ----	250.0 ----	223.5 ----	214.0 ----
SA0060	208.6 ----	171.3 -----	237.5 ---	200.8 -	223.7 ----
Silvio	224.1 -----	181.5 -----	266.5 -----	244.5 -----	245.7 -----
EW2969	214.8 -----	177.1 -----	250.8 ----	236.8 -----	227.8 ----
Pumori	203.9 ----	184.1 -----	231.8 ---	216.6 ----	206.1 ----
Neringa	202.9 ---	157.9 ---	242.5 ----	202.5 --	207.8 ----
LG 31211	202.3 ----	157.4 ----	238.9 ----	215.8 ----	208.9 ----
-Bezugsgrösse(n)	214.3 -----	159.8 ----	252.4 -----	231.5 -----	220.6 -----
Versuchs-Mittel	212.8 -----	168.2 ----	252.1 ----	223.4 ----	220.5 ----
VK [%]	7.4	9.7	5.9	7.9	5.8
KGD (5%)	9.5	ns	24.1	ns	20.9
KGD (1%)	12.5	ns	32.1	ns	27.8
Versuchs-Streuung	15.7	16.4	14.8	17.7	12.8
FG Fehlerterm	393.0	56.0	58.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	34589.0	29	4.85 ***	1.50	0.0000
Anbauorte	1122789.7	6	760.82 ***	2.12	0.0000
WW Verf.*Anb.Orte	63399.3	174	1.48 ns	1.23	
Fehler	96662.6	393			
Insgesamt	1317440.6	602			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	229.0	-	132.7	-----	243.5	-----
LG 31207	236.0	---	138.2	-----	265.4	-----
KWS Damaro	248.2	-----	138.0	-----	247.2	-----
KWS Papageno	256.7	-----	122.0	---	257.0	-----
KWS Odorico	237.7	---	144.7	-----	237.7	-----
LG 31217	264.1	-----	129.1	-----	258.1	-----
Emeleen	246.9	-----	140.2	-----	252.6	-----
DKC 3218	246.7	-----	140.5	-----	260.3	-----
SY Hummer	250.0	-----	138.6	-----	228.5	---
LG 31230	239.2	---	134.6	-----	244.1	-----
SM K0482	251.7	-----	112.2	-	252.2	-----
SY Liberty	252.6	-----	132.4	-----	257.2	-----
SY Silverbull	232.6	--	127.1	----	245.0	-----
KWS Glasgo	250.5	-----	127.5	----	235.9	----
Amarola	243.4	----	129.6	----	251.0	-----
KWS Irmo	251.9	-----	134.1	-----	265.0	-----
RH21015	264.6	-----	134.2	-----	227.3	---
Wesley	257.3	-----	129.7	-----	260.7	-----
LZM171/74	233.6	--	142.5	-----	255.4	-----
KWS Granturismo	248.9	-----	127.0	----	267.2	-----
KXC1012	228.5	-	117.5	--	239.2	----
ES Myrdal	235.7	---	129.4	-----	244.3	-----
P7647	265.4	-----	117.2	--	269.2	-----
P7364	231.4	--	135.4	-----	272.4	-----
SA0060	241.0	----	141.4	-----	244.8	-----
Silvio	258.1	-----	128.8	-----	243.6	-----
EW2969	248.8	-----	136.3	-----	226.3	---
Pumori	227.6	-	120.9	---	240.3	-----
Neringa	228.6	-	140.6	-----	240.1	-----
LG 31211	237.7	---	143.5	-----	213.9	-
-Bezugsgrösse(n)	250.9	-----	136.9	-----	247.9	-----
Versuchs-Mittel	244.8	----	132.2	-----	248.2	-----
VK [%]	6.4		10.6		7.1	
KGD (5%)	ns		ns		28.7	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	15.8		14.1		17.5	
FG Fehlerterm	56.0		53.0		56.0	
Anz. Beob.	3.0		3.0		3.0	

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
LG 31219	36.5 ----	42.5 ----	38.9 ----	39.6 ----	35.7 ---
LG 31207	37.7 -----	41.6 ---	41.0 -----	40.7 -----	37.7 -----
KWS Damario	34.9 --	39.4 -	38.6 ----	38.5 ----	34.5 --
KWS Papageno	37.9 -----	47.2 -----	39.8 ----	39.7 ----	37.2 ---
KWS Odorico	34.5 --	39.4 -	37.0 --	38.4 ----	33.5 -
LG 31217	37.0 -----	44.3 -----	39.5 -----	39.2 -----	35.7 ---
Emeleen	37.8 -----	41.6 ---	41.9 -----	41.0 -----	37.7 -----
DKC 3218	37.7 -----	41.1 ---	42.3 -----	41.8 -----	36.5 ----
SY Hummer	35.1 --	42.7 ----	37.4 ---	35.6 -	34.0 -
LG 31230	37.8 -----	45.5 -----	40.8 -----	40.6 -----	38.4 -----
SM K0482	34.1 -	43.0 -----	37.1 --	35.1 -	33.1 -
SY Liberty	35.0 --	38.9 -	37.4 ---	37.4 ---	35.6 ---
SY Silverbull	40.7 -----	46.5 -----	42.2 -----	43.8 -----	44.6 -----
KWS Glasgo	36.1 ----	41.0 ---	38.6 ----	38.6 ----	36.0 ---
Amarola	35.8 ---	41.1 ---	40.0 ----	37.7 ---	36.6 ----
KWS Irmo	35.2 ---	42.8 ----	38.4 ----	38.2 ----	33.6 -
RH21015	36.3 ----	39.3 -	38.8 ----	40.1 -----	36.8 ----
Wesley	37.8 -----	44.5 -----	38.5 ----	40.9 -----	38.4 ----
LZM171/74	37.9 -----	42.1 ----	39.8 ----	41.2 -----	37.8 ----
KWS Granturismo	35.2 ---	41.1 ---	37.8 ---	36.3 --	35.0 --
KXC1012	40.8 -----	47.4 -----	45.7 -----	44.8 -----	38.0 ----
ES Myrdal	37.6 -----	45.2 -----	38.9 ----	39.5 ----	34.1 -
P7647	36.7 ----	42.4 ----	38.6 ----	38.6 ----	37.1 ----
P7364	40.2 -----	49.4 -----	41.7 -----	42.9 -----	38.3 -----
SA0060	35.5 ---	42.2 ----	36.6 --	38.0 ----	35.0 --
Silvio	36.9 ----	44.9 -----	39.3 ----	39.1 ----	36.7 ----
EW2969	37.7 -----	40.9 ---	41.7 -----	40.4 -----	37.7 -----
Pumori	33.8 -	40.7 --	35.2 -	36.0 --	33.5 -
Neringa	35.8 ---	40.3 --	37.6 ---	38.7 ----	35.1 --
LG 31211	37.4 -----	43.0 ----	39.2 ----	41.0 -----	36.2 ---
-Bezugsgrösse(n)	35.8 ---	41.8 ---	38.2 ---	38.8 ----	34.6 --
Versuchs-Mittel	36.8 -----	42.7 ----	39.3 -----	39.4 -----	36.3 ---
VK [%]	4.3	5.7	4.8	4.4	3.1
KGD (5%)	1.0	4.0	3.1	2.9	1.8
KGD (1%)	1.3	5.3	4.1	3.8	2.4
Versuchs-Streuung	1.6	2.4	1.9	1.7	1.1
FG Fehlerterm	394.0	56.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1933.8	29	26.07 ***	1.50	0.0000
Anbauorte	8237.2	6	536.73 ***	2.12	0.0000
WW Verf.*Anb.Orte	817.4	174	1.84 ***	1.23	0.0006
Fehler	1007.8	394			
Insgesamt	11996.2	603			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	34.3	----	32.6	----	31.9	-----
LG 31207	36.1	-----	33.0	-----	33.7	-----
KWS Damario	32.9	---	31.3	---	29.3	-
KWS Papageno	34.1	----	34.5	-----	32.8	-----
KWS Odorico	31.5	-	31.8	---	30.1	--
LG 31217	34.5	----	33.9	-----	31.8	-----
Emeleen	35.6	-----	34.0	-----	32.9	-----
DKC 3218	34.5	----	33.8	----	34.1	-----
SY Hummer	33.4	---	32.3	---	30.0	--
LG 31230	35.1	-----	32.2	----	32.1	-----
SM K0482	31.7	-	29.3	-	29.5	-
SY Liberty	33.4	----	30.8	--	31.3	----
SY Silverbull	37.6	-----	36.2	-----	33.8	-----
KWS Glasgo	34.8	-----	32.9	-----	30.4	---
Amarola	32.4	--	32.9	----	30.1	--
KWS Irmo	32.6	--	30.9	--	29.8	--
RH21015	34.9	-----	31.9	---	32.7	-----
Wesley	36.3	-----	32.9	----	33.0	-----
LZM171/74	36.3	-----	34.3	-----	33.6	-----
KWS Granturismo	33.1	---	31.4	---	31.6	----
KXC1012	37.3	-----	38.5	-----	33.8	-----
ES Myrdal	37.6	-----	35.1	-----	33.0	-----
P7647	36.3	-----	32.5	----	31.5	----
P7364	38.0	-----	37.1	-----	34.4	-----
SA0060	34.8	-----	29.9	-	31.8	----
Silvio	33.9	----	33.6	-----	30.7	---
EW2969	34.7	-----	34.1	-----	34.1	-----
Pumori	32.2	--	29.8	-	29.4	-
Neringa	33.4	----	33.3	-----	32.0	----
LG 31211	35.7	-----	33.5	-----	32.9	-----
-Bezugsgrösse(n)	33.0	---	32.8	----	31.0	----
Versuchs-Mittel	34.6	----	33.0	-----	31.9	-----
VK [%]	4.0		3.1		3.3	
KGD (5%)	2.3		1.7		1.7	
KGD (1%)	3.0		2.2		2.3	
Versuchs-Streuung	1.4		1.0		1.1	
FG Fehlerterm	56.0		56.0		56.0	
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	5643 Alikon AG
LG 31219	141.9 ---	116.5 -----	172.4 ---	153.4 ---	148.6 -----
LG 31207	151.0 -----	104.0 ---	194.3 -----	168.4 -----	159.1 -----
KWS Damario	149.9 -----	111.7 -----	194.8 -----	160.4 -----	149.9 -----
KWS Papageno	152.2 -----	123.3 -----	190.4 -----	161.4 -----	143.6 -----
KWS Odorico	150.4 -----	109.7 -----	193.5 -----	172.2 -----	142.6 -----
LG 31217	153.5 -----	105.1 ---	187.8 -----	173.1 -----	166.5 -----
Emeleen	149.2 -----	114.4 -----	192.3 -----	154.8 ---	148.9 -----
DKC 3218	160.8 -----	134.9 -----	196.5 -----	176.8 -----	165.7 -----
SY Hummer	144.9 ---	116.5 -----	184.7 -----	149.7 --	140.2 -----
LG 31230	153.1 -----	120.3 -----	201.5 -----	169.1 -----	159.1 -----
SM K0482	143.2 -----	112.8 -----	186.2 -----	162.1 -----	154.2 -----
SY Liberty	147.1 -----	106.6 ---	178.0 -----	172.0 -----	140.3 -----
SY Silverbull	135.2 -	96.8 -	163.0 -	146.6 -	112.4 -
KWS Glasgo	149.6 -----	104.2 ---	196.9 -----	165.7 -----	161.4 -----
Amarola	151.4 -----	117.9 -----	210.0 -----	154.8 ---	151.5 -----
KWS Irmo	150.9 -----	95.5 -	197.1 -----	157.6 -----	160.3 -----
RH21015	148.1 -----	118.6 -----	181.6 -----	154.6 ---	162.3 -----
Wesley	156.5 -----	118.6 -----	182.3 -----	175.5 -----	164.2 -----
LZM171/74	151.5 -----	115.2 -----	178.7 -----	170.9 -----	164.7 -----
KWS Granturismo	153.2 -----	114.0 -----	193.0 -----	172.1 -----	163.6 -----
KXC1012	145.3 -----	124.8 -----	191.0 -----	163.9 -----	137.6 -----
ES Myrdal	149.4 -----	120.1 -----	181.1 -----	173.3 -----	151.5 -----
P7647	147.2 -----	115.4 -----	182.5 -----	154.6 ---	143.8 -----
P7364	143.0 ---	111.4 -----	173.2 ---	157.9 ---	144.7 -----
SA0060	147.1 -----	117.4 -----	173.9 ---	149.0 -	157.8 -----
Silvio	157.1 -----	121.6 -----	197.3 -----	179.1 -----	173.9 -----
EW2969	152.3 -----	124.2 -----	186.5 -----	176.3 -----	155.8 -----
Pumori	139.5 --	124.8 -----	169.5 --	157.6 -----	135.6 -----
Neringa	141.4 ---	106.4 ---	178.1 -----	146.5 -	143.4 -----
LG 31211	141.6 ---	106.1 ---	176.9 -----	159.6 -----	143.8 -----
-Bezugsgrösse(n)	152.0 -----	107.4 ---	190.7 -----	172.7 -----	154.6 -----
Versuchs-Mittel	148.6 -----	114.3 -----	186.2 -----	163.0 -----	151.6 -----
VK [%]	8.4	11.4	6.8	8.7	6.4
KGD (5%)	7.6	ns	20.8	ns	15.9
KGD (1%)	10.0	ns	27.7	ns	21.2
Versuchs-Streuung	12.5	13.1	12.7	14.1	9.7
FG Fehlerterm	394.0	56.0	56.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	19101.0	29	4.23 ***	1.50	0.0000
Anbauorte	671400.7	6	718.49 ***	2.12	0.0000
WW Verf.*Anb.Orte	43716.4	174	1.61 ns	1.23	
Fehler	61363.3	394			
Insgesamt	795581.3	603			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	152.8	--	88.4	-----	161.1	----
LG 31207	160.5	----	92.2	-----	178.5	-----
KWS Damario	174.3	-----	93.0	-----	165.1	----
KWS Papageno	179.8	-----	83.5	-----	183.3	-----
KWS Odorico	168.8	-----	100.3	-----	165.9	-----
LG 31217	182.7	-----	79.7	-----	179.7	-----
Emeleen	168.6	-----	93.8	-----	171.4	-----
DKC 3218	170.4	-----	98.1	-----	182.9	-----
SY Hummer	170.2	-----	94.1	-----	158.9	----
LG 31230	164.2	-----	91.1	-----	166.5	-----
SM K0482	171.2	-----	42.9	-	173.3	-----
SY Liberty	169.3	-----	88.8	-----	174.5	-----
SY Silverbull	167.3	-----	88.4	-----	171.4	-----
KWS Glasgo	174.9	-----	84.7	-----	159.7	----
Amarola	162.0	----	88.7	-----	174.9	-----
KWS Irmo	178.0	-----	90.9	-----	176.7	-----
RH21015	182.2	-----	89.0	-----	148.6	-
Wesley	183.3	-----	88.8	-----	182.9	-----
LZM171/74	160.1	----	96.5	-----	174.7	-----
KWS Granturismo	166.0	-----	81.2	-----	182.3	-----
KXC1012	156.8	---	73.9	-----	168.9	-----
ES Myrdal	161.6	----	87.5	-----	170.6	-----
P7647	181.3	-----	74.7	-----	178.4	-----
P7364	149.2	-	87.5	-----	177.2	-----
SA0060	168.3	-----	96.6	-----	166.5	-----
Silvio	177.1	-----	85.3	-----	165.7	-----
EW2969	172.2	-----	92.9	-----	157.9	----
Pumori	155.8	---	76.4	-----	157.1	----
Neringa	156.9	---	93.1	-----	165.3	-----
LG 31211	166.3	-----	83.4	-----	155.4	----
-Bezugsgrösse(n)	175.7	-----	90.0	-----	172.8	-----
Versuchs-Mittel	168.4	-----	86.8	-----	169.8	-----
VK [%]	7.6		14.0		7.2	
KGD (5%)	ns		19.8		20.1	
KGD (1%)	ns		26.4		ns	
Versuchs-Streuung	12.8		12.1		12.3	
FG Fehlerterm	56.0		56.0		56.0	
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	5643 Alikon AG
LG 31219	78.4 ----	61.6 -----	103.4 ----	91.6 --	82.7 -----
LG 31207	83.5 -----	53.1 ----	117.5 -----	100.1 ----	83.7 -----
KWS Damario	81.6 ----	49.1 ----	115.4 ----	100.2 ----	80.8 ----
KWS Papageno	82.6 ----	64.3 -----	108.2 ----	96.7 ----	75.1 ----
KWS Odorico	84.4 -----	50.4 ----	120.1 -----	111.9 -----	77.8 ----
LG 31217	85.8 -----	50.8 ----	113.7 -----	103.9 -----	89.5 -----
Emeleen	81.6 ----	55.7 ----	115.5 -----	98.2 ----	78.4 ----
DKC 3218	81.5 ----	55.0 ----	119.7 -----	104.2 -----	78.2 ----
SY Hummer	79.8 ----	57.8 -----	109.7 ----	93.3 --	71.1 ----
LG 31230	87.4 -----	60.5 -----	122.4 -----	111.5 -----	90.1 -----
SM K0482	80.2 ----	54.8 ----	117.7 -----	101.9 ----	79.3 ----
SY Liberty	78.5 ----	41.3 -	102.5 ----	115.2 -----	73.0 ----
SY Silverbull	75.4 --	44.3 --	100.8 --	97.6 ----	58.0 -
KWS Glasgo	82.2 ----	47.4 --	118.9 -----	102.1 ----	87.9 ----
Amarola	83.9 -----	59.7 -----	128.5 -----	93.1 --	81.3 ----
KWS Irmo	80.4 ----	41.6 -	109.9 ----	94.8 --	81.7 ----
RH21015	73.5 -	49.2 ----	91.6 -	90.4 -	81.9 ----
Wesley	88.1 -----	63.7 -----	104.3 ----	105.6 -----	91.4 -----
LZM171/74	83.1 ----	58.7 ----	104.1 ----	107.7 -----	87.6 ----
KWS Granturismo	80.3 ----	53.3 ----	114.1 ----	97.4 ----	81.2 ----
KXC1012	84.1 -----	67.9 -----	121.6 -----	107.9 -----	73.3 ----
ES Myrdal	82.1 ----	61.1 ----	106.8 ----	114.0 -----	75.1 ----
P7647	79.4 ----	57.3 ----	108.9 ----	91.2 --	75.4 ----
P7364	78.5 ----	57.9 ----	102.4 ----	99.1 ----	73.3 ----
SA0060	84.0 -----	59.5 ----	106.0 ----	95.2 --	88.9 ----
Silvio	86.9 -----	56.6 ----	113.7 -----	112.6 -----	97.9 -----
EW2969	84.9 -----	57.9 ----	116.4 -----	110.5 -----	85.2 ----
Pumori	81.1 ----	63.1 -----	108.3 ----	101.3 ----	77.4 ----
Neringa	74.4 -	48.2 --	103.9 ----	88.2 -	71.8 ----
LG 31211	79.5 ----	54.2 ----	100.5 --	99.2 ----	76.5 ----
-Bezugsgrösse(n)	85.1 -----	50.6 ----	116.9 -----	107.9 -----	83.7 -----
Versuchs-Mittel	81.6 ----	55.2 ----	110.9 ----	101.2 ----	80.2 ----
VK [%]	11.4	17.2	10.8	11.7	8.2
KGD (5%)	5.7	ns	ns	ns	10.8
KGD (1%)	7.4	ns	ns	ns	14.3
Versuchs-Streuung	9.3	9.5	11.9	11.8	6.6
FG Fehlerterm	396.0	56.0	58.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7741.5	29	3.07 ***	1.50	0.0002
Anbauorte	352442.5	6	675.98 ***	2.12	0.0000
WW Verf.*Anb.Orte	22064.3	174	1.46 ns	1.23	
Fehler	34411.3	396			
Insgesamt	416659.5	605			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	81.2	--	40.9	-----	87.1	-----
LG 31207	87.1	----	40.0	-----	103.3	-----
KWS Damario	93.8	-----	43.0	-----	88.7	-----
KWS Papageno	94.1	-----	36.3	-----	103.6	-----
KWS Odorico	91.8	-----	47.2	-----	91.7	-----
LG 31217	97.7	-----	39.2	-----	105.9	-----
Emeleen	90.3	----	42.0	-----	90.8	-----
DKC 3218	77.9	-	43.3	-----	91.9	-----
SY Hummer	93.0	-----	43.1	-----	90.5	-----
LG 31230	87.9	----	39.8	-----	99.8	-----
SM K0482	91.1	----	17.1	-	99.9	-----
SY Liberty	84.9	--	35.5	-----	97.1	-----
SY Silverbull	93.0	-----	40.7	-----	93.7	-----
KWS Glasgo	92.2	-----	37.0	-----	90.0	-----
Amarola	88.9	----	39.3	-----	96.8	-----
KWS Irmo	95.0	-----	42.6	-----	97.1	-----
RH21015	92.2	-----	34.9	-----	74.4	-
Wesley	105.6	-----	39.8	-----	106.1	-----
LZM171/74	87.2	----	43.9	-----	92.7	-----
KWS Granturismo	85.1	----	36.8	-----	94.4	-----
KXC1012	88.8	-----	35.2	-----	94.0	-----
ES Myrdal	89.0	-----	39.2	-----	89.9	-----
P7647	95.1	-----	34.2	-----	93.4	-----
P7364	77.5	-	43.5	-----	95.8	-----
SA0060	92.1	-----	47.8	-----	98.4	-----
Silvio	96.7	-----	39.4	-----	91.6	-----
EW2969	92.6	-----	47.3	-----	84.7	----
Pumori	88.9	-----	36.1	-----	92.6	-----
Neringa	80.1	--	44.3	-----	84.4	----
LG 31211	89.3	-----	42.0	-----	94.5	-----
-Bezugsgrösse(n)	94.8	-----	43.2	-----	98.8	-----
Versuchs-Mittel	90.0	----	39.7	-----	93.8	-----
VK [%]	9.9		16.6		8.6	
KGD (5%)	ns		10.8		13.3	
KGD (1%)	ns		14.4		ns	
Versuchs-Streuung	8.9		6.6		8.1	
FG Fehlerterm	56.0		56.0		56.0	
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	5643 Alikon AG
LG 31219	691.7 ----	691.7 -----	734.3 -----	731.3 ----	688.7 -----
LG 31207	685.1 ----	639.3 -	735.0 -----	723.3 ----	681.3 ----
KWS Damario	701.3 -----	670.3 ----	755.7 -----	739.3 -----	699.0 -----
KWS Papageno	704.1 -----	676.7 ----	741.3 -----	736.0 -----	678.3 ----
KWS Odorico	711.4 -----	672.0 ----	754.7 -----	757.0 -----	696.7 -----
LG 31217	705.5 -----	664.0 ----	756.0 -----	737.3 -----	704.7 -----
Emeleen	699.6 -----	690.3 -----	753.0 -----	728.7 ----	695.3 -----
DKC 3218	712.3 -----	711.3 -----	752.3 -----	728.3 ----	700.3 -----
SY Hummer	696.1 -----	673.3 ----	745.7 -----	716.7 --	681.0 ----
LG 31230	698.6 -----	663.3 ----	749.0 -----	735.3 -----	696.7 -----
SM K0482	681.0 ---	660.3 ---	731.7 -----	706.0 --	674.3 ----
SY Liberty	686.4 ----	634.0 -	717.7 ----	731.7 -----	702.7 -----
SY Silverbull	704.9 -----	664.7 ----	753.3 -----	741.3 -----	662.3 --
KWS Glasgo	696.0 ----	675.0 ----	735.3 -----	735.0 -----	689.3 -----
Amarola	696.9 -----	703.3 -----	745.0 -----	713.0 ---	671.0 ---
KWS Irmo	689.1 ----	647.0 --	742.0 -----	707.0 --	677.7 ----
RH21015	675.1 -	650.0 --	694.7 -	698.0 -	677.0 ----
Wesley	708.9 -----	678.0 ----	741.0 -----	732.7 -----	712.0 -----
LZM171/74	695.3 ----	673.7 ----	724.0 ----	738.3 -----	687.3 ----
KWS Granturismo	682.2 ---	674.0 ----	729.0 ----	701.3 -	683.7 ----
KXC1012	713.0 -----	727.7 -----	761.3 -----	766.7 -----	679.0 ----
ES Myrdal	706.1 -----	693.3 -----	760.3 -----	751.7 -----	685.7 -----
P7647	682.8 ---	685.0 ----	719.7 ----	715.7 --	675.0 ----
P7364	671.8 -	689.3 -----	693.3 -	706.3 --	676.3 ----
SA0060	703.3 -----	683.3 -----	731.0 ----	742.3 -----	705.3 -----
Silvio	696.0 ----	666.7 ----	739.7 -----	733.0 -----	707.0 -----
EW2969	706.2 -----	700.0 -----	743.7 -----	744.7 -----	683.3 ----
Pumori	680.0 ---	673.3 ----	731.3 ----	728.3 ----	656.7 -
Neringa	692.1 ----	663.0 ----	733.0 ----	723.0 ----	690.3 -----
LG 31211	706.0 -----	669.3 ----	740.3 -----	738.7 -----	688.3 ----
-Bezugsgrösse(n)	708.5 -----	668.0 ----	755.3 -----	747.2 -----	700.7 -----
Versuchs-Mittel	696.0 ----	675.4 ----	738.1 ----	729.6 ----	686.9 ----
VK [%]	2.7	4.4	2.3	2.6	2.2
KGD (5%)	11.5	ns	27.9	31.3	25.2
KGD (1%)	15.2	ns	37.2	41.7	33.5
Versuchs-Streuung	19.0	29.9	17.1	19.2	15.4
FG Fehlerterm	394.0	56.0	56.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	78964.7	29	7.53 ***	1.50	0.0000
Anbauorte	388790.1	6	179.25 ***	2.12	0.0000
WW Verf.*Anb.Orte	99096.5	174	1.58 ns	1.23	
Fehler	142429.0	394			
Insgesamt	709280.3	603			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	666.7	----	666.0	-----	663.0	--
LG 31207	679.3	----	666.7	-----	671.0	---
KWS Damario	703.0	-----	673.7	-----	668.3	---
KWS Papageno	701.0	-----	682.3	-----	713.0	-----
KWS Odorico	709.7	-----	691.3	-----	698.7	-----
LG 31217	691.3	-----	688.7	-----	696.3	-----
Emeleen	682.0	-----	669.3	-----	678.3	----
DKC 3218	691.0	-----	697.3	-----	705.7	-----
SY Hummer	681.7	-----	679.0	-----	695.7	-----
LG 31230	686.3	-----	676.3	-----	683.0	-----
SM K0482	680.0	-----	627.7	-	687.3	-----
SY Liberty	670.0	---	670.7	-----	678.3	----
SY Silverbull	719.0	-----	694.0	-----	699.3	-----
KWS Glasgo	697.7	-----	662.3	-----	677.0	----
Amarola	665.0	---	683.0	-----	698.0	-----
KWS Irmo	707.0	-----	676.0	-----	667.0	---
RH21015	688.0	-----	662.7	-----	655.3	-
Wesley	712.7	-----	684.3	-----	701.3	-----
LZM171/74	684.7	-----	674.3	-----	685.0	-----
KWS Granturismo	666.0	----	638.7	--	682.7	-----
KXC1012	686.3	-----	664.3	-----	706.0	-----
ES Myrdal	683.3	-----	670.3	-----	698.0	-----
P7647	682.7	-----	637.0	--	664.7	--
P7364	643.0	-	644.0	---	650.3	-
SA0060	698.7	-----	682.7	-----	680.0	----
Silvio	684.0	-----	661.0	-----	680.3	-----
EW2969	691.7	-----	681.0	-----	699.3	-----
Pumori	683.7	-----	632.0	-	655.0	-
Neringa	686.3	-----	662.3	-----	686.7	-----
LG 31211	699.7	-----	679.0	-----	726.7	-----
-Bezugsgrösse(n)	700.5	-----	690.0	-----	697.5	-----
Versuchs-Mittel	687.4	-----	669.3	-----	685.0	-----
VK [%]	2.4		2.3		2.2	
KGD (5%)	27.1		25.2		24.9	
KGD (1%)	36.1		33.5		33.1	
Versuchs-Streuung	16.6		15.4		15.2	
FG Fehlerterm	56.0		58.0		56.0	
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	5643 Alikon AG
LG 31219	377.2	362.9	438.1	436.3	383.3
LG 31207	371.4	324.9	444.3	429.4	358.5
KWS Damario	375.4	295.4	447.5	459.9	376.7
KWS Papageno	376.4	354.5	420.6	441.5	352.4
KWS Odorico	391.8	308.7	467.9	490.9	379.4
LG 31217	387.6	317.7	456.3	442.4	378.8
Emeleen	377.3	334.5	452.3	464.2	364.8
DKC 3218	354.8	289.3	458.5	429.3	330.5
SY Hummer	378.3	332.6	442.9	447.0	345.1
LG 31230	391.1	332.7	455.3	484.4	394.0
SM K0482	367.1	318.2	462.3	443.2	346.8
SY Liberty	356.6	245.6	412.4	489.8	365.6
SY Silverbull	383.4	283.4	465.9	492.5	341.4
KWS Glasgo	373.0	305.6	440.9	452.2	375.2
Amarola	378.7	351.6	455.7	429.0	360.0
KWS Irmo	359.7	274.5	413.8	425.0	345.6
RH21015	329.0	269.0	349.7	407.3	341.3
Wesley	392.5	362.7	423.9	441.2	396.6
LZM171/74	376.9	341.7	421.4	465.6	365.3
KWS Granturismo	350.9	307.6	430.6	395.9	339.1
KXC1012	406.2	395.5	484.5	504.6	361.4
ES Myrdal	381.4	346.0	448.1	493.6	340.7
P7647	363.1	337.8	429.8	421.7	354.2
P7364	365.9	357.2	410.6	443.4	342.6
SA0060	396.9	343.6	444.2	474.7	397.6
Silvio	377.3	306.7	425.0	461.2	397.2
EW2969	389.0	325.6	465.1	466.4	373.8
Pumori	388.8	337.8	467.4	467.9	374.6
Neringa	358.4	284.4	427.8	434.0	345.5
LG 31211	391.7	340.6	420.4	457.0	366.3
-Bezugsgrösse(n)	389.7	313.2	462.1	466.7	379.1
Versuchs-Mittel	375.6	322.9	439.4	453.1	363.1
VK [%]	7.1	12.2	7.4	6.6	5.1
KGD (5%)	16.3	64.5	53.0	49.2	30.4
KGD (1%)	21.4	85.9	ns	65.5	40.5
Versuchs-Streuung	26.8	39.4	32.4	30.1	18.6
FG Fehlerterm	398.0	56.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	158167.3	29	7.58 ***	1.50	0.0000
Anbauorte	1631597.3	6	377.83 ***	2.12	0.0000
WW Verf.*Anb.Orte	216315.5	174	1.73 ***	1.23	0.0008
Fehler	286451.2	398			
Insgesamt	2292531.3	607			

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

Verfahren	8046 Reckenholz ZH		8193 Eglisau ZH		8566 Ellighausen TG	
LG 31219	354.8	----	306.9	-----	357.9	---
LG 31207	367.8	-----	288.6	----	386.1	-----
KWS Damario	377.6	-----	310.7	-----	359.9	---
KWS Papageno	366.5	-----	295.8	-----	403.2	-----
KWS Odorico	385.7	-----	324.3	-----	385.9	-----
LG 31217	369.6	-----	336.6	-----	411.6	-----
Emeleen	364.9	-----	299.6	-----	360.7	---
DKC 3218	316.0	-	306.3	-----	353.8	---
SY Hummer	373.1	-----	311.2	-----	396.3	-----
LG 31230	367.8	-----	294.9	-----	408.4	-----
SM K0482	361.5	----	241.6	-	396.0	-----
SY Liberty	335.7	---	269.5	---	377.6	----
SY Silverbull	399.9	-----	319.3	-----	381.5	----
KWS Glasgo	367.5	-----	287.9	----	381.5	----
Amarola	364.7	-----	302.8	----	387.1	-----
KWS Irmo	377.5	-----	314.7	-----	366.4	----
RH21015	348.0	----	260.0	--	327.7	-
Wesley	410.3	-----	306.1	-----	406.8	-----
LZM171/74	373.3	-----	307.0	-----	364.0	----
KWS Granturismo	341.1	---	289.0	----	353.0	---
KXC1012	389.1	-----	315.0	-----	393.1	-----
ES Myrdal	375.8	-----	297.5	-----	368.2	----
P7647	358.3	----	292.2	----	347.9	--
P7364	334.7	---	320.8	-----	351.8	---
SA0060	380.6	-----	335.8	-----	401.9	-----
Silvio	372.7	-----	302.6	-----	376.0	----
EW2969	371.4	-----	345.4	-----	375.4	----
Pumori	390.4	-----	298.3	-----	385.2	-----
Neringa	349.6	----	315.3	-----	351.9	---
LG 31211	375.0	-----	340.7	-----	442.2	-----
-Bezugsgrösse(n)	377.7	-----	330.4	-----	398.8	-----
Versuchs-Mittel	367.4	-----	304.6	-----	378.6	----
VK [%]	5.8		6.2		5.2	
KGD (5%)	34.8		31.0		31.9	
KGD (1%)	46.3		41.3		42.4	
Versuchs-Streuung	21.3		19.0		19.5	
FG Fehlerterm	56.0		58.0		58.0	
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	5643 Alikon AG
LG 31219	182.5 ----	188.1 ---	150.0 ----	152.4 -----	192.3 ----
LG 31207	182.8 ----	211.5 -----	142.6 ---	152.7 -----	194.8 -----
KWS Damario	175.2 ---	194.2 ---	132.0 ---	146.8 ----	185.5 ---
KWS Papageno	173.2 --	190.0 ----	143.7 ----	147.0 ----	198.6 -----
KWS Odorico	167.6 -	195.1 -----	131.7 --	129.1 -	183.4 ---
LG 31217	179.1 ----	216.6 -----	138.7 ----	151.4 -----	187.1 ----
Emeleen	179.2 ----	203.1 -----	141.9 ----	134.6 --	191.9 ----
DKC 3218	179.2 ----	196.7 ----	136.4 ---	152.4 -----	199.1 -----
SY Hummer	181.6 ----	204.7 ----	147.5 ----	158.8 -----	199.3 -----
LG 31230	174.3 ---	210.4 -----	137.7 ---	130.1 -	179.9 --
SM K0482	189.7 -----	216.7 -----	149.0 ----	157.9 -----	203.3 -----
SY Liberty	189.4 -----	234.1 -----	161.4 -----	137.8 ---	190.8 ----
SY Silverbull	175.4 ---	217.3 -----	128.3 --	134.2 --	209.1 -----
KWS Glasgo	179.8 ----	208.0 ----	138.6 ----	147.2 ----	185.0 ---
Amarola	176.9 ---	177.7 --	133.0 ---	158.1 ----	197.2 ----
KWS Irmo	182.8 ----	216.0 -----	145.4 ----	157.0 -----	195.2 ----
RH21015	199.6 -----	227.7 -----	184.7 -----	173.1 -----	199.6 -----
Wesley	177.6 ----	200.9 ----	151.4 ----	161.5 -----	179.9 --
LZM171/74	182.7 ----	205.4 ----	150.8 ----	150.4 ----	196.1 ----
KWS Granturismo	185.9 -----	205.9 ----	144.5 ---	172.2 -----	193.8 ----
KXC1012	167.7 -	170.0 -	119.3 -	135.2 --	198.9 -----
ES Myrdal	176.1 ---	194.8 ---	134.5 ---	136.2 --	195.1 -----
P7647	189.8 -----	202.9 ----	158.2 -----	166.6 -----	197.7 ----
P7364	194.0 -----	200.3 ----	160.2 -----	168.6 -----	201.2 -----
SA0060	178.1 ----	206.4 ----	152.1 ----	152.5 ----	183.3 ---
Silvio	179.5 ----	212.5 -----	142.9 ----	154.7 -----	176.9 -
EW2969	175.5 ---	195.7 ----	131.0 --	148.8 ----	191.0 ----
Pumori	179.8 ----	196.6 ----	136.9 ---	158.2 -----	193.9 -----
Neringa	177.3 ----	198.9 ----	140.7 ----	152.4 ----	187.7 ---
LG 31211	178.4 ----	209.6 -----	146.0 ----	150.9 -----	196.9 -----
-Bezugsgrösse(n)	173.4 --	205.9 -----	135.2 ---	140.3 ---	185.3 ---
Versuchs-Mittel	180.4 ----	203.6 ----	143.7 ----	151.0 -----	192.8 -----
VK [%]	7.1	9.6	9.7	9.3	5.1
KGD (5%)	7.8	ns	22.7	23.0	16.1
KGD (1%)	10.2	ns	30.2	30.7	ns
Versuchs-Streuung	12.8	19.5	13.9	14.1	9.8
FG Fehlerterm	396.0	56.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	29818.9	29	6.28 ***	1.50	0.0000
Anbauorte	304169.5	6	309.37 ***	2.12	0.0000
WW Verf.*Anb.Orte	42064.4	174	1.48 ns	1.23	
Fehler	64889.6	396			
Insgesamt	440942.3	605			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	198.8	-----	204.8	----	191.2	-----
LG 31207	186.9	---	205.2	-----	186.3	-----
KWS Damario	181.3	---	197.0	---	189.6	-----
KWS Papageno	184.0	---	190.4	--	158.4	-
KWS Odorico	172.9	-	186.9	-	174.0	----
LG 31217	194.1	-----	194.9	---	171.0	---
Emeleen	191.0	----	204.2	-----	187.9	-----
DKC 3218	196.6	-----	193.0	---	180.3	-----
SY Hummer	192.0	-----	195.4	---	173.4	---
LG 31230	191.1	-----	199.0	----	172.0	---
SM K0482	196.9	-----	227.1	-----	176.9	----
SY Liberty	209.5	-----	206.4	-----	186.1	-----
SY Silverbull	169.8	-	194.9	---	174.3	----
KWS Glasgo	187.7	----	209.8	-----	182.0	----
Amarola	196.8	-----	201.3	----	174.2	----
KWS Irmo	178.8	---	197.5	----	189.8	-----
RH21015	191.2	----	210.8	-----	210.5	-----
Wesley	175.4	--	200.8	----	173.1	---
LZM171/74	190.7	----	195.5	---	189.8	-----
KWS Granturismo	195.6	-----	207.1	-----	182.3	-----
KXC1012	178.2	--	202.4	-----	169.6	---
ES Myrdal	189.9	----	202.8	----	179.6	----
P7647	193.8	----	215.6	-----	193.7	-----
P7364	215.2	-----	209.8	-----	203.0	-----
SA0060	181.9	---	184.1	-	186.3	-----
Silvio	185.4	----	199.1	----	185.2	-----
EW2969	188.6	----	190.8	--	182.5	----
Pumori	181.7	---	198.4	----	192.7	-----
Neringa	188.3	----	187.6	-	185.5	-----
LG 31211	187.3	----	196.1	---	162.0	-
-Bezugsgrösse(n)	183.5	----	190.9	--	172.5	---
Versuchs-Mittel	189.0	-----	200.3	----	182.1	-----
VK [%]	5.6		4.9		4.6	
KGD (5%)	17.3		16.1		13.6	
KGD (1%)	23.1		21.4		18.2	
Versuchs-Streuung	10.6		9.8		8.3	
FG Fehlerterm	56.0		58.0		56.0	
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	5643 Alikon AG
LG 31219	420.8 ----	457.6 ----	360.7 ----	375.1 -----	421.1 --
LG 31207	430.7 -----	499.3 -----	361.7 ----	385.1 -----	442.2 ----
KWS Damario	407.2 --	466.2 ----	319.0 -	359.6 ----	411.4 -
KWS Papageno	397.1 --	450.8 ----	331.0 --	348.5 --	432.3 ----
KWS Odorico	389.0 -	466.0 -----	312.1 -	323.8 -	421.0 --
LG 31217	421.3 ----	501.4 -----	343.1 ---	381.0 -----	428.6 ---
Emeleen	421.5 ----	467.2 -----	345.7 ---	360.4 ----	436.9 ----
DKC 3218	418.4 ----	460.3 -----	348.8 ---	383.2 -----	441.1 ----
SY Hummer	414.9 ---	462.4 -----	343.3 ---	380.4 -----	437.8 ----
LG 31230	412.7 ----	480.1 -----	337.2 ---	346.8 ---	417.9 --
SM K0482	436.0 -----	499.1 -----	357.6 ----	378.8 -----	456.6 -----
SY Liberty	438.1 -----	524.5 -----	388.0 -----	363.0 ----	439.1 ----
SY Silverbull	417.5 ----	506.1 -----	321.4 -	356.1 ----	480.1 -----
KWS Glasgo	423.1 ----	480.6 -----	345.9 ---	364.3 ----	430.2 ----
Amarola	414.4 ----	431.7 ---	331.8 --	383.0 -----	439.3 ----
KWS Irmo	424.5 -----	497.0 -----	343.0 ---	393.7 -----	438.1 ----
RH21015	460.0 -----	509.1 -----	444.4 -----	421.7 -----	456.0 -----
Wesley	417.7 ----	476.9 -----	362.8 ----	385.5 -----	420.5 --
LZM171/74	426.9 -----	472.8 -----	373.5 ----	373.9 ----	439.1 ----
KWS Granturismo	433.5 -----	491.0 -----	353.6 ----	406.8 -----	437.4 ----
KXC1012	395.5 --	398.1 -	310.6 -	339.4 --	441.7 ----
ES Myrdal	400.6 --	447.5 ----	313.7 -	339.5 --	422.0 --
P7647	440.0 -----	465.6 ----	395.3 -----	393.7 -----	445.4 ----
P7364	457.1 -----	477.2 ----	403.7 -----	412.6 -----	464.7 -----
SA0060	415.5 ----	466.6 ----	362.9 ----	367.2 ----	429.4 ---
Silvio	425.3 -----	500.8 -----	364.0 ----	368.4 ----	415.8 -
EW2969	419.2 ----	452.5 ----	346.7 ---	369.7 ----	449.0 -----
Pumori	419.7 ----	449.0 ----	351.9 ----	366.9 ----	448.9 -----
Neringa	415.8 ----	458.4 ----	365.2 ----	367.8 ----	425.0 ---
LG 31211	419.8 ----	486.2 -----	366.2 ----	366.3 ----	450.9 -----
-Bezugsgrösse(n)	405.1 ---	483.7 -----	327.6 --	352.4 ----	424.8 ---
Versuchs-Mittel	421.1 ----	473.4 -----	353.5 ----	372.1 -----	437.3 ----
VK [%]	5.7	7.4	7.6	7.6	4.4
KGD (5%)	14.7	ns	43.8	46.4	31.7
KGD (1%)	19.3	ns	58.2	ns	ns
Versuchs-Streuung	24.2	34.9	26.8	28.4	19.3
FG Fehlerterm	396.0	56.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	149547.2	29	8.81 ***	1.50	0.0000
Anbauorte	1062759.4	6	302.49 ***	2.12	0.0000
WW Verf.*Anb.Orte	141271.0	174	1.39 ns	1.23	
Fehler	231884.9	396			
Insgesamt	1585462.6	605			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	439.2	-----	462.3	-----	430.0	-----
LG 31207	430.8	-----	463.5	-----	432.6	-----
KWS Damario	413.4	---	448.5	---	432.0	-----
KWS Papageno	405.0	---	430.2	--	382.3	-
KWS Odorico	386.4	-	418.5	-	395.2	--
LG 31217	439.2	-----	453.1	----	402.5	---
Emeleen	437.2	-----	464.5	-----	438.6	-----
DKC 3218	437.2	-----	434.7	--	423.4	-----
SY Hummer	426.2	-----	442.3	---	411.6	----
LG 31230	435.2	-----	464.4	-----	407.4	----
SM K0482	437.1	-----	503.4	-----	419.4	-----
SY Liberty	464.1	-----	461.3	-----	426.8	-----
SY Silverbull	394.9	-	451.1	----	412.9	----
KWS Glasgo	427.5	-----	480.4	-----	433.2	-----
Amarola	439.5	-----	464.6	-----	410.9	----
KWS Irmo	409.3	---	455.4	-----	434.9	-----
RH21015	441.7	-----	480.5	-----	466.6	-----
Wesley	409.5	---	465.3	-----	403.3	---
LZM171/74	435.4	-----	460.1	-----	433.4	-----
KWS Granturismo	447.5	-----	483.3	-----	414.8	----
KXC1012	411.6	---	471.8	-----	395.1	--
ES Myrdal	424.8	-----	455.9	-----	401.0	---
P7647	441.1	-----	496.8	-----	441.9	-----
P7364	481.2	-----	508.1	-----	452.4	-----
SA0060	413.1	---	444.1	---	425.0	-----
Silvio	424.1	-----	480.4	-----	423.3	-----
EW2969	427.4	-----	465.1	-----	424.0	-----
Pumori	417.6	----	475.4	-----	428.2	-----
Neringa	434.1	-----	448.8	----	411.2	----
LG 31211	420.5	----	465.5	-----	383.2	-
-Bezugsgrösse(n)	412.8	---	435.8	---	398.9	---
Versuchs-Mittel	428.4	-----	463.3	-----	419.9	-----
VK [%]	4.7		4.0		3.6	
KGD (5%)	32.8		30.6		25.0	
KGD (1%)	43.7		40.7		33.3	
Versuchs-Streuung	20.1		18.7		15.3	
FG Fehlerterm	56.0		58.0		56.0	
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	5643 Alikon AG
LG 31219	76.6 -----	82.6 ----	78.8 ----	71.6 -----	71.4 -----
LG 31207	77.0 -----	81.0 ----	80.7 -----	71.5 -----	72.4 -----
KWS Damario	76.0 -----	83.0 -----	77.8 ----	66.8 ----	72.0 -----
KWS Papageno	76.5 -----	83.7 -----	80.5 -----	67.3 ----	70.2 ----
KWS Odorico	79.7 -----	87.6 -----	83.2 -----	71.2 -----	72.0 -----
LG 31217	71.5 -	75.9 -	73.1 -	63.0 -	69.9 ----
Emeleen	76.9 -----	80.0 ----	78.4 ----	74.7 -----	71.5 -----
DKC 3218	76.9 -----	79.9 ----	80.9 -----	66.9 ----	73.3 -----
SY Hummer	77.0 -----	84.0 -----	80.0 -----	70.1 -----	73.4 -----
LG 31230	78.2 -----	81.8 ----	83.9 -----	75.8 -----	73.8 -----
SM K0482	75.8 ----	84.4 -----	78.2 ----	72.5 -----	67.3 -
SY Liberty	78.6 -----	86.3 -----	86.5 -----	72.2 -----	69.6 ----
SY Silverbull	77.8 -----	86.7 -----	84.1 -----	70.0 -----	70.3 ----
KWS Glasgo	75.3 ----	85.2 -----	78.8 ----	66.9 ----	69.3 ----
Amarola	75.2 ----	86.2 -----	76.2 ----	68.1 ----	69.0 ----
KWS Irmo	76.3 -----	83.3 -----	77.3 ----	65.8 ----	72.9 -----
RH21015	75.0 ----	81.5 ----	73.7 -	65.4 ----	75.3 -----
Wesley	71.6 -	79.8 ----	76.9 ----	62.7 -	67.0 -
LZM171/74	75.4 ----	83.2 -----	83.3 -----	69.3 -----	69.6 ----
KWS Granturismo	74.7 ----	79.7 ----	76.5 ----	66.9 ----	70.7 ----
KXC1012	75.6 ----	83.5 -----	79.5 -----	69.4 -----	70.6 ----
ES Myrdal	78.5 -----	86.8 -----	83.2 -----	70.8 -----	74.4 -----
P7647	76.0 -----	86.8 -----	77.5 ----	64.7 --	72.9 -----
P7364	72.9 --	80.3 ----	77.7 ----	62.6 -	71.8 -----
SA0060	74.7 ----	83.0 -----	80.6 -----	65.4 ----	68.5 --
Silvio	73.8 ----	80.8 ----	76.8 ----	64.5 --	71.1 ----
EW2969	74.9 ----	83.4 -----	81.1 -----	68.6 ----	70.3 ----
Pumori	78.9 -----	88.3 -----	85.4 -----	69.2 -----	72.0 -----
Neringa	80.3 -----	89.7 -----	87.2 -----	70.1 -----	75.7 -----
LG 31211	74.3 ----	79.5 ----	79.8 ----	69.3 -----	70.6 ----
-Bezugsgrösse(n)	75.6 ----	81.8 ----	78.2 ----	67.1 ----	71.0 ----
Versuchs-Mittel	76.1 -----	83.3 -----	79.9 -----	68.4 -----	71.3 -----
VK [%]	4.1	4.2	4.0	5.6	3.5
KGD (5%)	1.9	5.7	5.3	6.2	4.1
KGD (1%)	2.5	7.7	7.0	8.3	5.5
Versuchs-Streuung	3.1	3.5	3.2	3.8	2.5
FG Fehlerterm	398.0	56.0	58.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2742.1	29	9.73 ***	1.50	0.0000
Anbauorte	15278.9	6	262.00 ***	2.12	0.0000
WW Verf.*Anb.Orte	2729.7	174	1.61 ns	1.23	
Fehler	3868.3	398			
Insgesamt	24619.1	607			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31219	73.9 -----	80.2 -----	77.6 -----
LG 31207	76.3 -----	80.5 -----	76.7 -----
KWS Damario	72.6 -----	81.2 -----	78.7 -----
KWS Papageno	74.4 -----	81.0 -----	78.1 -----
KWS Odorico	78.3 -----	83.1 -----	82.4 -----
LG 31217	67.2 -	75.5 ---	75.6 ----
Emeleen	77.5 -----	79.1 -----	77.0 -----
DKC 3218	76.4 -----	82.1 -----	79.0 -----
SY Hummer	72.8 -----	80.1 -----	78.6 -----
LG 31230	72.8 -----	79.7 -----	79.6 -----
SM K0482	71.0 ----	81.9 -----	75.1 ---
SY Liberty	70.1 ---	86.5 -----	78.7 -----
SY Silverbull	75.3 -----	80.5 -----	77.8 -----
KWS Glasgo	72.9 -----	78.7 -----	75.5 ---
Amarola	73.6 -----	77.2 ----	76.4 ----
KWS Irmo	75.9 -----	79.9 -----	78.8 -----
RH21015	75.5 -----	80.1 -----	73.4 -
Wesley	67.1 -	73.9 --	73.7 --
LZM171/74	69.1 --	76.2 ---	77.4 ----
KWS Granturismo	72.5 -----	81.3 -----	75.5 ---
KXC1012	71.9 -----	77.0 ----	77.5 -----
ES Myrdal	72.4 -----	81.2 -----	80.7 -----
P7647	71.2 ----	81.7 -----	77.0 -----
P7364	69.6 --	75.5 ---	72.7 -
SA0060	74.3 -----	77.3 ----	73.6 --
Silvio	70.5 ----	79.2 -----	73.7 --
EW2969	73.5 -----	73.8 --	73.4 -
Pumori	73.8 -----	85.5 -----	78.4 -----
Neringa	75.7 -----	84.4 -----	79.2 -----
LG 31211	72.3 -----	72.1 -	76.6 -----
-Bezugsgrösse(n)	72.7 -----	79.3 -----	79.0 -----
Versuchs-Mittel	73.0 -----	79.5 -----	77.0 -----
VK [%]	4.5	3.3	3.3
KGD (5%)	5.3	4.4	4.2
KGD (1%)	7.1	5.8	5.6
Versuchs-Streuung	3.3	2.7	2.6
FG Fehlerterm	56.0	56.0	58.0
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	5643 Alikon AG
LG 31219	6.3 ----	6.3 -----	6.7 -----	6.7 -----	6.2 -----
LG 31207	6.2 ---	5.7 -	6.7 -----	6.6 ---	6.1 ----
KWS Damario	6.4 -----	6.1 ----	7.0 -----	6.8 -----	6.4 -----
KWS Papageno	6.4 -----	6.1 ----	6.8 -----	6.8 -----	6.1 ----
KWS Odorico	6.5 -----	6.1 ----	6.9 -----	7.0 -----	6.3 -----
LG 31217	6.4 -----	6.0 ---	7.0 -----	6.8 -----	6.4 -----
Emeleen	6.4 -----	6.3 -----	6.9 -----	6.7 ----	6.3 -----
DKC 3218	6.5 -----	6.5 -----	6.9 -----	6.7 ----	6.3 -----
SY Hummer	6.3 ----	6.1 ----	6.9 -----	6.5 ---	6.1 ----
LG 31230	6.3 -----	6.0 ---	6.9 -----	6.8 -----	6.3 -----
SM K0482	6.1 --	5.9 ---	6.7 -----	6.4 --	6.1 ----
SY Liberty	6.2 ---	5.6 -	6.6 ----	6.7 -----	6.4 -----
SY Silverbull	6.4 -----	6.0 ---	7.0 -----	6.8 -----	5.9 --
KWS Glasgo	6.3 ----	6.1 ----	6.7 ----	6.8 -----	6.2 ----
Amarola	6.3 ----	6.4 -----	6.8 -----	6.5 ---	6.0 ---
KWS Irmo	6.2 ----	5.8 --	6.8 -----	6.4 --	6.1 ----
RH21015	6.1 -	5.8 --	6.3 -	6.3 -	6.1 ----
Wesley	6.5 -----	6.1 ----	6.8 -----	6.7 -----	6.5 -----
LZM171/74	6.3 ----	6.1 ----	6.6 ----	6.8 -----	6.2 ----
KWS Granturismo	6.2 ---	6.0 ---	6.7 ----	6.4 --	6.2 ----
KXC1012	6.5 -----	6.7 -----	7.0 -----	7.1 -----	6.1 ----
ES Myrdal	6.4 -----	6.3 -----	7.0 -----	6.9 -----	6.2 ----
P7647	6.2 ---	6.2 ----	6.6 ----	6.5 ---	6.1 ----
P7364	6.1 -	6.2 ----	6.3 -	6.4 --	6.1 ----
SA0060	6.4 -----	6.2 ----	6.7 ----	6.8 -----	6.4 -----
Silvio	6.3 ----	6.0 ----	6.8 -----	6.7 -----	6.4 -----
EW2969	6.4 -----	6.3 -----	6.9 -----	6.9 -----	6.2 ----
Pumori	6.1 --	6.1 ----	6.7 ----	6.7 ----	5.9 -
Neringa	6.3 ----	5.9 ---	6.7 ----	6.6 ---	6.2 ----
LG 31211	6.4 -----	6.0 ----	6.8 -----	6.8 -----	6.2 ----
-Bezugsgrösse(n)	6.4 -----	6.0 ---	7.0 -----	6.9 -----	6.4 -----
Versuchs-Mittel	6.3 ----	6.1 ----	6.8 -----	6.7 ----	6.2 ----
VK [%]	3.4	5.4	2.9	3.2	2.8
KGD (5%)	0.1	ns	0.3	0.3	0.3
KGD (1%)	0.2	ns	0.4	0.5	0.4
Versuchs-Streuung	0.2	0.3	0.2	0.2	0.2
FG Fehlerterm	394.0	56.0	56.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	9.8	29	7.55 ***	1.50	0.0000
Anbauorte	46.7	6	173.10 ***	2.12	0.0000
WW Verf.*Anb.Orte	11.7	174	1.50 ns	1.23	
Fehler	17.7	394			

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

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
LG 31219	6.0	----	6.0	-----	5.9	--
LG 31207	6.1	-----	6.0	-----	6.1	----
KWS Damario	6.4	-----	6.0	-----	6.0	---
KWS Papageno	6.4	-----	6.2	-----	6.5	-----
KWS Odorico	6.5	-----	6.3	-----	6.3	-----
LG 31217	6.3	-----	6.2	-----	6.3	-----
Emeleen	6.1	-----	6.0	-----	6.1	----
DKC 3218	6.3	-----	6.3	-----	6.4	-----
SY Hummer	6.2	-----	6.1	-----	6.3	-----
LG 31230	6.2	-----	6.1	-----	6.1	----
SM K0482	6.1	-----	5.6	-	6.2	-----
SY Liberty	6.0	---	6.0	-----	6.1	----
SY Silverbull	6.6	-----	6.3	-----	6.3	-----
KWS Glasgo	6.3	-----	6.0	-----	6.1	----
Amarola	6.0	---	6.2	-----	6.3	-----
KWS Irmo	6.4	-----	6.1	-----	6.0	---
RH21015	6.2	-----	5.9	-----	5.9	-
Wesley	6.5	-----	6.2	-----	6.4	-----
LZM171/74	6.2	-----	6.1	-----	6.2	----
KWS Granturismo	6.0	---	5.7	--	6.2	-----
KXC1012	6.2	-----	6.0	-----	6.4	-----
ES Myrdal	6.2	-----	6.1	-----	6.3	-----
P7647	6.2	-----	5.6	-	6.0	---
P7364	5.7	-	5.8	---	5.8	-
SA0060	6.3	-----	6.2	-----	6.1	----
Silvio	6.2	-----	5.9	-----	6.1	----
EW2969	6.3	-----	6.1	-----	6.3	-----
Pumori	6.1	-----	5.6	-	5.9	-
Neringa	6.2	-----	5.9	-----	6.2	-----
LG 31211	6.3	-----	6.1	-----	6.6	-----
-Bezugsgrösse(n)	6.4	-----	6.3	-----	6.3	-----
Versuchs-Mittel	6.2	-----	6.0	-----	6.2	----
VK [%]	3.0		2.8		2.8	
KGD (5%)	0.3		0.3		0.3	
KGD (1%)	0.4		0.4		0.4	
Versuchs-Streuung	0.2		0.2		0.2	
FG Fehlerterm	56.0		58.0		56.0	
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	5643 Alikon AG
LG 31219	6.4 -----	6.4 -----	7.0 -----	7.0 -----	6.3 -----
LG 31207	6.3 ----	5.7 -	7.0 -----	6.9 ----	6.2 ----
KWS Damario	6.5 -----	6.2 ----	7.3 -----	7.1 -----	6.5 -----
KWS Papageno	6.6 -----	6.2 ----	7.1 -----	7.0 ----	6.2 ----
KWS Odorico	6.7 -----	6.2 ----	7.3 -----	7.3 -----	6.5 -----
LG 31217	6.6 -----	6.0 ----	7.3 -----	7.0 ----	6.6 -----
Emeleen	6.5 -----	6.4 ----	7.3 -----	6.9 ----	6.5 -----
DKC 3218	6.7 -----	6.7 -----	7.3 -----	6.9 ----	6.5 -----
SY Hummer	6.5 -----	6.2 ----	7.2 -----	6.8 ----	6.2 ----
LG 31230	6.5 -----	6.0 ----	7.2 -----	7.0 ----	6.5 -----
SM K0482	6.3 ---	6.0 ---	7.0 ----	6.6 --	6.2 ----
SY Liberty	6.3 ----	5.6 -	6.8 ----	7.0 ----	6.5 -----
SY Silverbull	6.6 -----	6.1 ----	7.3 -----	7.1 -----	6.0 -
KWS Glasgo	6.5 ----	6.2 ----	7.0 ----	7.0 ----	6.4 ----
Amarola	6.5 -----	6.6 -----	7.1 -----	6.7 ---	6.1 ---
KWS Irmo	6.4 ----	5.8 --	7.1 -----	6.6 --	6.2 ----
RH21015	6.2 --	5.8 --	6.4 -	6.5 -	6.2 ----
Wesley	6.7 -----	6.2 ----	7.1 -----	7.0 ----	6.7 -----
LZM171/74	6.5 ----	6.2 ----	6.9 ----	7.1 -----	6.3 ----
KWS Granturismo	6.3 ---	6.2 ----	6.9 ----	6.5 -	6.3 ----
KXC1012	6.7 -----	6.9 -----	7.4 -----	7.5 -----	6.2 ----
ES Myrdal	6.6 -----	6.5 -----	7.4 -----	7.2 -----	6.3 ----
P7647	6.3 ---	6.3 ----	6.8 ----	6.7 ---	6.2 ----
P7364	6.1 -	6.4 ----	6.4 -	6.6 --	6.2 ----
SA0060	6.6 -----	6.3 ----	7.0 ----	7.1 ----	6.6 -----
Silvio	6.5 -----	6.1 ----	7.1 -----	7.0 ----	6.6 -----
EW2969	6.6 -----	6.5 -----	7.2 -----	7.2 -----	6.3 ----
Pumori	6.3 ---	6.2 ----	7.0 ----	6.9 ----	5.9 -
Neringa	6.4 ----	6.0 ----	7.0 ----	6.9 ----	6.4 ----
LG 31211	6.6 -----	6.1 ----	7.1 -----	7.1 ----	6.3 ----
-Bezugsgrösse(n)	6.6 -----	6.1 ----	7.3 -----	7.2 -----	6.5 -----
Versuchs-Mittel	6.5 -----	6.2 ----	7.1 -----	6.9 ----	6.3 ----
VK [%]	4.2	6.8	3.5	4.1	3.5
KGD (5%)	0.2	ns	0.4	0.5	0.4
KGD (1%)	0.2	ns	0.5	0.6	0.5
Versuchs-Streuung	0.3	0.4	0.2	0.3	0.2
FG Fehlerterm	394.0	56.0	56.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16.2	29	7.54 ***	1.50	0.0000
Anbauorte	76.4	6	172.22 ***	2.12	0.0000
WW Verf.*Anb.Orte	20.0	174	1.56 ns	1.23	
Fehler	29.1	394			
Insgesamt	141.8	603			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
LG 31219	6.0 ---	6.0 -----	6.0 ---
LG 31207	6.2 -----	6.1 -----	6.1 ---
KWS Damario	6.5 -----	6.1 -----	6.1 ---
KWS Papageno	6.6 -----	6.3 -----	6.7 -----
KWS Odorico	6.6 -----	6.4 -----	6.5 -----
LG 31217	6.4 -----	6.4 -----	6.5 -----
Emeleen	6.3 -----	6.1 -----	6.2 ---
DKC 3218	6.4 -----	6.5 -----	6.6 -----
SY Hummer	6.3 -----	6.2 -----	6.4 -----
LG 31230	6.3 -----	6.2 -----	6.3 -----
SM K0482	6.2 -----	5.5 -	6.4 -----
SY Liberty	6.1 ---	6.1 -----	6.2 ---
SY Silverbull	6.8 -----	6.4 -----	6.5 -----
KWS Glasgo	6.5 -----	6.0 -----	6.2 ---
Amarola	6.0 ---	6.3 -----	6.5 -----
KWS Irmo	6.6 -----	6.2 -----	6.0 ---
RH21015	6.4 -----	6.0 -----	5.9 -
Wesley	6.7 -----	6.3 -----	6.6 -----
LZM171/74	6.3 -----	6.1 -----	6.3 -----
KWS Granturismo	6.1 ---	5.6 --	6.3 -----
KXC1012	6.3 -----	6.0 -----	6.6 -----
ES Myrdal	6.3 -----	6.1 -----	6.5 -----
P7647	6.3 -----	5.6 --	6.0 ---
P7364	5.7 -	5.7 ---	5.8 -
SA0060	6.5 -----	6.3 -----	6.3 -----
Silvio	6.3 -----	6.0 -----	6.3 -----
EW2969	6.4 -----	6.2 -----	6.5 -----
Pumori	6.3 -----	5.6 -	5.9 --
Neringa	6.3 -----	6.0 -----	6.4 -----
LG 31211	6.5 -----	6.2 -----	6.9 -----
-Bezugsgrösse(n)	6.5 -----	6.4 -----	6.5 -----
Versuchs-Mittel	6.3 -----	6.1 -----	6.3 -----
VK [%]	3.7	3.7	3.4
KGD (5%)	0.4	0.4	0.4
KGD (1%)	0.5	0.5	0.5
Versuchs-Streuung	0.2	0.2	0.2
FG Fehlerterm	56.0	58.0	56.0
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	2022	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	03.05.2022	16.08.2022
1567	Delley	479	27.05.2022	19.09.2022
1725	Grangeneuve (Posieux)	654	16.05.2022	05.10.2022
3065	Habstetten	690	10.05.2022	21.09.2022
5643	Alikon	494	29.04.2022	22.08.2022
8046	Reckenholz	440	16.05.2022	01.09.2022
8193	Eglisau	395	18.05.2022	29.08.2022
8566	Ellighausen	503	12.05.2022	05.09.2022

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
Severeen	LZM265/52	SC	Limagrain, Europe	Fenaco, Moudon		SM11/S
Amaroc	KXB4136	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/S
KWS Robertino	KXB6151	SC	KWS, Einbeck	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/T	SM11/S
LG 32257	LZM270/58	SC	Limagrain, Europe	Fenaco, Moudon	KM11/e2	SM11/e2
P8086	X80R603	SC	Pioneer	Pioneer, Versoix		SM11/e2
SY Solarius	SB1409	SC	Syngenta, CH	Syngenta, Stein		SM11/e2
KWS Milandro	KXC0326	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e2
KWS Chiasso	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/2.	SM11/2.
KWS Gedeo	KXC1315	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/2.
ES Traveler	ESZ9207	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz	KM11/e2	SM11/e2
Meluseen	LZM170/47	SC	Limagrain, Europe	Fenaco, Moudon		SM11/e1
	LZM271/45	TC	Limagrain, Europe	Fenaco, Moudon		SM11/e1
	KXC0018	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM11/e1
(Qualito)	KXC0313	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM11/e1
	KXC1146	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM11/e1
	KXC1147	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM11/e1
	KXC1203	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM11/e1
Fieldplayer	ESZ9103	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM11/e1
(P8436)	X85R261	SC	Pioneer	Pioneer, Versoix	KM11/e1	SM11/e1
KWS Odorico	KXB7303	TC	KWS, Einbeck	KWS Suisse SA, Basel		FS
	SA1641	SC	Syngenta, CH	Syngenta, Stein	KM11/e1	SM11/e1
	SB1651	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
	SB1681	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
	EW3414	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM11/e1
	GL187009	SC	RWA AG Wien	Fenaco, Moudon	KM11/e1	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

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

Technische Versuchsgabgaben / données techniques / technical information									
Standort / lieu / site:	Nyon (420 m ü.M.)	Deilley (500 m ü.M.)	Grangeneuve (680 m ü.M.)	Habstetten (690 m ü.M.)	Ailkon (494 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Egglisau (395 m ü.M.)	Eilighausen (603m ü.M.)	
Bodenart / type de sol / soil type:	Limono sableux	Moyen: 15-20% argile, pH 7.2	Moyen	Sandiger Lehm, pH 6.2	Schwach humoser Schlufflehm	Braunerde	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 5°C; Saat - Ernte/ semis - récolte / seeding - harvest):	Pluviométrie: 111 mm (Station: Changins) Somme degrés/jours: 1635 °C Irrigation: 235mm	309 mm (selon Agrométéo, station Delley) 1656.1 °C (selon Agrométéo, station Delley)	Pluviométrie: 64.2 mm (Agrométéo Didingen) Somme degrés/jours: 1712 °C (Météostation Posieux)	Pluviométrie: 455 mm (Météostation Zäziwil) Somme degrés-jours: 1649 °C (Météostation Zäziwil)	349.6 mm (Météostation Hohenrain) 1536 °C (Météostation Hohenrain)	238.6 mm (Météostation Recke/nholz) 1694.05 °C (Météostation Recke/nholz)	274.2 mm (Météostation Wil) 1487.1 °C (Météostation Wil)	311.8 mm (Météostation Eilighausen) 1519.2 °C (Météostation 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:	4reihig, mit 1.33m Weg (20 m2 brutto), 10m2 netto	Semé: 17 m2 per single plot (brut, avec chemin d'environ 1.1 m), 14.4 m2 net, 4 rangs Récolte: 8.5 m2 per single plot (brut, avec chemin), 7.2 m2 net, 2 rangs au milieu	4reihig, mit 1.33m Weg (20 m2 brutto), 10 m2 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	
Vorfrucht / précédent cultural / previous crop:	luzerne	Betterave	Prairie / Kunstwiese / temporary grassland	orge	Zuckerrüben / Winterbegrünung mit Weizen	Kunstwiese / prairie temporaire / temporary grassland	Winterweizen / Phacelia OHS	Winterweizen / Phacelia	
Bodenbearbeitung / travail du sol / soil cultivation:	Labour 28.04.2022 herse à disque 29.04.2022 herse rotative 02.05.2022	25.01.2022: Labour 25.05.2022: Herse rotative	13.05.2022 labour 16.05.22 herse rotative 19.05.2022 passage rouleau prismatique	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow 16.04 et 2.05		10.05.22 Pflug * Eggen, 16.05.22 Kreiselegge	16.04.22 Pflug, 17.04.22 Kultureggs, 10.05.22 2x Kreiselegge		
Saat / date de semis / sowing date:	02.05.22 (jour 123)	27.05.2022 (jour 147)	16.05.22 (jour 136)	10.05.22 (jour 130)	29.04.2022 (jour 119)	16.05.2022 (jour 136)	18.05.2022 (jour 138)	12.05.2022 (jour 132)	
Ernte / date de récolte / harvest date:	16.08.22 (jour 228)	19.05.2022 (jour 262)	05.10.22 (jour 278)	21.09.22 (jour 264)	22.08.2022 (jour 234)	01.05.2022 (jour 244)	28.05.2022 (jour 241)	05.09.2022 (jour 248)	
Saadtdichte / densité de semis / sowing density:	10.0 Körner / grains pro m²	Semis: 11.9 grains pro m2, écarté à 10 plantes/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	10.0 Körner / grains pro m²	
Vegetationsdauer / durée de végétation / growing period	105 Tage / jours / days	115 Tage / jours / days	142 Tage / jours / days	134 Tage / jours / days	116 Tage / jours / days	106 Tage / jours / days	104 Tage / jours / days	116 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:	-	-	-	-	-	14.05.22 Hacken gekoppelt mit Düngung	-	-	

Standort / lieu / site:	Nyon (420 m ü.M.)	Delley (500 m ü.M.)	Grangeneuve (680 m ü.M.)	Habsstetten (690 m ü.M.)	Allikon (494 m ü.M.)	Zürich-Attetern (440 m ü.M.)	Eggleau (995 m ü.M.)	Ellighausen (503m ü.M.)
Chemische Unkrautbekämpfung / dés herbages chimique / chemical weed control:	Gardo Gold 4 l/ha, BanvelKS 0,5 l/ha, Elumis 1,3 l/ha (25.05.2022)	01.06.2022: Stomp Aqua (2,8 L/ha) + Spectrum Gold (1,8 L/ha) 22.06.2022: Equip Power (1 L/ha) + Aspect (1,5 L/ha)	10.06.2022 Equip Power 1,5 l/ha	31.05.22 Elumis 1,2 l/ha Gardo Gold 2,4 l/ha	Winterbegrünung am 19.04.22 abgespritzt (Glyfosat 4l/ha u. Checkpoint 0,2l/ha), 14.05.22 Equip Power 1,4l/ha und Spectrum 1,4l/ha	16.05.22 Aspect 2l/ha + Laudis 2,1l/ha	27.05.22 3l/ha Spectrum Gold BASF W-5696	02.06.22 1,5l/ha AspaKt + 2l/ha Laudis
Grunddüngung / fumure de base / basic fertilisation:	compost 49 m ³ /ha 20.20.40 (10.03.2022); 99N 99 P2O5 198 K2O	24.01.2022: Landor 0.20.30 (456 kg/ha; 0 U/ha N, 0 U/ha P2O5, 137 U/ha K2O)	-	14.04.22: Kali 60 %; 200 kg/ha; Granuphos 17 %; 300 kg/ha 51 kg P/ha, 120 kg K/ha	11.4.22 Schweinegülle verdünnt 30m ³ (60N / 38P / 44K kg/ha) + 18.5.22 25m ³ (60N / 32P / 36K kg N/ha)	18.11.22 Kompost 50t, 11.05.22 Perika Kalistickstoff 4dt/ha (79,2 kg N/ha)	17.05.22 209kg/ha Landor 0.20.30 (41 kg P2O5/ha)	25.08.21 30m ³ Rindergülle 1:1 (120kg N/ha)
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacque (28.04.22): 222 kg N/ha = 60 kg N/ha; Urée perléa 46% (31.05.22): 190 kg N/ha = 87kg N/ha	15.05.2022: Sulfamid 30,0,0 (510 kg/ha; 153 U/ha N, 0 U/ha P2O5, 0 U/ha K2O, 15 U/ha Mg)	10.06.2022 150 kg/ha Nitrate sulfo-magnésien (24 N, 5 mg, 7 S); 36 kg N/ha; 23.06.2022 210 kg/ha Urée (46%) 96 kg N/ha	21.05.22: 36 kg N/ha (ammonitrate 27,5%); 06.06.22: 75 kg N/ha (Harnstoff 46%)	Düngung bei Saat 100kg/ha Ammonsalpeter 27% (27 kg N/ha); 23.05.22 Harnstoff 46% 120kg/ha (55 kg N/ha)	14.06.22 Harnstoff 130 kg/ha (59,8 kg N/ha)	17.05.22 209kg/ha Harnstoff 46% (96 kg N/ha)	19.05.22 Ammonsalpeter (40kg N/ha), 05.06.2022 Ammonsalpeter (200kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	02.05.22 160,1kg N/ha (0-60cm)	-	-	04.05.22 60,6kg N/ha(0-60cm)	-	16.05.2022 116,2kg N/ha	18.05.22 51,2kg N/ha (0-60cm)	12.05.22 173kg N/ha
Ernte / Récolte / harvest:	Baural Maishäckler / ensileuse	Ensileuse expérimentale	Baural Maishäckler / ensileuse	Baural Maishäckler / ensileuse	New Holland Versuchsmaishäckler	New Holland Versuchsmaishäckler	New Holland Versuchsmaishäckler	New Holland Versuchsmaishäckler

4.2.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
KWS Chiasso	2	6.93	-4.63	3.85	-0.21	0.20	2.37	0.13	-0.12	2.30	6.22	8.52
Meluseen	e1	7.48	-1.63	1.07	-0.02	0.20	-0.81	0.08	0.11	5.85	0.63	6.48
Benedictio KWS	T	5.86	-3.15	1.53	-0.07	0.07	-0.27	0.13	0.06	2.71	1.45	4.16
LG 31272	S	2.39	1.06	-0.55	0.06	0.07	0.23	0.08	0.17	3.45	0.06	3.51
LG 32257	e2	5.03	-3.91	2.04	0.08	0.07	0.02	0.08	0.02	1.12	2.31	3.43
KWS Milandro	e2	2.31	-1.67	2.16	-0.02	0.20	0.22	0.08	-0.22	0.64	2.42	3.06
EW3414	e1	5.08	0.02	0.92	0.06	0.33	-3.55	0.08	-0.26	5.10	-2.42	2.68
ES Traveler	e2	2.39	0.87	-1.79	-0.03	0.07	1.13	0.03	-0.05	3.26	-0.64	2.62
KXC0018	e1	3.73	-3.92	1.99	-0.07	0.20	-1.75	0.13	0.03	-0.19	0.53	0.34
Qualito	e1	-3.32	0.73	-0.55	-0.13	0.33	2.97	0.13	-0.72	-2.59	2.03	-0.56
GL187009	e1	4.15	-1.36	-3.32	-0.06	0.33	-0.50	0.13	0.05	2.79	-3.37	-0.60
LZM271/45	e1	1.02	-0.90	1.17	-0.04	-0.07	-1.76	0.13	-0.19	0.12	-0.76	-0.64
KWS Gedeo	2	3.95	-3.60	0.54	-0.10	0.20	-1.49	0.08	-0.26	0.35	-1.03	-0.68
P8086	e2	0.99	-3.84	3.11	-0.18	0.33	-2.02	0.08	-0.24	-2.85	1.08	-1.77
SA1641	e1	0.61	-2.12	-0.96	0.07	0.07	0.05	0.08	-0.06	-1.51	-0.75	-2.26
Micheleen	T	-2.00	1.62	0.78	0.07	-0.07	-3.70	0.13	-0.27	-0.38	-3.06	-3.44
Amaroc	S	-2.39	-1.06	0.55	-0.06	-0.07	-0.23	-0.08	-0.17	-3.45	-0.06	-3.51
KXC1147	e1	2.36	-5.37	0.25	-0.20	0.33	-0.57	0.08	-0.50	-3.01	-0.61	-3.62
KWS Odorico	FS	5.98	-8.99	0.05	0.01	-0.07	-0.05	-0.68	-0.06	-3.01	-0.80	-3.81
Fieldplayer	e1	-0.14	-1.78	0.26	-0.04	-0.07	-2.98	0.13	0.18	-1.92	-2.52	-4.45
KWS Robertino	S	0.17	-4.53	0.38	-0.13	0.20	-0.79	0.13	-0.36	-4.36	-0.57	-4.93
SY Solarius	e2	4.11	-3.30	0.14	-0.02	-0.07	-6.38	0.08	-0.70	0.81	-6.95	-6.14
KXC1203	e1	-4.49	-1.74	0.33	-0.15	0.20	-1.57	-0.26	0.08	-6.23	-1.37	-7.60
LG 31245	S	-1.91	-2.38	0.90	-0.03	0.33	-5.17	0.13	-0.52	-4.29	-4.36	-8.65
P8436	e1	-5.18	-7.95	-1.49	-0.28	0.33	2.44	0.13	0.13	-13.13	1.26	-11.87
Severeen	S	-5.89	-4.21	0.64	-0.03	-0.07	-2.69	0.13	0.12	-10.10	-1.90	-12.00
SB1651	e1	-3.98	-5.37	-0.08	-0.04	0.07	-1.74	0.08	-1.05	-9.35	-2.76	-12.11
SY Tellas	S	-2.79	-6.23	-1.49	-0.07	0.33	-1.75	0.08	-0.27	-9.02	-3.17	-12.19
SB1681	e1	-1.31	-2.57	-1.71	0.02	0.20	-6.89	0.13	-1.40	-3.88	-9.65	-13.53
KXC1146	e1	-7.31	-3.20	-2.13	-0.25	0.20	-2.36	0.13	0.05	-10.51	-4.36	-14.87
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anz. Beob.		23	23	23	20	3	11	9	12			
Anz. Orte		8	8	8	7	1	4	3	4			
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25			

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 %	Wurzel- lager Veg. %	Wurzel- lager Ernte %	Stängel- bruch Ernte %
SY Telias	5.0	64.3	62.5	249.9	113.3	44.9	0.0	13.2	0.2
Severeen	4.9	61.1	60.0	269.3	117.0	43.5	12.5	15.7	0.0
Amaroc	5.0	64.6	63.0	288.6	131.1	45.2	12.5	9.2	0.7
KWS Robertino	5.1	62.6	61.8	266.8	117.4	44.3	4.2	10.7	0.0
LG 31245	4.9	62.3	60.9	284.3	122.8	43.1	0.0	22.3	0.0
LG 31272	4.7	63.0	61.5	285.1	130.8	45.5	8.3	8.0	0.2
LG 32257	4.6	61.8	60.1	267.8	108.6	40.4	8.3	8.5	0.2
P8086	5.2	65.1	64.0	273.1	116.2	42.5	0.0	13.9	0.2
SY Solarius	4.9	61.8	59.7	284.1	123.3	43.3	12.5	25.6	0.2
KWS Milandro	4.9	62.6	61.5	275.8	120.3	43.5	4.2	8.0	0.2
KWS Chiasso	5.3	61.8	60.5	261.8	117.7	44.8	4.2	2.2	0.0
KWS Gedeo	5.0	62.7	61.3	273.8	115.9	42.2	4.2	12.5	0.2
ES Traveler	4.9	62.9	62.4	276.6	117.2	42.4	8.3	5.6	0.3
Meluseen	4.9	62.9	61.8	269.7	119.2	44.1	4.2	10.7	0.2
LZM271/45	4.9	63.6	61.6	276.5	119.7	43.2	12.5	13.2	0.0
KXC0018	5.0	63.1	61.1	280.9	121.2	42.8	4.2	13.2	0.0
Qualito	5.1	63.7	62.1	281.6	123.4	43.7	0.0	0.6	0.0
KXC1146	5.4	66.6	65.0	282.3	132.3	47.3	4.2	14.9	0.0
KXC1147	5.3	62.7	61.4	275.0	111.0	40.2	0.0	10.1	0.2
KXC1203	5.2	65.4	63.6	285.4	125.0	43.7	4.2	12.8	1.4
Fieldplayer	4.9	63.5	62.8	284.3	110.8	38.8	12.5	16.5	0.0
P8436	5.5	66.8	65.2	255.9	123.7	48.0	0.0	2.1	0.0
KWS Odorico	4.8	61.8	60.1	264.7	112.6	42.2	12.5	8.7	2.9
SA1641	4.7	64.0	61.9	267.7	110.8	41.2	8.3	8.4	0.2
SB1651	4.9	63.4	61.0	281.3	125.6	44.4	8.3	13.2	0.2
SB1681	4.8	63.9	61.7	281.0	131.3	46.4	4.2	26.9	0.0
EW3414	4.7	65.3	63.5	288.3	128.8	44.8	0.0	18.0	0.2
GL187009	5.0	64.1	63.3	259.3	115.0	44.2	0.0	9.9	0.0
Benedictio KWS	5.0	63.3	62.3	270.8	126.3	46.5	8.3	9.3	0.0
Micheleen	4.7	62.2	61.2	295.8	121.7	41.2	12.5	18.4	0.0
Bezugsgrösse(n)	4.8	63.8	62.3	286.8	131.0	45.3	10.4	8.6	0.4
Versuchs-Mittel	5.0	63.4	62.0	275.2	120.3	43.6	5.8	12.1	0.2
VK [%]	13.8	1.5	1.5	4.5	7.8	8.8	88.1	87.8	466.5
KGD (5%)	0.4	0.8	0.8	10.0	7.6	3.1	8.4	8.9	1.1
KGD (1%)	0.6	1.0	1.0	13.1	10.0	4.0	11.2	11.8	1.4
Versuchs-Streuung	0.7	1.0	0.9	12.4	9.4	3.8	5.1	10.6	1.2
FG Fehlerterm	367.0	224.0	224.0	226.0	230.0	230.0	58.0	201.0	172.0
Anz. Beob.	20.0	12.0	12.0	12.0	12.0	12.0	3.0	11.0	9.0
Anz. Orte	7.0	4.0	4.0	4.0	4.0	4.0	1.0	4.0	3.0
Minimum	4.6	61.1	59.7	249.9	108.6	38.8	0.0	0.6	0.0
Maximum	5.5	66.8	65.2	295.8	132.3	48.0	12.5	26.9	2.9

Sorten Bezeichnung	Beulen- brand %	Mais- zünsler %	allg. Ein- druck Note	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
SY Telias	3.8	0.6	5.7	8.7	589.8	205.3	35.6	140.6	80.1
Severeen	0.7	0.8	4.0	8.7	569.0	209.4	37.3	141.9	76.5
Amaroc	3.0	0.8	3.7	8.5	588.7	215.7	37.2	148.0	78.9
KWS Robertino	4.5	0.6	3.7	8.7	575.2	208.7	37.1	144.5	78.8
LG 31245	5.8	0.3	4.7	8.2	575.6	213.0	37.5	146.6	78.0
LG 31272	0.3	0.3	3.7	8.7	616.2	219.9	36.3	153.4	84.7
LG 32257	1.5	0.0	4.7	8.6	560.1	210.0	38.4	148.5	84.5
P8086	3.6	0.3	5.0	8.5	547.9	210.1	39.3	146.1	76.2
SY Solarius	7.3	0.0	5.7	8.7	579.4	211.2	36.9	149.0	79.9
KWS Milandro	3.4	0.0	3.3	8.8	566.3	214.4	38.5	150.4	85.8
KWS Chiasso	2.6	2.3	4.3	8.8	533.8	208.5	39.8	148.0	81.4
KWS Gedeo	3.7	1.5	3.7	9.0	576.9	210.6	37.2	147.9	78.1
ES Traveler	2.0	2.4	3.0	8.7	633.7	219.5	35.3	153.4	83.3
Meluseen	0.7	0.3	4.0	8.5	580.5	214.5	37.6	152.6	83.7
LZM271/45	3.1	1.4	4.0	8.8	581.2	216.0	37.7	150.4	81.2
KXC0018	1.4	0.5	4.0	8.7	556.4	209.9	38.4	147.8	80.5
Qualito	7.4	1.3	3.7	8.9	609.2	219.2	36.3	150.3	79.1
KXC1146	1.2	0.3	3.0	8.7	609.2	211.4	35.1	142.8	74.1
KXC1147	5.6	1.3	3.3	8.7	569.6	207.0	37.0	144.6	80.9
KXC1203	1.0	0.5	3.0	9.0	584.8	214.3	37.0	146.4	78.2
Fieldplayer	0.2	1.7	4.7	8.4	584.6	214.2	37.0	149.1	78.3
P8436	0.6	0.3	4.3	8.5	581.8	201.9	35.6	137.5	76.7
KWS Odorico	2.1	0.0	4.7	8.9	553.1	199.8	36.8	141.9	80.8
SA1641	2.1	3.4	6.0	8.7	599.7	213.5	36.0	148.9	78.2
SB1651	10.1	0.0	5.0	9.0	575.7	207.0	36.7	141.7	78.1
SB1681	12.8	0.0	4.3	8.7	606.7	212.6	35.4	146.8	79.5
EW3414	3.7	0.0	3.7	8.8	592.0	217.8	37.5	153.8	84.9
GL187009	1.2	0.3	3.0	8.7	640.7	215.1	34.1	151.5	84.2
Benedictio KWS	1.2	1.6	3.0	8.7	567.8	211.5	38.0	149.7	82.8
Micheleen	3.8	0.0	4.3	8.4	598.4	221.0	37.4	152.1	84.3
Bezugsgrösse(n)	1.6	0.6	3.7	8.6	602.5	217.8	36.8	150.7	81.8
Versuchs-Mittel	3.3	0.8	4.1	8.7	583.5	212.1	37.0	147.5	80.4
VK [%]	97.8	242.8	21.4	6.0	6.5	7.2	3.9	8.6	12.3
KGD (5%)	2.6		1.4	0.3	22.1	8.8	0.8	7.4	5.7
KGD (1%)	3.5		1.9	0.4	29.1	11.6	1.1	9.7	7.5
Versuchs-Streuung	3.3	1.8	0.9	0.5	38.1	15.2	1.5	12.7	9.9
FG Fehlerterm	224.0	112.0	56.0	427.0	422.0	420.0	423.0	424.0	424.0
Anz. Beob.	12.0	6.0	3.0	23.0	23.0	23.0	23.0	23.0	23.0
Anz. Orte	4.0	2.0	1.0	8.0	8.0	8.0	8.0	8.0	8.0
Minimum	0.2	0.0	3.0	8.2	533.8	199.8	34.1	137.5	74.1
Maximum	12.8	3.4	6.0	9.0	640.7	221.0	39.8	153.8	85.8

Sorten Bezeichnung	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/ kg TS	NEV Gehalt MJ/ kg TS
SY Telias	686.6	387.6	176.3	402.3	77.4	6.2	6.3
Severeen	678.9	362.6	183.2	430.0	77.4	6.1	6.2
Amaroc	687.6	363.0	183.2	424.4	73.9	6.2	6.3
KWS Robertino	694.0	375.6	174.4	404.2	78.1	6.3	6.4
LG 31245	688.8	360.9	184.1	420.5	75.7	6.2	6.4
LG 31272	699.6	382.2	176.3	409.9	72.3	6.3	6.5
LG 32257	706.2	397.5	170.4	400.3	76.1	6.4	6.6
P8086	696.1	358.4	182.5	421.0	76.3	6.3	6.5
SY Solarius	703.9	372.7	180.0	415.0	74.5	6.4	6.6
KWS Milandro	699.4	393.7	171.7	399.2	73.8	6.3	6.5
KWS Chiasso	710.9	389.3	166.6	395.6	75.0	6.5	6.7
KWS Gedeo	703.5	368.7	174.9	397.4	75.3	6.4	6.6
ES Traveler	699.6	374.9	180.9	403.1	77.1	6.4	6.5
Meluseen	712.3	387.2	175.5	407.8	71.4	6.5	6.7
LZM271/45	696.2	372.7	179.0	414.6	78.1	6.3	6.5
KXC0018	702.9	377.7	175.8	399.8	75.0	6.4	6.6
Qualito	685.3	355.4	185.6	421.2	73.7	6.2	6.3
KXC1146	675.3	341.0	196.3	430.2	76.8	6.1	6.2
KXC1147	699.5	390.6	171.9	392.6	77.3	6.4	6.5
KXC1203	682.4	359.1	185.5	416.9	76.0	6.2	6.3
Fieldplayer	693.3	359.2	179.4	397.8	79.9	6.3	6.4
P8436	680.7	375.7	186.0	424.8	73.1	6.1	6.3
KWS Odorico	708.6	398.2	164.2	380.8	78.4	6.4	6.6
SA1641	695.1	358.6	184.8	421.1	77.0	6.3	6.5
SB1651	683.7	372.5	185.7	437.8	72.8	6.2	6.3
SB1681	690.3	369.1	185.4	424.9	76.1	6.2	6.4
EW3414	706.3	385.9	180.3	415.3	70.7	6.4	6.6
GL187009	704.0	383.7	170.1	390.1	77.7	6.4	6.6
Benedictio KWS	708.3	390.3	168.4	393.0	74.6	6.4	6.6
Micheleen	688.6	379.1	181.1	417.1	76.1	6.2	6.4
Bezugsgrösse(n)	693.6	372.6	179.7	417.1	73.1	6.3	6.4
Versuchs-Mittel	695.6	374.8	178.6	410.3	75.6	6.3	6.5
VK [%]	2.7	7.4	6.9	5.7	3.6	3.3	4.2
KGD (5%)	11.0	16.2	7.1	13.5	1.6	0.1	0.2
KGD (1%)	14.5	21.3	9.4	17.8	2.1	0.2	0.2
Versuchs-Streuung	19.0	27.9	12.3	23.3	2.8	0.2	0.3
FG Fehlerterm	425.0	427.0	423.0	425.0	423.0	425.0	425.0
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	675.3	341.0	164.2	380.8	70.7	6.1	6.2
Maximum	712.3	398.2	196.3	437.8	79.9	6.5	6.7

4.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
SY Telias	5.0 ----	5.3 ----	5.3 ---	5.0 --	6.3 -----
Severeen	4.9 ----	5.7 -----	6.0 -----	5.7 -----	3.7 -
Amaroc	5.0 -----	5.7 -----	6.0 -----	6.0 -----	5.0 ----
KWS Robertino	5.1 -----	5.3 ----	5.0 -	5.0 --	5.0 ----
LG 31245	4.9 ----	5.3 ----	5.7 -----	5.0 --	4.3 ---
LG 31272	4.7 -	5.7 -----	6.0 -----	6.0 -----	4.0 --
LG 32257	4.6 -	5.7 -----	5.7 -----	5.3 ---	4.3 ---
P8086	5.2 -----	4.3 -	5.3 ---	4.7 -	6.7 -----
SY Solarius	4.9 ---	6.3 -----	6.3 -----	6.0 -----	3.3 -
KWS Milandro	4.9 ---	5.3 ----	5.0 -	5.0 --	4.3 ---
KWS Chiasso	5.3 -----	6.0 -----	5.0 -	6.0 -----	4.3 ---
KWS Gedeo	5.0 ----	5.0 ---	5.0 -	5.0 --	5.3 ----
ES Traveler	4.9 ----	5.7 ----	5.7 ----	5.3 ---	4.0 --
Meluseen	4.9 ---	6.0 -----	5.7 ----	5.7 -----	4.3 ---
LZM271/45	4.9 ----	6.0 -----	5.7 ----	5.7 -----	4.0 --
KXC0018	5.0 ----	6.0 -----	5.7 ----	5.3 ---	4.0 --
Qualito	5.1 -----	5.7 ----	5.7 ----	5.3 ---	5.7 -----
KXC1146	5.4 -----	5.0 ---	5.0 -	5.3 ---	7.7 -----
KXC1147	5.3 -----	5.3 ----	6.0 -----	5.3 ---	5.7 -----
KXC1203	5.2 -----	6.3 -----	5.7 ----	5.0 --	4.3 ---
Fieldplayer	4.9 ----	6.3 -----	5.7 ----	5.7 -----	3.3 -
P8436	5.5 -----	4.3 -	5.0 -	5.0 --	7.7 -----
KWS Odorico	4.8 ---	6.3 -----	5.3 ---	5.3 ---	4.7 ----
SA1641	4.7 -	6.7 -----	5.3 ---	6.0 -----	3.3 -
SB1651	4.9 ----	6.7 -----	6.0 -----	6.7 -----	4.7 ----
SB1681	4.8 --	5.7 ----	5.7 ----	5.3 ---	3.7 -
EW3414	4.7 -	5.0 ---	6.0 -----	5.3 ---	4.7 ----
GL187009	5.0 ----	5.7 ----	5.3 ---	5.0 --	6.3 -----
Benedictio KWS	5.0 ----	5.3 ----	5.0 -	5.0 --	5.0 ----
Micheleen	4.7 -	5.7 ----	6.0 -----	5.3 ---	3.3 -
-Bezugsgrösse(n)	4.8 ---	5.7 -----	6.0 -----	6.0 -----	4.5 ---
Versuchs-Mittel	5.0 ----	5.6 -----	5.6 ----	5.4 ---	4.8 ----
VK [%]	13.8	6.6	6.8	7.2	23.7
KGD (5%)	0.4	0.6	0.6	0.6	1.8
KGD (1%)	0.6	0.8	0.8	0.9	2.5
Versuchs-Streuung	0.7	0.4	0.4	0.4	1.1
FG Fehlerterm	367.0	56.0	58.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	27.4	29	2.01 **	1.50	0.0019
Anbauorte	158.1	6	55.87 ***	2.13	0.0000
WW Verf.*Anb.Orte	262.4	174	3.20 ***	1.23	0.0000
Fehler	173.1	367			
Insgesamt	621.0	576			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046		8193		8566	
	Reckenholz ZH		Eglisau ZH		Ellighausen TG	
SY Telias	4.7	-----	4.0	---	4.3	----
Severeen	4.0	----	4.0	---	5.3	-----
Amaroc	3.7	----	3.5	-	5.0	-----
KWS Robertino	5.0	-----	4.5	-----	6.0	-----
LG 31245	4.7	-----	5.0	-----	4.3	----
LG 31272	4.0	-----	3.5	-	3.7	--
LG 32257	4.0	----	3.5	-	4.0	---
P8086	5.7	-----	5.0	-----	5.0	-----
SY Solarius	2.7	-	4.5	-----	5.0	-----
KWS Milandro	4.7	-----	5.5	-----	4.3	----
KWS Chiasso	4.7	-----	5.5	-----	5.7	-----
KWS Gedeo	5.0	-----	5.0	-----	5.0	-----
ES Traveler	4.7	-----	5.0	-----	4.0	---
Meluseen	3.7	---	4.5	-----	4.3	----
LZM271/45	4.3	-----	4.5	-----	4.3	----
KXC0018	4.3	-----	5.0	-----	4.7	-----
Qualito	4.7	-----	4.5	-----	4.3	----
KXC1146	4.7	-----	5.5	-----	4.7	----
KXC1147	4.0	----	5.0	-----	5.7	-----
KXC1203	4.0	----	5.5	-----	5.3	-----
Fieldplayer	4.3	-----	4.5	-----	4.7	-----
P8436	5.3	-----	5.0	-----	6.0	-----
KWS Odorico	3.7	---	4.0	---	4.3	----
SA1641	3.3	--	4.0	---	4.0	---
SB1651	3.0	--	3.5	-	4.0	---
SB1681	4.0	----	4.5	-----	4.7	-----
EW3414	4.3	-----	3.5	-	4.0	---
GL187009	4.7	-----	4.5	-----	3.3	-
Benedictio KWS	4.3	-----	4.0	---	6.3	-----
Micheleen	4.0	----	4.0	---	4.3	----
-Bezugsgrösse(n)	3.8	----	3.5	-	4.3	----
Versuchs-Mittel	4.3	-----	4.5	-----	4.7	-----
VK [%]	11.6		19.9		18.1	
KGD (5%)	0.8		ns		1.4	
KGD (1%)	1.1		ns		1.8	
Versuchs-Streuung	0.5		0.9		0.8	
FG Fehlerterm	56.0		29.0		56.0	
Anz. Beob.	3.0		2.0		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	64.3 -----	61.7 ---	65.7 -----	68.3 -----	61.7 -----
Severeen	61.1 -	59.7 -	60.3 -	65.3 -	59.0 --
Amaroc	64.6 -----	62.0 ----	65.0 -----	68.3 -----	63.0 -----
KWS Robertino	62.6 ---	61.3 ---	63.0 ----	66.0 ---	60.0 ---
LG 31245	62.3 ---	60.0 -	62.3 ----	66.7 ----	60.0 ---
LG 31272	63.0 ----	60.7 --	64.3 -----	66.3 ---	60.7 ----
LG 32257	61.8 --	61.0 ---	61.7 ---	66.0 ---	58.3 -
P8086	65.1 -----	63.0 -----	65.7 -----	68.3 -----	63.3 -----
SY Solarius	61.8 --	60.3 --	61.0 --	66.3 ---	59.7 ---
KWS Milandro	62.6 ---	61.7 ----	62.3 ----	66.3 ---	60.0 ---
KWS Chiasso	61.8 --	60.3 --	62.3 ----	65.3 -	59.0 --
KWS Gedeo	62.7 ---	62.0 ----	63.7 ----	65.0 -	60.0 ---
ES Traveler	62.9 ----	61.3 ---	64.3 -----	66.0 ---	60.0 ---
Meluseen	62.9 ----	61.0 ---	63.0 ----	66.7 ----	61.0 ----
LZM271/45	63.6 ----	61.7 ----	64.0 ----	66.7 ----	62.0 ----
KXC0018	63.1 ----	60.7 --	64.0 ----	67.0 ----	60.7 ----
Qualito	63.7 ----	61.7 ----	62.7 ----	67.0 ----	63.3 -----
KXC1146	66.6 -----	65.3 -----	66.7 -----	69.3 -----	65.0 -----
KXC1147	62.7 ---	61.0 ---	62.7 ----	66.3 ---	60.7 ----
KXC1203	65.4 -----	63.0 -----	65.0 -----	69.3 -----	64.3 -----
Fieldplayer	63.5 ----	61.0 ---	64.0 ----	68.3 ----	60.7 ----
P8436	66.8 -----	66.3 -----	66.7 -----	70.0 -----	64.3 -----
KWS Odorico	61.8 --	59.7 -	62.0 ---	65.0 -	60.7 ----
SA1641	64.0 ----	61.7 ----	65.0 ----	66.7 ---	62.7 ----
SB1651	63.4 ----	61.7 ----	63.7 ----	66.7 ----	61.7 ----
SB1681	63.9 ----	61.0 ---	64.3 ----	67.7 ----	62.7 ----
EW3414	65.3 -----	65.0 -----	65.7 -----	67.3 ----	63.0 -----
GL187009	64.1 ----	63.0 ----	63.3 ----	69.3 -----	60.7 ----
Benedictio KWS	63.3 ----	61.3 ---	64.3 ----	66.7 ---	60.7 ----
Micheleen	62.2 --	60.0 -	63.3 ----	65.3 -	60.0 ---
-Bezugsgrösse(n)	63.8 ----	61.3 ---	64.7 -----	67.3 ----	61.8 -----
Versuchs-Mittel	63.4 ----	61.7 ----	63.7 ----	67.0 ----	61.3 ----
VK [%]	1.5	1.3	1.5	1.4	1.8
KGD (5%)	0.8	1.3	1.6	1.6	1.8
KGD (1%)	1.0	1.7	2.1	2.1	2.4
Versuchs-Streuung	1.0	0.8	1.0	0.9	1.1
FG Fehlerterm	224.0	56.0	56.0	56.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	689.2	29	26.07 ***	1.52	0.0000
Anbauorte	1840.6	3	672.87 ***	2.65	0.0000
WW Verf.*Anb.Orte	165.2	87	2.08 ***	1.33	0.0005
Fehler	204.2	224			
Insgesamt	2899.2	343			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	62.5 -----	60.0 ----	62.3 -----	66.0 -----	61.7 -----
Severeen	60.0 -	58.0 -	58.3 -	63.3 -	60.3 -----
Amaroc	63.0 -----	60.0 ----	63.0 -----	66.3 -----	62.7 -----
KWS Robertino	61.8 ---	60.3 ---	61.0 ----	64.7 ---	61.0 -----
LG 31245	60.9 ---	59.0 --	60.3 ----	64.7 ---	59.7 ----
LG 31272	61.5 ----	59.0 --	62.3 -----	64.3 ---	60.3 -----
LG 32257	60.1 -	59.7 ---	59.7 ---	64.0 ---	57.0 -
P8086	64.0 -----	61.7 -----	63.7 -----	66.3 -----	64.3 -----
SY Solarius	59.7 -	58.0 -	59.0 --	64.3 ---	57.3 -
KWS Milandro	61.5 ----	60.0 ----	60.3 ----	64.3 ---	61.3 -----
KWS Chiasso	60.5 --	58.3 -	60.3 ----	63.3 -	60.0 ----
KWS Gedeo	61.3 ---	59.3 ---	61.7 -----	63.0 -	61.0 -----
ES Traveler	62.4 -----	60.3 ----	62.3 -----	64.3 ---	62.7 -----
Meluseen	61.8 -----	60.0 ----	61.0 ----	64.7 ---	61.7 -----
LZM271/45	61.6 ----	60.0 ----	61.7 -----	64.7 ---	60.0 ----
KXC0018	61.1 ---	59.0 --	61.7 -----	64.3 ---	59.3 ----
Qualito	62.1 ----	60.0 ----	60.7 ----	65.0 ----	62.7 -----
KXC1146	65.0 -----	63.0 -----	64.7 -----	67.3 -----	65.0 -----
KXC1147	61.4 ----	59.7 ---	60.7 ----	64.3 ---	61.0 -----
KXC1203	63.6 -----	61.0 -----	63.0 -----	67.3 -----	63.0 -----
Fieldplayer	62.8 -----	60.0 ----	62.0 -----	66.3 -----	63.0 -----
P8436	65.2 -----	64.0 -----	64.7 -----	68.0 -----	64.0 -----
KWS Odorico	60.1 -	58.3 -	60.0 ---	63.0 -	59.0 ---
SA1641	61.9 ----	60.0 ----	63.0 -----	64.7 ---	60.0 ----
SB1651	61.0 ---	59.0 --	61.3 ----	64.7 ---	59.0 ---
SB1681	61.7 ----	59.7 ---	62.0 -----	65.3 -----	59.7 ----
EW3414	63.5 -----	62.3 -----	63.7 -----	65.3 -----	62.7 -----
GL187009	63.3 -----	62.0 -----	61.3 ----	67.0 -----	63.0 -----
Benedictio KWS	62.3 ----	60.3 ----	62.3 -----	64.7 ---	61.7 -----
Micheleen	61.2 ---	59.3 ---	61.3 ----	63.3 -	60.7 ----
-Bezugsgrösse(n)	62.3 ----	59.5 ---	62.7 -----	65.3 ----	61.5 -----
Versuchs-Mittel	62.0 ----	60.0 ----	61.6 -----	65.0 ----	61.2 -----
VK [%]	1.5	1.3	1.8	1.4	1.4
KGD (5%)	0.8	1.3	1.8	1.5	1.4
KGD (1%)	1.0	1.7	2.4	2.0	1.9
Versuchs-Streuung	0.9	0.8	1.1	0.9	0.9
FG Fehlerterm	224.0	56.0	56.0	56.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	674.6	29	26.75 ***	1.52	0.0000
Anbauorte	1211.0	3	464.19 ***	2.65	0.0000
WW Verf.*Anb.Orte	174.6	87	2.31 ***	1.33	0.0003
Fehler	194.8	224			
Insgesamt	2255.0	343			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	249.9 -	223.3 -	246.7 -	251.7 -	278.0 -
Severeen	269.3 ----	236.7 ----	275.0 -----	285.0 -----	280.3 -
Amaroc	288.6 -----	256.7 -----	283.3 -----	296.7 -----	317.7 -----
KWS Robertino	266.8 ---	236.7 ---	271.7 ----	275.0 ----	284.0 --
LG 31245	284.3 -----	253.3 -----	283.3 -----	283.3 -----	317.0 -----
LG 31272	285.1 -----	250.0 -----	275.0 -----	291.7 -----	323.7 -----
LG 32257	267.8 ---	240.0 ---	275.0 -----	273.3 ----	282.7 -
P8086	273.1 ----	246.7 -----	261.7 ---	283.3 -----	300.7 ----
SY Solarius	284.1 -----	256.7 -----	280.0 -----	286.7 -----	313.0 -----
KWS Milandro	275.8 -----	251.7 -----	278.3 -----	271.7 ----	301.7 ----
KWS Chiasso	261.8 ---	223.3 -	256.7 ---	271.7 ----	295.3 ----
KWS Gedeo	273.8 ----	246.7 -----	275.0 -----	270.0 ----	303.3 ----
ES Traveler	276.6 ----	246.7 -----	268.3 ----	280.0 -----	311.3 ----
Meluseen	269.7 ---	245.0 ----	268.3 ----	263.3 ---	302.0 ----
LZM271/45	276.5 -----	253.3 -----	280.0 -----	280.0 -----	292.7 ---
KXC0018	280.9 -----	253.3 -----	273.3 ----	278.3 ----	318.7 -----
Qualito	281.6 -----	256.7 -----	283.3 -----	295.0 -----	291.3 ---
KXC1146	282.3 -----	258.3 -----	290.0 -----	295.0 -----	285.7 --
KXC1147	275.0 ----	236.7 ---	273.3 ----	283.3 ----	306.7 ----
KXC1203	285.4 -----	246.7 -----	283.3 -----	285.0 -----	326.7 -----
Fieldplayer	284.3 -----	245.0 ----	275.0 -----	293.3 -----	323.7 -----
P8436	255.9 --	220.0 -	260.0 ---	260.0 --	283.7 --
KWS Odorico	264.7 ---	231.7 ---	268.3 ----	270.0 ----	288.7 ---
SA1641	267.7 ---	245.0 ----	265.0 ----	273.3 ----	287.3 --
SB1651	281.3 -----	256.7 -----	278.3 -----	285.0 -----	305.3 -----
SB1681	281.0 -----	253.3 -----	278.3 -----	288.3 -----	304.0 ----
EW3414	288.3 -----	260.0 -----	281.7 -----	280.0 -----	331.7 -----
GL187009	259.3 ---	221.7 -	253.3 --	265.0 ----	297.0 ----
Benedictio KWS	270.8 ----	240.0 ----	265.0 ----	273.3 ----	304.7 ----
Micheleen	295.8 -----	265.0 -----	293.3 -----	295.0 -----	329.7 -----
-Bezugsgrösse(n)	286.8 -----	253.3 -----	279.2 -----	294.2 -----	320.7 -----
Versuchs-Mittel	275.2 ----	245.2 ----	273.3 ----	279.4 ----	302.9 ----
VK [%]	4.5	3.2	3.4	2.7	6.7
KGD (5%)	10.0	12.9	15.3	12.1	33.2
KGD (1%)	13.1	17.2	20.4	16.1	ns
Versuchs-Streuung	12.4	7.9	9.4	7.4	20.3
FG Fehlerterm	226.0	56.0	56.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	38989.1	29	8.76 ***	1.52	0.0000
Anbauorte	152037.0	3	330.07 ***	2.65	0.0000
WW Verf.*Anb.Orte	16085.6	87	1.20 ns	1.33	
Fehler	34700.4	226			
Insgesamt	241812.1	345			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	113.3 ---	83.3 --	120.0 ----	110.0 --	139.7 ----
Severeen	117.0 ----	83.3 --	126.7 -----	126.7 -----	131.3 --
Amaroc	131.1 -----	101.7 -----	131.7 -----	133.3 -----	157.7 -----
KWS Robertino	117.4 ---	91.7 ---	126.7 -----	123.3 -----	128.0 -
LG 31245	122.8 -----	98.3 -----	130.0 -----	126.7 -----	136.0 ---
LG 31272	130.8 -----	93.3 -----	128.3 -----	140.0 -----	161.7 -----
LG 32257	108.6 -	85.0 ---	111.7 -	110.0 --	127.7 -
P8086	116.2 ---	96.7 -----	115.0 --	116.7 ---	136.3 ---
SY Solarius	123.3 -----	105.0 -----	123.3 -----	115.0 ---	150.0 -----
KWS Milandro	120.3 -----	95.0 -----	120.0 ---	121.7 -----	144.3 -----
KWS Chiasso	117.7 ---	90.0 ---	125.0 -----	125.0 -----	130.7 --
KWS Gedeo	115.9 ---	95.0 -----	118.3 ---	111.7 ---	138.7 ---
ES Traveler	117.2 ---	95.0 -----	121.7 -----	121.7 -----	130.3 --
Meluseen	119.2 ---	103.3 -----	120.0 ---	110.0 --	143.3 ---
LZM271/45	119.7 ---	96.7 -----	126.7 -----	120.0 -----	135.3 ---
KXC0018	121.2 -----	86.7 ---	125.0 -----	123.3 -----	149.7 -----
Qualito	123.4 -----	98.3 -----	118.3 ---	121.7 -----	155.3 -----
KXC1146	132.3 -----	118.3 -----	130.0 -----	126.7 -----	154.0 -----
KXC1147	111.0 --	85.0 ---	116.7 ---	113.3 ---	129.0 --
KXC1203	125.0 -----	100.0 -----	133.3 -----	125.0 -----	141.7 -----
Fieldplayer	110.8 --	80.0 -	116.7 ---	121.7 -----	125.0 -
P8436	123.7 -----	95.0 -----	131.7 -----	121.7 -----	146.3 -----
KWS Odorico	112.6 --	76.7 -	123.3 -----	113.3 ---	137.0 ---
SA1641	110.8 --	90.0 ---	111.7 -	105.0 -	136.3 ---
SB1651	125.6 -----	96.7 -----	135.0 -----	116.7 ---	154.0 -----
SB1681	131.3 -----	96.7 -----	135.0 -----	130.0 -----	163.7 -----
EW3414	128.8 -----	113.3 -----	133.3 -----	123.3 -----	145.3 -----
GL187009	115.0 ---	88.3 ---	125.0 -----	115.0 ---	131.7 --
Benedictio KWS	126.3 -----	103.3 -----	128.3 -----	125.0 -----	148.7 -----
Micheleen	121.7 -----	105.0 -----	125.0 -----	128.3 -----	128.3 -
-Bezugsgrösse(n)	131.0 -----	97.5 -----	130.0 -----	136.7 -----	159.7 -----
Versuchs-Mittel	120.3 -----	94.9 -----	124.4 -----	120.7 -----	141.2 -----
VK [%]	7.8	12.1	6.3	7.5	6.3
KGD (5%)	7.6	18.8	12.9	14.7	14.5
KGD (1%)	10.0	ns	17.1	19.6	19.3
Versuchs-Streuung	9.4	11.5	7.9	9.0	8.9
FG Fehlerterm	230.0	58.0	58.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	15668.6	29	6.10 ***	1.52	0.0000
Anbauorte	99115.4	3	373.12 ***	2.64	0.0000
WW Verf.*Anb.Orte	11396.0	87	1.48 ns	1.33	
Fehler	20365.9	230			
Insgesamt	146545.9	349			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	44.9 -----	37.1 ---	48.6 -----	43.7 -----	50.2 -----
Severeen	43.5 -----	35.1 --	46.1 -----	44.4 -----	48.3 -----
Amaroc	45.2 -----	39.6 -----	46.5 -----	44.9 -----	49.6 -----
KWS Robertino	44.3 -----	38.7 ----	46.6 -----	44.9 -----	46.9 ----
LG 31245	43.1 ----	38.8 ----	45.9 ----	44.7 -----	42.9 ---
LG 31272	45.5 -----	37.1 ---	46.8 -----	48.0 -----	50.0 -----
LG 32257	40.4 --	35.2 ---	40.6 -	40.3 ---	45.4 ----
P8086	42.5 ----	39.2 -----	44.1 ----	41.2 ---	45.5 ----
SY Solarius	43.3 ----	40.9 -----	44.0 ----	40.1 --	47.9 ----
KWS Milandro	43.5 -----	37.9 ----	43.2 ---	44.8 -----	48.1 -----
KWS Chiasso	44.8 -----	40.3 -----	48.7 -----	46.0 -----	44.3 ----
KWS Gedeo	42.2 ---	38.6 ----	43.2 ---	41.4 ---	45.7 ----
ES Traveler	42.4 ---	38.7 ----	45.3 ----	43.6 -----	41.9 --
Meluseen	44.1 -----	42.2 -----	44.8 ----	41.8 ---	47.5 ----
LZM271/45	43.2 ----	38.2 ----	45.2 ----	42.9 ----	46.4 ----
KXC0018	42.8 ----	34.3 --	45.7 ----	44.4 -----	47.0 ----
Qualito	43.7 ----	38.2 ----	41.8 --	41.3 ---	53.4 -----
KXC1146	47.3 -----	45.7 -----	44.8 ----	42.9 ----	55.9 -----
KXC1147	40.2 --	36.0 ---	42.7 ---	40.1 --	42.1 ---
KXC1203	43.7 ----	40.5 -----	47.1 -----	43.9 -----	43.4 ---
Fieldplayer	38.8 -	32.6 -	42.5 --	41.4 ----	38.7 -
P8436	48.0 -----	43.1 -----	50.7 -----	46.7 -----	51.6 -----
KWS Odorico	42.2 ---	33.2 -	46.0 ----	42.0 ---	47.5 ----
SA1641	41.2 ---	36.7 ----	42.1 --	38.4 -	47.6 ----
SB1651	44.4 -----	37.6 ----	48.6 -----	40.9 ---	50.5 -----
SB1681	46.4 -----	38.0 ----	48.6 -----	45.1 -----	53.9 -----
EW3414	44.8 -----	43.7 -----	47.3 -----	44.0 ----	43.9 ----
GL187009	44.2 -----	39.8 ----	49.3 -----	43.4 ----	44.4 ----
Benedictio KWS	46.5 -----	43.1 -----	48.5 -----	45.7 -----	48.8 ----
Micheleen	41.2 ---	39.6 ----	42.6 ---	43.5 ----	39.0 -
-Bezugsgrösse(n)	45.3 -----	38.4 ----	46.7 -----	46.5 -----	49.8 -----
Versuchs-Mittel	43.6 ----	38.7 ----	45.6 ----	43.2 ----	46.9 ----
VK [%]	8.8	11.3	6.2	7.3	9.9
KGD (5%)	3.1	ns	4.6	ns	7.6
KGD (1%)	4.0	ns	6.2	ns	10.1
Versuchs-Streuung	3.8	4.4	2.8	3.2	4.6
FG Fehlerterm	230.0	58.0	58.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1521.2	29	3.60 ***	1.52	0.0001
Anbauorte	3576.4	3	81.89 ***	2.64	0.0000
WW Verf.*Anb.Orte	1727.7	87	1.36 ns	1.33	
Fehler	3348.2	230			
Insgesamt	10173.4	349			

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

Verfahren	Seriemittel		3065 Habstetten	
SY Telias	0.0	-	0.0	-
Severeen	12.5	-----	12.5	-----
Amaroc	12.5	-----	12.5	-----
KWS Robertino	4.2	----	4.2	----
LG 31245	0.0	-	0.0	-
LG 31272	8.3	-----	8.3	-----
LG 32257	8.3	-----	8.3	-----
P8086	0.0	-	0.0	-
SY Solarius	12.5	-----	12.5	-----
KWS Milandro	4.2	----	4.2	----
KWS Chiasso	4.2	----	4.2	----
KWS Gedeo	4.2	----	4.2	----
ES Traveler	8.3	-----	8.3	-----
Meluseen	4.2	----	4.2	----
LZM271/45	12.5	-----	12.5	-----
KXC0018	4.2	----	4.2	----
Qualito	0.0	-	0.0	-
KXC1146	4.2	----	4.2	----
KXC1147	0.0	-	0.0	-
KXC1203	4.2	----	4.2	----
Fieldplayer	12.5	-----	12.5	-----
P8436	0.0	-	0.0	-
KWS Odorico	12.5	-----	12.5	-----
SA1641	8.3	-----	8.3	-----
SB1651	8.3	-----	8.3	-----
SB1681	4.2	----	4.2	----
EW3414	0.0	-	0.0	-
GL187009	0.0	-	0.0	-
Benedictio KWS	8.3	-----	8.3	-----
Micheleen	12.5	-----	12.5	-----
-Bezugsgrösse(n)	10.4	-----	10.4	-----
Versuchs-Mittel	5.8	----	5.8	----
VK [%]	88.1		88.1	
KGD (5%)	8.4		8.4	
KGD (1%)	11.2		11.2	
Versuchs-Streuung	5.1		5.1	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1567 Delley FR	5643 Alikon AG	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	13.2 ----	4.2 --	17.3 ----	29.3 ----	2.1 --
Severeen	15.7 -----	4.2 --	20.8 -----	37.5 -----	0.5 -
Amaroc	9.2 ----	0.0 -	2.2 -	17.2 ---	17.3 -----
KWS Robertino	10.7 ---	0.0 -	11.2 ---	22.8 ---	8.7 ----
LG 31245	22.3 -----	16.7 -----	21.7 -----	49.4 -----	1.6 -
LG 31272	8.0 ---	4.2 --	4.8 --	19.0 ---	3.9 --
LG 32257	8.5 ----	8.3 ---	1.1 -	22.0 ---	2.6 --
P8086	13.9 -----	4.2 --	36.5 -----	8.5 -	6.7 ----
SY Solarius	25.6 -----	12.5 -----	5.9 --	67.2 -----	16.7 -----
KWS Milandro	8.0 ---	0.0 -	7.8 --	18.9 ---	5.1 ---
KWS Chiasso	2.2 -	0.0 -	2.2 -	3.6 -	3.2 --
KWS Gedeco	12.5 -----	0.0 -	21.3 -----	22.7 ---	6.1 ----
ES Traveler	5.6 --	0.0 -	3.0 -	13.9 --	5.2 ---
Meluseen	10.7 ---	4.2 --	1.6 -	29.1 ---	8.1 ----
LZM271/45	13.2 -----	4.2 --	8.4 --	37.8 -----	2.6 --
KXC0018	13.2 -----	0.0 -	3.3 -	41.4 -----	8.2 ----
Qualito	0.6 -	0.0 -	0.0 -	2.5 -	0.0 -
KXC1146	14.9 -----	0.0 -	45.7 -----	8.1 -	5.6 ---
KXC1147	10.1 ----	0.0 -	8.3 --	11.3 --	20.8 -----
KXC1203	12.8 -----	0.0 -	2.7 -	48.3 -----	0.0 -
Fieldplayer	16.5 -----	0.0 -	9.8 ---	48.8 -----	7.5 ----
P8436	2.1 -	0.0 -	5.1 --	3.1 -	0.0 -
KWS Odorico	8.7 ----	4.2 --	4.0 -	17.0 ---	9.6 ----
SA1641	8.4 ----	0.0 -	8.2 --	17.2 ---	8.3 ----
SB1651	13.2 -----	0.0 -	6.0 --	29.6 ---	17.2 -----
SB1681	26.9 -----	4.2 --	28.7 -----	72.3 -----	2.6 --
EW3414	18.0 -----	20.8 -----	1.1 -	48.7 -----	1.5 -
GL187009	9.9 ----	0.0 -	12.2 ---	18.9 ---	8.5 ----
Benedictio KWS	9.3 ----	0.0 -	16.1 ----	17.2 ---	3.8 --
Micheleen	18.4 -----	29.2 -----	15.2 ----	25.2 ----	4.2 ---
-Bezugsgrösse(n)	8.6 ----	2.1 -	3.5 -	18.1 ---	10.6 -----
Versuchs-Mittel	12.1 -----	4.0 --	11.1 ---	27.0 ----	6.3 ----
VK [%]	87.8	184.0	108.1	53.5	152.0
KGD (5%)	8.9	12.1	19.6	29.5	ns
KGD (1%)	11.8	16.1	26.0	39.8	ns
Versuchs-Streuung	10.6	7.4	12.0	14.4	9.5
FG Fehlerterm	201.0	58.0	58.0	29.0	56.0
Anz. Beob.	11.0	3.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12160.3	29	3.73 ***	1.52	0.0001
Anbauorte	26467.5	3	78.47 ***	2.65	0.0000
WW Verf.*Anb.Orte	30045.6	87	3.07 ***	1.34	0.0001
Fehler	22597.7	201			
Insgesamt	91271.0	320			

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

Verfahren	Seriemittel	1567 Delley FR	5643 Alikon AG	8566 Ellighausen TG
SY Telias	0.2 -	0.0 -	0.0 -	0.5 ---
Severeen	0.0 -	0.0 -	0.0 -	0.0 -
Amaroc	0.7 ---	0.0 -	0.0 -	2.2 -----
KWS Robertino	0.0 -	0.0 -	0.0 -	0.0 -
LG 31245	0.0 -	0.0 -	0.0 -	0.0 -
LG 31272	0.2 -	0.0 -	0.0 -	0.5 ---
LG 32257	0.2 -	0.0 -	0.5 ----	0.0 -
P8086	0.2 -	0.0 -	0.0 -	0.5 ---
SY Solarius	0.2 -	0.0 -	0.0 -	0.5 ---
KWS Milandro	0.2 -	0.0 -	0.0 -	0.5 ---
KWS Chiasso	0.0 -	0.0 -	0.0 -	0.0 -
KWS Gedeo	0.2 -	0.0 -	0.0 -	0.5 --
ES Traveler	0.3 --	0.0 -	0.0 -	1.0 ----
Meluseen	0.2 -	0.0 -	0.5 ----	0.0 -
LZM271/45	0.0 -	0.0 -	0.0 -	0.0 -
KXC0018	0.0 -	0.0 -	0.0 -	0.0 -
Qualito	0.0 -	0.0 -	0.0 -	0.0 -
KXC1146	0.0 -	0.0 -	0.0 -	0.0 -
KXC1147	0.2 -	0.0 -	0.0 -	0.5 ---
KXC1203	1.4 ----	4.2 -----	0.0 -	0.0 -
Fieldplayer	0.0 -	0.0 -	0.0 -	0.0 -
P8436	0.0 -	0.0 -	0.0 -	0.0 -
KWS Odorico	2.9 -----	4.2 -----	1.7 -----	2.7 -----
SA1641	0.2 -	0.0 -	0.0 -	0.5 ---
SB1651	0.2 -	0.0 -	0.0 -	0.5 --
SB1681	0.0 -	0.0 -	0.0 -	0.0 -
EW3414	0.2 -	0.0 -	0.5 ----	0.0 -
GL187009	0.0 -	0.0 -	0.0 -	0.0 -
Benedictio KWS	0.0 -	0.0 -	0.0 -	0.0 -
Micheleen	0.0 -	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	0.4 --	0.0 -	0.0 -	1.3 -----
Versuchs-Mittel	0.2 -	0.3 -	0.1 -	0.4 --
VK [%]	466.5	664.8	385.5	196.1
KGD (5%)	1.1	ns	0.7	1.1
KGD (1%)	1.4	ns	ns	1.5
Versuchs-Streuung	1.2	1.8	0.4	0.7
FG Fehlerterm	172.0	56.0	58.0	58.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	84.0	29	2.17 **	1.53	0.0012
Anbauorte	2.8	2	1.06 ns	3.04	0.3498
WW Verf.*Anb.Orte	59.2	58	0.76 ns	1.40	0.8814
Fehler	229.5	172			
Insgesamt	375.5	261			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Telias	3.8 ---	7.5 ----	4.9 ---	1.1 --	1.6 --
Severeen	0.7 -	1.9 -	0.4 -	0.4 -	0.0 -
Amaroc	3.0 ---	1.2 -	9.1 -----	0.0 -	1.6 --
KWS Robertino	4.5 ----	5.9 ---	7.8 ----	1.5 ---	2.7 ---
LG 31245	5.8 ----	6.3 ----	4.6 ---	3.6 ----	8.8 ----
LG 31272	0.3 -	0.8 -	0.4 -	0.0 -	0.0 -
LG 32257	1.5 --	1.7 -	3.6 --	0.7 --	0.0 -
P8086	3.6 ---	3.3 --	7.3 ----	1.5 ---	2.2 --
SY Solarius	7.3 ----	11.4 ----	0.8 -	4.0 ----	12.8 ----
KWS Milandro	3.4 ---	6.1 ----	5.7 ----	0.8 --	1.1 -
KWS Chiasso	2.6 --	2.2 --	3.2 --	1.4 ---	3.6 ---
KWS Gedeo	3.7 ---	6.5 ----	7.4 ----	1.1 --	0.0 -
ES Traveler	2.0 --	0.9 -	4.7 ---	1.1 --	1.5 --
Meluseen	0.7 -	2.0 -	0.4 -	0.0 -	0.6 -
LZM271/45	3.1 ---	1.8 -	3.7 --	2.6 ----	4.5 ----
KXC0018	1.4 --	1.1 -	2.6 --	1.3 --	0.5 -
Qualito	7.4 ----	8.1 ----	10.7 ----	4.3 ----	6.5 ----
KXC1146	1.2 -	0.4 -	2.5 --	1.5 ---	0.5 -
KXC1147	5.6 ----	2.6 --	10.6 ----	2.9 ----	6.5 ----
KXC1203	1.0 -	1.5 -	0.7 -	0.4 -	1.6 --
Fieldplayer	0.2 -	0.4 -	0.5 -	0.0 -	0.0 -
P8436	0.6 -	0.8 -	0.5 -	1.3 --	0.0 -
KWS Odorico	2.1 --	2.5 --	2.1 --	0.7 --	3.2 ---
SA1641	2.1 --	4.4 ---	3.6 --	0.0 -	0.6 -
SB1651	10.1 -----	19.7 -----	4.3 ---	6.9 -----	9.4 -----
SB1681	12.8 -----	15.1 -----	17.8 -----	4.2 -----	14.3 -----
EW3414	3.7 ---	4.1 ---	2.2 --	2.5 ----	6.0 ----
GL187009	1.2 -	0.5 -	0.8 -	0.4 -	3.1 ---
Benedictio KWS	1.2 -	3.9 --	0.7 -	0.0 -	0.0 -
Micheleen	3.8 ---	3.2 --	6.6 ----	1.2 --	4.0 ---
-Bezugsgrösse(n)	1.6 --	1.0 -	4.7 ---	0.0 -	0.8 -
Versuchs-Mittel	3.3 ---	4.3 ---	4.3 ---	1.6 ---	3.2 ---
VK [%]	97.8	72.1	96.1	92.0	115.7
KGD (5%)	2.6	5.0	6.8	2.4	6.1
KGD (1%)	3.5	6.7	9.1	3.1	8.2
Versuchs-Streuung	3.3	3.1	4.2	1.4	3.8
FG Fehlerterm	224.0	56.0	56.0	56.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3035.9	29	9.77 ***	1.52	0.0000
Anbauorte	448.9	3	13.96 ***	2.65	0.0000
WW Verf.*Anb.Orte	1675.5	87	1.80 ns	1.33	
Fehler	2400.9	224			
Insgesamt	7561.1	343			

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

Verfahren	Seriemittel	5643		8566	
		Alikon AG		Ellighausen TG	
SY Telias	0.6	--	1.1	--	0.0 -
Severeen	0.8	---	0.5	-	1.1 -----
Amaroc	0.8	---	1.7	---	0.0 -
KWS Robertino	0.6	--	1.1	--	0.0 -
LG 31245	0.3	-	0.6	-	0.0 -
LG 31272	0.3	-	0.0	-	0.5 -----
LG 32257	0.0	-	0.0	-	0.0 -
P8086	0.3	-	0.6	-	0.0 -
SY Solarius	0.0	-	0.0	-	0.0 -
KWS Milandro	0.0	-	0.0	-	0.0 -
KWS Chiasso	2.3	-----	4.7	-----	0.0 -
KWS Gedeo	1.5	----	3.1	----	0.0 -
ES Traveler	2.4	-----	4.2	-----	0.5 ----
Meluseen	0.3	-	0.5	-	0.0 -
LZM271/45	1.4	----	2.8	----	0.0 -
KXC0018	0.5	--	0.0	-	1.0 -----
Qualito	1.3	----	2.7	----	0.0 -
KXC1146	0.3	--	0.7	--	0.0 -
KXC1147	1.3	----	2.1	----	0.5 ----
KXC1203	0.5	--	1.1	--	0.0 -
Fieldplayer	1.7	----	2.3	----	1.1 -----
P8436	0.3	-	0.5	-	0.0 -
KWS Odorico	0.0	-	0.0	-	0.0 -
SA1641	3.4	-----	6.9	-----	0.0 -
SB1651	0.0	-	0.0	-	0.0 -
SB1681	0.0	-	0.0	-	0.0 -
EW3414	0.0	-	0.0	-	0.0 -
GL187009	0.3	-	0.5	-	0.0 -
Benedictio KWS	1.6	----	3.2	----	0.0 -
Micheleen	0.0	-	0.0	-	0.0 -
-Bezugsgrösse(n)	0.6	--	0.8	--	0.3 ---
Versuchs-Mittel	0.8	---	1.4	---	0.2 --
VK [%]	242.8		187.1		356.3
KGD (5%)	ns		ns		ns
KGD (1%)	ns		ns		ns
Versuchs-Streuung	1.8		2.5		0.6
FG Fehlerterm	112.0		56.0		56.0
Anz. Beob.	6.0		3.0		3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	131.8	29	1.34	ns	1.57	0.1439
Anbauorte	65.2	1	19.17	***	3.92	0.0001
WW Verf.*Anb.Orte	132.9	29	1.35	ns	1.57	0.1373
Fehler	381.1	112				
Insgesamt	711.0	171				

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567	
		Delley FR	
SY Telias	5.7 -----	5.7 -----	
Severeen	4.0 ----	4.0 ----	
Amaroc	3.7 ---	3.7 ---	
KWS Robertino	3.7 ---	3.7 ---	
LG 31245	4.7 -----	4.7 -----	
LG 31272	3.7 ---	3.7 ---	
LG 32257	4.7 -----	4.7 -----	
P8086	5.0 -----	5.0 -----	
SY Solarius	5.7 -----	5.7 -----	
KWS Milandro	3.3 --	3.3 --	
KWS Chiasso	4.3 -----	4.3 -----	
KWS Gedeo	3.7 ---	3.7 ---	
ES Traveler	3.0 -	3.0 -	
Meluseen	4.0 ----	4.0 ----	
LZM271/45	4.0 ----	4.0 ----	
KXC0018	4.0 ----	4.0 ----	
Qualito	3.7 ---	3.7 ---	
KXC1146	3.0 -	3.0 -	
KXC1147	3.3 --	3.3 --	
KXC1203	3.0 -	3.0 -	
Fieldplayer	4.7 -----	4.7 -----	
P8436	4.3 -----	4.3 -----	
KWS Odorico	4.7 -----	4.7 -----	
SA1641	6.0 -----	6.0 -----	
SB1651	5.0 -----	5.0 -----	
SB1681	4.3 -----	4.3 -----	
EW3414	3.7 ---	3.7 ---	
GL187009	3.0 -	3.0 -	
Benedictio KWS	3.0 -	3.0 -	
Micheleen	4.3 -----	4.3 -----	
-Bezugsgrösse(n)	3.7 ---	3.7 ---	
Versuchs-Mittel	4.1 ----	4.1 ----	
VK [%]	21.4	21.4	
KGD (5%)	1.4	1.4	
KGD (1%)	1.9	1.9	
Versuchs-Streuung	0.9	0.9	
FG Fehlerterm	56.0	56.0	
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	8.7 -----	8.8 -----	8.3 -----	7.5 ---	9.4 -----
Severeen	8.7 -----	8.9 -----	8.4 -----	8.3 -----	8.5 -----
Amaroc	8.5 -----	7.8 ----	8.5 -----	8.3 -----	8.7 -----
KWS Robertino	8.7 -----	7.9 -----	8.5 -----	8.4 -----	9.1 -----
LG 31245	8.2 -	7.2 -	8.0 ---	7.8 -----	8.4 -----
LG 31272	8.7 -----	8.4 -----	8.7 -----	8.7 -----	8.9 -----
LG 32257	8.6 -----	8.3 -----	8.5 -----	8.4 -----	9.0 -----
P8086	8.5 -----	7.8 ---	8.7 -----	8.3 -----	8.7 -----
SY Solarius	8.7 -----	8.2 -----	8.5 -----	8.2 -----	9.1 -----
KWS Milandro	8.8 -----	8.3 -----	8.7 -----	8.0 -----	9.3 -----
KWS Chiasso	8.8 -----	8.4 -----	8.3 -----	8.5 -----	9.4 -----
KWS Gedeo	9.0 -----	8.7 -----	8.6 -----	8.3 -----	9.5 -----
ES Traveler	8.7 -----	8.4 -----	7.7 -	8.1 -----	9.0 -----
Meluseen	8.5 -----	8.5 -----	8.6 -----	8.2 -----	7.7 -
LZM271/45	8.8 -----	9.0 -----	8.5 -----	8.0 -----	9.1 -----
KXC0018	8.7 -----	8.9 -----	8.3 -----	7.9 -----	8.5 -----
Qualito	8.9 -----	8.6 -----	8.5 -----	8.5 -----	9.3 -----
KXC1146	8.7 -----	8.7 -----	8.8 -----	7.8 -----	9.0 -----
KXC1147	8.7 -----	8.3 -----	9.0 -----	8.6 -----	8.2 -----
KXC1203	9.0 -----	9.3 -----	9.0 -----	8.8 -----	9.3 -----
Fieldplayer	8.4 -----	8.4 -----	8.3 -----	7.5 ---	8.8 -----
P8436	8.5 -----	7.8 ---	8.3 -----	7.1 -	8.6 -----
KWS Odorico	8.9 -----	9.3 -----	8.5 -----	8.0 -----	9.5 -----
SA1641	8.7 -----	8.5 -----	8.5 -----	7.3 --	9.2 -----
SB1651	9.0 -----	9.0 -----	8.7 -----	8.2 -----	9.2 -----
SB1681	8.7 -----	7.9 -----	8.5 -----	7.6 ---	9.6 -----
EW3414	8.8 -----	8.7 -----	9.0 -----	8.0 -----	8.5 -----
GL187009	8.7 -----	8.2 -----	8.8 -----	8.1 -----	8.4 -----
Benedictio KWS	8.7 -----	8.4 -----	8.5 -----	8.0 -----	9.0 -----
Micheleen	8.4 ---	8.1 -----	8.4 -----	8.1 -----	8.3 -----
-Bezugsgrösse(n)	8.6 -----	8.1 -----	8.6 -----	8.5 -----	8.8 -----
Versuchs-Mittel	8.7 -----	8.4 -----	8.5 -----	8.1 -----	8.9 -----
VK [%]	6.0	7.1	5.4	8.5	6.6
KGD (5%)	0.3	1.0	ns	ns	1.0
KGD (1%)	0.4	ns	ns	ns	ns
Versuchs-Streuung	0.5	0.6	0.5	0.7	0.6
FG Fehlerterm	427.0	56.0	56.0	56.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	23.7	29	3.04 ***	1.49	0.0002
Anbauorte	71.1	7	37.74 ***	2.03	0.0000
WW Verf.*Anb.Orte	69.6	203	1.27 ns	1.21	
Fehler	114.8	427			
Insgesamt	279.1	666			

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

Verfahren	5643 Alikon AG		8046 Reckenholz ZH		8193 Eglisau ZH		8566 Ellighausen TG	
SY Telias	8.8	----	9.0	-----	8.4	-----	9.0	----
Severeen	9.2	-----	9.0	-----	8.3	-----	9.0	----
Amaroc	8.7	---	8.8	-----	8.3	----	9.1	----
KWS Robertino	8.7	---	8.9	-----	8.9	-----	8.7	-
LG 31245	9.1	-----	8.7	-----	7.5	-	8.7	-
LG 31272	8.9	----	9.2	-----	8.4	----	8.6	-
LG 32257	9.0	-----	7.8	-	8.6	-----	9.0	----
P8086	8.5	-	9.0	-----	8.4	-----	8.7	-
SY Solarius	8.9	----	9.0	-----	8.5	----	9.1	----
KWS Milandro	9.1	-----	8.9	-----	8.8	-----	8.9	---
KWS Chiasso	8.9	----	9.3	-----	8.5	----	9.1	----
KWS Gedeo	9.2	-----	8.9	-----	9.2	-----	9.4	-----
ES Traveler	9.6	-----	9.2	-----	8.5	----	9.2	----
Meluseen	9.1	-----	8.9	-----	8.3	----	8.9	---
LZM271/45	9.0	----	8.6	----	9.3	-----	9.3	-----
KXC0018	8.9	----	9.1	-----	8.6	-----	9.2	----
Qualito	9.1	-----	8.7	-----	8.7	-----	9.4	-----
KXC1146	8.5	-	8.9	-----	8.9	-----	9.4	-----
KXC1147	9.3	-----	8.9	-----	7.9	---	9.3	-----
KXC1203	9.0	-----	9.0	-----	8.6	-----	9.1	----
Fieldplayer	8.5	-	8.6	-----	8.4	-----	9.0	---
P8436	9.3	-----	8.6	-----	9.2	-----	9.0	---
KWS Odorico	8.6	-	8.8	-----	9.6	-----	8.9	---
SA1641	9.3	-----	9.0	-----	8.5	----	9.3	-----
SB1651	9.2	-----	9.2	-----	9.2	-----	9.4	-----
SB1681	8.8	----	9.0	-----	9.1	-----	9.2	----
EW3414	8.9	----	9.0	-----	8.6	-----	9.9	-----
GL187009	9.1	-----	9.0	-----	8.7	-----	9.2	----
Benedictio KWS	9.0	-----	8.9	-----	8.8	-----	9.1	----
Micheleen	8.8	----	8.5	----	7.7	--	9.1	----
-Bezugsgrösse(n)	8.8	---	9.0	-----	8.3	----	8.9	---
Versuchs-Mittel	9.0	-----	8.9	-----	8.6	-----	9.1	----
VK [%]	5.0		4.7		6.2		4.0	
KGD (5%)	ns		ns		ns		ns	
KGD (1%)	ns		ns		ns		ns	
Versuchs-Streuung	0.4		0.4		0.5		0.4	
FG Fehlerterm	58.0		56.0		29.0		58.0	
Anz. Beob.	3.0		3.0		2.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	589.8	397.9	376.9	690.9	567.1
Severeen	569.0	457.0	385.7	582.0	544.9
Amaroc	588.7	430.3	409.0	637.2	573.3
KWS Robertino	575.2	398.3	406.5	592.6	554.3
LG 31245	575.6	417.2	402.3	649.2	528.2
LG 31272	616.2	437.7	441.9	639.3	659.8
LG 32257	560.1	385.6	395.4	659.0	553.1
P8086	547.9	383.5	363.7	564.7	590.1
SY Solarius	579.4	433.8	414.8	605.2	566.2
KWS Milandro	566.3	416.3	429.6	623.5	528.6
KWS Chiasso	533.8	370.6	383.0	597.4	538.7
KWS Gedeco	576.9	421.7	430.1	623.4	557.3
ES Traveler	633.7	433.2	431.0	703.0	614.8
Meluseen	580.5	416.3	454.8	607.1	565.6
LZM271/45	581.2	409.3	468.4	639.3	582.3
KXC0018	556.4	378.1	403.4	662.0	505.0
Qualito	609.2	434.2	464.7	693.1	616.1
KXC1146	609.2	445.6	435.5	660.5	623.5
KXC1147	569.6	422.3	425.2	604.7	562.1
KXC1203	584.8	429.0	429.9	705.7	558.4
Fieldplayer	584.6	401.3	403.2	630.8	582.3
P8436	581.8	397.7	407.0	596.3	601.2
KWS Odorico	553.1	400.5	394.7	648.0	540.5
SA1641	599.7	423.7	403.5	724.6	569.1
SB1651	575.7	362.0	404.6	622.4	545.5
SB1681	606.7	461.8	419.9	682.7	626.2
EW3414	592.0	408.6	441.8	663.2	579.0
GL187009	640.7	434.8	480.9	665.7	650.4
Benedictio KWS	567.8	413.2	409.4	624.7	545.6
Micheleen	598.4	451.6	431.2	636.3	564.6
-Bezugsgrösse(n)	602.5	434.0	425.5	638.2	616.6
Versuchs-Mittel	583.5	415.8	418.3	641.1	573.1
VK [%]	6.5	7.6	7.7	5.8	5.3
KGD (5%)	22.1	51.9	52.9	60.4	49.7
KGD (1%)	29.1	ns	70.4	80.4	66.2
Versuchs-Streuung	38.1	31.7	32.4	36.9	30.4
FG Fehlerterm	422.0	56.0	58.0	56.0	56.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	379880.2	29	9.04 ***	1.50	0.0000
Anbauorte	13124773.9	7	1293.45 ***	2.03	0.0000
WW Verf.*Anb.Orte	553267.9	203	1.88 ***	1.22	0.0005
Fehler	611727.5	422			
Insgesamt	14669649.5	661			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	649.4 -----	725.5 -----	484.5 -----	825.9 -----
Severeen	608.9 -----	679.5 -----	474.8 -----	818.9 -----
Amaroc	630.6 -----	747.9 -----	475.9 -----	805.7 -----
KWS Robertino	679.9 -----	725.7 -----	433.2 ---	810.9 -----
LG 31245	627.6 -----	714.0 -----	450.8 -----	815.8 -----
LG 31272	620.4 -----	697.1 -----	565.8 -----	868.0 -----
LG 32257	597.2 ----	594.4 -	472.9 -----	822.9 -----
P8086	556.5 -	669.4 ----	452.5 -----	802.9 ----
SY Solarius	612.8 ----	722.7 -----	470.8 -----	808.9 ----
KWS Milandro	620.6 -----	696.0 -----	399.7 ---	815.8 -----
KWS Chiasso	556.0 -	676.5 ----	415.4 ---	732.6 -
KWS Gedeo	624.5 -----	688.9 ----	450.4 -----	819.2 -----
ES Traveler	688.9 -----	848.8 -----	448.8 -----	900.8 -----
Meluseen	638.5 -----	693.2 ----	457.5 -----	810.9 ----
LZM271/45	602.0 ----	654.8 ---	446.9 -----	846.3 -----
KXC0018	597.4 ----	727.5 -----	390.0 --	787.9 ----
Qualito	669.7 -----	664.7 ---	467.0 -----	864.4 -----
KXC1146	631.2 -----	733.8 -----	458.7 -----	884.7 -----
KXC1147	606.2 ----	695.4 -----	474.9 -----	766.3 --
KXC1203	668.5 -----	705.5 -----	387.5 --	794.2 ----
Fieldplayer	667.5 -----	754.9 -----	419.1 ----	818.0 -----
P8436	645.4 -----	704.0 -----	500.4 -----	802.0 ----
KWS Odorico	563.0 -	684.8 ----	416.5 ---	776.7 ---
SA1641	633.8 -----	746.5 -----	483.9 -----	812.6 -----
SB1651	613.5 -----	732.3 -----	469.5 -----	855.7 -----
SB1681	590.6 ---	763.9 -----	440.4 -----	868.4 -----
EW3414	638.1 -----	806.0 -----	356.1 -	843.4 -----
GL187009	671.6 -----	778.7 -----	527.5 -----	916.2 -----
Benedictio KWS	600.2 ----	716.9 -----	471.2 -----	761.7 --
Micheleen	658.6 -----	739.7 -----	477.0 -----	828.2 -----
-Bezugsgrösse(n)	625.5 -----	722.5 -----	520.9 -----	836.8 -----
Versuchs-Mittel	625.6 -----	716.3 -----	454.7 -----	822.9 -----
VK [%]	5.9	6.7	9.1	5.4
KGD (5%)	60.8	78.9	84.6	72.7
KGD (1%)	81.0	105.0	ns	96.8
Versuchs-Streuung	37.2	48.2	41.4	44.5
FG Fehlerterm	55.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	205.3 ---	185.0 ----	135.4 -	254.7 ----	226.7 ----
Severeen	209.4 ----	208.3 ----	144.8 ---	232.1 -	209.3 -
Amaroc	215.7 ----	203.5 ----	153.2 ----	243.4 --	227.5 ----
KWS Robertino	208.7 ----	185.0 ---	154.9 ----	237.4 -	224.5 ----
LG 31245	213.0 ----	190.1 ----	150.1 ----	259.8 ----	222.4 ----
LG 31272	219.9 ----	204.3 ----	157.3 ----	248.2 ---	246.9 ----
LG 32257	210.0 ----	195.3 ----	147.1 ----	269.0 ----	234.8 ----
P8086	210.1 ----	198.0 ----	142.0 --	242.2 --	248.0 ----
SY Solarius	211.2 ----	195.2 ----	149.5 ---	247.0 ---	238.9 ----
KWS Milandro	214.4 ----	196.6 ----	166.3 ----	267.9 ----	229.3 ----
KWS Chiasso	208.5 ----	186.4 ---	159.0 ----	245.8 ---	238.6 ----
KWS Gedeo	210.6 ----	199.5 ----	164.0 ----	242.9 --	219.8 ---
ES Traveler	219.5 ----	197.4 ----	157.9 ----	254.9 ---	235.4 ----
Meluseen	214.5 ----	198.9 ----	167.5 ----	245.0 ---	233.5 ----
LZM271/45	216.0 ----	191.7 ----	174.3 ----	242.1 --	238.1 ----
KXC0018	209.9 ----	182.0 ---	151.3 ----	274.9 ----	213.6 --
Qualito	219.2 ----	193.6 ----	165.9 ----	278.7 ----	239.6 ----
KXC1146	211.4 ----	193.6 ----	149.0 ---	254.0 ---	241.5 ----
KXC1147	207.0 ---	195.0 ----	160.8 ----	251.2 ---	213.4 --
KXC1203	214.3 ----	193.5 ----	162.1 ----	292.4 ----	219.6 ---
Fieldplayer	214.2 ----	186.9 ---	146.2 ---	258.1 ----	223.0 ---
P8436	201.9 --	196.0 ----	141.0 --	241.9 --	229.3 ----
KWS Odorico	199.8 -	190.2 ----	146.3 ---	249.8 ---	214.6 --
SA1641	213.5 ----	198.3 ----	137.7 -	274.0 ----	230.0 ----
SB1651	207.0 ---	173.5 -	138.0 -	244.9 ---	217.6 ---
SB1681	212.6 ----	207.5 ----	142.0 --	254.9 ----	236.0 ----
EW3414	217.8 ----	199.8 ----	169.3 ----	270.2 ----	229.3 ----
GL187009	215.1 ----	192.0 ----	156.8 ----	259.7 ----	239.8 ----
Benedictio KWS	211.5 ----	195.0 ----	159.7 ----	253.5 ---	231.1 ----
Micheleen	221.0 ----	201.2 ----	161.3 ----	259.1 ----	227.7 ----
-Bezugsgrösse(n)	217.8 ----	203.9 ----	155.3 ----	245.8 ---	237.2 ----
Versuchs-Mittel	212.1 ----	194.4 ----	153.7 ----	255.0 ----	229.3 ----
VK [%]	7.2	7.3	10.0	7.0	5.9
KGD (5%)	8.8	ns	ns	29.3	22.0
KGD (1%)	11.6	ns	ns	ns	ns
Versuchs-Streuung	15.2	14.2	15.3	17.9	13.4
FG Fehlerterm	420.0	56.0	56.0	56.0	56.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17060.9	29	2.55 ***	1.50	0.0004
Anbauorte	1195823.9	7	741.61 ***	2.03	0.0000
WW Verf.*Anb.Orte	74578.6	203	1.59 ns	1.22	
Fehler	96747.9	420			
Insgesamt	1384211.4	659			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	222.7 ----	236.2 ----	143.7 -----	238.1 ----
Severeen	226.7 -----	250.8 -----	149.5 -----	253.3 -----
Amaroc	238.1 -----	261.6 -----	151.8 -----	246.0 ----
KWS Robertino	240.6 -----	250.2 -----	138.1 ----	239.0 ----
LG 31245	238.9 -----	262.2 -----	134.3 ----	246.3 ----
LG 31272	218.0 ----	251.0 -----	172.9 -----	260.6 -----
LG 32257	222.2 ----	216.1 -	152.0 -----	243.1 ----
P8086	212.8 ---	232.7 ----	150.8 -----	254.2 -----
SY Solarius	220.8 ---	253.2 -----	138.2 ----	246.7 ----
KWS Milandro	235.1 -----	245.7 -----	130.1 ---	244.6 ----
KWS Chiasso	218.3 ----	249.2 -----	139.2 ----	231.7 --
KWS Gedeo	220.5 ----	249.0 -----	144.0 -----	245.1 ----
ES Traveler	243.0 -----	271.1 -----	132.0 ----	264.6 -----
Meluseen	233.2 -----	242.4 ----	149.6 -----	246.1 ----
LZM271/45	232.4 -----	238.5 ----	139.3 ----	271.4 -----
KXC0018	236.0 -----	257.8 -----	125.4 ---	238.6 ----
Qualito	235.6 -----	230.0 ---	139.0 ----	271.4 -----
KXC1146	215.0 ---	251.8 -----	130.7 ---	255.5 -----
KXC1147	217.7 ----	241.1 ----	150.6 -----	226.5 -
KXC1203	241.7 -----	246.9 -----	122.4 --	235.9 ---
Fieldplayer	252.7 -----	265.6 -----	126.8 ---	254.6 -----
P8436	205.1 -	229.6 ---	143.6 -----	228.4 --
KWS Odorico	200.9 -	226.4 --	133.9 ----	236.2 ---
SA1641	226.4 -----	263.2 -----	137.4 ----	241.3 ----
SB1651	218.2 ----	258.0 -----	143.9 -----	262.1 -----
SB1681	208.5 --	262.0 -----	131.2 ----	258.9 -----
EW3414	234.5 -----	271.2 -----	113.8 -	254.4 -----
GL187009	220.9 ----	256.0 -----	140.3 ----	255.0 -----
Benedictio KWS	226.0 ----	246.9 -----	157.1 -----	222.6 -
Micheleen	245.3 -----	257.4 -----	151.9 -----	264.3 -----
-Bezugsgrösse(n)	228.1 -----	256.3 -----	162.4 -----	253.3 -----
Versuchs-Mittel	226.9 -----	249.1 -----	140.5 ----	247.9 -----
VK [%]	6.7	6.3	8.7	6.2
KGD (5%)	24.9	25.8	25.0	25.1
KGD (1%)	ns	34.3	ns	33.4
Versuchs-Streuung	15.2	15.8	12.2	15.3
FG Fehlerterm	55.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	35.6 ---	46.5 ----	36.0 ----	36.9 --	39.9 ----
Severeen	37.3 -----	45.7 ---	37.3 -----	39.9 -----	38.4 ---
Amaroc	37.2 -----	47.4 -----	37.3 -----	38.1 ---	39.7 ----
KWS Robertino	37.1 -----	46.6 ---	38.0 -----	40.1 -----	40.5 -----
LG 31245	37.5 -----	45.7 ---	37.4 -----	40.0 -----	42.1 -----
LG 31272	36.3 ----	46.9 ----	35.6 ----	38.9 ----	37.4 -
LG 32257	38.4 -----	50.9 -----	37.1 -----	40.8 -----	42.5 -----
P8086	39.3 -----	52.0 -----	39.0 -----	42.8 -----	42.1 -----
SY Solarius	36.9 ----	45.1 ---	35.9 ---	40.8 -----	42.2 -----
KWS Milandro	38.5 -----	47.3 ----	38.7 -----	43.0 -----	43.4 -----
KWS Chiasso	39.8 -----	50.3 -----	41.5 -----	41.2 -----	44.4 -----
KWS Gedeo	37.2 ----	47.3 ----	38.3 -----	38.9 ----	39.6 ---
ES Traveler	35.3 ---	45.7 ---	36.3 ----	36.3 -	38.4 ---
Meluseen	37.6 -----	47.8 ----	37.0 ----	40.3 -----	41.3 -----
LZM271/45	37.7 -----	47.1 ----	37.2 -----	37.8 ---	40.9 -----
KXC0018	38.4 -----	48.4 ----	37.2 -----	41.5 -----	42.3 -----
Qualito	36.3 ----	44.6 --	35.7 ----	40.2 -----	38.9 ---
KXC1146	35.1 --	43.5 -	34.1 --	38.4 ----	38.8 ---
KXC1147	37.0 -----	46.2 ---	37.9 -----	41.5 -----	38.1 --
KXC1203	37.0 -----	45.1 ---	37.4 -----	41.4 -----	39.4 ----
Fieldplayer	37.0 -----	46.7 ----	35.6 ----	40.7 -----	38.3 --
P8436	35.6 ---	49.4 -----	34.5 ---	40.6 -----	38.2 --
KWS Odorico	36.8 ----	47.6 ----	36.9 ----	38.5 ----	39.8 ----
SA1641	36.0 ---	46.8 ----	33.9 --	37.9 ---	40.4 ----
SB1651	36.7 ----	48.2 -----	34.1 --	39.4 ----	39.8 ----
SB1681	35.4 ---	45.0 --	33.8 --	37.3 --	37.7 --
EW3414	37.5 -----	49.0 -----	38.4 -----	40.6 -----	39.6 ----
GL187009	34.1 -	44.0 -	32.7 -	39.1 ----	36.9 -
Benedictio KWS	38.0 -----	47.2 ----	39.1 -----	40.6 -----	42.4 -----
Micheleen	37.4 -----	44.7 --	37.3 -----	40.8 -----	40.4 ----
-Bezugsgrösse(n)	36.8 ----	47.1 ----	36.4 ----	38.5 ----	38.6 ---
Versuchs-Mittel	37.0 -----	46.9 ----	36.7 ----	39.8 -----	40.1 ----
VK [%]	3.9	4.0	3.7	4.0	4.9
KGD (5%)	0.8	3.0	2.2	2.6	3.2
KGD (1%)	1.1	4.1	3.0	3.4	4.3
Versuchs-Streuung	1.5	1.9	1.4	1.6	2.0
FG Fehlerterm	423.0	56.0	56.0	56.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1046.1	29	17.01 ***	1.50	0.0000
Anbauorte	17667.5	7	1189.98 ***	2.03	0.0000
WW Verf.*Anb.Orte	851.5	203	1.98 ***	1.22	0.0004
Fehler	897.2	423			
Insgesamt	20462.3	662			

Précocité [% MS] / Frühreife [% TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	34.3 ----	32.6 --	29.6 ----	28.8 ---
Severeen	37.3 -----	37.1 -----	31.7 -----	30.9 -----
Amaroc	37.7 -----	35.1 -----	31.9 -----	30.5 -----
KWS Robertino	35.4 ----	34.5 ----	31.9 -----	29.5 ---
LG 31245	38.1 -----	36.7 -----	29.9 ----	30.1 ----
LG 31272	35.1 ----	36.2 -----	30.6 ----	30.0 ----
LG 32257	37.2 -----	37.0 -----	32.1 -----	29.5 ----
P8086	38.2 -----	35.0 ----	33.3 -----	31.6 -----
SY Solarius	36.2 ----	35.2 ----	29.4 ----	30.4 ----
KWS Milandro	37.8 -----	35.4 ----	32.5 -----	29.9 ----
KWS Chiasso	39.3 -----	37.0 -----	33.6 -----	31.6 -----
KWS Gedeo	35.3 ----	36.2 -----	32.0 -----	29.9 ----
ES Traveler	35.3 ----	32.0 -	29.4 ----	29.3 ---
Meluseen	36.5 -----	35.1 ----	32.7 -----	30.4 ----
LZM271/45	38.7 -----	36.7 -----	31.1 ----	32.1 -----
KXC0018	39.5 -----	35.5 ----	32.2 -----	30.3 ----
Qualito	35.2 ----	34.8 ----	29.9 ----	31.4 -----
KXC1146	34.1 ----	34.4 ----	28.5 ---	28.7 ---
KXC1147	36.0 ----	34.7 ----	31.8 -----	29.6 ----
KXC1203	36.4 ----	35.1 ----	31.8 -----	29.6 ----
Fieldplayer	37.8 -----	35.3 -----	30.2 ----	31.1 -----
P8436	31.8 -	32.8 --	28.7 ----	28.5 --
KWS Odorico	35.7 ----	33.4 ---	32.1 -----	30.5 -----
SA1641	35.7 ----	35.3 -----	28.3 ---	29.7 ----
SB1651	35.6 ----	35.3 -----	30.7 -----	30.6 -----
SB1681	35.4 ----	34.3 ----	29.8 ----	29.8 ----
EW3414	36.8 -----	33.7 ----	32.0 -----	30.0 ----
GL187009	32.9 --	32.9 --	26.6 -	27.8 -
Benedictio KWS	37.6 -----	34.5 ----	33.4 -----	29.3 ---
Micheleen	37.3 -----	34.9 ----	32.0 -----	31.9 -----
-Bezugsgrösse(n)	36.4 -----	35.6 -----	31.3 -----	30.3 -----
Versuchs-Mittel	36.3 -----	34.9 ----	31.0 -----	30.1 ----
VK [%]	2.8	3.0	4.9	3.0
KGD (5%)	1.7	1.7	3.1	1.5
KGD (1%)	2.2	2.3	4.2	1.9
Versuchs-Streuung	1.0	1.1	1.5	0.9
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
SY Telias	140.6 ---	135.1 ----	97.1 --	177.1 ----	158.7 -----
Severeen	141.9 ---	151.4 -----	101.1 ---	159.5 -	135.0 -
Amaroc	148.0 -----	145.8 -----	112.2 -----	171.2 ---	156.3 -----
KWS Robertino	144.5 ----	137.3 ----	114.9 -----	171.0 ---	155.6 ----
LG 31245	146.6 ----	135.2 ----	108.5 ----	182.2 ----	156.8 ----
LG 31272	153.4 -----	151.3 -----	116.9 -----	180.6 ----	170.4 -----
LG 32257	148.5 -----	149.3 -----	105.6 ----	195.2 -----	172.1 -----
P8086	146.1 ----	147.7 -----	104.3 ---	172.0 ---	175.2 -----
SY Solarius	149.0 -----	144.3 ----	106.7 ----	179.1 ----	174.8 -----
KWS Milandro	150.4 -----	143.8 ----	119.2 -----	200.0 -----	166.8 ----
KWS Chiasso	148.0 ----	137.5 ----	121.1 -----	172.8 ---	173.2 -----
KWS Gedeo	147.9 ----	148.3 -----	124.3 -----	172.0 ---	153.7 ----
ES Traveler	153.4 -----	145.1 ----	115.4 ----	183.1 ----	168.7 ----
Meluseen	152.6 -----	148.9 -----	124.6 -----	176.6 ---	171.3 ----
LZM271/45	150.4 -----	143.1 ----	121.7 -----	169.1 ---	165.4 ----
KXC0018	147.8 ----	134.4 ---	113.3 ----	205.5 -----	150.6 ---
Qualito	150.3 -----	138.4 ----	119.2 -----	198.9 -----	165.4 ----
KXC1146	142.8 ---	129.1 --	108.7 ----	179.4 ----	164.4 ----
KXC1147	144.6 ----	143.5 ----	119.3 -----	181.3 ----	151.0 ----
KXC1203	146.4 ----	140.2 ----	117.0 -----	209.4 -----	151.4 ----
Fieldplayer	149.1 -----	139.3 ----	104.9 ---	190.2 ----	148.5 ---
P8436	137.5 -	140.7 ----	97.6 --	167.5 --	162.9 ----
KWS Odorico	141.9 ---	142.3 ----	106.7 ----	180.9 ----	159.9 ----
SA1641	148.9 -----	142.7 ----	95.3 -	198.9 -----	162.4 ----
SB1651	141.7 ---	123.9 -	93.3 -	167.8 --	150.4 ---
SB1681	146.8 ----	148.9 -----	98.0 --	174.7 ----	165.1 ----
EW3414	153.8 -----	148.3 ----	124.6 -----	197.9 -----	162.9 ----
GL187009	151.5 -----	140.6 ----	113.1 ----	194.1 ----	176.0 -----
Benedictio KWS	149.7 ----	144.3 ----	121.5 -----	184.6 ----	170.4 ----
Micheleen	152.1 -----	144.5 ----	115.9 ----	182.5 ----	158.3 ----
-Bezugsgrösse(n)	150.7 -----	148.5 -----	114.6 -----	175.9 ----	163.3 -----
Versuchs-Mittel	147.5 ----	142.2 ----	111.4 ----	182.5 ----	161.8 ----
VK [%]	8.6	8.1	11.3	9.2	7.8
KGD (5%)	7.4	ns	ns	ns	20.7
KGD (1%)	9.7	ns	ns	ns	ns
Versuchs-Streuung	12.7	11.5	12.6	16.9	12.6
FG Fehlerterm	424.0	56.0	56.0	58.0	56.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	11460.6	29	2.44 ***	1.49	0.0005
Anbauorte	560491.2	7	494.80 ***	2.03	0.0000
WW Verf.*Anb.Orte	51398.8	203	1.56 ns	1.22	
Fehler	68612.8	424			
Insgesamt	691963.5	663			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	149.6 ----	155.0 ---	95.9 -----	156.6 ---
Severeen	154.0 -----	168.7 -----	98.4 -----	167.4 -----
Amaroc	160.9 -----	174.1 -----	100.6 -----	162.7 -----
KWS Robertino	162.4 -----	167.4 -----	90.3 ---	157.1 ---
LG 31245	162.7 -----	180.4 -----	87.5 ---	159.8 ---
LG 31272	145.2 ---	171.1 -----	118.8 -----	172.6 -----
LG 32257	153.2 -----	146.3 -	104.0 -----	162.6 ----
P8086	144.5 ---	151.4 --	99.9 -----	173.6 -----
SY Solarius	151.1 ----	173.0 -----	92.1 ---	170.7 -----
KWS Milandro	160.3 -----	167.9 -----	86.1 --	159.3 ---
KWS Chiasso	153.1 ----	174.7 -----	94.1 ---	157.7 ---
KWS Gedeo	156.0 -----	173.2 -----	95.8 ----	159.9 ---
ES Traveler	167.4 -----	185.6 -----	88.2 ---	173.7 -----
Meluseen	161.8 -----	171.0 -----	104.0 -----	162.5 ---
LZM271/45	162.0 -----	164.1 ----	94.3 ----	183.6 -----
KXC0018	160.7 -----	180.4 -----	81.8 -	155.8 ---
Qualito	156.7 -----	151.1 --	91.7 ---	181.0 -----
KXC1146	140.8 --	170.3 -----	84.1 --	165.8 -----
KXC1147	148.8 ---	160.8 ---	100.8 -----	151.6 --
KXC1203	158.7 -----	159.6 ----	80.3 -	154.8 ---
Fieldplayer	175.2 -----	183.2 -----	81.9 -	169.6 -----
P8436	135.6 -	152.7 --	95.3 ----	147.3 -
KWS Odorico	140.2 --	154.7 ---	88.5 ---	162.1 ----
SA1641	153.1 ----	185.0 -----	91.8 ---	162.2 ----
SB1651	149.6 ----	178.7 -----	95.1 ----	174.6 -----
SB1681	140.6 --	179.8 -----	89.7 ---	178.0 -----
EW3414	160.4 -----	186.7 -----	78.4 -	171.4 -----
GL187009	150.3 ----	176.4 -----	94.6 ----	166.9 -----
Benedictio KWS	155.4 -----	168.4 -----	105.8 -----	147.0 -
Micheleen	165.6 -----	177.4 -----	99.1 ----	173.5 -----
-Bezugsgrösse(n)	153.1 ----	172.6 -----	109.7 -----	167.7 -----
Versuchs-Mittel	154.5 ----	169.6 -----	93.6 ---	164.7 ----
VK [%]	7.9	7.3	9.8	6.9
KGD (5%)	ns	20.2	ns	18.6
KGD (1%)	ns	26.9	ns	ns
Versuchs-Streuung	12.2	12.4	9.2	11.4
FG Fehlerterm	57.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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 ----	81.5 ----	55.3 ----	95.5 ----	100.8 -----
Severeen	76.5 ---	91.4 -----	51.5 ---	85.4 -	76.0 -
Amaroc	78.9 ----	82.9 -----	56.6 ----	90.7 --	94.2 -----
KWS Robertino	78.8 ----	78.5 ----	60.9 -----	100.3 ----	97.9 -----
LG 31245	78.0 ----	72.3 --	55.3 ----	101.0 ----	93.0 ----
LG 31272	84.7 -----	84.8 -----	63.2 -----	104.7 -----	100.0 -----
LG 32257	84.5 -----	90.7 -----	56.4 ----	109.9 -----	111.2 -----
P8086	76.2 --	83.3 -----	52.6 ----	90.8 --	104.9 -----
SY Solarius	79.9 ----	83.7 -----	54.0 ----	97.5 ----	106.1 -----
KWS Milandro	85.8 -----	85.5 -----	66.0 -----	119.5 -----	107.2 -----
KWS Chiasso	81.4 -----	80.9 -----	68.0 -----	87.9 --	107.1 -----
KWS Gedeo	78.1 ---	83.6 -----	64.1 -----	92.5 ---	89.6 ---
ES Traveler	83.3 -----	86.5 -----	62.3 ----	95.5 ----	105.8 -----
Meluseen	83.7 -----	89.0 -----	63.2 ----	96.0 ----	106.7 -----
LZM271/45	81.2 -----	87.8 -----	65.0 -----	83.4 -	96.4 ----
KXC0018	80.5 -----	75.7 ---	58.2 ----	115.3 -----	90.7 ----
Qualito	79.1 ----	75.9 ---	61.3 -----	106.3 -----	99.4 -----
KXC1146	74.1 -	69.3 -	49.5 --	97.0 ----	106.5 -----
KXC1147	80.9 ----	83.7 -----	67.5 -----	104.3 -----	94.1 ----
KXC1203	78.2 ----	80.3 ----	60.1 ----	117.9 -----	89.7 ----
Fieldplayer	78.3 ----	83.7 -----	52.5 ----	108.7 -----	82.9 ---
P8436	76.7 ---	85.8 -----	51.2 ---	94.8 ---	104.6 -----
KWS Odorico	80.8 ----	83.7 -----	57.8 ----	107.3 -----	106.1 -----
SA1641	78.2 ----	82.7 -----	44.3 -	113.0 -----	90.0 ----
SB1651	78.1 ----	76.4 ----	47.0 --	95.6 ----	89.5 ----
SB1681	79.5 ----	88.0 -----	47.4 --	95.6 ----	99.2 -----
EW3414	84.9 -----	86.9 -----	72.0 -----	118.0 -----	95.9 ----
GL187009	84.2 -----	81.5 ----	53.5 ----	123.6 -----	105.3 -----
Benedictio KWS	82.8 -----	87.6 -----	66.9 -----	104.5 ----	101.4 -----
Micheleen	84.3 -----	85.2 -----	63.1 ----	102.6 ----	96.4 ----
-Bezugsgrösse(n)	81.8 -----	83.8 -----	59.9 -----	97.7 ----	97.1 -----
Versuchs-Mittel	80.4 ----	83.0 ----	58.2 ----	101.8 ----	98.3 ----
VK [%]	12.3	11.1	16.4	13.3	12.2
KGD (5%)	5.7	ns	ns	22.1	ns
KGD (1%)	7.5	ns	ns	ns	ns
Versuchs-Streuung	9.9	9.2	9.5	13.5	12.0
FG Fehlerterm	424.0	56.0	56.0	58.0	56.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6116.5	29	2.17 ***	1.49	0.0009
Anbauorte	257684.3	7	378.13 ***	2.03	0.0000
WW Verf.*Anb.Orte	28146.7	203	1.42 ns	1.22	
Fehler	41277.2	424			
Insgesamt	333224.6	663			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	80.0 -----	88.0 -----	42.9 -----	96.5 -----
Severeen	71.3 ----	96.8 -----	45.6 -----	94.2 -----
Amaroc	77.7 -----	91.0 -----	44.8 -----	93.6 -----
KWS Robertino	80.9 -----	85.4 -----	39.7 ----	86.9 --
LG 31245	77.6 -----	98.7 -----	35.2 --	90.8 ----
LG 31272	69.9 ---	95.7 -----	55.5 -----	103.8 -----
LG 32257	81.9 -----	79.6 ----	52.6 -----	93.9 -----
P8086	68.9 ---	75.6 --	43.4 -----	90.4 ----
SY Solarius	74.9 -----	92.4 -----	40.3 ----	90.1 ----
KWS Milandro	83.7 -----	92.4 -----	40.3 ----	92.0 ----
KWS Chiasso	82.1 -----	93.9 -----	43.8 -----	87.4 --
KWS Gedeo	73.8 ----	86.7 -----	42.9 -----	91.7 -----
ES Traveler	84.3 -----	93.6 -----	36.4 --	102.3 -----
Meluseen	86.1 -----	88.6 -----	47.4 -----	92.7 ----
LZM271/45	83.1 -----	88.5 -----	42.5 -----	102.6 -----
KXC0018	83.0 -----	92.9 -----	37.1 --	90.9 ----
Qualito	76.4 -----	70.2 -	38.2 --	105.2 -----
KXC1146	63.7 -	82.4 ----	31.3 -	92.9 ----
KXC1147	74.7 -----	84.3 ----	50.3 -----	88.4 ----
KXC1203	79.0 -----	81.3 ----	33.5 --	83.9 --
Fieldplayer	83.2 -----	88.8 -----	35.0 --	91.8 ----
P8436	68.2 --	82.5 ----	45.4 -----	81.3 -
KWS Odorico	77.0 -----	77.1 --	40.5 ----	97.5 -----
SA1641	74.3 -----	97.0 -----	38.8 ----	85.6 --
SB1651	77.6 -----	101.9 -----	41.9 -----	94.7 -----
SB1681	72.0 ----	95.2 -----	42.0 -----	96.3 -----
EW3414	83.0 -----	96.0 -----	35.3 --	92.2 ----
GL187009	81.5 -----	91.0 -----	41.2 -----	96.0 -----
Benedictio KWS	80.8 -----	84.9 ----	51.6 -----	84.7 --
Micheleen	85.4 -----	97.6 -----	45.5 -----	98.4 -----
-Bezugsgrösse(n)	73.8 -----	93.4 -----	50.2 -----	98.7 -----
Versuchs-Mittel	77.9 -----	89.0 -----	42.0 ----	93.0 ----
VK [%]	10.4	9.9	12.1	9.1
KGD (5%)	ns	14.4	10.4	ns
KGD (1%)	ns	19.2	14.0	ns
Versuchs-Streuung	8.1	8.8	5.1	8.5
FG Fehlerterm	57.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	686.6 ----	728.3 -----	715.7 ----	695.7 --	699.3 -----
Severeen	678.9 --	727.3 -----	701.7 ----	688.0 -	644.7 -
Amaroc	687.6 ----	717.0 -----	733.0 -----	699.7 ---	687.0 ----
KWS Robertino	694.0 -----	741.7 -----	741.0 -----	721.0 -----	693.0 ----
LG 31245	688.8 ----	713.7 -----	723.0 -----	700.7 ---	705.0 -----
LG 31272	699.6 -----	741.7 -----	742.0 -----	727.3 -----	690.3 ----
LG 32257	706.2 -----	760.0 -----	720.0 ----	726.0 -----	732.0 -----
P8086	696.1 ----	747.0 -----	734.7 ----	709.3 ----	706.7 ----
SY Solarius	703.9 -----	739.3 -----	709.0 ---	724.3 ----	731.0 -----
KWS Milandro	699.4 -----	731.0 -----	717.0 ----	746.0 -----	726.7 -----
KWS Chiasso	710.9 -----	739.0 -----	761.7 -----	703.0 ---	726.0 -----
KWS Gedeo	703.5 -----	744.0 -----	758.3 -----	706.0 ---	699.0 ----
ES Traveler	699.6 ----	735.7 -----	731.0 ----	716.7 ----	716.3 ----
Meluseen	712.3 -----	748.3 -----	744.0 -----	718.7 ----	733.7 -----
LZM271/45	696.2 ----	747.0 -----	699.3 ---	695.7 --	691.7 ----
KXC0018	702.9 -----	739.0 -----	744.3 -----	747.7 -----	705.3 -----
Qualito	685.3 ---	715.3 ----	716.7 ----	714.7 ----	689.0 ----
KXC1146	675.3 -	667.3 -	728.0 ----	704.3 ---	681.3 ---
KXC1147	699.5 -----	736.0 -----	742.7 -----	721.0 ----	708.0 ----
KXC1203	682.4 ---	723.3 ----	717.7 ----	715.7 ----	689.0 ----
Fieldplayer	693.3 ----	745.0 -----	707.0 ---	733.3 -----	666.7 ---
P8436	680.7 --	717.7 ----	690.3 --	691.7 --	708.0 -----
KWS Odorico	708.6 -----	748.0 -----	726.0 ----	724.7 ----	744.3 -----
SA1641	695.1 ----	719.3 ----	690.7 --	725.7 ----	705.7 ----
SB1651	683.7 ---	715.0 ----	675.7 -	684.3 -	689.3 ----
SB1681	690.3 ----	719.0 ----	689.0 --	685.7 -	699.0 ----
EW3414	706.3 -----	742.3 -----	735.7 -----	728.0 -----	710.3 -----
GL187009	704.0 -----	731.7 -----	722.3 ----	747.0 -----	734.0 -----
Benedictio KWS	708.3 -----	739.7 -----	758.7 -----	727.7 ----	737.0 -----
Micheleen	688.6 ----	718.7 ----	717.0 ----	704.3 ----	695.0 ----
-Bezugsgrösse(n)	693.6 -----	729.3 -----	737.5 -----	713.5 ----	688.7 ----
Versuchs-Mittel	695.6 ----	731.3 -----	723.1 ----	714.5 ----	704.8 -----
VK [%]	2.7	2.4	2.7	3.2	3.1
KGD (5%)	11.0	29.1	31.5	36.9	35.7
KGD (1%)	14.5	38.7	42.0	ns	47.4
Versuchs-Streuung	19.0	17.8	19.3	22.6	21.8
FG Fehlerterm	425.0	56.0	56.0	58.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	68924.1	29	6.58 ***	1.49	0.0000
Anbauorte	412371.0	7	163.04 ***	2.03	0.0000
WW Verf.*Anb.Orte	122260.1	203	1.67 ***	1.22	0.0009
Fehler	153560.1	425			
Insgesamt	757115.3	664			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	673.3 ----	655.7 --	667.5 ----	657.7 ---
Severeen	679.3 ----	672.7 ----	657.0 ---	660.3 ---
Amaroc	676.3 ----	664.3 ----	662.5 ----	661.3 ----
KWS Robertino	675.0 ---	669.0 ---	654.0 ---	657.7 ---
LG 31245	680.3 ----	687.3 -----	651.0 --	649.7 -
LG 31272	663.0 --	681.3 -----	687.0 -----	664.0 ----
LG 32257	689.3 -----	672.0 ----	683.5 -----	666.7 ----
P8086	678.0 ----	647.3 -	662.0 ----	683.7 -----
SY Solarius	684.7 ----	683.7 ----	667.0 ----	692.0 -----
KWS Milandro	680.3 ----	682.3 ----	661.5 ----	650.3 -
KWS Chiasso	701.3 -----	700.7 -----	675.5 -----	680.3 -----
KWS Gedeo	707.7 -----	694.7 -----	665.5 ----	652.7 --
ES Traveler	688.7 ----	684.0 ----	668.0 ----	656.3 --
Meluseen	694.0 ----	705.0 -----	694.5 -----	660.3 ---
LZM271/45	697.0 -----	685.0 ----	677.0 ----	676.7 -----
KXC0018	680.7 ----	699.7 -----	652.5 --	654.3 --
Qualito	665.3 ---	655.0 --	659.5 ----	667.0 ----
KXC1146	654.7 -	675.7 ----	643.0 -	648.3 -
KXC1147	684.0 ----	667.3 ----	668.5 ----	668.7 ----
KXC1203	657.7 -	646.0 -	655.5 ---	654.3 --
Fieldplayer	692.7 -----	689.7 -----	646.5 -	665.3 ----
P8436	661.0 --	664.7 ----	664.0 ----	648.0 -
KWS Odorico	697.7 -----	679.7 ----	661.5 ----	686.7 -----
SA1641	676.7 ----	702.7 -----	668.0 ----	672.3 ----
SB1651	685.3 ----	692.7 -----	660.0 ----	667.0 ----
SB1681	675.0 ----	686.0 ----	683.0 ----	686.0 -----
EW3414	684.3 ----	688.7 ----	689.5 -----	671.7 ----
GL187009	681.0 ----	688.3 ----	673.5 ----	654.0 --
Benedictio KWS	688.0 ----	682.0 ----	672.5 ----	660.7 ---
Micheleen	674.7 ----	689.3 ----	652.5 --	657.3 ---
-Bezugsgrösse(n)	669.7 ---	672.8 ----	674.8 -----	662.7 ----
Versuchs-Mittel	680.9 ----	679.7 ----	666.1 ----	664.4 ----
VK [%]	2.5	2.5	2.2	2.8
KGD (5%)	ns	27.5	ns	ns
KGD (1%)	ns	36.6	ns	ns
Versuchs-Streuung	17.1	16.8	14.5	18.7
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	387.6 -----	439.3 -----	405.7 -----	375.7 ---	443.9 -----
Severeen	362.6 ----	439.7 -----	352.8 ----	368.8 ---	362.7 -
Amaroc	363.0 ----	409.0 -----	365.1 -----	367.1 ----	413.5 ----
KWS Robertino	375.6 -----	425.5 -----	391.0 -----	423.1 -----	435.5 -----
LG 31245	360.9 ----	383.3 ---	368.2 ----	387.1 ----	418.0 ----
LG 31272	382.2 -----	416.6 -----	399.0 -----	419.9 -----	405.4 ----
LG 32257	397.5 -----	460.6 -----	378.2 -----	409.0 -----	472.1 -----
P8086	358.4 ----	421.1 -----	363.8 ----	371.8 ---	423.4 ----
SY Solarius	372.7 -----	428.8 -----	351.7 ----	395.5 -----	443.5 -----
KWS Milandro	393.7 -----	433.6 -----	392.0 -----	445.1 -----	466.3 -----
KWS Chiasso	389.3 -----	434.7 -----	427.4 -----	357.5 --	449.0 -----
KWS Gedeco	368.7 ----	419.0 -----	390.0 -----	377.8 ---	407.2 ----
ES Traveler	374.9 -----	437.6 -----	388.9 -----	372.4 ---	449.3 -----
Meluseen	387.2 -----	446.9 -----	377.8 ----	388.9 ---	456.9 -----
LZM271/45	372.7 -----	458.3 -----	373.6 -----	341.4 -	400.3 ---
KXC0018	377.7 -----	416.6 ----	371.4 -----	419.4 -----	425.3 ----
Qualito	355.4 ---	392.7 ----	366.9 ----	382.2 ----	413.5 ----
KXC1146	341.0 -	357.6 -	326.4 --	379.9 ---	441.5 -----
KXC1147	390.6 -----	429.5 -----	419.7 -----	415.7 -----	441.9 -----
KXC1203	359.1 ----	413.4 ----	359.7 ----	402.9 ----	407.8 ----
Fieldplayer	359.2 ----	448.5 -----	335.2 --	416.7 -----	373.7 -
P8436	375.7 -----	436.5 -----	358.4 ----	391.6 ----	453.2 -----
KWS Odorico	398.2 -----	439.6 -----	389.8 -----	430.0 -----	493.4 -----
SA1641	358.6 ----	416.7 ----	314.8 -	412.2 -----	391.5 ---
SB1651	372.5 -----	440.9 -----	337.9 ---	390.2 ----	409.4 ----
SB1681	369.1 -----	426.1 -----	332.1 --	375.0 ---	419.1 ----
EW3414	385.9 -----	435.2 -----	424.9 -----	430.2 -----	417.2 ----
GL187009	383.7 -----	419.3 -----	341.8 ---	475.8 -----	438.5 -----
Benedictio KWS	390.3 -----	448.8 -----	412.9 -----	412.1 ----	438.6 ----
Micheleen	379.1 -----	424.5 -----	390.4 -----	397.2 ----	423.0 ----
-Bezugsgrösse(n)	372.6 -----	412.8 -----	382.0 -----	393.5 ----	409.5 ----
Versuchs-Mittel	374.8 -----	426.7 -----	373.6 -----	397.7 ----	427.8 -----
VK [%]	7.4	6.6	8.8	8.6	8.4
KGD (5%)	16.2	46.1	53.8	55.8	58.7
KGD (1%)	21.3	ns	71.5	74.2	ns
Versuchs-Streuung	27.9	28.2	32.9	34.1	35.9
FG Fehlerterm	427.0	58.0	56.0	58.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	134194.3	29	5.96 ***	1.49	0.0000
Anbauorte	1140397.9	7	209.66 ***	2.03	0.0000
WW Verf.*Anb.Orte	240153.5	203	1.52 ns	1.21	
Fehler	331788.9	427			
Insgesamt	1846534.6	666			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	360.4 -----	372.4 -----	299.4 -----	404.1 -----
Severeen	315.4 ---	385.6 -----	303.5 -----	372.1 ---
Amaroc	327.3 ---	346.7 ---	295.4 ---	380.1 ---
KWS Robertino	336.4 ----	342.1 ----	287.6 ----	363.3 --
LG 31245	324.1 ----	376.3 -----	262.1 ---	368.1 ---
LG 31272	317.3 ---	381.4 -----	320.6 -----	397.5 -----
LG 32257	368.3 -----	360.4 -----	346.0 -----	385.1 -----
P8086	322.9 ----	321.6 ---	287.0 ----	355.2 -
SY Solarius	339.5 ----	365.3 -----	292.5 ----	365.3 --
KWS Milandro	354.4 -----	375.5 -----	308.6 -----	374.1 ----
KWS Chiasso	375.4 -----	377.0 -----	315.3 -----	378.3 ----
KWS Gedeo	334.9 ----	348.0 ----	298.2 ----	374.3 ----
ES Traveler	346.6 ----	344.0 ----	275.9 ---	384.3 -----
Meluseen	369.3 -----	365.8 -----	315.5 -----	376.8 ----
LZM271/45	357.3 -----	366.6 -----	305.7 -----	378.8 ----
KXC0018	351.6 -----	360.1 -----	295.6 -----	381.4 ----
Qualito	324.5 ----	301.5 -	274.5 ----	387.1 -----
KXC1146	296.3 -	325.4 ---	239.6 -	361.2 --
KXC1147	343.4 -----	350.2 -----	334.5 -----	390.0 -----
KXC1203	330.4 ----	329.2 ----	273.7 ----	355.8 -
Fieldplayer	327.9 ----	334.9 ----	276.6 ----	360.1 --
P8436	332.7 ----	359.3 -----	316.2 -----	357.4 -
KWS Odorico	382.9 -----	335.6 ----	302.6 -----	411.9 -----
SA1641	328.5 ---	368.9 -----	281.1 ----	354.8 -
SB1651	355.9 -----	395.5 -----	289.4 ----	361.3 --
SB1681	344.8 -----	363.4 -----	322.1 -----	370.6 ---
EW3414	353.4 -----	354.2 -----	310.7 -----	361.6 --
GL187009	369.9 -----	355.4 -----	293.4 -----	375.8 ----
Benedictio KWS	357.7 -----	344.1 ----	327.4 -----	380.6 ----
Micheleen	347.2 -----	379.5 -----	299.3 -----	371.4 ----
-Bezugsgrösse(n)	322.3 ---	364.1 -----	308.0 -----	388.8 -----
Versuchs-Mittel	343.2 -----	356.2 -----	298.3 -----	374.6 ----
VK [%]	6.3	6.2	6.1	5.0
KGD (5%)	35.3	36.2	37.2	30.8
KGD (1%)	47.0	48.2	50.1	ns
Versuchs-Streuung	21.6	22.2	18.2	18.8
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	176.3 ----	161.6 ---	153.6 ----	169.3 -----	168.6 -----
Severeen	183.2 -----	157.0 ---	168.3 -----	171.7 -----	198.8 -----
Amaroc	183.2 -----	168.6 ----	157.4 ----	173.6 -----	173.8 -----
KWS Robertino	174.4 ---	153.4 --	150.0 ---	148.1 ---	166.4 ----
LG 31245	184.1 -----	178.7 -----	167.8 -----	162.6 -----	169.1 ----
LG 31272	176.3 ----	168.2 ----	148.9 ---	152.1 ----	174.9 -----
LG 32257	170.4 ---	145.5 -	161.6 -----	151.8 ----	145.1 --
P8086	182.5 -----	163.4 ----	157.1 ----	167.5 -----	166.9 ----
SY Solarius	180.0 -----	165.9 ----	167.6 -----	162.5 -----	153.2 ---
KWS Milandro	171.7 ---	161.0 ---	153.6 ----	134.8 --	151.0 ---
KWS Chiasso	166.6 -	149.0 -	139.1 -	171.1 -----	147.2 ---
KWS Gedeco	174.9 ----	154.4 --	147.5 --	162.9 -----	165.2 ----
ES Traveler	180.9 -----	156.5 ---	160.4 ----	171.4 -----	165.7 ----
Meluseen	175.5 ----	153.2 --	163.1 ----	165.9 -----	152.3 ---
LZM271/45	179.0 ----	150.5 -	168.4 -----	179.5 -----	176.8 -----
KXC0018	175.8 ----	158.5 ---	153.8 ----	140.6 ---	168.1 ----
Qualito	185.6 -----	173.7 -----	167.7 -----	161.8 -----	173.7 -----
KXC1146	196.3 -----	202.6 -----	177.7 -----	167.3 -----	176.9 -----
KXC1147	171.9 ---	157.5 ---	142.5 -	144.3 ---	161.5 ----
KXC1203	185.5 -----	168.7 ----	165.0 ----	157.6 ----	176.9 -----
Fieldplayer	179.4 ----	147.5 -	167.7 -----	139.1 ---	191.4 -----
P8436	186.0 -----	170.1 ----	173.0 -----	173.8 -----	164.9 ----
KWS Odorico	164.2 -	145.8 -	154.1 ----	147.3 ---	134.4 -
SA1641	184.8 -----	177.6 ----	184.3 -----	153.0 ----	173.3 ----
SB1651	185.7 -----	170.7 ----	179.6 -----	171.7 -----	184.3 -----
SB1681	185.4 -----	173.8 -----	180.4 -----	181.8 -----	174.8 -----
EW3414	180.3 -----	168.2 ----	152.4 ----	152.9 ----	179.6 -----
GL187009	170.1 --	164.3 ----	159.2 ----	127.8 -	153.6 ----
Benedictio KWS	168.4 --	146.8 -	142.1 -	148.8 ----	152.3 ---
Micheleen	181.1 -----	171.0 ----	160.9 ----	161.7 -----	173.6 -----
-Bezugsgrösse(n)	179.7 ----	168.4 ----	153.1 ----	162.9 -----	174.4 -----
Versuchs-Mittel	178.6 ----	162.8 ----	160.8 ----	159.1 -----	167.1 ----
VK [%]	6.9	7.1	7.0	9.5	10.1
KGD (5%)	7.1	19.0	18.5	24.8	27.7
KGD (1%)	9.4	25.2	24.6	33.0	ns
Versuchs-Streuung	12.3	11.6	11.3	15.2	16.9
FG Fehlerterm	423.0	56.0	56.0	58.0	56.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33404.7	29	7.67 ***	1.50	0.0000
Anbauorte	195311.0	7	185.81 ***	2.03	0.0000
WW Verf.*Anb.Orte	47737.7	203	1.57 ns	1.22	
Fehler	63519.8	423			
Insgesamt	339973.1	662			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
SY Telias	191.6 ----	186.4 ----	195.4 --	184.1 ----
Severeen	197.9 -----	177.4 --	197.0 ---	197.3 -----
Amaroc	199.4 -----	192.2 -----	205.8 -----	194.6 -----
KWS Robertino	192.9 ----	183.4 ---	210.2 -----	191.1 ----
LG 31245	196.5 -----	181.5 ---	214.3 -----	202.1 -----
LG 31272	204.2 -----	181.6 ---	190.9 -	189.8 -----
LG 32257	184.9 ---	190.7 ----	189.0 -	194.2 -----
P8086	198.2 -----	208.8 -----	210.1 -----	187.9 ----
SY Solarius	199.1 -----	187.7 ----	208.2 -----	195.5 -----
KWS Milandro	190.2 ----	182.6 ---	199.6 ---	200.4 -----
KWS Chiasso	173.2 -	173.7 -	196.8 ---	182.9 ----
KWS Gedeo	186.3 ----	187.3 ----	202.8 ----	192.6 -----
ES Traveler	190.5 ----	199.1 -----	213.5 -----	190.1 ----
Meluseen	185.9 ---	189.5 ----	199.5 ---	194.8 -----
LZM271/45	182.7 ---	187.8 ----	197.8 ---	188.4 ----
KXC0018	190.1 ----	184.5 ----	216.4 -----	194.6 -----
Qualito	203.2 -----	209.8 -----	208.2 -----	186.5 ----
KXC1146	213.7 -----	198.9 -----	227.8 -----	205.3 -----
KXC1147	194.2 ----	194.2 ----	192.2 -	188.7 ----
KXC1203	203.4 -----	199.2 -----	211.7 -----	201.4 -----
Fieldplayer	190.0 ----	184.3 ----	218.6 -----	196.2 -----
P8436	201.5 -----	193.1 ----	207.0 ----	204.9 -----
KWS Odorico	173.3 -	186.7 ----	201.2 ----	170.8 -
SA1641	201.7 -----	183.1 ---	208.8 -----	196.5 -----
SB1651	189.7 ----	178.3 --	211.7 -----	200.0 -----
SB1681	194.7 -----	191.2 ----	194.5 --	191.9 -----
EW3414	190.6 ----	196.8 -----	202.0 ----	200.2 -----
GL187009	176.9 --	183.0 ---	196.0 --	199.8 -----
Benedictio KWS	180.8 --	191.0 ----	194.5 --	190.7 ----
Micheleen	184.6 ---	183.1 ---	215.5 -----	198.3 -----
-Bezugsgrösse(n)	201.8 -----	186.9 ----	198.3 ---	192.2 -----
Versuchs-Mittel	192.1 ----	188.9 ----	204.5 -----	193.7 -----
VK [%]	5.5	5.3	3.8	5.3
KGD (5%)	17.2	16.4	16.0	ns
KGD (1%)	22.8	21.8	21.6	ns
Versuchs-Streuung	10.5	10.0	7.8	10.2
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	402.3 ----	380.2 ---	356.8 ---	394.3 -----	398.0 -----
Severeen	430.0 -----	395.0 ----	401.5 -----	414.7 -----	458.9 -----
Amaroc	424.4 -----	411.8 -----	372.5 -----	405.2 -----	413.4 -----
KWS Robertino	404.2 ----	373.1 --	351.7 ---	360.8 ---	395.7 ----
LG 31245	420.5 -----	418.3 -----	374.8 -----	401.1 -----	396.4 ----
LG 31272	409.9 -----	400.3 -----	358.6 ---	362.8 ----	404.4 -----
LG 32257	400.3 ----	366.8 -	378.2 ----	365.5 ----	364.9 ----
P8086	421.0 -----	394.6 ----	372.5 ----	406.7 -----	402.4 -----
SY Solarius	415.0 -----	398.6 ----	380.6 ----	386.6 -----	373.4 ---
KWS Milandro	399.2 ----	388.5 ---	367.6 ----	332.1 --	359.8 ---
KWS Chiasso	395.6 ---	387.5 ---	346.9 --	397.1 -----	354.2 ---
KWS Gedeco	397.4 ----	373.0 --	331.7 -	381.2 -----	386.0 ----
ES Traveler	403.1 ----	376.1 --	377.2 ----	387.8 -----	379.0 ----
Meluseen	407.8 ----	381.9 ---	375.7 ----	394.6 -----	369.4 ----
LZM271/45	414.6 -----	378.3 ---	400.5 -----	417.7 -----	414.6 -----
KXC0018	399.8 ----	380.4 ---	359.2 ---	342.7 ---	387.9 ----
Qualito	421.2 -----	414.4 -----	387.0 -----	383.1 -----	402.9 -----
KXC1146	430.2 -----	464.9 -----	399.0 -----	387.4 -----	389.6 -----
KXC1147	392.6 ---	368.7 --	344.6 --	349.7 ---	371.7 ---
KXC1203	416.9 -----	403.9 -----	393.0 -----	366.8 ----	403.1 -----
Fieldplayer	397.8 ----	361.1 -	382.2 ----	338.2 ---	424.3 -----
P8436	424.8 -----	416.7 -----	409.3 -----	408.2 -----	385.8 ----
KWS Odorico	380.8 -	357.6 -	368.6 ---	350.2 ---	319.5 -
SA1641	421.1 -----	416.1 -----	428.7 -----	377.1 -----	413.9 -----
SB1651	437.8 -----	418.3 -----	435.1 -----	434.3 -----	445.4 -----
SB1681	424.9 -----	408.5 -----	422.5 -----	430.4 -----	413.6 -----
EW3414	415.3 -----	403.2 -----	376.9 -----	365.8 ----	415.4 -----
GL187009	390.1 --	398.6 ----	365.8 ----	315.6 -	371.9 ----
Benedictio KWS	393.0 ---	374.7 --	345.7 --	357.4 ---	347.9 ---
Micheleen	417.1 -----	403.8 -----	382.0 -----	393.4 -----	400.9 -----
-Bezugsgrösse(n)	417.1 -----	406.0 -----	365.6 -----	384.0 -----	408.9 -----
Versuchs-Mittel	410.3 -----	393.8 ----	378.2 ----	380.3 -----	392.2 -----
VK [%]	5.7	6.4	5.9	8.0	7.3
KGD (5%)	13.5	41.0	36.6	49.7	47.0
KGD (1%)	17.8	54.6	48.7	66.1	62.6
Versuchs-Streuung	23.3	25.1	22.4	30.4	28.8
FG Fehlerterm	425.0	56.0	56.0	58.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	130737.6	29	8.28 ***	1.49	0.0000
Anbauorte	477610.5	7	125.32 ***	2.03	0.0000
WW Verf.*Anb.Orte	180862.1	203	1.64 ns	1.22	
Fehler	231395.6	425			
Insgesamt	1020605.8	664			

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	425.8	----	422.0	----	432.1	-	409.5	----
Severeen	445.8	-----	424.1	----	457.2	-----	442.5	-----
Amaroc	445.1	-----	445.3	-----	474.4	-----	427.4	-----
KWS Robertino	434.8	----	426.0	----	478.8	-----	412.6	----
LG 31245	440.3	-----	425.8	----	470.3	-----	436.9	-----
LG 31272	457.3	-----	436.3	-----	441.3	---	418.3	-----
LG 32257	422.2	----	438.5	-----	442.2	---	424.5	-----
P8086	444.8	-----	464.8	-----	475.9	-----	406.7	----
SY Solarius	448.0	-----	435.6	-----	457.1	----	440.1	-----
KWS Milandro	428.5	----	426.0	----	449.7	----	441.6	-----
KWS Chiasso	406.1	--	399.2	-	450.7	----	423.2	-----
KWS Gedeo	414.6	---	418.2	----	448.6	----	425.9	-----
ES Traveler	425.8	----	418.9	----	449.1	----	411.3	----
Meluseen	425.7	----	424.0	----	463.5	-----	428.0	-----
LZM271/45	424.0	----	417.9	----	445.9	----	417.8	----
KXC0018	430.1	-----	397.2	-	475.1	-----	425.8	-----
Qualito	449.4	-----	455.4	-----	460.1	-----	417.0	-----
KXC1146	455.4	-----	425.5	----	480.0	-----	439.8	-----
KXC1147	430.3	----	422.0	----	427.6	-	426.4	-----
KXC1203	450.6	-----	430.5	----	463.4	-----	423.6	-----
Fieldplayer	404.7	-	393.5	-	464.3	-----	414.4	----
P8436	459.9	-----	424.0	----	450.2	----	443.9	-----
KWS Odorico	399.9	-	407.6	---	455.4	----	387.8	-
SA1641	448.8	-----	409.9	---	446.5	----	427.9	-----
SB1651	447.8	-----	414.3	----	464.4	-----	442.6	-----
SB1681	450.1	-----	426.3	----	433.5	--	414.6	----
EW3414	438.8	-----	433.7	-----	448.5	----	439.7	-----
GL187009	409.0	--	407.7	---	435.5	--	416.5	-----
Benedictio KWS	428.8	----	427.2	----	444.7	----	417.9	-----
Micheleen	438.1	-----	405.5	--	483.3	-----	430.1	-----
-Bezugsgrösse(n)	451.2	-----	440.8	-----	457.8	-----	422.9	-----
Versuchs-Mittel	434.3	-----	423.4	-----	455.6	-----	424.5	-----
VK [%]	4.2		5.1		3.2		4.0	
KGD (5%)	29.6		ns		29.4		28.1	
KGD (1%)	39.4		ns		ns		ns	
Versuchs-Streuung	18.1		21.4		14.4		17.2	
FG Fehlerterm	56.0		56.0		29.0		56.0	
Anz. Beob.	3.0		3.0		2.0		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	77.4	83.1	82.1	81.3	69.4
Severeen	77.4	85.5	78.8	81.9	73.4
Amaroc	73.9	79.2	77.4	77.1	70.7
KWS Robertino	78.1	82.5	80.4	84.9	71.6
LG 31245	75.7	80.8	74.8	81.2	73.0
LG 31272	72.3	75.5	78.5	74.2	71.0
LG 32257	76.1	80.4	76.7	81.9	74.7
P8086	76.3	78.4	84.3	79.6	69.0
SY Solarius	74.5	78.3	84.1	80.1	69.8
KWS Milandro	73.8	77.0	75.9	78.6	67.6
KWS Chiasso	75.0	79.8	76.4	76.1	70.4
KWS Gedeo	75.3	79.5	79.7	80.7	69.7
ES Traveler	77.1	83.7	79.1	79.9	69.7
Meluseen	71.4	79.0	69.9	75.6	69.3
LZM271/45	78.1	85.7	82.4	81.2	73.3
KXC0018	75.0	79.9	82.8	77.7	66.3
Qualito	73.7	77.5	76.4	78.1	69.9
KXC1146	76.8	78.3	79.8	80.0	70.3
KXC1147	77.3	81.7	81.2	84.1	73.7
KXC1203	76.0	83.1	79.3	78.3	70.1
Fieldplayer	79.9	88.2	82.9	87.8	69.0
P8436	73.1	76.0	78.3	72.7	69.1
KWS Odorico	78.4	83.6	79.0	84.0	73.1
SA1641	77.0	80.5	80.2	87.6	69.6
SB1651	72.8	77.7	79.8	77.6	64.3
SB1681	76.1	79.3	80.6	84.5	70.6
EW3414	70.7	75.8	72.7	76.6	62.9
GL187009	77.7	84.0	82.4	80.0	69.0
Benedictio KWS	74.6	81.6	77.6	78.1	66.9
Micheleen	76.1	84.5	77.6	79.8	71.3
-Bezugsgrösse(n)	73.1	77.4	78.0	75.6	70.9
Versuchs-Mittel	75.6	80.7	79.0	80.0	70.0
VK [%]	3.6	3.0	4.4	3.5	4.0
KGD (5%)	1.6	3.9	5.7	4.5	4.6
KGD (1%)	2.1	5.2	7.5	6.1	6.1
Versuchs-Streuung	2.8	2.4	3.5	2.8	2.8
FG Fehlerterm	423.0	56.0	56.0	56.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3194.5	29	14.51 ***	1.50	0.0000
Anbauorte	10911.4	7	205.34 ***	2.03	0.0000
WW Verf.*Anb.Orte	3123.3	203	2.03 ***	1.22	0.0003
Fehler	3211.1	423			
Insgesamt	20440.3	662			

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	71.0 -----	76.9 -----	82.1 -----	73.6 ----
Severeen	70.7 -----	74.6 -----	78.9 -----	75.5 -----
Amaroc	67.4 --	73.1 ----	75.0 ----	71.5 ---
KWS Robertino	74.4 -----	76.0 -----	75.5 ----	79.5 -----
LG 31245	71.3 -----	73.0 ----	77.3 -----	74.2 -----
LG 31272	67.6 --	68.5 -	71.5 ---	71.3 ---
LG 32257	72.3 -----	76.4 -----	75.5 ----	71.3 ---
P8086	70.0 ----	73.3 ----	78.4 -----	77.5 -----
SY Solarius	66.2 -	70.9 ---	76.3 -----	70.6 ---
KWS Milandro	68.5 ---	72.9 ----	76.7 -----	73.2 ----
KWS Chiasso	72.7 -----	76.1 -----	73.7 ----	74.6 -----
KWS Gedeo	69.9 ----	74.1 ----	75.4 ----	73.1 ----
ES Traveler	73.3 -----	74.3 ----	78.7 -----	77.9 -----
Meluseen	69.0 ---	68.1 -	68.1 -	72.1 ----
LZM271/45	71.8 -----	75.0 -----	80.4 -----	75.0 -----
KXC0018	66.9 -	75.9 -----	77.0 -----	73.4 ----
Qualito	68.9 ----	70.0 --	76.6 -----	72.6 ----
KXC1146	73.1 -----	76.5 -----	82.3 -----	73.6 ----
KXC1147	71.3 -----	73.2 ----	81.6 -----	71.6 ----
KXC1203	68.8 ----	75.5 -----	77.1 -----	75.9 -----
Fieldplayer	72.5 -----	78.9 -----	82.9 -----	77.2 -----
P8436	69.8 ----	72.4 ----	74.2 ----	72.5 ----
KWS Odorico	73.2 -----	75.6 -----	79.7 -----	78.6 -----
SA1641	67.3 --	73.9 ----	83.4 -----	73.1 ----
SB1651	68.3 ---	69.4 --	76.9 -----	68.3 -
SB1681	69.7 ----	70.4 ---	80.1 -----	73.6 ----
EW3414	67.1 --	69.5 --	71.2 ---	69.7 --
GL187009	74.9 -----	77.1 -----	84.0 -----	70.4 ---
Benedictio KWS	70.6 -----	73.4 ----	74.0 ----	74.9 -----
Micheleen	72.3 -----	75.8 -----	73.4 ----	74.0 -----
-Bezugsgrösse(n)	67.5 --	70.8 ---	73.3 ----	71.4 ---
Versuchs-Mittel	70.4 -----	73.7 -----	77.2 -----	73.7 -----
VK [%]	3.3	3.5	3.5	3.8
KGD (5%)	3.8	4.3	5.6	4.6
KGD (1%)	5.0	5.7	7.5	6.1
Versuchs-Streuung	2.3	2.6	2.7	2.8
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	6.2 ----	6.7 -----	6.5 ----	6.3 ---	6.3 -----
Severeen	6.1 -	6.6 -----	6.4 ---	6.2 --	5.8 -
Amaroc	6.2 ----	6.6 -----	6.7 -----	6.4 ---	6.2 ----
KWS Robertino	6.3 ----	6.8 -----	6.8 -----	6.6 -----	6.3 ----
LG 31245	6.2 ----	6.5 -----	6.6 -----	6.4 ---	6.4 -----
LG 31272	6.3 -----	6.8 -----	6.8 -----	6.6 -----	6.2 ----
LG 32257	6.4 -----	7.0 -----	6.6 -----	6.6 -----	6.7 -----
P8086	6.3 ----	6.9 -----	6.7 -----	6.5 ----	6.4 ----
SY Solarius	6.4 -----	6.8 -----	6.5 ----	6.6 -----	6.7 -----
KWS Milandro	6.3 ----	6.7 -----	6.5 ----	6.9 -----	6.6 -----
KWS Chiasso	6.5 -----	6.8 -----	7.0 -----	6.4 ---	6.6 -----
KWS Gedeo	6.4 -----	6.9 -----	7.0 -----	6.4 ---	6.3 ----
ES Traveler	6.4 ----	6.8 -----	6.7 ----	6.5 ----	6.5 ----
Meluseen	6.5 -----	6.9 -----	6.9 -----	6.6 ----	6.7 -----
LZM271/45	6.3 ----	6.9 -----	6.3 ---	6.3 ---	6.3 ----
KXC0018	6.4 -----	6.8 -----	6.8 -----	6.9 -----	6.4 ----
Qualito	6.2 ---	6.5 ----	6.5 ----	6.5 ----	6.2 ----
KXC1146	6.1 -	6.0 -	6.7 -----	6.4 ---	6.1 ---
KXC1147	6.4 ----	6.8 -----	6.9 -----	6.6 ----	6.4 ----
KXC1203	6.2 --	6.6 ----	6.6 ----	6.5 ----	6.2 ----
Fieldplayer	6.3 ----	6.9 -----	6.4 ---	6.7 -----	6.0 ---
P8436	6.1 --	6.6 ----	6.2 --	6.3 --	6.4 -----
KWS Odorico	6.4 -----	6.9 -----	6.6 ----	6.6 ----	6.8 -----
SA1641	6.3 ----	6.6 ----	6.3 --	6.6 ----	6.4 ----
SB1651	6.2 ---	6.5 ----	6.1 -	6.2 -	6.2 ----
SB1681	6.2 ----	6.5 ----	6.2 --	6.2 -	6.3 ----
EW3414	6.4 -----	6.8 -----	6.7 -----	6.7 -----	6.5 ----
GL187009	6.4 -----	6.7 -----	6.6 ----	6.9 -----	6.7 -----
Benedictio KWS	6.4 -----	6.8 -----	7.0 -----	6.6 ----	6.7 -----
Micheleen	6.2 ----	6.6 ----	6.6 ----	6.4 ----	6.3 ----
-Bezugsgrösse(n)	6.3 ----	6.7 -----	6.8 -----	6.5 ----	6.2 ----
Versuchs-Mittel	6.3 ----	6.7 -----	6.6 ----	6.5 ----	6.4 -----
VK [%]	3.3	3.0	3.3	3.8	3.7
KGD (5%)	0.1	0.3	0.4	0.4	0.4
KGD (1%)	0.2	0.4	0.5	ns	0.5
Versuchs-Streuung	0.2	0.2	0.2	0.2	0.2
FG Fehlerterm	425.0	56.0	56.0	58.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8.3	29	6.49 ***	1.49	0.0000
Anbauorte	51.4	7	165.62 ***	2.03	0.0000
WW Verf.*Anb.Orte	15.2	203	1.69 ***	1.22	0.0009
Fehler	18.8	425			
Insgesamt	93.8	664			

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	6.0 ----	5.9 ---	6.0 -----	5.9 ---
Severeen	6.1 -----	6.1 -----	5.9 ---	5.9 ---
Amaroc	6.1 ----	6.0 ----	6.0 ----	5.9 ----
KWS Robertino	6.1 ----	6.0 ----	5.8 --	5.9 --
LG 31245	6.1 -----	6.2 -----	5.8 --	5.8 -
LG 31272	5.9 --	6.2 -----	6.2 -----	5.9 ----
LG 32257	6.2 -----	6.0 ----	6.2 -----	6.0 ----
P8086	6.1 ----	5.8 -	6.0 ----	6.2 -----
SY Solarius	6.2 ----	6.2 ----	6.0 ----	6.3 -----
KWS Milandro	6.1 ----	6.1 ----	6.0 ----	5.8 --
KWS Chiasso	6.3 -----	6.4 -----	6.1 ----	6.1 -----
KWS Gedeo	6.4 -----	6.3 -----	6.0 ----	5.8 --
ES Traveler	6.2 ----	6.2 ----	6.0 ----	5.9 ---
Meluseen	6.3 ----	6.4 -----	6.3 -----	5.9 ---
LZM271/45	6.3 -----	6.2 ----	6.1 ----	6.1 ----
KXC0018	6.1 ----	6.3 -----	5.9 ---	5.8 --
Qualito	6.0 --	5.9 ---	6.0 ----	6.0 ----
KXC1146	5.9 -	6.1 ----	5.7 -	5.8 -
KXC1147	6.2 ----	6.0 ----	6.0 ----	6.0 ----
KXC1203	5.9 -	5.7 -	5.9 ---	5.8 --
Fieldplayer	6.3 -----	6.2 -----	5.8 --	6.0 ----
P8436	5.9 --	6.0 ----	6.0 ----	5.8 -
KWS Odorico	6.4 -----	6.1 ----	6.0 ----	6.2 -----
SA1641	6.1 ----	6.4 -----	6.0 ----	6.1 ----
SB1651	6.2 ----	6.3 -----	5.9 ---	6.0 ----
SB1681	6.0 ----	6.2 ----	6.2 -----	6.2 -----
EW3414	6.2 ----	6.2 ----	6.3 -----	6.0 ----
GL187009	6.1 ----	6.2 ----	6.1 ----	5.9 ---
Benedictio KWS	6.2 ----	6.1 ----	6.1 ----	5.9 ---
Micheleen	6.1 ----	6.2 -----	5.8 --	5.9 ---
-Bezugsgrösse(n)	6.0 ---	6.1 -----	6.1 -----	5.9 ----
Versuchs-Mittel	6.1 -----	6.1 -----	6.0 ----	6.0 ----
VK [%]	3.1	3.0	2.7	3.4
KGD (5%)	ns	0.3	ns	ns
KGD (1%)	ns	0.4	ns	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	6.3 ----	6.9 -----	6.7 ----	6.5 --	6.5 -----
Severeen	6.2 --	7.0 -----	6.5 ---	6.3 -	5.7 -
Amaroc	6.3 ----	6.8 -----	7.0 -----	6.5 ---	6.3 ----
KWS Robertino	6.4 -----	7.1 -----	7.1 -----	6.8 -----	6.4 ----
LG 31245	6.4 ----	6.7 -----	6.9 -----	6.5 ---	6.6 -----
LG 31272	6.5 -----	7.1 -----	7.1 -----	6.9 -----	6.4 ----
LG 32257	6.6 -----	7.4 -----	6.8 ----	6.9 -----	7.0 -----
P8086	6.5 ----	7.2 -----	7.0 ----	6.6 ----	6.6 ----
SY Solarius	6.6 -----	7.1 -----	6.7 ----	6.9 -----	7.0 ----
KWS Milandro	6.5 -----	7.0 ----	6.8 ----	7.2 -----	6.9 -----
KWS Chiasso	6.7 -----	7.1 ----	7.4 -----	6.5 ---	6.9 -----
KWS Gedeo	6.6 -----	7.1 ----	7.4 -----	6.6 ----	6.5 ----
ES Traveler	6.5 ----	7.1 ----	7.0 ----	6.8 ----	6.7 ----
Meluseen	6.7 -----	7.3 -----	7.2 -----	6.8 ----	7.0 -----
LZM271/45	6.5 ----	7.2 -----	6.5 ---	6.4 --	6.4 ----
KXC0018	6.6 -----	7.1 ----	7.2 -----	7.2 -----	6.6 ----
Qualito	6.3 ---	6.7 ----	6.7 ----	6.7 ----	6.4 ----
KXC1146	6.2 -	6.1 -	6.9 ----	6.6 ----	6.2 ----
KXC1147	6.5 -----	7.1 ----	7.1 ----	6.8 ----	6.6 ----
KXC1203	6.3 --	6.9 ----	6.8 ----	6.7 ----	6.4 ----
Fieldplayer	6.4 ----	7.2 -----	6.6 ----	7.0 -----	6.0 ---
P8436	6.3 --	6.8 ----	6.4 --	6.4 --	6.6 -----
KWS Odorico	6.6 -----	7.3 -----	6.9 ----	6.9 ----	7.1 -----
SA1641	6.5 ----	6.8 ----	6.4 --	6.9 ----	6.6 ----
SB1651	6.3 ---	6.7 ----	6.2 -	6.3 -	6.4 ----
SB1681	6.4 ----	6.8 ----	6.4 --	6.3 -	6.5 ----
EW3414	6.6 -----	7.2 -----	7.0 ----	6.9 ----	6.7 ----
GL187009	6.6 -----	7.0 ----	6.9 ----	7.2 -----	7.0 -----
Benedictio KWS	6.6 -----	7.1 ----	7.3 -----	6.9 ----	7.0 -----
Micheleen	6.4 ----	6.8 ----	6.8 ----	6.6 ----	6.4 ----
-Bezugsgrösse(n)	6.4 ----	7.0 -----	7.1 -----	6.7 ----	6.4 ----
Versuchs-Mittel	6.5 ----	7.0 ----	6.9 ----	6.7 ----	6.6 ----
VK [%]	4.2	3.7	4.2	4.8	4.9
KGD (5%)	0.2	0.4	0.5	0.5	0.5
KGD (1%)	0.2	0.6	0.6	ns	0.7
Versuchs-Streuung	0.3	0.3	0.3	0.3	0.3
FG Fehlerterm	425.0	56.0	56.0	58.0	58.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13.8	29	6.41 ***	1.49	0.0000
Anbauorte	86.4	7	165.93 ***	2.03	0.0000
WW Verf.*Anb.Orte	25.5	203	1.69 ***	1.22	0.0009
Fehler	31.6	425			
Insgesamt	157.3	664			

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	6.1 ----	5.9 --	6.1 -----	5.9 --
Severeen	6.2 -----	6.1 -----	5.9 ---	5.9 ---
Amaroc	6.2 ----	6.0 ---	6.0 ----	6.0 ---
KWS Robertino	6.1 ----	6.1 ----	5.9 ---	5.9 --
LG 31245	6.2 -----	6.3 -----	5.9 ---	5.8 -
LG 31272	6.0 --	6.2 -----	6.3 -----	6.0 ----
LG 32257	6.4 -----	6.1 ----	6.3 -----	6.0 ----
P8086	6.2 ----	5.8 -	6.0 ----	6.3 -----
SY Solarius	6.3 -----	6.3 -----	6.1 ----	6.4 -----
KWS Milandro	6.2 ----	6.2 -----	6.0 ----	5.8 -
KWS Chiasso	6.5 -----	6.5 -----	6.2 -----	6.3 -----
KWS Gedeo	6.6 -----	6.4 -----	6.0 ----	5.8 -
ES Traveler	6.3 ----	6.3 ----	6.1 ----	5.9 --
Meluseen	6.4 ----	6.6 -----	6.4 -----	6.0 ---
LZM271/45	6.5 -----	6.3 ----	6.2 -----	6.2 -----
KXC0018	6.2 ----	6.5 -----	5.9 ---	5.9 --
Qualito	6.0 --	5.9 --	6.0 ----	6.1 ----
KXC1146	5.9 -	6.2 ----	5.7 -	5.8 -
KXC1147	6.3 ----	6.1 ----	6.1 ----	6.1 ----
KXC1203	5.9 -	5.8 -	5.9 ---	5.9 --
Fieldplayer	6.4 -----	6.4 -----	5.8 -	6.0 ----
P8436	6.0 --	6.0 ----	6.1 -----	5.8 -
KWS Odorico	6.5 -----	6.2 ----	6.0 ----	6.3 -----
SA1641	6.2 ---	6.5 -----	6.1 ----	6.1 ----
SB1651	6.3 ----	6.4 -----	6.0 ----	6.1 ----
SB1681	6.1 ----	6.3 -----	6.3 -----	6.3 -----
EW3414	6.3 ----	6.3 -----	6.4 -----	6.1 ----
GL187009	6.2 ----	6.4 -----	6.2 -----	5.9 --
Benedictio KWS	6.3 ----	6.2 ----	6.2 -----	6.0 ---
Micheleen	6.2 ----	6.4 -----	5.9 ---	5.9 --
-Bezugsgrösse(n)	6.1 ---	6.1 ----	6.1 -----	6.0 ----
Versuchs-Mittel	6.2 -----	6.2 -----	6.0 ----	6.0 ----
VK [%]	3.8	3.8	3.3	4.3
KGD (5%)	0.4	0.4	ns	ns
KGD (1%)	ns	0.5	ns	ns
Versuchs-Streuung	0.2	0.2	0.2	0.3
FG Fehlerterm	56.0	56.0	29.0	56.0
Anz. Beob.	3.0	3.0	2.0	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	2022	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	03.05.2022	17.08.2022
1567	Delley (Avenches)	432	17.05.2022	nicht geerntet / pas récolté †
1896	Vouvry	404	27.04.2022	13.09.2022
3065	Habstetten	690	10.05.2022	22.09.2022
8046	Reckenholz	440	16.05.2022	07.09.2022
8196	Eglisau	395	18.05.2022	06.09.2022
8566	Ellighausen	503	12.05.2022	05.09.2022
9436	Balgach	408	20.05.2022	21.09.2022

† Keine Daten für Auswertung berücksichtigt / Aucune information prise 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
P8666	X80H166	SC	Pioneer	Pioneer, Versoix		SM21/S
P8888	X85H899	SC	Pioneer	Pioneer, Versoix		SM21/S
SY Glorius	SA1826	SC	Syngenta, CH	Syngenta, Stein		SM21/S
SY Enermax	SC2685	SC	Syngenta, CH	Syngenta, Stein		SM21/S
KWS Shako	KXB8202	SC	KWS, Einbeck	KWS Suisse SA, Basel		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
Purple	SM J0709	SC	DSV, D	Fenaco, Moudon		SM21/e2
KWS Editio	KXC0337	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e2	SM21/e2
	DFI7ZM3E734	TC	DSP, Delley			SM21/2.
	LZM371/37	SC	Limagrain, Europe	Fenaco, Moudon		SM21/e1
Bismark	SMH 0344	SC	agaSAAT, D	Eric Schweizer AG,		SM21/e1
	KXC1211	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
(Consilio)	KXC1329	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
(Fortello)	KXC1332	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM21/e1
	KXC1347	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM21/e1
	KXC1368	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e1
P9367	X95R248	SC	Pioneer	Pioneer, Versoix	KM21/e1	SM21/e1
P9639	X95R265	SC	Pioneer	Pioneer, Versoix		SM21/e1
	SC3360	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21/e1
Mendy	ESZ9402	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM21/e1
SU Crumber	SG 125	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM21/e1
P9911	X00B109	SC	Pioneer	Pioneer, Versoix		SM21/T
LG 31280	LZM 267/33	SC	Limagrain, Europe	Fenaco, Moudon		SM21/T
LG 31479		SC	Limagrain, Europe	Fenaco, Moudon		SM21/T
P8834	X90M326	SC	Pioneer	Pioneer, Versoix	KM21/S	SM21/T
P9363	S90K696	SC	Pioneer	Pioneer, Versoix		SM21/T
KWS Inteligens	KXB8383	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/T
KWS Haiko	KXB9201	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/T

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

Technische Versuchsausgaben / données techniques / technical information										
Standort / lieu / site:	Nyon (420 m ü.M.)	Avenches (433 m ü.M.)	Vouvry (380 m ü.M.)	Habstetten (690 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Eilighausen (503m ü.M.)	Belgach (408m ü.M.)		
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Limono sableux (argile 22% - MO 2% - pH 8,0)	Sandiger Lehm, pH 6,2	Braunerde	Parabraunerde	Braunerde	lehreicher Sand / Schluff		
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):	Pluviométrie: 111 mm (Station: Changins) Somme degrés-jours: 1650 (Station: Changins) Irrigation: 235mm	-	Pluviométrie : 287 mm (station Aglie) Somme degrés-jours : 2108 °C (station Aglie)	Pluviométrie :455 mm (Météostation Zschwil) Somme degrés-jours : 1633 °C (Météostation Zschwil)	257.1 mm (Météostation Reckenholz) 1787,65 °C (Météostation Reckenholz)	304,5 mm (Météostation Wll) 1584,3 °C (Météostation Wll)	313 mm (Météostation Eilighausen) 1551.1 °C (Météostation Eilighausen)	222.3 mm (Météostation Kriessern) 1675.3 °C (Météostation Kriessern)		
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 m ² brutto), 10m ² netto	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), 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		
Vorrucht / précédent cultural / previous crop:	luzerne	Blé d'automne, UFA Leifa	blé	orge	Kunstwiese / prairie temporaire / temporary grassland	Winterweizen / Phacelia OHS	Winterweizen / Phacelia	Kartoffeln, Zwischenfrucht: Gerste Erbsen sillert		
Bodenbearbeitung / travail du sol / soil cultivation:	Labour 28.04.2022 herse à disque 29.04.2022 herse rotative 02.05.2022	04.05.2022: Labour + Vibroculteur	Pflug und Kreiselegge / charrue et herse rotative / rotary harrow 03.22. et 25.04.	Pflug und Kreiselegge / charrue et herse rotative / rotary harrow 16.04. et 2.05.	10.05.22 Pflug + Eggen, 16.05.22 Kreiselegge	16.04.22 Pflug, 17.05.22 Kreiselegge	15.04.22 Pflug, 17.04.22 Kulturegge, 10.05.22 x Kreiselegge	10.05.22 Spaten und 12.05.22 erster Durchgang mit Fräse und 19.05.22 zweiter Durchgang mit Fräse		
Saat / date de semis / sowing date:	02.05.22 (jour 123)	17.05.2022 (jour 137)	27.04.2022 (jour 117)	10.05.22 (jour 130)	16.05.2022 (jour 136)	18.05.2022 (jour 138)	12.05.2022 (jour 132)	20.05.2022 (jour 140)		
Ernte / date de récolte / harvest date:	17.06.22 (jour 229)	PAS DE RECOLTE	12.09.22 (HD) et 13.09.22 (LD) jours 255 et 256	22.09.22 (jour 265)	07.09.22 (jour 250)	06.09.21 (jour 249)	05.09.2022 (jour 248)	21.09.2022 (jour 264)		
Saadichte / densité de semis / sowing density:	9,1 Körner / grains pro m ²	Semés: 11,9 grains pro m ² , éclairci à 9,1 plantes/m ²	9,1 (SM21HD) Körner / grains pro m ² et 8,0 Körner / grains pro m ² (SM 21 LD)	9,1 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	9,0 Körner / grains pro m ²		
Vegetationsdauer / durée de vegetation / growing period	106 Tage / jours / days	-	138 (SM21HD) et 139 (SM21 LD) Tage / jours / days	135 Tage / jours / days	113 Tage / jours / days	112 Tage / jours / days	116 Tage / jours / day	123 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:	-	-	-	-	14.06.22 Hacken gekoppelt mit Düngung	-	-	02.06.22 mit Reihenfräse, 24.06.22 Hackdurchgang		

Standort / lieu / site:	Nyon (420 m ü.M.)	Avenches (433 m ü.M.)	Vouvry (380 m ü.M.)	Habsbettein (690 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503m ü.M.)	Balgach (408m ü.M.)
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Gardo Gold 4 l/ha, BanvelAS 0.5 l/ha, Elumits 1,3 l/ha (25.05.2022)	13.05.2022: Elumits 0.8 l/ha + Spectrum 0.5 l/ha	21.05.21 Elumits 1,2l/ha et Gardo Gold 2l/ha	31.05.22 Elumits 1,2 l / ha Gardo Gold 2,4 l / ha	16.05.22 Aspect 2l/ha + Laudis 2,1l/ha	27.05.22 3l/ha Spectrum Gold BASF W-6696	02.06.22 1,5l/ha Aspect + 2l/ha Laudis	15.06.22 Hector Max 400g/ha Gondor 0,5l/ha, 23.06.22 Titus 40 g/ha, Gondor 0,5l/ha
Grunddüngung / fumure de base / basic fertilisation:	compost 49 m3/ha 20.20.40 (10.03.2022); 98N 99 P2O5 198 K2O	26.10.2021: Digesta-40m3/ha (121 U/ha N, 61 U/ha P, 170 U/ha K)	500 kg/ha (Landor 13,9,16), 18.04.22: 65 kg N/ha, 45 kg P2O5/ha, 80 kg K2O/ha	14.04.22: Kall 60 %: 200 kg/ha; Granulphos 17 %: 300 kg/ha = 51 kg P/ha, 120 kg K/ha	18.11.22 Kompost 50t, 11.05.22 Perika Kalkstickstoff 4dt/ha (79,2 kg N/ha)	17.05.22 209kg/ha Landor 0,20,30 (41 kg P2O5/ha)	25.08.21 30m3 Rindergülle 1:1 (1200kg N/ha)	12.05.22 Hennemist 5t/ha (132kg N/ha 95kg P/ha); Rindergülle 45 m3 Rindergülle 1:1 verdünnt
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacque (28,04.22); 222 kg N/ha = 60 kg N/ha; Urée perle 46% (31.05.22); 190 kg N/ha = 87kg N/ha	13.05.2022: Harnstoff (190 U/ha N)	350 kg/ha (Entec 26%), 23.05.22 91 kg N/ha	21.05.22: 38 kg N/ha (ammonitrate 27,5%); 06.06.22: 75 kg N/ha (Harnstoff 46%)	14.06.22 Harnstoff 130 kg/ha (59,8 kg N/ha)	17.05.22 209kg/ha Harnstoff 46% (96 kg N/ha)	19.05.22 Ammonsalpeter (40kg N/ha), 05.06.2022 Ammonsalpeter (200kg N/ha)	11.05.22 Perika Kalkstickstoff 19,8N 400kg/ha (79kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	02.05.22 160,1kg N/ha (0-60cm)	-	-	04.05.22 60,8kg N/ha (0-60cm)	16.05.2022 116,2kg N/ha	18.05.22 51,2kg N/ha (0-60cm)	12.05.22 173kg N/ha	-
Ernte / Récolte / harvest:	Baural Maishäckeler / ensileuse	-	Baural Maishäckeler / ensileuse	Baural Maishäckeler / ensileuse	New Holland Versuchsmaishäckeler	New Holland Versuchsmaishäckeler	New Holland Versuchsmaishäckeler	New Holland Versuchsmaishäckeler

4.3.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellaag.		Wurzellaag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon.		Agron.		Gesamt- index	
						Veg.	Ernte				Index	Index	Index	Index	Index	Index
KXC1368	e1	-2.75	2.51	1.94	-0.02	0.15	0.92	-0.03	0.22	-0.24	3.18	2.94				
SY Antora	S	1.85	2.87	-0.62	-0.08	-0.60	-1.96	0.03	-0.16	4.72	-3.39	1.33				
SC3360	e1	-0.87	4.07	1.05	-0.05	0.45	2.03	0.03	0.34	-4.94	3.85	-1.09				
KWS Sabino	S	-1.85	-2.87	0.62	0.08	0.60	1.96	-0.03	0.16	-4.72	3.39	-1.33				
P9610	S	-6.39	3.50	-1.63	-0.08	0.15	1.88	0.03	0.33	-2.89	0.68	-2.21				
SU Crumber	e1	-0.13	-0.90	-2.21	-0.24	0.60	0.27	-0.03	0.22	-1.03	-1.39	-2.42				
KXC1211	e1	-5.44	-0.89	1.12	-0.05	0.45	1.62	0.03	-0.06	-6.33	3.11	-3.22				
KWS Editio	e2	-2.60	-3.65	0.34	-0.11	0.30	2.01	-0.04	-0.36	-6.25	2.14	-4.11				
SY Emermax	S	-7.92	-0.02	0.49	-0.04	0.60	2.34	0.03	0.36	-7.94	3.78	-4.16				
P9363	T	-7.28	2.47	-2.89	-0.02	0.60	2.00	0.03	0.25	-4.81	-0.03	-4.84				
Consilio	e1	-5.62	-2.38	1.48	-0.17	0.30	0.99	-0.03	0.19	-8.00	2.76	-5.24				
KWS Haiko	T	-4.28	-1.56	1.75	-0.15	0.30	-2.62	0.03	0.18	-5.84	-0.51	-6.35				
Mendy	e1	-8.07	4.26	-4.06	-0.08	0.45	0.16	0.03	0.23	-3.81	-3.27	-7.08				
KXC1347	e1	-6.04	-3.04	-0.98	0.08	0.60	2.05	0.03	0.11	-9.08	1.89	-7.19				
P9367	e1	-10.57	1.97	-2.12	-0.13	0.60	1.93	0.03	0.20	-8.60	0.51	-8.09				
LG 31280	T	-5.59	-2.23	0.79	-0.08	0.30	-1.44	0.03	-0.13	-7.82	-0.53	-8.35				
Bismark	e1	1.61	-5.90	0.77	-0.02	-0.15	-5.06	0.03	0.06	-4.29	-4.37	-8.66				
P8834	T	-6.11	-4.76	-1.44	-0.01	0.60	1.45	0.03	0.20	-10.87	0.83	-10.04				
Fortello	e1	-7.52	-5.29	-0.18	0.01	0.60	1.85	-0.09	0.25	-12.81	2.44	-10.37				
LZM371/37	e1	-2.00	2.68	-1.66	-0.13	-0.45	-9.17	-0.16	-0.01	0.68	-11.58	-10.90				
P9639	e1	-8.47	-1.21	-3.89	0.04	0.60	1.29	0.03	0.28	-9.68	-1.65	-11.33				
KWS Intelligens	T	-10.98	2.02	-4.39	-0.04	0.15	1.30	0.03	0.24	-8.96	-2.71	-11.67				
P8888	S	-11.05	0.16	-0.74	-0.07	0.60	-2.95	0.03	0.15	-10.89	-2.98	-13.87				
KWS Shako	S	-11.86	-1.75	-2.24	-0.09	0.45	1.28	0.03	-0.09	-13.61	-0.66	-14.27				
SY Glorius	S	-12.45	-3.66	0.74	0.02	0.15	-2.55	0.03	0.14	-16.11	-1.47	-17.58				
LG 31479	T	-7.74	-7.52	-6.05	-0.11	0.60	2.03	-0.16	-0.20	-15.26	-3.89	-19.15				
P8666	S	-13.76	-4.22	0.71	0.10	0.30	-4.15	0.03	-0.17	-17.98	-3.18	-21.16				
DFITZM3E734	2	-9.69	-6.46	0.44	-0.16	-0.30	-5.71	0.03	0.31	-16.15	-5.39	-21.54				
P9911	T	-14.28	-4.56	-6.63	-0.05	0.60	1.82	0.03	0.23	-18.84	-4.00	-22.84				
Purple	e2	-14.83	-3.77	-4.47	0.04	0.45	-7.51	0.03	0.12	-18.60	-11.34	-29.94				
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anz. Beob.		20	20	20	17	6	5	3	12							
Anz. Orte		7	7	7	6	2	2	1	4							
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25							

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 %	Wurzel- lager Veg. %	Wurzel- lager Ernte %	Stängel- bruch Ernte %
P8666	4.4	69.5	68.4	268.4	132.2	49.3	4.2	30.6	0.0
P8888	4.8	68.4	67.1	291.6	139.5	47.9	0.0	25.0	0.0
SY Glorius	4.6	65.8	64.2	278.7	134.6	47.6	6.3	23.1	0.0
SY Enermax	4.8	68.6	67.1	292.0	133.3	45.6	0.0	0.3	0.0
KWS Shako	4.9	68.6	66.9	304.7	137.5	45.0	2.1	5.2	0.0
KWS Sabino	4.5	70.4	68.8	270.8	123.8	45.7	0.0	2.1	0.6
SY Amfora	4.9	67.6	65.9	285.9	127.2	44.3	16.7	20.3	0.0
P9610	4.9	69.9	68.3	278.0	136.0	48.7	6.3	2.4	0.0
Purple	4.6	67.5	65.8	285.9	134.8	47.0	2.1	46.2	0.0
KWS Editio	4.9	66.8	65.2	289.5	126.1	43.3	4.2	1.8	0.6
DFI7ZM3E734	5.1	68.3	66.2	312.4	143.8	46.1	12.5	37.8	0.0
LZM371/37	5.0	66.3	65.1	288.4	144.0	49.8	14.6	54.0	1.8
Bismark	4.7	65.4	64.8	255.0	111.3	43.4	10.4	34.8	0.0
KXC1211	4.8	67.3	65.9	289.5	127.9	44.1	2.1	3.6	0.0
Consilio	5.1	66.3	64.8	293.3	143.6	49.0	4.2	6.6	0.5
Fortello	4.7	68.0	66.7	294.7	137.5	46.6	0.0	2.6	1.1
KXC1347	4.5	68.2	66.7	268.8	120.4	45.0	0.0	1.7	0.0
KXC1368	4.7	67.5	66.4	278.8	136.4	48.7	6.3	6.9	0.6
P9367	5.0	68.8	67.3	289.7	135.6	46.9	0.0	2.2	0.0
P9639	4.6	71.4	69.9	284.3	137.3	48.2	0.0	5.2	0.0
SC3360	4.8	69.1	67.8	282.2	135.8	48.1	2.1	1.7	0.0
Mendy	4.9	71.3	70.0	297.6	147.0	49.3	2.1	10.5	0.0
SU Crumber	5.3	68.3	67.0	278.9	123.9	44.6	0.0	10.0	0.6
P9911	4.8	72.1	70.8	266.8	135.9	50.8	0.0	2.7	0.0
LG 31280	4.9	65.8	64.2	289.7	121.7	41.9	4.2	17.9	0.0
LG 31479	4.9	72.9	70.8	296.6	141.6	47.7	0.0	1.7	1.8
P8834	4.7	69.0	67.5	267.6	139.8	52.2	0.0	4.5	0.0
P9363	4.7	70.6	69.4	279.2	133.5	47.9	0.0	1.9	0.0
KWS Inteligens	4.8	70.4	68.3	284.3	116.1	40.9	6.3	5.1	0.0
KWS Haiko	5.0	68.2	66.8	275.0	130.6	47.6	4.2	23.4	0.0
Bezugsgrösse(n)	4.7	69.0	67.3	278.3	125.5	45.0	8.3	11.2	0.3
Versuchs-Mittel	4.8	68.6	67.1	283.9	132.9	46.8	3.7	13.1	0.3
VK [%]	17.2	1.9	1.8	3.3	10.6	9.7	140.3	69.3	282.5
KGD (5%)		1.0	1.0	7.6	11.3	3.7	5.9	11.4	
KGD (1%)		1.4	1.3	10.0	14.9	4.8	7.8	15.1	
Versuchs-	0.8	1.3	1.2	9.4	14.1	4.5	5.2	9.1	0.7
FG Fehlerterm	308.0	227.0	227.0	227.0	229.0	229.0	114.0	85.0	58.0
Anz. Beob.	17.0	12.0	12.0	12.0	12.0	12.0	6.0	5.0	3.0
Anz. Orte	6.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	1.0
Minimum	4.4	65.4	64.2	255.0	111.3	40.9	0.0	0.3	0.0
Maximum	5.3	72.9	70.8	312.4	147.0	52.2	16.7	54.0	1.8

Sorten Bezeichnung	Beulen- brand %	Mais- zünsler %	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
P8666	3.7	1.1	8.2	612.9	213.6	36.2	142.7	76.3
P8888	1.5	0.0	7.9	659.9	222.4	35.1	150.3	77.7
SY Glorius	1.5	0.0	8.0	610.2	214.8	36.3	144.6	80.8
SY Enermax	0.0	0.0	8.2	635.8	222.0	36.1	152.2	85.8
KWS Shako	3.2	0.0	8.2	667.8	218.6	33.9	147.5	77.6
KWS Sabino	1.4	0.0	8.3	623.2	216.3	36.2	151.3	86.6
SY Amfora	3.6	0.0	8.3	662.4	227.8	35.2	161.6	89.3
P9610	0.2	0.0	8.3	686.1	229.1	34.4	157.7	88.9
Purple	1.6	0.0	8.0	686.5	214.5	32.1	143.6	79.3
KWS Editio	5.0	0.0	8.5	614.9	214.8	35.9	149.6	87.1
DFI7ZM3E734	0.3	0.0	8.3	606.5	209.1	36.0	142.1	75.3
LZM371/37	2.6	0.0	8.5	674.6	227.4	34.4	159.6	88.8
Bismark	2.1	0.0	8.1	602.9	210.3	36.3	148.7	88.2
KXC1211	3.0	0.0	8.5	622.3	220.3	36.6	152.3	87.0
Consilio	1.2	0.0	8.5	605.2	217.3	36.9	149.9	84.9
Fortello	0.7	0.0	8.4	610.3	211.5	35.5	145.1	81.4
KXC1347	1.8	0.0	8.4	642.8	216.0	34.9	148.9	88.2
KXC1368	1.0	0.0	8.2	631.2	227.1	37.2	158.5	88.3
P9367	1.1	0.0	8.3	685.1	226.0	34.0	153.7	85.6
P9639	0.5	0.0	8.1	699.7	219.7	32.6	150.1	79.5
SC3360	0.1	0.0	8.3	610.8	213.9	36.5	150.2	85.3
Mendy	0.9	0.0	7.9	727.4	230.6	32.4	158.1	85.5
SU Crumber	1.0	0.0	7.3	666.4	220.3	33.9	155.1	87.9
P9911	0.9	0.0	7.8	716.2	213.0	30.4	143.0	75.2
LG 31280	3.4	0.0	8.0	622.8	217.6	36.3	150.4	89.1
LG 31479	3.9	0.0	8.0	684.1	207.0	30.8	142.1	71.2
P8834	1.1	0.0	8.4	634.9	212.5	34.5	147.1	81.1
P9363	0.8	0.0	8.4	701.3	227.0	33.4	156.1	85.3
KWS Inteligens	0.8	0.0	8.4	720.1	226.1	32.2	153.4	78.4
KWS Haiko	1.2	0.0	8.4	611.5	218.9	37.1	152.3	86.3
Bezugsgrösse(n)	2.5	0.0	8.3	642.8	222.1	35.7	156.4	87.9
Versuchs-Mittel	1.7	0.0	8.2	651.2	218.9	34.8	150.6	83.4
VK [%]	108.3	948.7	6.4	6.5	6.8	4.7	8.5	11.5
KGD (5%)	1.5		0.3	26.4	9.3	1.0	7.9	6.0
KGD (1%)	1.9		0.4	34.8	12.3	1.3	10.5	7.9
Versuchs-	1.8	0.3	0.5	42.5	15.0	1.6	12.8	9.6
FG Fehlerterm	227.0	58.0	368.0	364.0	366.0	366.0	366.0	366.0
Anz. Beob.	12.0	3.0	20.0	20.0	20.0	20.0	20.0	20.0
Anz. Orte	4.0	1.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	0.0	0.0	7.3	602.9	207.0	30.4	142.1	71.2
Maximum	5.0	1.1	8.5	727.4	230.6	37.2	161.6	89.3

Sorten Bezeichnung	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/ kg TS	NEV Gehalt MJ/ kg TS
P8666	668.8	358.8	192.9	451.2	78.3	6.0	6.1
P8888	675.6	349.6	192.2	440.3	78.6	6.1	6.2
SY Glorius	672.1	374.6	188.9	427.9	79.2	6.1	6.1
SY Enermax	683.4	383.0	185.3	425.8	74.0	6.2	6.3
KWS Shako	673.6	352.3	194.8	436.4	74.6	6.1	6.1
KWS Sabino	698.6	398.6	178.6	414.7	73.6	6.3	6.5
SY Amfora	707.8	389.8	178.7	411.9	74.6	6.4	6.6
P9610	687.2	384.4	189.8	430.9	71.5	6.2	6.3
Purple	666.1	365.6	187.3	421.5	80.4	6.0	6.0
KWS Editio	696.7	404.7	170.5	391.0	77.0	6.3	6.5
DFI7ZM3E734	679.0	359.2	184.2	419.2	81.4	6.1	6.2
LZM371/37	698.2	388.8	174.6	407.6	78.1	6.3	6.5
Bismark	707.2	417.7	161.6	373.3	82.0	6.4	6.6
KXC1211	689.6	393.2	174.9	399.1	78.7	6.2	6.4
Consilio	689.2	387.7	170.4	379.0	82.8	6.2	6.4
Fortello	684.4	381.6	178.7	409.1	78.3	6.2	6.3
KXC1347	688.1	406.0	174.2	417.0	75.8	6.2	6.4
KXC1368	696.3	386.7	180.6	426.6	70.8	6.3	6.5
P9367	676.8	373.7	191.1	438.9	72.5	6.1	6.2
P9639	682.0	358.7	195.7	441.5	71.4	6.2	6.3
SC3360	701.0	396.5	180.9	423.1	69.8	6.4	6.5
Mendy	683.0	365.8	190.9	430.5	75.2	6.2	6.3
SU Crumber	702.9	395.6	170.1	388.0	77.1	6.4	6.6
P9911	667.5	348.1	201.3	446.6	75.7	6.0	6.1
LG 31280	689.2	407.5	170.3	395.3	80.9	6.2	6.4
LG 31479	683.9	339.4	196.3	441.9	73.5	6.2	6.3
P8834	687.9	375.9	188.4	436.0	73.4	6.2	6.4
P9363	685.0	372.4	189.3	424.1	72.8	6.2	6.3
KWS Inteligens	675.8	342.1	197.3	440.3	74.8	6.1	6.2
KWS Haiko	692.5	391.9	173.0	404.3	76.5	6.3	6.4
Bezugsgrösse(n)	703.2	394.2	178.6	413.3	74.1	6.4	6.6
Versuchs-Mittel	686.3	378.3	183.4	419.8	76.1	6.2	6.3
VK [%]	3.0	7.3	7.1	5.8	4.0	3.6	4.6
KGD (5%)	12.6	17.1	8.1	15.0	1.9	0.1	0.2
KGD (1%)	16.7	22.5	10.6	19.8	2.5	0.2	0.2
Versuchs-	20.3	27.5	13.0	24.2	3.0	0.2	0.3
FG Fehlerterm	366.0	366.0	368.0	368.0	366.0	366.0	366.0
Anz. Beob.	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	666.1	339.4	161.6	373.3	69.8	6.0	6.0
Maximum	707.8	417.7	201.3	451.2	82.8	6.4	6.6

4.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	4.4 -	5.3 ---	3.3 --	4.7 ---	4.7 -----
P8888	4.8 -----	6.0 -----	5.0 -----	5.3 -----	4.3 -----
SY Glorius	4.6 ---	7.0 -----	4.3 -----	6.0 -----	3.0 -
SY Enermax	4.8 -----	5.3 ---	5.0 -----	5.0 -----	4.7 -----
KWS Shako	4.9 -----	5.7 -----	5.0 -----	5.3 -----	4.0 -----
KWS Sabino	4.5 -	5.3 ---	3.3 --	5.0 -----	4.0 -----
SY Amfora	4.9 -----	5.7 -----	5.7 -----	6.0 -----	4.0 -----
P9610	4.9 -----	5.7 -----	5.0 -----	5.0 -----	4.3 -----
Purple	4.6 --	5.5 ---	5.7 -----	5.3 -----	3.3 --
KWS Editio	4.9 -----	5.3 ---	5.3 -----	5.3 -----	4.3 -----
DFI7ZM3E734	5.1 -----	6.3 -----	6.3 -----	6.0 -----	3.3 --
LZM371/37	5.0 -----	6.3 -----	5.3 -----	5.7 -----	4.0 -----
Bismark	4.7 ---	5.7 -----	5.7 -----	5.3 -----	3.7 ---
KXC1211	4.8 -----	6.0 -----	3.7 ---	5.3 -----	4.3 -----
Consilio	5.1 -----	6.7 -----	6.3 -----	6.0 -----	3.7 ---
Fortello	4.7 ---	5.0 --	3.0 --	5.0 -----	5.3 -----
KXC1347	4.5 -	5.7 -----	3.7 ---	5.0 -----	4.7 -----
KXC1368	4.7 ---	5.7 -----	5.0 -----	5.0 -----	4.3 -----
P9367	5.0 -----	5.3 ---	5.0 -----	5.0 -----	5.0 -----
P9639	4.6 --	4.7 -	2.7 -	4.7 ---	5.0 -----
SC3360	4.8 -----	5.0 --	5.0 -----	5.0 -----	4.7 -----
Mendy	4.9 -----	5.0 --	5.7 -----	5.3 -----	4.7 -----
SU Crumber	5.3 -----	6.0 -----	5.3 -----	5.0 -----	5.3 -----
P9911	4.8 -----	4.7 -	4.0 ---	4.3 -	5.3 -----
LG 31280	4.9 -----	5.7 -----	5.7 -----	5.7 -----	4.0 -----
LG 31479	4.9 -----	5.0 --	4.7 -----	4.7 ---	5.0 -----
P8834	4.7 ---	5.3 ---	3.3 --	4.7 ---	5.3 -----
P9363	4.7 ---	5.3 ---	3.3 --	5.0 -----	4.7 -----
KWS Inteligens	4.8 -----	5.3 ---	5.0 -----	4.7 ---	4.0 -----
KWS Haiko	5.0 -----	5.3 ---	5.3 -----	5.3 -----	4.0 -----
-Bezugsgrösse(n)	4.7 ---	5.5 ---	4.5 -----	5.5 -----	4.0 -----
Versuchs-Mittel	4.8 -----	5.6 ---	4.7 -----	5.2 -----	4.4 -----
VK [%]	17.2	8.7	33.3	7.7	10.8
KGD (5%)	ns	0.8	ns	0.7	0.8
KGD (1%)	ns	1.1	ns	0.9	1.0
Versuchs-Streuung	0.8	0.5	1.6	0.4	0.5
FG Fehlerterm	308.0	55.0	56.0	56.0	56.0
Anz. Beob.	17.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17.0	29	0.85 ns	1.51	0.6860
Anbauorte	97.8	5	28.55 ***	2.25	0.0000
WW Verf.*Anb.Orte	193.3	145	1.95 ***	1.26	0.0005
Fehler	211.1	308			
Insgesamt	519.2	487			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
P8666	4.0	-----	4.7	-----
P8888	4.0	-----	4.3	---
SY Glorius	3.5	---	4.0	--
SY Enermax	4.0	-----	4.7	-----
KWS Shako	4.0	-----	5.3	-----
KWS Sabino	5.0	-----	4.3	---
SY Amfora	3.5	---	4.3	---
P9610	4.5	-----	4.7	-----
Purple	3.0	-	4.7	-----
KWS Editio	5.0	-----	4.3	---
DFI7ZM3E734	4.0	-----	4.3	---
LZM371/37	3.5	---	5.0	-----
Bismark	4.0	-----	4.0	--
KXC1211	4.5	-----	5.0	-----
Consilio	3.5	---	4.3	---
Fortello	5.0	-----	4.7	-----
KXC1347	4.0	-----	4.0	--
KXC1368	4.0	-----	4.3	---
P9367	4.5	-----	5.0	-----
P9639	5.5	-----	5.0	-----
SC3360	4.5	-----	4.7	-----
Mendy	4.5	-----	4.0	--
SU Crumber	5.5	-----	4.3	---
P9911	4.5	-----	6.0	-----
LG 31280	4.5	-----	3.7	-
LG 31479	5.0	-----	5.3	-----
P8834	4.5	-----	5.0	-----
P9363	5.0	-----	5.0	-----
KWS Inteligens	5.0	-----	4.7	-----
KWS Haiko	4.5	-----	5.7	-----
-Bezugsgrösse(n)	4.3	-----	4.3	---
Versuchs-Mittel	4.4	-----	4.6	-----
VK [%]	16.4		14.0	
KGD (5%)	ns		1.1	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.7		0.7	
FG Fehlerterm	29.0		56.0	
Anz. Beob.	2.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	69.5 -----	65.3 -----	78.3 -----	70.3 -----	64.0 -----
P8888	68.4 -----	65.0 -----	75.0 ----	70.0 -----	63.7 -----
SY Glorius	65.8 -	61.7 -	73.7 ---	67.0 -	60.7 -
SY Enermax	68.6 ----	65.0 ----	75.0 ----	69.3 ----	65.0 -----
KWS Shako	68.6 ----	65.0 ----	75.3 ----	69.7 ----	64.3 -----
KWS Sabino	70.4 -----	66.7 -----	77.3 -----	72.3 -----	65.3 -----
SY Amfora	67.6 ---	65.3 -----	74.3 ---	67.7 --	63.0 ----
P9610	69.9 -----	67.0 -----	76.7 -----	71.0 -----	65.0 -----
Purple	67.5 ---	63.5 ---	74.3 ---	69.0 ----	63.0 ----
KWS Editio	66.8 --	63.0 --	72.7 --	68.3 ---	63.0 ----
DF17ZM3E734	68.3 ----	64.7 ----	75.3 ----	69.0 ----	64.0 -----
LZM371/37	66.3 --	62.3 --	73.7 ---	67.7 --	61.7 --
Bismark	65.4 -	61.7 -	71.7 -	67.3 -	61.0 -
KXC1211	67.3 ---	62.3 --	74.7 ----	69.0 ----	63.0 ----
Consilio	66.3 --	62.3 --	72.3 -	68.3 ---	62.0 ---
Fortello	68.0 ----	65.0 ----	75.7 ----	68.3 ---	63.0 ----
KXC1347	68.2 ----	63.3 ---	77.3 -----	68.7 ---	63.3 ----
KXC1368	67.5 ---	63.3 ---	74.3 ---	69.0 ----	63.3 ----
P9367	68.8 ----	65.3 -----	74.3 ---	70.7 -----	64.7 -----
P9639	71.4 -----	67.7 -----	80.3 -----	71.7 -----	66.0 -----
SC3360	69.1 ----	65.7 ----	76.3 ----	70.7 -----	63.7 ----
Mendy	71.3 -----	68.0 -----	78.3 -----	72.7 -----	66.3 -----
SU Crumber	68.3 ----	65.3 ----	75.3 ----	69.3 ----	63.0 ----
P9911	72.1 -----	68.3 -----	80.3 -----	73.3 -----	66.3 -----
LG 31280	65.8 -	62.0 -	73.0 --	67.0 -	61.0 -
LG 31479	72.9 -----	69.0 -----	81.3 -----	73.7 -----	67.7 -----
P8834	69.0 ----	64.7 ----	77.7 -----	70.3 -----	63.3 ----
P9363	70.6 -----	68.0 -----	77.7 -----	71.7 -----	65.0 -----
KWS Inteligens	70.4 -----	67.3 -----	76.7 -----	72.7 -----	65.0 -----
KWS Haiko	68.2 ----	65.0 ----	75.0 ----	69.7 ----	63.0 ----
-Bezugsgrösse(n)	69.0 ----	66.0 -----	75.8 ----	70.0 ----	64.2 -----
Versuchs-Mittel	68.6 ----	65.0 ----	75.8 ----	69.8 ----	63.8 ----
VK [%]	1.9	1.6	2.7	1.2	1.4
KGD (5%)	1.0	1.7	3.3	1.4	1.5
KGD (1%)	1.4	2.3	4.4	1.8	1.9
Versuchs-Streuung	1.3	1.0	2.0	0.8	0.9
FG Fehlerterm	227.0	57.0	56.0	56.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1278.1	29	26.45 ***	1.52	0.0000
Anbauorte	8089.6	3	1618.06 ***	2.65	0.0000
WW Verf.*Anb.Orte	158.6	87	1.09 ns	1.33	
Fehler	378.3	227			
Insgesamt	9904.6	346			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	68.4 -----	63.3 -----	76.3 -----	68.3 -----	65.7 -----
P8888	67.1 -----	63.0 -----	73.0 ---	68.0 -----	64.3 -----
SY Glorius	64.2 -	60.3 -	71.7 --	65.0 -	59.7 -
SY Enermax	67.1 -----	63.0 -----	73.0 ---	67.3 -----	65.0 -----
KWS Shako	66.9 -----	62.7 -----	73.3 -----	67.7 -----	64.0 -----
KWS Sabino	68.8 -----	64.3 -----	75.3 -----	70.3 -----	65.0 -----
SY Amfora	65.9 ---	62.7 -----	72.3 ---	65.7 --	63.0 -----
P9610	68.3 -----	64.7 -----	74.7 -----	69.0 -----	65.0 -----
Purple	65.8 ---	62.0 ---	72.3 ---	67.0 ---	62.0 ---
KWS Editio	65.2 --	61.3 ---	70.7 -	66.0 --	62.7 -----
DFI7ZM3E734	66.2 -----	62.3 -----	73.0 ---	67.3 -----	62.0 ---
LZM371/37	65.1 --	60.3 -	71.7 --	66.0 --	62.3 ---
Bismark	64.8 -	60.0 -	70.7 -	65.3 -	63.0 ---
KXC1211	65.9 ---	61.0 --	72.7 ---	67.0 ---	63.0 ---
Consilio	64.8 --	60.3 -	70.7 -	66.3 ---	62.0 ---
Fortello	66.7 -----	63.3 -----	73.7 -----	66.3 ---	63.3 -----
KXC1347	66.7 -----	61.3 ---	75.3 -----	67.0 ---	63.0 ---
KXC1368	66.4 -----	61.7 ---	72.3 ---	67.0 ---	64.7 -----
P9367	67.3 -----	63.0 -----	72.3 ---	68.7 -----	65.0 -----
P9639	69.9 -----	65.7 -----	78.3 -----	69.7 -----	66.0 -----
SC3360	67.8 -----	63.7 -----	74.3 -----	68.7 -----	64.7 -----
Mendy	70.0 -----	65.7 -----	77.7 -----	70.7 -----	66.0 -----
SU Crumber	67.0 -----	63.3 -----	73.3 ---	67.3 ---	64.0 -----
P9911	70.8 -----	66.0 -----	79.0 -----	71.3 -----	67.0 -----
LG 31280	64.2 -	60.3 -	71.0 -	65.0 -	60.3 --
LG 31479	70.8 -----	66.7 -----	79.0 -----	71.7 -----	65.7 -----
P8834	67.5 -----	62.7 -----	75.7 -----	68.3 -----	63.3 -----
P9363	69.4 -----	65.0 -----	76.0 -----	69.7 -----	67.0 -----
KWS Inteligens	68.3 -----	64.0 -----	74.7 -----	70.7 -----	64.0 -----
KWS Haiko	66.8 -----	63.3 -----	73.0 ---	67.7 -----	63.3 -----
-Bezugsgrösse(n)	67.3 -----	63.5 -----	73.8 -----	68.0 -----	64.0 -----
Versuchs-Mittel	67.1 -----	62.9 -----	73.9 -----	67.9 -----	63.9 -----
VK [%]	1.8	1.6	2.6	1.2	0.9
KGD (5%)	1.0	1.7	3.2	1.3	1.0
KGD (1%)	1.3	2.2	4.3	1.7	1.3
Versuchs-Streuung	1.2	1.0	2.0	0.8	0.6
FG Fehlerterm	227.0	57.0	56.0	56.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1188.8	29	28.24 ***	1.52	0.0000
Anbauorte	6742.6	3	1548.30 ***	2.65	0.0000
WW Verf.*Anb.Orte	186.2	87	1.47 ns	1.33	
Fehler	329.5	227			
Insgesamt	8447.1	346			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	268.4 ---	240.0 ----	258.3 ---	260.0 --	315.3 ---
P8888	291.6 -----	263.3 -----	280.0 -----	283.3 -----	339.7 -----
SY Glorius	278.7 ----	253.3 ----	256.7 ---	280.0 ----	324.7 ----
SY Enermax	292.0 -----	250.0 ----	290.0 -----	296.7 -----	331.3 ----
KWS Shako	304.7 -----	271.7 -----	305.0 -----	295.0 -----	347.0 -----
KWS Sabino	270.8 ---	251.7 -----	255.0 --	265.0 ---	311.3 ---
SY Amfora	285.9 -----	266.7 -----	270.0 ----	276.7 ----	330.3 ----
P9610	278.0 ----	243.3 ----	273.3 ----	276.7 ----	318.7 ----
Purple	285.9 -----	265.0 -----	270.0 ----	281.7 ----	327.0 ----
KWS Editio	289.5 -----	263.3 -----	281.7 -----	278.3 ----	334.7 -----
DFI7ZM3E734	312.4 -----	275.0 -----	296.7 -----	313.3 -----	364.7 -----
LZM371/37	288.4 ----	256.7 ----	278.3 ----	285.0 ----	333.7 ----
Bismark	255.0 -	225.0 -	245.0 -	251.7 -	298.3 -
KXC1211	289.5 -----	256.7 ----	283.3 ----	283.3 ----	334.7 ----
Consilio	293.3 -----	253.3 ----	286.7 -----	293.3 -----	340.0 -----
Fortello	294.7 -----	260.0 -----	283.3 -----	296.7 -----	338.7 -----
KXC1347	268.8 ---	243.3 ----	256.7 ---	263.3 --	312.0 ---
KXC1368	278.8 ----	248.3 ----	275.0 ----	271.7 ----	320.0 ----
P9367	289.7 -----	251.7 ----	286.7 -----	278.3 ----	342.0 -----
P9639	284.3 -----	260.0 -----	276.7 ----	278.3 ----	322.3 ----
SC3360	282.2 ----	253.3 ----	273.3 ----	263.3 --	338.7 -----
Mendy	297.6 -----	270.0 -----	295.0 -----	291.7 -----	333.7 -----
SU Crumber	278.9 ----	248.3 ----	271.7 ----	276.7 ----	319.0 ----
P9911	266.8 ---	245.0 ----	253.3 --	268.3 ---	300.7 -
LG 31280	289.7 -----	253.3 ----	280.0 ----	290.0 -----	335.3 -----
LG 31479	296.6 -----	275.0 -----	285.0 -----	291.7 -----	334.7 -----
P8834	267.6 ---	241.7 ----	253.3 --	253.3 -	322.0 ----
P9363	279.2 ----	248.3 ----	268.3 ----	280.0 ----	320.0 ----
KWS Inteligens	284.3 -----	256.7 -----	283.3 -----	276.7 ----	320.3 ----
KWS Haiko	275.0 ----	245.0 ----	266.7 ----	276.7 ----	311.7 ---
-Bezugsgrösse(n)	278.3 ----	259.2 -----	262.5 ----	270.8 ----	320.8 ----
Versuchs-Mittel	283.9 -----	254.5 -----	274.6 -----	279.2 ----	327.4 ----
VK [%]	3.3	3.1	4.8	2.8	2.2
KGD (5%)	7.6	13.0	21.4	13.0	12.0
KGD (1%)	10.0	17.3	28.4	17.2	16.0
Versuchs-Streuung	9.4	7.9	13.1	7.9	7.3
FG Fehlerterm	227.0	57.0	58.0	56.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	51968.3	29	20.33 ***	1.52	0.0000
Anbauorte	257916.3	3	975.12 ***	2.65	0.0000
WW Verf.*Anb.Orte	10644.3	87	1.39 ns	1.33	
Fehler	20013.6	227			
Insgesamt	340542.5	346			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	132.2	113.3	136.7	125.0	153.7
P8888	139.5	121.7	143.3	131.7	161.3
SY Glorius	134.6	100.0	123.3	108.3	206.7
SY Enermax	133.3	110.0	146.7	120.0	156.3
KWS Shako	137.5	118.3	145.0	128.3	158.3
KWS Sabino	123.8	105.0	126.7	116.7	146.7
SY Amfora	127.2	106.7	128.3	116.7	157.0
P9610	136.0	106.7	146.7	128.3	162.3
Purple	134.8	110.0	138.3	130.0	160.7
KWS Editio	126.1	95.0	141.7	111.7	156.0
DFI7ZM3E734	143.8	128.3	141.7	140.0	165.0
LZM371/37	144.0	118.3	150.0	131.7	176.0
Bismark	111.3	81.7	123.3	106.7	133.7
KXC1211	127.9	108.3	130.0	121.7	151.7
Consilio	143.6	120.0	148.3	145.0	161.0
Fortello	137.5	115.0	143.3	133.3	158.3
KXC1347	120.4	108.3	131.7	113.3	128.3
KXC1368	136.4	113.3	140.0	128.3	164.0
P9367	135.6	111.7	150.0	130.0	150.7
P9639	137.3	115.0	143.3	131.7	159.0
SC3360	135.8	115.0	143.3	121.7	163.3
Mendy	147.0	120.0	158.3	143.3	166.3
SU Crumber	123.9	111.7	136.7	115.0	132.3
P9911	135.9	111.7	141.7	125.0	165.3
LG 31280	121.7	90.0	136.7	121.7	138.3
LG 31479	141.6	121.7	150.0	136.7	158.0
P8834	139.8	120.0	143.3	126.7	169.3
P9363	133.5	110.0	145.0	130.0	149.0
KWS Inteligens	116.1	101.7	133.3	110.0	119.3
KWS Haiko	130.6	111.7	141.7	125.0	144.0
-Bezugsgrösse(n)	125.5	105.8	127.5	116.7	151.8
Versuchs-Mittel	132.9	110.7	140.3	125.1	155.7
VK [%]	10.6	8.2	5.4	7.9	15.3
KGD (5%)	11.3	14.8	12.4	16.2	ns
KGD (1%)	14.9	19.6	16.5	21.5	ns
Versuchs-Streuung	14.1	9.0	7.6	9.9	23.8
FG Fehlerterm	229.0	57.0	58.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	25681.7	29	4.48 ***	1.52	0.0000
Anbauorte	101769.5	3	171.45 ***	2.64	0.0000
WW Verf.*Anb.Orte	19830.1	87	1.15 ns	1.33	
Fehler	45311.1	229			
Insgesamt	192592.4	348			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	49.3 -----	47.3 -----	52.9 -----	48.0 -----	48.7 ----
P8888	47.9 -----	46.2 -----	51.2 -----	46.4 -----	47.5 ----
SY Glorius	47.6 -----	39.6 ---	48.1 ---	38.7 -	63.8 -----
SY Enermax	45.6 -----	44.3 -----	50.6 -----	40.3 --	47.2 ----
KWS Shako	45.0 ----	43.5 -----	47.5 --	43.5 -----	45.7 ----
KWS Sabino	45.7 ----	41.7 ----	49.7 ----	44.1 ----	47.2 ----
SY Amfora	44.3 ----	40.0 ----	47.5 --	42.2 ----	47.6 ----
P9610	48.7 -----	43.9 -----	53.6 -----	46.4 -----	50.9 -----
Purple	47.0 -----	41.5 -----	51.3 -----	46.2 -----	49.2 -----
KWS Editio	43.3 ---	36.1 -	50.3 -----	40.1 --	46.6 ----
DFI7ZM3E734	46.1 -----	46.6 -----	47.7 --	44.6 -----	45.3 ----
LZM371/37	49.8 -----	46.1 -----	53.9 -----	46.2 -----	52.7 -----
Bismark	43.4 ---	36.2 -	50.3 -----	42.4 ---	44.8 ---
KXC1211	44.1 ---	42.2 -----	45.9 -	43.0 ---	45.4 ----
Consilio	49.0 -----	47.4 -----	51.7 -----	49.4 -----	47.5 ----
Fortello	46.6 -----	44.2 -----	50.6 -----	44.9 -----	46.8 ----
KXC1347	45.0 ----	44.6 -----	51.2 -----	43.1 ----	41.1 --
KXC1368	48.7 -----	45.6 -----	50.9 -----	47.2 -----	51.2 -----
P9367	46.9 -----	44.5 -----	52.4 -----	46.8 -----	44.1 ----
P9639	48.2 -----	44.2 -----	51.9 -----	47.4 -----	49.4 -----
SC3360	48.1 -----	45.5 -----	52.5 -----	46.1 -----	48.2 -----
Mendy	49.3 -----	44.4 -----	53.7 -----	49.1 -----	49.9 -----
SU Crumber	44.6 ----	45.0 -----	50.3 -----	41.6 ---	41.4 --
P9911	50.8 -----	45.6 -----	56.0 -----	46.6 -----	55.0 -----
LG 31280	41.9 -	35.6 -	48.8 ---	42.0 ----	41.3 --
LG 31479	47.7 -----	44.3 -----	52.7 -----	46.8 -----	47.2 ----
P8834	52.2 -----	49.6 -----	56.6 -----	50.0 -----	52.6 -----
P9363	47.9 -----	44.3 -----	54.2 -----	46.4 -----	46.6 ----
KWS Inteligens	40.9 -	39.6 ---	47.1 --	39.8 --	37.3 -
KWS Haiko	47.6 -----	45.7 -----	53.1 -----	45.2 -----	46.2 ----
-Bezugsgrösse(n)	45.0 ----	40.8 ----	48.6 ---	43.1 ----	47.4 ----
Versuchs-Mittel	46.8 -----	43.5 -----	51.1 -----	44.8 -----	47.6 -----
VK [%]	9.7	8.6	4.1	7.5	15.4
KGD (5%)	3.7	6.1	3.4	5.5	ns
KGD (1%)	4.8	8.1	4.6	7.3	ns
Versuchs-Streuung	4.5	3.7	2.1	3.4	7.3
FG Fehlerterm	229.0	57.0	58.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2355.7	29	3.94 ***	1.52	0.0000
Anbauorte	3084.0	3	49.88 ***	2.64	0.0000
WW Verf.*Anb.Orte	2046.0	87	1.14 ns	1.33	
Fehler	4719.3	229			
Insgesamt	12205.0	348			

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

Verfahren	Seriemittel	1896		3065	
			Vouvry-LD		Habstetten
P8666	4.2 ---	8.3 ---	0.0 -		
P8888	0.0 -	0.0 -	0.0 -		
SY Glorius	6.3 ----	8.3 ---	4.2 -----		
SY Enermax	0.0 -	0.0 -	0.0 -		
KWS Shako	2.1 --	4.2 --	0.0 -		
KWS Sabino	0.0 -	0.0 -	0.0 -		
SY Amfora	16.7 -----	25.0 -----	8.3 -----		
P9610	6.3 ----	12.5 ----	0.0 -		
Purple	2.1 --	4.2 --	0.0 -		
KWS Editio	4.2 ---	8.3 ---	0.0 -		
DFI7ZM3E734	12.5 -----	25.0 -----	0.0 -		
LZM371/37	14.6 -----	29.2 -----	0.0 -		
Bismark	10.4 -----	16.7 -----	4.2 -----		
KXC1211	2.1 --	4.2 --	0.0 -		
Consilio	4.2 ---	8.3 ---	0.0 -		
Fortello	0.0 -	0.0 -	0.0 -		
KXC1347	0.0 -	0.0 -	0.0 -		
KXC1368	6.3 ----	12.5 ----	0.0 -		
P9367	0.0 -	0.0 -	0.0 -		
P9639	0.0 -	0.0 -	0.0 -		
SC3360	2.1 --	4.2 --	0.0 -		
Mendy	2.1 --	4.2 --	0.0 -		
SU Crumber	0.0 -	0.0 -	0.0 -		
P9911	0.0 -	0.0 -	0.0 -		
LG 31280	4.2 ---	8.3 ---	0.0 -		
LG 31479	0.0 -	0.0 -	0.0 -		
P8834	0.0 -	0.0 -	0.0 -		
P9363	0.0 -	0.0 -	0.0 -		
KWS Inteligens	6.3 ----	12.5 ----	0.0 -		
KWS Haiko	4.2 ---	8.3 ---	0.0 -		
-Bezugsgrösse(n)	8.3 -----	12.5 -----	4.2 -----		
Versuchs-Mittel	3.7 ---	6.8 ---	0.6 -		
VK [%]	140.3	103.0	401.2		
KGD (5%)	5.9	11.5	3.6		
KGD (1%)	7.8	15.3	ns		
Versuchs-Streuung	5.2	7.0	2.2		
FG Fehlerterm	114.0	56.0	58.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3681.4	29	4.76 ***	1.57	0.0000
Anbauorte	1757.8	1	65.88 ***	3.92	0.0000
WW Verf.*Anb.Orte	2487.0	29	3.21 ***	1.57	0.0002
Fehler	3041.7	114			
Insgesamt	10967.9	173			

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

Verfahren	Seriemittel	8193		8566	
		Eglisau ZH		Ellighausen TG	
P8666	30.6	-----	61.2	-----	0.0 -
P8888	25.0	----	48.2	----	1.8 -
SY Glorius	23.1	----	45.0	----	1.2 -
SY Enermax	0.3	-	0.0	-	0.6 -
KWS Shako	5.2	--	8.8	-	1.7 -
KWS Sabino	2.1	-	4.2	-	0.0 -
SY Amfora	20.3	----	40.1	-----	0.5 -
P9610	2.4	-	4.3	-	0.6 -
Purple	46.2	-----	66.5	-----	26.0 -----
KWS Editio	1.8	-	0.0	-	3.7 --
DFI7ZM3E734	37.8	-----	70.2	-----	5.5 ---
LZM371/37	54.0	-----	98.5	-----	9.5 ----
Bismark	34.8	-----	67.5	-----	2.2 -
KXC1211	3.6	-	7.3	-	0.0 -
Consilio	6.6	--	12.6	--	0.5 -
Fortello	2.6	-	4.1	-	1.1 -
KXC1347	1.7	-	3.3	-	0.0 -
KXC1368	6.9	--	11.0	--	2.8 --
P9367	2.2	-	1.8	-	2.7 --
P9639	5.2	--	8.0	-	2.3 --
SC3360	1.7	-	1.7	-	1.7 -
Mendy	10.5	--	21.0	---	0.0 -
SU Crumber	10.0	--	19.2	---	0.7 -
P9911	2.7	-	5.5	-	0.0 -
LG 31280	17.9	----	33.5	----	2.4 --
LG 31479	1.7	-	3.5	-	0.0 -
P8834	4.5	-	8.3	-	0.6 -
P9363	1.9	-	0.9	-	2.9 --
KWS Inteligens	5.1	--	9.7	--	0.6 -
KWS Haiko	23.4	-----	45.8	-----	1.1 -
-Bezugsgrösse(n)	11.2	---	22.1	---	0.3 -
Versuchs-Mittel	13.1	---	23.7	---	2.4 --
VK [%]	69.3		60.5		174.7
KGD (5%)	11.4		29.4		6.9
KGD (1%)	15.1		39.6		9.2
Versuchs-Streuung	9.1		14.4		4.2
FG Fehlerterm	85.0		29.0		56.0
Anz. Beob.	5.0		2.0		3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	32067.3	29	13.47 ***	1.60	0.0000
Anbauorte	17009.4	1	207.25 ***	3.95	0.0000
WW Verf.*Anb.Orte	22678.6	29	9.53 ***	1.60	0.0000
Fehler	6976.1	85			
Insgesamt	78731.4	144			

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

Verfahren	Seriemittel	8566 Ellighausen TG
P8666	0.0 -	0.0 -
P8888	0.0 -	0.0 -
SY Glorius	0.0 -	0.0 -
SY Enermax	0.0 -	0.0 -
KWS Shako	0.0 -	0.0 -
KWS Sabino	0.6 ----	0.6 ----
SY Amfora	0.0 -	0.0 -
P9610	0.0 -	0.0 -
Purple	0.0 -	0.0 -
KWS Editio	0.6 ----	0.6 ----
DFI7ZM3E734	0.0 -	0.0 -
LZM371/37	1.8 -----	1.8 -----
Bismark	0.0 -	0.0 -
KXC1211	0.0 -	0.0 -
Consilio	0.5 ----	0.5 ----
Fortello	1.1 -----	1.1 -----
KXC1347	0.0 -	0.0 -
KXC1368	0.6 ----	0.6 ----
P9367	0.0 -	0.0 -
P9639	0.0 -	0.0 -
SC3360	0.0 -	0.0 -
Mendy	0.0 -	0.0 -
SU Crumber	0.6 ----	0.6 ----
P9911	0.0 -	0.0 -
LG 31280	0.0 -	0.0 -
LG 31479	1.8 -----	1.8 -----
P8834	0.0 -	0.0 -
P9363	0.0 -	0.0 -
KWS Inteligens	0.0 -	0.0 -
KWS Haiko	0.0 -	0.0 -
-Bezugsgrösse(n)	0.3 --	0.3 --
Versuchs-Mittel	0.3 --	0.3 --
VK [%]	282.5	282.5
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.7	0.7
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	3.7 -----	5.5 -----	4.6 -----	2.2 ----	2.4 ---
P8888	1.5 ---	3.3 ----	0.4 --	0.4 -	1.7 ---
SY Glorius	1.5 ---	1.4 --	0.9 ---	0.9 --	3.0 ----
SY Enermax	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
KWS Shako	3.2 -----	5.7 -----	1.6 ----	1.9 ----	3.4 -----
KWS Sabino	1.4 ---	3.9 -----	0.9 ---	0.7 --	0.0 -
SY Amfora	3.6 -----	8.3 -----	1.7 ----	4.0 -----	0.6 -
P9610	0.2 -	0.4 -	0.4 --	0.0 -	0.0 -
Purple	1.6 ---	3.7 ----	1.3 ----	0.4 -	1.1 --
KWS Editio	5.0 -----	6.4 -----	3.2 -----	5.7 -----	4.9 -----
DF17ZM3E734	0.3 -	0.0 -	0.0 -	0.7 --	0.6 -
LZM371/37	2.6 ----	5.2 -----	4.1 -----	0.4 -	0.6 -
Bismark	2.1 ----	0.4 -	0.4 --	1.2 ---	6.4 -----
KXC1211	3.0 ----	5.8 -----	1.2 ---	1.9 ----	2.9 ----
Consilio	1.2 ---	1.0 --	0.9 --	1.1 ---	1.7 ---
Fortello	0.7 --	1.8 ---	1.1 ---	0.0 -	0.0 -
KXC1347	1.8 ----	1.0 --	2.0 ----	2.3 ----	1.7 ---
KXC1368	1.0 ---	0.0 -	0.0 -	0.0 -	3.9 -----
P9367	1.1 ---	2.7 ----	0.4 --	0.8 --	0.6 -
P9639	0.5 --	2.2 ---	0.0 -	0.0 -	0.0 -
SC3360	0.1 -	0.0 -	0.0 -	0.0 -	0.6 --
Mendy	0.9 --	1.9 ---	0.0 -	1.7 ----	0.0 -
SU Crumber	1.0 ---	2.4 ----	0.0 -	1.5 ---	0.0 -
P9911	0.9 --	1.8 ---	1.4 ----	0.4 -	0.0 -
LG 31280	3.4 -----	6.1 -----	0.8 --	2.7 ----	4.2 -----
LG 31479	3.9 -----	6.4 -----	4.3 -----	3.0 -----	1.8 ---
P8834	1.1 ---	3.0 ----	1.6 ----	0.0 -	0.0 -
P9363	0.8 --	1.6 --	0.0 -	0.4 -	1.1 --
KWS Inteligens	0.8 --	0.3 -	2.2 ----	0.8 --	0.0 -
KWS Haiko	1.2 ---	3.6 ----	0.8 --	0.0 -	0.6 -
-Bezugsgrösse(n)	2.5 -----	6.1 -----	1.3 ---	2.4 ----	0.3 -
Versuchs-Mittel	1.7 ---	2.9 ----	1.2 ---	1.2 ---	1.5 ---
VK [%]	108.3	75.7	151.1	112.8	127.4
KGD (5%)	1.5	3.5	ns	2.2	3.0
KGD (1%)	1.9	4.7	ns	2.9	4.0
Versuchs-Streuung	1.8	2.2	1.8	1.3	1.9
FG Fehlerterm	227.0	57.0	56.0	58.0	56.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	579.2	29	6.06 ***	1.52	0.0000
Anbauorte	173.7	3	17.57 ***	2.65	0.0000
WW Verf.*Anb.Orte	475.5	87	1.66 ns	1.33	
Fehler	747.8	227			
Insgesamt	1976.3	346			

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

Verfahren	Seriemittel		8566 Ellighausen TG	
P8666	1.1	-----	1.1	-----
P8888	0.0	-	0.0	-
SY Glorius	0.0	-	0.0	-
SY Enermax	0.0	-	0.0	-
KWS Shako	0.0	-	0.0	-
KWS Sabino	0.0	-	0.0	-
SY Amfora	0.0	-	0.0	-
P9610	0.0	-	0.0	-
Purple	0.0	-	0.0	-
KWS Editio	0.0	-	0.0	-
DFI7ZM3E734	0.0	-	0.0	-
LZM371/37	0.0	-	0.0	-
Bismark	0.0	-	0.0	-
KXC1211	0.0	-	0.0	-
Consilio	0.0	-	0.0	-
Fortello	0.0	-	0.0	-
KXC1347	0.0	-	0.0	-
KXC1368	0.0	-	0.0	-
P9367	0.0	-	0.0	-
P9639	0.0	-	0.0	-
SC3360	0.0	-	0.0	-
Mendy	0.0	-	0.0	-
SU Crumber	0.0	-	0.0	-
P9911	0.0	-	0.0	-
LG 31280	0.0	-	0.0	-
LG 31479	0.0	-	0.0	-
P8834	0.0	-	0.0	-
P9363	0.0	-	0.0	-
KWS Inteligens	0.0	-	0.0	-
KWS Haiko	0.0	-	0.0	-
-Bezugsgrösse(n)	0.0	-	0.0	-
Versuchs-Mittel	0.0	-	0.0	-
VK [%]	948.7		948.7	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.3		0.3	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	8.2 -----	9.5 -----	7.9 -----	7.6 --	8.3 -----
P8888	7.9 ----	7.8 -	7.9 -----	8.6 -----	8.6 -----
SY Glorius	8.0 ----	9.8 -----	7.6 ----	7.7 --	8.5 -----
SY Enermax	8.2 -----	7.7 -	7.7 -----	8.5 -----	8.6 -----
KWS Shako	8.2 -----	8.8 ----	8.2 -----	8.6 -----	8.6 -----
KWS Sabino	8.3 -----	8.5 ----	7.8 -----	9.0 -----	8.5 -----
SY Amfora	8.3 -----	8.9 ----	8.0 -----	9.1 -----	8.2 -----
P9610	8.3 -----	8.7 ----	7.7 -----	8.9 -----	8.7 -----
Purple	8.0 ----	8.1 --	7.5 ----	8.6 -----	8.6 -----
KWS Editio	8.5 -----	8.7 ----	8.4 -----	9.4 -----	9.0 -----
DF17ZM3E734	8.3 -----	8.7 ----	7.8 -----	8.7 -----	8.7 -----
LZM371/37	8.5 -----	10.4 -----	8.0 -----	8.5 -----	8.6 -----
Bismark	8.1 ----	8.8 ----	7.9 -----	8.5 -----	8.3 ----
KXC1211	8.5 -----	9.8 -----	8.2 -----	8.9 -----	8.1 ----
Consilio	8.5 -----	10.0 -----	7.9 -----	8.8 -----	8.8 -----
Fortello	8.4 -----	8.9 ----	8.4 -----	8.8 -----	8.6 -----
KXC1347	8.4 -----	9.0 ----	8.1 -----	8.7 -----	8.6 -----
KXC1368	8.2 -----	9.3 -----	7.6 ----	8.5 -----	8.7 -----
P9367	8.3 -----	8.8 ----	7.5 ----	8.5 -----	8.5 -----
P9639	8.1 -----	8.9 ----	7.5 ----	7.8 ---	8.7 -----
SC3360	8.3 -----	9.6 -----	8.1 -----	8.4 -----	8.2 ----
Mendy	7.9 ----	8.6 ----	7.6 ----	7.9 ---	7.8 --
SU Crumber	7.3 -	8.3 ---	6.8 -	7.4 -	7.6 -
P9911	7.8 ----	7.9 -	7.1 --	8.3 ----	8.2 ----
LG 31280	8.0 ----	8.6 ----	7.7 -----	8.7 -----	8.0 ---
LG 31479	8.0 ----	8.8 ----	7.1 ---	7.8 ---	8.2 ----
P8834	8.4 -----	9.7 -----	8.6 -----	8.2 ----	8.4 -----
P9363	8.4 -----	9.9 -----	7.9 -----	8.9 -----	8.2 ----
KWS Inteligens	8.4 -----	10.0 -----	7.7 ----	8.5 -----	8.4 ----
KWS Haiko	8.4 -----	9.7 -----	8.1 -----	8.8 -----	8.7 -----
-Bezugsgrösse(n)	8.3 -----	8.7 ----	7.9 -----	9.0 -----	8.3 -----
Versuchs-Mittel	8.2 -----	9.0 ----	7.8 -----	8.5 -----	8.4 -----
VK [%]	6.4	9.3	4.3	5.1	5.2
KGD (5%)	0.3	1.4	0.5	0.7	ns
KGD (1%)	0.4	1.8	0.7	0.9	ns
Versuchs-Streuung	0.5	0.8	0.3	0.4	0.4
FG Fehlerterm	368.0	55.0	56.0	58.0	58.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	37.9	29	4.73 ***	1.50	0.0000
Anbauorte	192.1	6	115.82 ***	2.13	0.0000
WW Verf.*Anb.Orte	78.8	174	1.64 ns	1.23	
Fehler	101.7	368			
Insgesamt	410.5	577			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	8.2	-----	8.6	-----	7.3	-----
P8888	7.0	-	8.4	-----	6.8	-----
SY Glorius	7.8	-----	8.2	-----	6.7	-----
SY Enermax	8.4	-----	8.2	-----	7.9	-----
KWS Shako	7.6	-----	8.6	-----	7.1	-----
KWS Sabino	8.3	-----	8.4	-----	7.8	-----
SY Amfora	8.0	-----	8.7	-----	7.0	-----
P9610	8.4	-----	8.7	-----	6.7	-----
Purple	8.3	-----	8.0	-	7.2	-----
KWS Editio	8.1	-----	8.5	-----	7.5	-----
DFI7ZM3E734	8.3	-----	8.8	-----	7.3	-----
LZM371/37	8.0	-----	8.2	-----	7.4	-----
Bismark	8.1	-----	8.5	-----	6.7	-----
KXC1211	7.7	-----	8.6	-----	7.8	-----
Consilio	8.2	-----	8.9	-----	6.6	-----
Fortello	8.3	-----	8.7	-----	7.4	-----
KXC1347	8.7	-----	8.6	-----	7.1	-----
KXC1368	7.9	-----	8.5	-----	7.2	-----
P9367	8.7	-----	8.9	-----	7.1	-----
P9639	8.2	-----	8.5	-----	7.4	-----
SC3360	8.5	-----	8.3	-----	6.8	-----
Mendy	8.1	-----	8.5	-----	6.6	-----
SU Crumber	7.2	--	8.5	-----	5.6	-
P9911	8.0	-----	8.1	--	7.2	-----
LG 31280	7.9	-----	8.2	-----	6.7	-----
LG 31479	8.4	-----	8.1	--	7.5	-----
P8834	8.6	-----	8.5	-----	6.9	-----
P9363	8.3	-----	8.2	-----	7.5	-----
KWS Inteligens	8.2	-----	8.6	-----	7.2	-----
KWS Haiko	7.6	-----	8.7	-----	6.8	-----
-Bezugsgrösse(n)	8.2	-----	8.6	-----	7.4	-----
Versuchs-Mittel	8.1	-----	8.5	-----	7.1	-----
VK [%]	7.5		3.7		8.2	
KGD (5%)	ns		0.5		0.9	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	0.6		0.3		0.6	
FG Fehlerterm	29.0		56.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	612.9 -	358.0 -	476.1 ---	628.6 ---	809.2 ---
P8888	659.9 ----	413.6 ----	518.0 ----	663.6 ----	840.0 ----
SY Glorius	610.2 -	405.7 ----	485.6 ---	590.8 -	781.4 -
SY Enermax	635.8 ---	369.7 --	534.6 ----	699.8 ----	790.1 --
KWS Shako	667.8 ----	413.5 ----	602.1 ----	684.3 ----	873.3 ----
KWS Sabino	623.2 --	431.4 ----	403.6 -	624.5 ---	781.8 -
SY Amfora	662.4 ----	413.4 ----	558.2 ----	662.6 ----	814.8 ---
P9610	686.1 ----	421.9 ----	595.8 ----	693.5 ----	815.0 ---
Purple	686.5 ----	441.4 ----	560.5 ----	709.9 ----	850.3 ----
KWS Editio	614.9 --	402.1 ----	531.4 ----	577.1 -	778.2 -
DFI7ZM3E734	606.5 -	386.8 ---	407.9 -	584.8 -	817.6 ---
LZM371/37	674.6 ----	437.8 ----	561.9 ----	656.2 ---	874.3 ----
Bismark	602.9 -	358.5 -	507.6 ---	609.6 --	772.9 -
KXC1211	622.3 --	392.1 ---	516.8 ---	580.6 -	823.0 ----
Consilio	605.2 -	397.8 ---	523.9 ----	621.0 ---	792.0 --
Fortello	610.3 -	405.9 ----	502.4 ----	611.7 --	810.1 ---
KXC1347	642.8 ---	382.8 ---	523.8 ----	679.1 ----	812.5 ---
KXC1368	631.2 ---	430.6 ----	516.5 ---	589.9 -	784.7 --
P9367	685.1 ----	416.5 ----	581.3 ----	678.5 ----	869.6 ----
P9639	699.7 ----	414.1 ----	611.5 ----	757.4 ----	847.7 ----
SC3360	610.8 -	379.2 ---	439.8 --	638.6 ---	810.8 ---
Mendy	727.4 ----	462.5 ----	684.2 ----	758.5 ----	899.2 ----
SU Crumber	666.4 ----	424.8 ----	602.5 ----	642.6 ---	860.2 ----
P9911	716.2 ----	463.9 ----	628.6 ----	791.9 ----	869.4 ----
LG 31280	622.8 --	362.7 -	512.3 ---	627.8 ---	790.5 --
LG 31479	684.1 ----	459.8 ----	597.7 ----	747.7 ----	858.5 ----
P8834	634.9 ---	389.2 ---	507.6 ---	623.0 ---	839.2 ----
P9363	701.3 ----	467.7 ----	583.4 ----	749.3 ----	864.9 ----
KWS Inteligens	720.1 ----	441.3 ----	700.3 ----	722.7 ----	881.1 ----
KWS Haiko	611.5 -	363.0 -	518.2 ---	617.5 --	782.0 -
-Bezugsgrösse(n)	642.8 ---	422.4 ----	480.9 ---	643.5 ---	798.3 ---
Versuchs-Mittel	651.2 ---	410.3 ----	543.1 ----	660.8 ---	826.5 ----
VK [%]	6.5	6.0	12.9	4.7	3.9
KGD (5%)	26.4	40.5	114.6	51.2	53.3
KGD (1%)	34.8	53.9	152.6	68.2	70.9
Versuchs-Streuung	42.5	24.7	70.1	31.3	32.6
FG Fehlerterm	364.0	55.0	56.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	895963.7	29	17.14 ***	1.50	0.0000
Anbauorte	14906789.3	6	1378.51 ***	2.13	0.0000
WW Verf.*Anb.Orte	513071.2	174	1.64 ns	1.23	
Fehler	656032.5	364			
Insgesamt	16971856.7	573			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	496.9	----	839.8	--	681.5	-----
P8888	552.7	-----	920.2	-----	711.4	-----
SY Glorius	517.4	----	807.4	-	682.9	-----
SY Enermax	526.2	-----	850.6	---	679.7	-----
KWS Shako	530.2	-----	868.1	----	703.3	-----
KWS Sabino	585.0	-----	851.6	---	684.8	-----
SY Amfora	581.5	-----	901.8	-----	704.3	-----
P9610	574.3	-----	946.5	-----	755.9	-----
Purple	568.9	-----	914.0	-----	760.5	-----
KWS Editio	514.7	----	847.5	---	653.1	----
DFI7ZM3E734	480.5	---	900.5	-----	667.1	----
LZM371/37	484.8	---	977.3	-----	730.0	-----
Bismark	463.3	--	907.6	-----	601.2	-
KXC1211	516.0	-----	853.7	---	674.1	----
Consilio	445.6	-	838.4	--	617.8	--
Fortello	456.2	-	849.0	---	636.7	---
KXC1347	554.8	-----	871.8	----	674.8	----
KXC1368	512.3	----	848.6	---	735.9	-----
P9367	596.3	-----	914.6	-----	738.8	-----
P9639	580.3	-----	967.0	-----	720.1	-----
SC3360	565.1	-----	816.5	-	625.5	--
Mendy	557.9	-----	987.5	-----	742.2	-----
SU Crumber	559.1	-----	919.5	-----	656.0	----
P9911	582.1	-----	930.6	-----	746.9	-----
LG 31280	498.0	----	857.5	---	710.9	-----
LG 31479	555.0	-----	893.3	-----	676.7	----
P8834	522.8	-----	908.1	-----	654.3	----
P9363	555.5	-----	946.2	-----	742.2	-----
KWS Inteligens	587.8	-----	960.5	-----	746.6	-----
KWS Haiko	473.2	--	844.3	---	682.0	-----
-Bezugsgrösse(n)	583.2	-----	876.7	----	694.6	-----
Versuchs-Mittel	533.1	-----	891.3	-----	693.2	-----
VK [%]	6.7		5.2		5.3	
KGD (5%)	73.4		76.0		59.8	
KGD (1%)	98.8		101.2		79.6	
Versuchs-Streuung	35.9		46.5		36.6	
FG Fehlerterm	29.0		56.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	213.6 ---	168.6 -	211.1 ----	210.5 -	266.0 -----
P8888	222.4 -----	184.6 ----	212.7 ----	238.6 -----	259.4 ----
SY Glorius	214.8 ---	190.0 ----	207.4 ---	217.7 --	255.4 ---
SY Enermax	222.0 -----	166.7 -	229.1 -----	256.7 -----	248.2 ---
KWS Shako	218.6 -----	178.0 ---	241.7 -----	235.5 -----	249.9 ---
KWS Sabino	216.3 -----	190.7 -----	192.3 --	229.8 -----	254.8 ---
SY Amfora	227.8 -----	182.4 ---	220.0 -----	243.0 -----	275.1 -----
P9610	229.1 -----	177.6 ---	252.8 -----	241.4 -----	253.4 ---
Purple	214.5 ---	180.2 ---	208.5 ---	227.8 ---	254.2 ---
KWS Editio	214.8 ---	183.7 ----	217.0 ----	210.6 -	257.0 ----
DFI7ZM3E734	209.1 --	180.4 ---	177.0 -	218.4 --	259.0 ----
LZM371/37	227.4 -----	176.6 ---	216.0 ----	230.7 ----	288.0 -----
Bismark	210.3 --	177.8 ---	215.4 ---	215.9 --	245.8 --
KXC1211	220.3 -----	184.0 ----	220.4 ----	226.5 ---	269.2 -----
Consilio	217.3 -----	185.1 ----	227.2 -----	237.2 -----	264.3 -----
Fortello	211.5 --	176.3 ---	200.2 ---	226.6 ---	252.0 ---
KXC1347	216.0 ---	173.3 --	216.4 ----	237.8 -----	237.8 -
KXC1368	227.1 -----	214.6 -----	224.8 ----	230.4 ----	253.5 ----
P9367	226.0 -----	179.5 ---	243.2 -----	237.2 -----	266.1 -----
P9639	219.7 -----	177.3 ---	220.5 ----	259.1 -----	244.3 --
SC3360	213.9 ---	171.8 --	201.3 ---	232.1 ----	261.9 ----
Mendy	230.6 -----	182.0 ----	263.3 -----	253.9 -----	265.0 -----
SU Crumber	220.3 -----	177.2 ---	237.9 -----	224.5 ---	262.3 ----
P9911	213.0 ---	172.5 --	227.8 ----	236.6 -----	246.6 --
LG 31280	217.6 -----	177.0 ---	223.2 ----	224.9 ---	267.0 -----
LG 31479	207.0 -	167.5 -	210.1 ----	244.8 -----	237.7 -
P8834	212.5 ---	171.0 -	198.9 ---	231.3 ----	266.9 -----
P9363	227.0 -----	192.9 -----	237.7 -----	251.5 -----	255.6 ----
KWS Inteligens	226.1 -----	177.4 ---	277.1 -----	238.2 ----	251.8 ---
KWS Haiko	218.9 -----	178.2 ---	226.1 ----	225.7 ----	261.6 ----
-Bezugsgrösse(n)	222.1 -----	186.5 ----	206.1 ----	236.4 -----	264.9 -----
Versuchs-Mittel	218.9 -----	179.8 ---	221.9 ----	233.2 ----	257.6 ----
VK [%]	6.8	7.0	10.1	5.7	4.6
KGD (5%)	9.3	ns	36.6	21.6	19.5
KGD (1%)	12.3	ns	48.6	28.8	26.0
Versuchs-Streuung	15.0	12.5	22.4	13.2	11.9
FG Fehlerterm	366.0	55.0	58.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	24397.5	29	3.75 ***	1.50	0.0001
Anbauorte	704771.7	6	523.33 ***	2.13	0.0000
WW Verf.*Anb.Orte	75691.0	174	1.94 ***	1.23	0.0005
Fehler	82149.5	366			
Insgesamt	887009.7	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	158.4	-----	240.5	----	240.3	-----
P8888	160.2	-----	265.6	-----	235.6	-----
SY Glorius	154.5	----	243.9	----	234.3	-----
SY Enermax	166.0	-----	245.6	----	242.0	-----
KWS Shako	172.2	-----	220.4	-	232.4	-----
KWS Sabino	164.3	-----	239.7	----	242.8	-----
SY Amfora	163.0	-----	265.7	-----	245.4	-----
P9610	172.6	-----	260.0	-----	245.7	-----
Purple	153.6	----	241.0	----	236.4	-----
KWS Editio	164.5	-----	247.7	-----	223.0	-----
DFI7ZM3E734	150.9	----	256.8	-----	221.6	-----
LZM371/37	141.1	-	282.5	-----	257.1	-----
Bismark	148.6	---	270.1	-----	198.3	-
KXC1211	155.2	----	247.3	----	239.4	-----
Consilio	138.8	-	254.3	-----	214.3	---
Fortello	144.6	--	257.2	-----	223.5	-----
KXC1347	168.9	-----	237.1	---	240.7	-----
KXC1368	159.2	-----	251.8	-----	255.3	-----
P9367	167.3	-----	253.0	-----	235.9	-----
P9639	168.2	-----	240.5	----	227.7	-----
SC3360	174.9	-----	233.0	---	222.6	-----
Mendy	155.7	----	258.9	-----	235.3	-----
SU Crumber	158.0	-----	261.7	-----	220.2	---
P9911	147.9	---	233.4	---	226.0	-----
LG 31280	145.8	---	251.2	-----	234.2	-----
LG 31479	146.4	---	234.3	---	208.2	--
P8834	144.5	--	248.5	-----	226.8	-----
P9363	161.1	-----	252.1	-----	238.2	-----
KWS Inteligens	154.0	----	249.3	-----	234.9	-----
KWS Haiko	148.5	---	251.6	-----	240.8	-----
-Bezugsgrösse(n)	163.7	-----	252.7	-----	244.1	-----
Versuchs-Mittel	157.0	-----	249.8	-----	232.6	-----
VK [%]	6.8		6.4		5.5	
KGD (5%)	ns		26.2		20.8	
KGD (1%)	ns		ns		27.7	
Versuchs-Streuung	10.7		16.0		12.7	
FG Fehlerterm	29.0		56.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	36.2 -----	47.0 -----	44.6 -----	33.5 ----	32.9 -----
P8888	35.1 -----	44.8 -----	43.1 -----	36.0 -----	30.9 -----
SY Glorius	36.3 -----	46.8 -----	43.2 -----	36.9 -----	32.7 -----
SY Enermax	36.1 -----	45.1 -----	43.4 -----	36.6 -----	31.4 -----
KWS Shako	33.9 -----	43.0 -----	40.2 ----	34.5 -----	28.6 --
KWS Sabino	36.2 -----	44.3 -----	47.8 -----	36.8 -----	32.6 -----
SY Amfora	35.2 -----	44.1 -----	39.5 ----	36.7 -----	33.8 -----
P9610	34.4 -----	41.9 ----	42.9 -----	34.8 -----	31.1 -----
Purple	32.1 ---	40.8 ---	37.5 --	32.1 ---	29.9 ---
KWS Editio	35.9 -----	45.7 -----	40.9 -----	36.5 -----	33.1 -----
DFI7ZM3E734	36.0 -----	46.7 -----	43.3 -----	37.4 -----	31.7 -----
LZM371/37	34.4 -----	40.5 ----	38.5 ---	35.2 -----	32.9 -----
Bismark	36.3 -----	49.6 -----	42.4 -----	35.5 -----	31.8 -----
KXC1211	36.6 -----	46.9 -----	42.8 -----	39.1 -----	32.7 -----
Consilio	36.9 -----	46.5 -----	43.7 -----	38.2 -----	33.4 -----
Fortello	35.5 -----	43.4 -----	40.0 ----	37.2 -----	31.1 -----
KXC1347	34.9 -----	45.3 -----	41.3 -----	35.2 -----	29.3 ---
KXC1368	37.2 -----	49.9 -----	43.9 -----	39.1 -----	32.4 -----
P9367	34.0 -----	42.9 ----	41.8 -----	34.9 -----	30.6 ----
P9639	32.6 ----	42.8 ----	36.5 -	34.3 -----	28.8 ----
SC3360	36.5 -----	45.4 -----	46.4 -----	36.4 -----	32.3 -----
Mendy	32.4 ----	39.4 ---	38.6 ---	33.7 -----	29.5 ----
SU Crumber	33.9 -----	41.7 -----	39.8 ----	35.0 -----	30.5 ----
P9911	30.4 -	37.2 -	36.5 -	29.9 -	28.4 --
LG 31280	36.3 -----	48.6 -----	44.3 -----	35.9 -----	33.8 -----
LG 31479	30.8 -	36.4 -	35.6 -	32.8 ----	27.7 -
P8834	34.5 -----	43.8 -----	39.3 ----	37.1 -----	31.8 -----
P9363	33.4 -----	41.3 ----	41.2 -----	33.6 -----	29.5 ----
KWS Inteligens	32.2 ---	40.3 ---	39.6 ----	33.2 ----	28.6 --
KWS Haiko	37.1 -----	49.0 -----	44.1 -----	36.5 -----	33.5 -----
-Bezugsgrösse(n)	35.7 -----	44.2 -----	43.6 -----	36.7 -----	33.2 -----
Versuchs-Mittel	34.8 -----	44.0 -----	41.4 ----	35.5 -----	31.2 -----
VK [%]	4.7	4.4	6.3	4.6	3.6
KGD (5%)	1.0	3.2	4.3	2.7	1.8
KGD (1%)	1.3	4.3	5.7	3.5	2.4
Versuchs-Streuung	1.6	2.0	2.6	1.6	1.1
FG Fehlerterm	366.0	55.0	56.0	58.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2043.7	29	26.50 ***	1.50	0.0000
Anbauorte	18569.3	6	1164.01 ***	2.13	0.0000
WW Verf.*Anb.Orte	1039.6	174	2.25 ***	1.23	0.0002
Fehler	973.1	366			
Insgesamt	22625.7	575			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	31.9	-----	28.7	-----	35.2	-----
P8888	28.9	-----	28.8	-----	33.1	-----
SY Glorius	29.9	-----	30.2	-----	34.3	-----
SY Enermax	31.6	-----	28.8	-----	35.6	-----
KWS Shako	32.5	-----	25.5	--	33.0	-----
KWS Sabino	28.1	----	28.1	-----	35.6	-----
SY Amfora	28.0	----	29.4	-----	34.9	-----
P9610	30.1	-----	27.5	-----	32.5	-----
Purple	27.0	---	26.4	---	31.1	--
KWS Editio	32.0	-----	29.2	-----	34.2	-----
DFI7ZM3E734	31.4	-----	28.5	-----	33.2	-----
LZM371/37	29.1	-----	28.9	-----	35.2	-----
Bismark	32.1	-----	29.8	-----	33.0	-----
KXC1211	30.0	-----	28.9	-----	35.5	-----
Consilio	31.1	-----	30.4	-----	34.7	-----
Fortello	31.7	-----	30.3	-----	35.1	-----
KXC1347	30.5	-----	27.2	-----	35.6	-----
KXC1368	31.0	-----	29.7	-----	34.7	-----
P9367	28.1	---	27.6	-----	32.0	---
P9639	29.0	-----	24.9	-	31.6	---
SC3360	31.1	-----	28.5	-----	35.6	-----
Mendy	27.9	---	26.2	---	31.7	---
SU Crumber	28.3	-----	28.5	-----	33.6	-----
P9911	25.4	-	25.0	-	30.3	-
LG 31280	29.3	-----	29.3	-----	32.9	-----
LG 31479	26.4	--	26.2	---	30.8	--
P8834	27.7	---	27.4	-----	34.6	-----
P9363	29.0	-----	26.8	-----	32.1	-----
KWS Inteligens	26.2	--	25.9	--	31.5	---
KWS Haiko	31.4	-----	29.8	-----	35.3	-----
-Bezugsgrösse(n)	28.1	----	28.8	-----	35.2	-----
Versuchs-Mittel	29.6	-----	28.1	-----	33.6	-----
VK [%]	4.2		3.9		2.5	
KGD (5%)	2.6		1.8		1.4	
KGD (1%)	3.5		2.4		1.8	
Versuchs-Streuung	1.3		1.1		0.8	
FG Fehlerterm	29.0		56.0		56.0	
Anz. Beob.	2.0		3.0		3.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	142.7 -	114.2 -	145.6 ----	141.2 -	176.6 ----
P8888	150.3 ----	128.3 ----	144.1 ----	168.0 ----	173.4 ----
SY Glorius	144.6 --	127.4 ----	146.3 ----	148.2 --	166.8 --
SY Enermax	152.2 ----	114.3 -	160.4 ----	181.9 ----	164.6 --
KWS Shako	147.5 ---	120.5 --	168.3 ----	165.3 ----	163.5 --
KWS Sabino	151.3 ----	134.7 ----	135.5 ---	166.8 ----	178.4 ----
SY Amfora	161.6 ----	129.3 ----	157.9 ----	170.5 ----	193.3 ----
P9610	157.7 ----	123.7 ---	184.1 ----	164.6 ----	170.2 ---
Purple	143.6 -	117.9 --	142.1 ---	155.9 ---	171.1 ---
KWS Editio	149.6 ----	131.6 ----	152.6 ----	145.2 -	177.0 ----
DFI7ZM3E734	142.1 -	129.8 ----	119.3 -	151.3 ---	171.5 ---
LZM371/37	159.6 ----	122.4 ---	154.0 ----	163.5 ----	200.8 ----
Bismark	148.7 ---	130.1 ----	154.6 ----	154.6 ---	170.7 ---
KXC1211	152.3 ----	128.7 ---	152.8 ----	161.6 ----	185.7 ----
Consilio	149.9 ----	130.4 ----	160.0 ----	165.3 ----	179.3 ----
Fortello	145.1 --	123.2 ---	139.7 ---	158.4 ---	167.0 ---
KXC1347	148.9 ---	122.6 ---	152.9 ----	171.4 ----	157.1 -
KXC1368	158.5 ----	154.9 ----	157.8 ----	160.6 ---	174.5 ----
P9367	153.7 ----	119.9 --	175.8 ----	165.4 ----	179.0 ----
P9639	150.1 ----	118.0 --	155.8 ----	186.2 ----	166.0 ---
SC3360	150.2 ----	120.8 ---	144.2 ----	167.8 ----	181.7 ----
Mendy	158.1 ----	121.8 ---	189.7 ----	181.0 ----	180.9 ----
SU Crumber	155.1 ----	121.5 ---	170.9 ----	166.8 ----	182.5 ----
P9911	143.0 -	112.8 -	160.3 ----	163.0 ---	163.4 --
LG 31280	150.4 ----	128.4 ----	159.5 ----	153.5 ---	187.9 ----
LG 31479	142.1 -	113.2 -	146.3 ----	176.6 ----	159.8 -
P8834	147.1 ---	117.5 --	137.8 ---	166.2 ----	188.0 ----
P9363	156.1 ----	127.7 ----	174.6 ----	180.2 ----	176.2 ----
KWS Inteligens	153.4 ----	120.8 ---	199.3 ----	162.2 ----	167.8 ---
KWS Haiko	152.3 ----	125.4 ----	162.8 ----	155.3 ---	181.8 ----
-Bezugsgrösse(n)	156.4 ----	132.0 ----	146.7 ----	168.7 ----	185.8 ----
Versuchs-Mittel	150.6 ----	124.4 ---	156.8 ----	163.9 ----	175.2 ----
VK [%]	8.5	8.9	11.3	8.0	6.2
KGD (5%)	7.9	ns	29.0	21.6	17.7
KGD (1%)	10.5	ns	38.5	ns	23.6
Versuchs-Streuung	12.8	11.1	17.7	13.2	10.8
FG Fehlerterm	366.0	55.0	58.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17168.4	29	3.63 ***	1.50	0.0001
Anbauorte	368072.8	6	376.02 ***	2.13	0.0000
WW Verf.*Anb.Orte	52699.2	174	1.86 ***	1.23	0.0006
Fehler	59710.3	366			
Insgesamt	497650.7	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	105.0	-----	150.6	--	165.8	-----
P8888	103.9	-----	172.4	-----	161.6	-----
SY Glorius	97.2	---	163.2	---	163.4	-----
SY Enermax	108.9	-----	164.6	---	171.0	-----
KWS Shako	110.5	-----	143.4	-	161.1	-----
KWS Sabino	110.5	-----	162.0	----	171.4	-----
SY Amfora	111.2	-----	187.2	-----	181.6	-----
P9610	114.1	-----	174.0	-----	173.3	-----
Purple	96.7	---	157.9	---	163.3	-----
KWS Editio	111.6	-----	166.4	-----	163.1	-----
DFI7ZM3E734	97.7	---	171.5	-----	153.3	---
LZM371/37	91.3	-	198.0	-----	187.2	-----
Bismark	100.4	---	186.3	-----	144.4	-
KXC1211	100.7	---	166.1	-----	170.4	-----
Consilio	91.8	-	168.0	-----	154.3	---
Fortello	94.8	--	174.0	-----	158.7	-----
KXC1347	109.0	-----	159.1	---	170.5	-----
KXC1368	106.1	-----	175.6	-----	180.0	-----
P9367	105.3	-----	172.1	-----	158.2	-----
P9639	111.9	-----	156.5	---	156.2	-----
SC3360	118.0	-----	160.6	-----	158.5	-----
Mendy	101.4	-----	170.2	-----	161.8	-----
SU Crumber	105.3	-----	176.0	-----	162.4	-----
P9911	90.0	-	154.6	---	156.9	-----
LG 31280	92.7	--	168.1	-----	162.8	-----
LG 31479	96.7	---	160.6	-----	141.4	-
P8834	92.1	-	166.1	-----	161.7	-----
P9363	103.1	-----	164.3	-----	166.6	-----
KWS Inteligens	98.8	-----	162.2	-----	162.9	-----
KWS Haiko	95.3	--	174.5	-----	170.8	-----
-Bezugsgrösse(n)	110.8	-----	174.6	-----	176.5	-----
Versuchs-Mittel	102.4	-----	167.5	-----	163.8	-----
VK [%]	8.2		8.2		6.3	
KGD (5%)	ns		22.4		16.8	
KGD (1%)	ns		ns		22.3	
Versuchs-Streuung	8.4		13.7		10.3	
FG Fehlerterm	29.0		56.0		56.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	76.3 ---	64.2 ----	84.7 ----	82.7 -	89.0 ----
P8888	77.7 ----	69.8 ----	79.1 ---	98.8 ----	84.6 --
SY Glorius	80.8 ----	77.8 ----	88.2 ----	81.4 -	90.8 ---
SY Enermax	85.8 ----	63.8 ---	96.7 ----	113.4 ----	87.5 ---
KWS Shako	77.6 ---	63.1 ---	94.4 ----	95.0 ----	81.4 -
KWS Sabino	86.6 ----	75.5 ----	81.8 ---	104.4 ----	100.4 ----
SY Amfora	89.3 ----	73.1 ----	90.3 ----	97.4 ----	106.5 ----
P9610	88.9 ----	66.3 ---	117.3 ----	96.6 ----	95.3 ----
Purple	79.3 ----	63.7 ---	81.9 ---	87.5 --	100.8 ----
KWS Editio	87.1 ----	78.1 ----	88.6 ----	89.3 ---	101.1 ----
DFI7ZM3E734	75.3 ---	74.5 ----	67.5 -	85.4 --	88.0 ---
LZM371/37	88.8 ----	73.5 ----	86.8 ---	101.1 ----	110.9 ----
Bismark	88.2 ----	79.3 ----	97.3 ----	97.1 ----	101.3 ----
KXC1211	87.0 ----	73.7 ---	85.2 ---	108.5 ----	106.2 ----
Consilio	84.9 ----	74.6 ----	94.8 ----	105.2 ----	102.9 ----
Fortello	81.4 ----	66.2 ---	83.8 ---	97.1 ----	93.5 ----
KXC1347	88.2 ----	72.3 ----	93.6 ----	112.5 ----	90.2 ---
KXC1368	88.3 ----	88.6 ----	91.4 ---	99.6 ----	96.3 ----
P9367	85.6 ----	64.1 ---	109.2 ----	98.7 ----	97.9 ----
P9639	79.5 ----	58.1 --	91.0 ---	104.3 ----	86.9 ---
SC3360	85.3 ----	67.1 ---	85.0 ---	103.2 ----	101.7 ----
Mendy	85.5 ----	63.0 ---	117.0 ----	105.3 ----	92.0 ----
SU Crumber	87.9 ----	68.1 ---	99.7 ----	96.3 ----	109.3 ----
P9911	75.2 ---	55.2 -	93.8 ---	90.8 ---	88.4 ---
LG 31280	89.1 ----	82.3 ----	99.1 ----	88.3 ---	110.8 ----
LG 31479	71.2 -	54.1 -	80.6 ---	97.5 ----	79.5 -
P8834	81.1 ----	64.5 ---	79.7 ---	97.8 ----	102.6 ----
P9363	85.3 ----	66.6 ---	109.6 ----	101.1 ----	93.8 ----
KWS Inteligens	78.4 ----	59.6 --	117.0 ----	84.9 --	78.6 -
KWS Haiko	86.3 ----	74.9 ----	103.8 ----	89.9 ---	102.5 ----
-Bezugsgrösse(n)	87.9 ----	74.3 ----	86.1 ---	100.9 ----	103.4 ----
Versuchs-Mittel	83.4 ----	69.2 ----	93.0 ----	97.0 ----	95.7 ----
VK [%]	11.5	13.1	14.4	12.3	7.9
KGD (5%)	6.0	14.8	22.0	ns	12.3
KGD (1%)	7.9	19.7	29.2	ns	16.4
Versuchs-Streuung	9.6	9.0	13.4	11.9	7.5
FG Fehlerterm	366.0	55.0	56.0	56.0	58.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	15153.7	29	5.67 ***	1.50	0.0000
Anbauorte	151661.6	6	274.17 ***	2.13	0.0000
WW Verf.*Anb.Orte	28773.2	174	1.79 ***	1.23	0.0007
Fehler	33742.6	366			
Insgesamt	229331.0	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	51.3	-----	76.1	--	86.2	-----
P8888	49.3	----	83.5	----	78.7	----
SY Glorius	48.3	----	89.0	-----	89.8	-----
SY Enermax	55.6	-----	88.6	-----	95.4	-----
KWS Shako	51.6	-----	71.7	-	86.0	-----
KWS Sabino	57.5	-----	88.2	----	98.1	-----
SY Amfora	55.5	-----	101.6	-----	100.5	-----
P9610	57.8	-----	97.1	-----	92.3	-----
Purple	49.1	----	87.1	-----	84.6	----
KWS Editio	59.4	-----	97.2	-----	95.8	-----
DFI7ZM3E734	43.4	--	91.7	-----	76.8	--
LZM371/37	45.1	--	98.1	-----	106.0	-----
Bismark	52.0	-----	107.8	-----	82.9	----
KXC1211	53.2	-----	87.6	-----	94.8	-----
Consilio	47.0	----	92.2	-----	77.4	--
Fortello	47.4	----	97.9	-----	84.3	----
KXC1347	59.0	-----	93.7	-----	96.0	-----
KXC1368	52.3	-----	99.2	-----	90.8	-----
P9367	51.0	-----	93.3	-----	84.9	-----
P9639	52.1	-----	82.5	----	81.9	----
SC3360	61.6	-----	91.7	-----	86.9	-----
Mendy	47.7	----	89.5	-----	83.8	----
SU Crumber	52.1	-----	101.6	-----	88.5	-----
P9911	42.3	-	81.4	----	75.0	--
LG 31280	50.0	-----	99.2	-----	94.1	-----
LG 31479	41.4	-	74.2	-	71.0	-
P8834	43.6	--	95.3	-----	84.2	----
P9363	50.0	-----	87.0	-----	88.9	-----
KWS Inteligens	45.9	----	80.2	----	82.8	----
KWS Haiko	48.3	----	93.4	-----	91.4	-----
-Bezugsgrösse(n)	56.5	-----	94.9	-----	99.3	-----
Versuchs-Mittel	50.7	----	90.6	-----	87.7	----
VK [%]	10.6		10.2		7.3	
KGD (5%)	11.0		15.1		10.4	
KGD (1%)	ns		20.1		13.9	
Versuchs-Streuung	5.4		9.2		6.4	
FG Fehlerterm	29.0		56.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	668.8 -	679.7 ----	689.0 ---	670.0 -	663.7 ---
P8888	675.6 ---	695.7 -----	679.0 --	704.7 -----	668.0 ---
SY Glorius	672.1 --	670.3 ---	707.0 -----	678.7 --	653.7 -
SY Enermax	683.4 -----	685.7 -----	700.7 -----	702.7 -----	663.0 --
KWS Shako	673.6 --	677.7 ----	695.7 ----	701.3 -----	653.7 -
KWS Sabino	698.6 -----	705.0 -----	706.0 -----	725.0 -----	699.7 -----
SY Amfora	707.8 -----	709.0 -----	718.3 -----	701.0 -----	702.7 -----
P9610	687.2 -----	695.3 -----	728.0 -----	681.0 --	671.3 ---
Purple	666.1 -	653.5 -	680.7 --	682.7 --	673.3 ----
KWS Editio	696.7 -----	715.3 -----	703.0 ----	690.0 ---	688.3 -----
DFI7ZM3E734	679.0 ----	720.0 -----	673.0 -	691.3 ----	661.7 --
LZM371/37	698.2 -----	693.3 ----	713.0 -----	708.7 -----	697.3 -----
Bismark	707.2 -----	730.0 -----	716.3 -----	716.3 -----	694.0 -----
KXC1211	689.6 ----	700.0 ----	693.7 ---	712.7 -----	689.7 -----
Consilio	689.2 ----	705.0 ----	702.0 ----	697.3 ----	677.3 ----
Fortello	684.4 ----	696.3 ----	693.7 ----	699.0 ----	662.7 --
KXC1347	688.1 ----	706.7 ----	706.0 ----	719.0 -----	660.7 --
KXC1368	696.3 -----	721.0 -----	702.3 ----	698.0 ---	687.3 ----
P9367	676.8 ---	663.3 --	723.0 -----	696.7 ---	672.7 ---
P9639	682.0 ----	666.3 --	706.7 ----	718.3 -----	679.7 ----
SC3360	701.0 -----	703.3 -----	711.7 -----	722.7 -----	693.3 -----
Mendy	683.0 ----	669.7 ---	720.3 -----	712.7 -----	682.7 ----
SU Crumber	702.9 -----	686.7 ----	719.3 -----	742.7 -----	695.3 -----
P9911	667.5 -	654.3 -	703.0 ----	689.0 ---	662.7 --
LG 31280	689.2 ----	725.3 -----	714.3 -----	682.0 --	703.7 -----
LG 31479	683.9 ----	675.7 ---	696.3 ----	721.0 -----	671.7 ----
P8834	687.9 ----	684.7 ----	691.7 ----	717.3 -----	703.7 -----
P9363	685.0 ----	661.3 --	735.3 -----	716.3 -----	689.7 ----
KWS Inteligens	675.8 ---	679.7 ----	718.7 -----	681.3 --	666.3 ---
KWS Haiko	692.5 -----	701.3 -----	720.7 -----	687.0 ---	695.0 -----
-Bezugsgrösse(n)	703.2 -----	707.0 -----	712.2 -----	713.0 -----	701.2 -----
Versuchs-Mittel	686.3 ----	691.0 ----	705.6 ----	702.2 ----	679.5 ----
VK [%]	3.0	3.2	3.3	3.7	2.7
KGD (5%)	12.6	35.7	ns	ns	30.2
KGD (1%)	16.7	47.5	ns	ns	40.2
Versuchs-Streuung	20.3	21.8	23.3	25.8	18.5
FG Fehlerterm	366.0	55.0	56.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	76342.1	29	6.36 ***	1.50	0.0000
Anbauorte	210441.9	6	84.77 ***	2.13	0.0000
WW Verf.*Anb.Orte	97167.3	174	1.35 ns	1.23	
Fehler	151433.5	366			
Insgesamt	535384.8	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	663.0	-----	626.7	-	689.7	---
P8888	648.5	-----	647.7	---	685.7	---
SY Glorius	629.0	---	669.0	-----	697.0	----
SY Enermax	656.5	-----	669.7	-----	705.7	-----
KWS Shako	642.0	----	652.7	----	692.0	----
KWS Sabino	672.5	-----	676.0	-----	706.0	-----
SY Amfora	681.5	-----	702.7	-----	739.7	-----
P9610	661.0	-----	669.3	-----	704.7	----
Purple	628.5	---	654.0	----	690.3	---
KWS Editio	678.0	-----	671.3	-----	731.0	-----
DFI7ZM3E734	647.5	-----	668.0	-----	691.3	----
LZM371/37	647.5	-----	699.7	-----	728.0	-----
Bismark	676.0	-----	689.3	-----	728.7	-----
KXC1211	647.0	-----	672.0	-----	712.3	-----
Consilio	661.5	-----	661.3	----	719.7	-----
Fortello	655.5	-----	675.7	-----	708.0	-----
KXC1347	645.5	-----	671.3	-----	707.7	-----
KXC1368	664.0	-----	697.0	-----	704.7	----
P9367	629.5	---	681.0	-----	671.3	-
P9639	665.5	-----	650.7	----	687.0	---
SC3360	674.5	-----	689.7	-----	712.0	-----
Mendy	651.5	-----	656.7	-----	687.7	---
SU Crumber	666.5	-----	672.3	-----	737.3	-----
P9911	608.5	-	661.0	----	694.0	----
LG 31280	636.0	----	668.3	----	695.0	----
LG 31479	660.0	-----	683.0	-----	679.3	--
P8834	637.5	----	668.3	-----	712.3	-----
P9363	640.0	----	653.0	----	699.3	-----
KWS Inteligens	641.0	----	650.0	----	693.3	----
KWS Haiko	641.5	----	693.7	-----	708.3	-----
-Bezugsgrösse(n)	677.0	-----	689.3	-----	722.8	-----
Versuchs-Mittel	651.9	-----	670.0	-----	704.0	----
VK [%]	2.1		3.0		1.8	
KGD (5%)	27.8		33.4		20.7	
KGD (1%)	37.5		44.4		27.6	
Versuchs-Streuung	13.6		20.4		12.7	
FG Fehlerterm	29.0		58.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	358.8 ---	382.6 ----	401.8 ----	392.6 ----	334.7 ---
P8888	349.6 --	378.7 ----	374.6 -	414.6 ----	326.4 --
SY Glorius	374.6 ----	409.1 ----	428.1 ----	369.7 --	356.8 ----
SY Enermax	383.0 ----	381.4 ----	423.5 ----	434.3 ----	351.4 ----
KWS Shako	352.3 --	354.7 ---	390.2 --	402.1 ----	324.9 --
KWS Sabino	398.6 -----	394.6 -----	426.7 -----	453.1 -----	394.1 -----
SY Amfora	389.8 -----	400.5 -----	411.4 -----	399.5 -----	387.0 -----
P9610	384.4 ----	367.8 ---	463.2 ----	399.6 ----	375.4 ----
Purple	365.6 ---	353.3 --	391.2 --	382.0 ---	397.0 ----
KWS Editio	404.7 -----	424.0 -----	409.2 ----	424.7 ----	393.4 ----
DF17ZM3E734	359.2 ---	413.8 ----	379.6 -	389.9 ---	339.8 ---
LZM371/37	388.8 ----	416.7 ----	402.2 ----	438.7 ----	385.8 ----
Bismark	417.7 -----	445.2 -----	449.4 -----	450.0 ----	412.0 ----
KXC1211	393.2 ----	400.9 ----	386.4 --	477.1 -----	395.4 ----
Consilio	387.7 ----	403.8 ----	414.8 ----	444.8 ----	388.7 ----
Fortello	381.6 ----	370.9 ---	416.9 ----	428.8 ----	370.8 ----
KXC1347	406.0 -----	416.4 ----	430.7 ----	471.2 -----	378.9 ----
KXC1368	386.7 ----	411.2 ----	407.3 ---	432.7 ----	380.1 ----
P9367	373.7 ----	347.8 ---	449.2 ----	415.0 ----	368.1 ----
P9639	358.7 ---	328.1 -	413.2 ----	402.6 ----	355.8 ----
SC3360	396.5 -----	390.5 ----	417.3 ----	444.3 ----	387.9 ----
Mendy	365.8 ----	346.6 ---	444.2 ----	414.8 ----	347.9 ---
SU Crumber	395.6 -----	383.2 ----	420.6 ----	429.0 ----	416.3 ----
P9911	348.1 --	319.0 -	410.7 ----	383.5 ---	358.4 ----
LG 31280	407.5 -----	462.9 -----	443.0 ----	392.3 ---	414.8 ----
LG 31479	339.4 -	322.6 -	383.9 --	398.0 ----	334.6 ---
P8834	375.9 ----	372.0 ----	398.6 ---	420.9 ----	384.3 ----
P9363	372.4 ----	345.0 --	463.5 ----	402.1 ----	368.2 ----
KWS Inteligens	342.1 -	334.2 --	421.5 ----	356.4 -	312.4 -
KWS Haiko	391.9 ----	418.3 ----	459.6 ----	396.6 ----	391.6 ----
-Bezugsgrösse(n)	394.2 -----	397.6 -----	419.1 -----	426.3 -----	390.5 -----
Versuchs-Mittel	378.3 ----	383.2 ----	417.8 ----	415.4 ----	371.1 ----
VK [%]	7.3	8.3	8.1	8.8	5.8
KGD (5%)	17.1	52.0	ns	60.0	35.4
KGD (1%)	22.5	69.3	ns	ns	47.2
Versuchs-Streuung	27.5	31.8	33.7	36.7	21.7
FG Fehlerterm	366.0	55.0	56.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	251108.1	29	11.49 ***	1.50	0.0000
Anbauorte	548504.1	6	121.26 ***	2.13	0.0000
WW Verf.*Anb.Orte	193159.4	174	1.47 ns	1.23	
Fehler	275925.9	366			
Insgesamt	1268697.	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	324.6	-----	316.9	-	358.7	---
P8888	306.7	---	312.1	-	334.2	-
SY Glorius	312.8	---	363.6	-----	382.3	-----
SY Enermax	335.8	-----	360.3	-----	394.1	-----
KWS Shako	299.2	---	327.1	--	368.1	---
KWS Sabino	350.7	-----	367.2	-----	404.1	-----
SY Amfora	340.4	-----	380.5	-----	409.3	-----
P9610	335.4	-----	373.4	-----	375.8	----
Purple	317.9	----	360.4	-----	357.6	---
KWS Editio	361.4	-----	390.8	-----	429.2	-----
DFI7ZM3E734	287.4	-	357.2	-----	346.6	--
LZM371/37	319.5	----	346.4	-----	412.6	-----
Bismark	349.7	-----	398.9	-----	418.9	-----
KXC1211	341.0	-----	355.8	-----	396.2	-----
Consilio	338.3	-----	362.5	-----	361.5	----
Fortello	327.3	-----	380.0	-----	376.3	-----
KXC1347	349.3	-----	395.7	-----	400.1	-----
KXC1368	326.8	-----	393.6	-----	355.3	---
P9367	304.6	---	370.7	-----	360.1	----
P9639	309.0	----	343.0	----	359.6	----
SC3360	351.8	-----	393.6	-----	390.3	-----
Mendy	306.5	----	344.8	----	356.0	---
SU Crumber	330.6	-----	388.1	-----	401.6	-----
P9911	286.3	-	347.7	----	331.2	-
LG 31280	343.3	-----	394.7	-----	401.8	-----
LG 31479	282.9	-	312.8	-	340.9	--
P8834	301.9	---	383.7	-----	369.9	-----
P9363	310.3	----	344.2	----	373.3	-----
KWS Inteligens	296.1	--	321.8	--	352.3	---
KWS Haiko	325.2	-----	371.7	-----	380.0	-----
-Bezugsgrösse(n)	345.6	-----	373.9	-----	406.7	-----
Versuchs-Mittel	322.4	-----	362.0	-----	376.6	-----
VK [%]	5.8		6.2		4.5	
KGD (5%)	38.3		36.5		27.6	
KGD (1%)	51.6		48.6		36.8	
Versuchs-Streuung	18.7		22.3		16.9	
FG Fehlerterm	29.0		58.0		56.0	
Anz. Beob.	2.0		3.0		3.0	
Insgesamt	831911.0		577			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	192.9	184.4	182.7	186.3	204.2
P8888	192.2	184.7	183.4	175.1	201.9
SY Glorius	188.9	176.9	166.3	190.3	203.3
SY Enermax	185.3	184.6	170.4	174.9	202.1
KWS Shako	194.8	192.6	177.0	178.9	214.1
KWS Sabino	178.6	173.6	176.8	166.3	176.6
SY Amfora	178.7	180.4	168.8	182.0	183.1
P9610	189.8	191.0	158.5	198.0	200.4
Purple	187.3	198.9	176.1	175.7	181.6
KWS Editio	170.5	161.4	163.8	171.4	178.2
DFI7ZM3E734	184.2	159.2	181.9	175.3	200.7
LZM371/37	174.6	172.8	166.2	162.4	175.8
Bismark	161.6	145.4	157.3	150.4	172.3
KXC1211	174.9	176.7	172.5	148.9	175.3
Consilio	170.4	164.9	158.7	156.6	178.7
Fortello	178.7	178.7	165.1	172.1	192.9
KXC1347	174.2	168.0	160.5	155.9	195.4
KXC1368	180.6	169.9	176.8	173.9	188.7
P9367	191.1	198.1	168.4	181.0	197.5
P9639	195.7	207.9	182.7	185.0	197.8
SC3360	180.9	177.8	179.4	167.9	186.6
Mendy	190.9	200.5	166.5	176.4	196.8
SU Crumber	170.1	178.2	157.9	152.3	169.9
P9911	201.3	207.2	182.0	197.7	199.4
LG 31280	170.3	145.2	151.6	176.8	170.1
LG 31479	196.3	210.5	187.8	178.1	199.9
P8834	188.4	194.7	182.4	176.8	184.7
P9363	189.3	209.6	145.6	181.5	191.3
KWS Inteligens	197.3	199.7	161.7	197.9	210.4
KWS Haiko	173.0	165.6	135.4	184.6	177.8
-Bezugsgrösse(n)	178.6	177.0	172.8	174.1	179.9
Versuchs-Mittel	183.4	182.0	168.8	175.0	190.2
VK [%]	7.1	7.8	8.9	10.2	5.9
KGD (5%)	8.1	23.2	24.5	ns	18.2
KGD (1%)	10.6	30.9	ns	ns	24.2
Versuchs-Streuung	13.0	14.2	15.0	17.8	11.1
FG Fehlerterm	368.0	55.0	56.0	56.0	58.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	59625.1	29	12.18 ***	1.50	0.0000
Anbauorte	83748.5	6	82.72 ***	2.13	0.0000
WW Verf.*Anb.Orte	41402.8	174	1.41 ns	1.23	
Fehler	62096.1	368			
Insgesamt	246872.5	577			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	198.4	----	217.7	-----	177.0	-----
P8888	203.6	----	217.0	-----	179.5	-----
SY Glorius	215.2	-----	195.9	----	174.1	-----
SY Enermax	197.8	----	195.9	----	171.5	----
KWS Shako	214.0	-----	214.1	-----	173.0	-----
KWS Sabino	188.4	--	199.1	-----	169.1	-----
SY Amfora	188.4	--	189.7	----	158.6	---
P9610	203.2	----	200.3	-----	177.5	-----
Purple	204.5	----	199.7	-----	174.4	-----
KWS Editio	180.4	-	190.4	----	147.9	-
DFI7ZM3E734	204.3	-----	191.7	----	176.2	-----
LZM371/37	202.4	-----	188.8	---	153.9	--
Bismark	178.3	-	177.7	-	150.0	-
KXC1211	191.6	---	193.8	-----	165.2	----
Consilio	181.0	-	192.4	----	160.4	----
Fortello	190.5	---	185.8	---	166.1	-----
KXC1347	194.0	---	181.9	--	163.4	----
KXC1368	198.3	----	179.0	-	177.3	-----
P9367	214.0	-----	190.3	----	188.7	-----
P9639	202.3	-----	210.1	-----	183.9	-----
SC3360	197.1	----	186.9	---	170.3	-----
Mendy	211.6	-----	204.7	-----	179.9	-----
SU Crumber	195.5	----	182.6	--	154.2	--
P9911	234.1	-----	202.7	-----	186.1	-----
LG 31280	207.6	-----	181.8	--	159.2	---
LG 31479	215.2	-----	195.1	-----	187.2	-----
P8834	216.6	-----	191.1	----	172.6	-----
P9363	213.2	-----	204.8	-----	179.2	-----
KWS Inteligens	216.7	-----	215.2	-----	179.6	-----
KWS Haiko	200.2	-----	182.2	--	165.2	----
-Bezugsgrösse(n)	188.4	--	194.4	-----	163.9	-----
Versuchs-Mittel	201.9	-----	195.3	-----	170.7	-----
VK [%]	4.2		6.3		4.0	
KGD (5%)	17.5		20.1		11.1	
KGD (1%)	23.6		26.7		14.8	
Versuchs-Streuung	8.6		12.3		6.8	
FG Fehlerterm	29.0		58.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	451.2	468.6	436.7	453.4	451.3
P8888	440.3	446.1	432.7	420.6	449.8
SY Glorius	427.9	437.9	380.8	436.9	451.9
SY Enermax	425.8	438.5	393.0	422.4	448.6
KWS Shako	436.4	450.7	406.7	421.6	451.9
KWS Sabino	414.7	424.8	407.9	386.2	414.1
SY Amfora	411.9	427.6	396.6	422.9	414.8
P9610	430.9	446.0	380.8	447.1	439.9
Purple	421.5	467.1	404.1	413.5	393.9
KWS Editio	391.0	384.7	374.5	404.4	394.5
DFI7ZM3E734	419.2	392.8	416.8	416.3	439.5
LZM371/37	407.6	420.6	389.9	392.1	397.0
Bismark	373.3	359.9	362.4	364.4	372.5
KXC1211	399.1	414.0	397.4	361.1	388.3
Consilio	379.0	386.9	359.4	361.5	381.9
Fortello	409.1	422.1	384.2	400.4	427.6
KXC1347	417.0	422.9	393.7	391.6	438.3
KXC1368	426.6	418.4	418.8	419.6	420.4
P9367	438.9	468.8	391.6	426.1	432.3
P9639	441.5	478.6	414.5	422.3	436.3
SC3360	423.1	435.0	409.3	395.4	424.4
Mendy	430.5	471.3	378.6	407.6	431.0
SU Crumber	388.0	423.2	364.0	353.3	375.9
P9911	446.6	482.0	408.6	441.8	439.2
LG 31280	395.3	368.2	359.4	411.7	379.9
LG 31479	441.9	473.6	430.2	413.2	447.7
P8834	436.0	471.8	420.5	415.4	420.6
P9363	424.1	469.4	355.5	404.1	412.1
KWS Inteligens	440.3	464.1	388.6	439.6	445.9
KWS Haiko	404.3	410.9	343.9	416.7	404.2
-Bezugsgrösse(n)	413.3	426.2	402.3	404.5	414.5
Versuchs-Mittel	419.8	434.9	393.4	409.4	420.9
VK [%]	5.8	6.2	7.8	7.4	4.6
KGD (5%)	15.0	43.8	50.2	49.7	31.7
KGD (1%)	19.8	58.3	ns	66.2	42.1
Versuchs-Streuung	24.2	26.7	30.7	30.4	19.4
FG Fehlerterm	368.0	55.0	56.0	56.0	58.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	242400.9	29	14.32 ***	1.50	0.0000
Anbauorte	244601.3	6	69.87 ***	2.13	0.0000
WW Verf.*Anb.Orte	130177.5	174	1.28 ns	1.23	
Fehler	214731.3	368			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	456.7	-----	478.6	-----	412.9	-----
P8888	460.1	-----	468.8	-----	403.9	-----
SY Glorius	465.4	-----	431.6	-----	390.8	-----
SY Enermax	449.6	-----	429.9	-----	398.7	-----
KWS Shako	482.3	-----	451.5	-----	390.3	-----
KWS Sabino	436.0	---	441.4	-----	392.8	-----
SY Amfora	425.3	---	424.8	---	371.3	---
P9610	464.5	-----	434.9	-----	402.9	-----
Purple	445.2	-----	436.7	-----	390.1	-----
KWS Editio	423.9	---	411.2	---	343.6	-
DFI7ZM3E734	457.3	-----	419.9	-----	392.1	-----
LZM371/37	461.7	-----	424.1	-----	367.7	---
Bismark	412.5	--	394.4	-	347.2	-
KXC1211	439.1	-----	419.9	-----	373.6	---
Consilio	402.8	-	401.1	-	359.3	--
Fortello	436.1	---	413.0	---	380.6	---
KXC1347	447.5	-----	417.2	---	407.9	-----
KXC1368	462.8	-----	419.0	-----	426.9	-----
P9367	483.0	-----	427.7	-----	442.8	-----
P9639	457.2	-----	451.6	-----	430.2	-----
SC3360	463.7	-----	423.5	-----	410.5	-----
Mendy	472.3	-----	434.4	-----	418.0	-----
SU Crumber	440.5	-----	400.5	-	358.6	--
P9911	494.4	-----	434.6	-----	425.7	-----
LG 31280	456.7	-----	408.1	--	383.1	-----
LG 31479	465.9	-----	429.5	-----	433.2	-----
P8834	477.3	-----	434.2	-----	411.9	-----
P9363	469.3	-----	449.0	-----	409.2	-----
KWS Inteligens	471.8	-----	451.0	-----	421.1	-----
KWS Haiko	448.0	-----	409.9	--	396.7	-----
-Bezugsgrösse(n)	430.6	---	433.1	-----	382.0	---
Versuchs-Mittel	454.3	-----	429.1	-----	396.5	-----
VK [%]	3.5		5.4		3.4	
KGD (5%)	32.4		38.1		22.3	
KGD (1%)	43.6		50.7		29.7	
Versuchs-Streuung	15.8		23.3		13.7	
FG Fehlerterm	29.0		58.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	78.3 -----	86.1 -----	77.5 -----	70.2 -----	78.0 -----
P8888	78.6 -----	83.6 -----	79.1 -----	71.3 -----	76.3 -----
SY Glorius	79.2 -----	84.4 -----	82.0 -----	70.6 -----	76.5 -----
SY Enermax	74.0 ---	85.2 -----	74.8 ---	66.0 ---	71.6 ---
KWS Shako	74.6 ---	82.3 ---	75.8 ---	63.8 --	74.9 ---
KWS Sabino	73.6 ---	82.9 -----	71.8 ---	67.0 -----	70.2 --
SY Amfora	74.6 ---	83.0 -----	77.5 -----	65.7 ---	68.3 -
P9610	71.5 --	77.1 --	73.5 ---	61.7 -	70.3 --
Purple	80.4 -----	85.8 -----	84.2 -----	75.1 -----	79.5 -----
KWS Editio	77.0 -----	83.4 -----	79.9 -----	67.0 -----	76.3 -----
DFI7ZM3E734	81.4 -----	88.9 -----	83.4 -----	71.9 -----	77.8 -----
LZM371/37	78.1 -----	82.7 -----	77.1 -----	66.8 ---	77.3 -----
Bismark	82.0 -----	90.7 -----	82.2 -----	73.9 -----	81.8 -----
KXC1211	78.7 -----	85.1 -----	78.9 -----	71.1 -----	80.2 -----
Consilio	82.8 -----	87.6 -----	83.1 -----	72.6 -----	83.4 -----
Fortello	78.3 -----	82.9 -----	78.4 -----	68.7 -----	78.3 -----
KXC1347	75.8 -----	80.4 ---	80.3 -----	69.6 -----	73.4 ---
KXC1368	70.8 -	76.9 --	72.1 ---	61.4 -	71.9 ---
P9367	72.5 ---	79.4 ---	70.5 --	62.6 -	71.3 ---
P9639	71.4 --	74.8 -	71.6 ---	64.6 ---	70.6 --
SC3360	69.8 -	81.4 -----	68.5 -	65.7 -----	69.1 -
Mendy	75.2 -----	80.9 ---	75.3 -----	67.2 -----	74.8 -----
SU Crumber	77.1 -----	83.0 -----	78.4 -----	72.6 -----	74.5 -----
P9911	75.7 -----	81.2 -----	73.5 ---	64.7 ---	76.1 -----
LG 31280	80.9 -----	84.0 -----	82.4 -----	75.6 -----	79.1 -----
LG 31479	73.5 ---	78.1 ---	75.5 -----	64.7 ---	72.2 ---
P8834	73.4 ---	77.4 --	72.9 ---	66.3 -----	71.0 --
P9363	72.8 ---	78.5 ---	75.4 -----	65.6 -----	71.5 ---
KWS Inteligens	74.8 -----	79.4 ---	76.7 -----	64.2 ---	73.5 -----
KWS Haiko	76.5 -----	81.8 -----	77.4 -----	69.1 -----	74.9 -----
-Bezugsgrösse(n)	74.1 ---	83.0 -----	74.7 -----	66.4 ---	69.3 -
Versuchs-Mittel	76.1 -----	82.3 -----	77.0 -----	67.9 -----	74.8 -----
VK [%]	4.0	3.4	3.8	5.3	3.8
KGD (5%)	1.9	4.6	4.8	5.9	4.7
KGD (1%)	2.5	6.1	6.4	7.8	6.2
Versuchs-Streuung	3.0	2.8	2.9	3.6	2.9
FG Fehlerterm	366.0	55.0	56.0	58.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7081.1	29	26.87 ***	1.50	0.0000
Anbauorte	9746.9	6	178.78 ***	2.13	0.0000
WW Verf.*Anb.Orte	2577.1	174	1.63 ns	1.23	
Fehler	3325.7	366			
Insgesamt	22730.8	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	82.0	-----	74.6	----	79.8	-----
P8888	81.2	-----	76.0	-----	82.9	-----
SY Glorius	81.0	-----	77.3	-----	82.5	-----
SY Enermax	72.8	---	74.7	----	73.2	---
KWS Shako	72.5	---	75.5	----	77.3	----
KWS Sabino	79.1	-----	71.3	---	73.1	---
SY Amfora	79.9	-----	72.8	----	75.3	----
P9610	69.1	--	74.7	----	73.8	----
Purple	82.7	-----	77.3	-----	78.2	-----
KWS Editio	74.7	----	76.7	-----	81.1	-----
DFI7ZM3E734	83.0	-----	84.7	-----	80.0	-----
LZM371/37	86.7	-----	79.3	-----	76.8	----
Bismark	81.8	-----	79.7	-----	83.9	-----
KXC1211	79.2	-----	80.4	-----	76.3	----
Consilio	89.3	-----	80.4	-----	83.1	-----
Fortello	80.5	-----	79.2	-----	80.0	-----
KXC1347	75.5	----	75.9	----	75.8	----
KXC1368	70.1	--	71.2	---	72.1	--
P9367	79.0	-----	73.0	----	72.0	--
P9639	72.0	---	75.2	----	70.7	-
SC3360	66.8	-	67.6	-	69.5	-
Mendy	79.4	-----	74.0	----	74.8	----
SU Crumber	80.4	-----	73.8	----	76.7	-----
P9911	80.5	-----	79.4	-----	74.8	----
LG 31280	82.8	-----	79.6	-----	83.0	-----
LG 31479	78.1	-----	76.1	-----	70.1	-
P8834	77.2	----	74.0	----	74.7	----
P9363	74.9	----	72.0	---	71.8	--
KWS Inteligens	79.9	-----	76.7	-----	73.0	---
KWS Haiko	82.1	-----	75.0	----	75.5	----
-Bezugsgrösse(n)	79.5	-----	72.0	---	74.2	----
Versuchs-Mittel	78.4	-----	75.9	----	76.4	-----
VK [%]	3.7		4.4		3.3	
KGD (5%)	5.9		5.5		4.1	
KGD (1%)	7.9		7.3		5.4	
Versuchs-Streuung	2.9		3.3		2.5	
FG Fehlerterm	29.0		56.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	6.0 -	6.1 ----	6.2 ---	6.0 -	6.0 ---
P8888	6.1 ---	6.3 -----	6.1 --	6.4 -----	6.0 ----
SY Glorius	6.1 --	6.0 ---	6.5 -----	6.1 --	5.8 -
SY Enermax	6.2 -----	6.2 -----	6.4 ----	6.4 ----	5.9 --
KWS Shako	6.1 --	6.1 ----	6.3 ----	6.4 ----	5.8 -
KWS Sabino	6.3 -----	6.4 -----	6.4 -----	6.6 -----	6.3 -----
SY Amfora	6.4 -----	6.4 -----	6.6 -----	6.4 -----	6.4 -----
P9610	6.2 -----	6.3 -----	6.7 -----	6.1 --	6.1 ----
Purple	6.0 -	5.9 -	6.1 --	6.2 ---	6.1 ----
KWS Editio	6.3 -----	6.5 -----	6.4 -----	6.2 ----	6.2 -----
DF17ZM3E734	6.1 ---	6.6 -----	6.0 -	6.2 ----	5.9 --
LZM371/37	6.3 -----	6.3 ----	6.5 -----	6.4 ----	6.3 -----
Bismark	6.4 -----	6.7 -----	6.5 -----	6.5 -----	6.3 -----
KXC1211	6.2 ----	6.4 ----	6.3 ---	6.5 -----	6.2 -----
Consilio	6.2 ----	6.4 ----	6.4 ----	6.3 ----	6.1 ----
Fortello	6.2 ----	6.3 ----	6.3 ----	6.3 ----	5.9 --
KXC1347	6.2 ----	6.4 ----	6.4 ----	6.6 -----	5.9 --
KXC1368	6.3 -----	6.6 -----	6.4 ----	6.3 ----	6.2 ----
P9367	6.1 ---	6.0 --	6.6 -----	6.3 ---	6.1 ----
P9639	6.2 ----	6.0 --	6.5 -----	6.6 -----	6.1 ----
SC3360	6.4 -----	6.4 -----	6.5 -----	6.6 -----	6.3 -----
Mendy	6.2 ----	6.0 --	6.6 -----	6.5 -----	6.2 ----
SU Crumber	6.4 -----	6.2 ----	6.6 -----	6.8 -----	6.3 -----
P9911	6.0 -	5.9 -	6.4 ----	6.2 ---	6.0 ---
LG 31280	6.2 ----	6.6 -----	6.5 -----	6.2 ---	6.4 -----
LG 31479	6.2 ----	6.1 ---	6.3 ----	6.6 -----	6.0 ----
P8834	6.2 ----	6.2 ----	6.3 ----	6.6 -----	6.4 -----
P9363	6.2 ----	5.9 --	6.8 -----	6.5 -----	6.2 -----
KWS Inteligens	6.1 ---	6.1 ----	6.6 -----	6.1 --	6.0 ----
KWS Haiko	6.3 -----	6.4 -----	6.6 -----	6.2 ----	6.3 -----
-Bezugsgrösse(n)	6.4 -----	6.4 -----	6.5 -----	6.5 -----	6.4 -----
Versuchs-Mittel	6.2 ----	6.3 ----	6.4 ----	6.4 ----	6.1 ----
VK [%]	3.6	3.9	4.1	4.4	3.4
KGD (5%)	0.1	0.4	ns	ns	0.3
KGD (1%)	0.2	0.5	ns	ns	ns
Versuchs-Streuung	0.2	0.2	0.3	0.3	0.2
FG Fehlerterm	366.0	55.0	56.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	9.0	29	6.07 ***	1.50	0.0000
Anbauorte	25.4	6	82.62 ***	2.13	0.0000
WW Verf.*Anb.Orte	12.1	174	1.36 ns	1.23	
Fehler	18.7	366			
Insgesamt	65.2	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	6.0	-----	5.5	-	6.3	----
P8888	5.8	-----	5.8	----	6.2	---
SY Glorius	5.6	----	6.0	-----	6.3	-----
SY Enermax	5.9	-----	6.0	-----	6.4	-----
KWS Shako	5.7	----	5.8	----	6.2	---
KWS Sabino	6.1	-----	6.1	-----	6.4	-----
SY Amfora	6.2	-----	6.4	-----	6.8	-----
P9610	5.9	-----	6.0	-----	6.4	-----
Purple	5.6	----	5.9	----	6.2	---
KWS Editio	6.1	-----	6.0	-----	6.7	-----
DFI7ZM3E734	5.8	-----	6.0	-----	6.3	----
LZM371/37	5.8	-----	6.3	-----	6.7	-----
Bismark	6.1	-----	6.3	-----	6.7	-----
KXC1211	5.8	-----	6.1	-----	6.5	-----
Consilio	6.0	-----	5.9	-----	6.6	-----
Fortello	5.9	-----	6.1	-----	6.4	-----
KXC1347	5.8	-----	6.1	-----	6.4	-----
KXC1368	6.0	-----	6.3	-----	6.4	-----
P9367	5.6	----	6.2	-----	6.0	-
P9639	6.0	-----	5.8	----	6.2	---
SC3360	6.1	-----	6.2	-----	6.5	-----
Mendy	5.9	-----	5.9	-----	6.2	---
SU Crumber	6.0	-----	6.1	-----	6.8	-----
P9911	5.4	-	5.9	-----	6.3	----
LG 31280	5.7	----	6.0	-----	6.3	----
LG 31479	5.9	-----	6.2	-----	6.1	--
P8834	5.7	----	6.0	-----	6.5	-----
P9363	5.7	-----	5.9	-----	6.3	-----
KWS Inteligens	5.7	-----	5.8	----	6.3	----
KWS Haiko	5.8	-----	6.3	-----	6.4	-----
-Bezugsgrösse(n)	6.1	-----	6.2	-----	6.6	-----
Versuchs-Mittel	5.8	-----	6.0	-----	6.4	----
VK [%]	2.5		3.7		2.3	
KGD (5%)	0.3		0.4		0.2	
KGD (1%)	0.4		0.5		0.3	
Versuchs-Streuung	0.1		0.2		0.1	
FG Fehlerterm	29.0		58.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry-LD	3065 Habstetten	8046 Reckenholz ZH
P8666	6.1 -	6.3 ----	6.4 ---	6.1 -	6.0 ---
P8888	6.2 ---	6.5 -----	6.2 -	6.6 -----	6.1 ----
SY Glorius	6.1 --	6.1 ---	6.7 -----	6.2 --	5.9 -
SY Enermax	6.3 ----	6.3 ----	6.5 ----	6.6 ----	6.0 --
KWS Shako	6.1 --	6.2 ----	6.5 ----	6.5 ----	5.8 -
KWS Sabino	6.5 -----	6.6 -----	6.6 -----	6.9 -----	6.5 -----
SY Amfora	6.6 -----	6.7 -----	6.8 -----	6.5 -----	6.6 -----
P9610	6.3 ----	6.4 ----	6.9 -----	6.3 --	6.1 ----
Purple	6.0 -	5.9 -	6.2 -	6.3 ---	6.1 ----
KWS Editio	6.5 -----	6.7 -----	6.6 ----	6.4 ---	6.4 -----
DFI7ZM3E734	6.2 ---	6.8 -----	6.2 -	6.4 ----	6.0 --
LZM371/37	6.5 -----	6.5 ----	6.7 ----	6.6 ----	6.5 -----
Bismark	6.6 -----	7.0 -----	6.8 ----	6.7 ----	6.4 -----
KXC1211	6.4 ----	6.5 ----	6.4 ---	6.7 ----	6.4 -----
Consilio	6.4 ----	6.6 ----	6.6 ----	6.5 ----	6.2 ----
Fortello	6.3 ----	6.5 ----	6.4 ----	6.5 ----	6.0 ---
KXC1347	6.4 ----	6.7 -----	6.6 ----	6.8 -----	6.0 ---
KXC1368	6.5 -----	6.8 -----	6.5 ----	6.5 ----	6.4 -----
P9367	6.2 ---	6.0 --	6.8 -----	6.5 ----	6.1 ----
P9639	6.3 ---	6.1 ---	6.6 ----	6.8 -----	6.2 ----
SC3360	6.5 -----	6.6 ----	6.7 ----	6.8 -----	6.4 -----
Mendy	6.3 ---	6.1 ---	6.8 -----	6.7 ----	6.3 ----
SU Crumber	6.6 -----	6.3 ----	6.8 ----	7.2 -----	6.5 -----
P9911	6.1 -	5.9 -	6.6 ----	6.3 ---	6.0 ---
LG 31280	6.4 ----	6.9 -----	6.7 ----	6.2 --	6.5 -----
LG 31479	6.3 ----	6.2 ---	6.5 ----	6.8 ----	6.1 ----
P8834	6.4 ----	6.3 ----	6.4 ---	6.8 ----	6.6 -----
P9363	6.3 ----	6.0 --	7.0 -----	6.8 ----	6.4 -----
KWS Inteligens	6.2 ---	6.3 ----	6.8 ----	6.2 --	6.0 ---
KWS Haiko	6.4 ----	6.6 ----	6.8 ----	6.3 ---	6.4 -----
-Bezugsgrösse(n)	6.6 -----	6.6 -----	6.7 -----	6.7 -----	6.5 -----
Versuchs-Mittel	6.3 ----	6.4 ----	6.6 ----	6.5 ----	6.2 ----
VK [%]	4.6	4.7	5.2	5.7	4.2
KGD (5%)	0.2	0.5	ns	ns	0.4
KGD (1%)	0.2	0.7	ns	ns	0.6
Versuchs-Streuung	0.3	0.3	0.3	0.4	0.3
FG Fehlerterm	366.0	55.0	56.0	56.0	56.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	15.1	29	6.18 ***	1.50	0.0000
Anbauorte	42.1	6	83.52 ***	2.13	0.0000
WW Verf.*Anb.Orte	19.8	174	1.35 ns	1.23	
Fehler	30.8	366			
Insgesamt	107.8	575			

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

Verfahren	8193		8566		9436	
	Eglisau ZH		Ellighausen TG		Balgach / SG	
P8666	6.0	-----	5.5	-	6.4	---
P8888	5.8	-----	5.8	---	6.3	---
SY Glorius	5.5	---	6.1	-----	6.5	-----
SY Enermax	5.9	-----	6.1	-----	6.6	-----
KWS Shako	5.7	-----	5.9	-----	6.4	-----
KWS Sabino	6.2	-----	6.2	-----	6.6	-----
SY Amfora	6.3	-----	6.6	-----	7.1	-----
P9610	6.0	-----	6.1	-----	6.6	-----
Purple	5.6	---	5.9	---	6.4	---
KWS Editio	6.2	-----	6.1	-----	6.9	-----
DFI7ZM3E734	5.8	-----	6.1	-----	6.4	---
LZM371/37	5.8	-----	6.5	-----	6.9	-----
Bismark	6.2	-----	6.3	-----	6.9	-----
KXC1211	5.8	-----	6.1	-----	6.7	-----
Consilio	6.0	-----	6.0	-----	6.8	-----
Fortello	5.9	-----	6.2	-----	6.6	-----
KXC1347	5.8	-----	6.1	-----	6.6	-----
KXC1368	6.0	-----	6.5	-----	6.6	-----
P9367	5.6	---	6.3	-----	6.1	-
P9639	6.1	-----	5.8	---	6.3	---
SC3360	6.2	-----	6.4	-----	6.7	-----
Mendy	5.9	-----	5.9	---	6.3	---
SU Crumber	6.1	-----	6.1	-----	7.1	-----
P9911	5.3	-	6.0	---	6.4	---
LG 31280	5.7	-----	6.1	-----	6.5	-----
LG 31479	6.0	-----	6.3	-----	6.2	--
P8834	5.7	-----	6.1	-----	6.7	-----
P9363	5.7	-----	5.9	---	6.5	-----
KWS Inteligens	5.7	-----	5.8	---	6.4	---
KWS Haiko	5.7	-----	6.4	-----	6.6	-----
-Bezugsgrösse(n)	6.2	-----	6.4	-----	6.8	-----
Versuchs-Mittel	5.8	-----	6.1	-----	6.6	-----
VK [%]	3.1		4.6		2.9	
KGD (5%)	0.4		0.5		0.3	
KGD (1%)	0.5		0.6		0.4	
Versuchs-Streuung	0.2		0.3		0.2	
FG Fehlerterm	29.0		58.0		56.0	
Anz. Beob.	2.0		3.0		3.0	

4.4 Serie spät / Série tardive

4.4.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2022	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	03.05.2022	17.08.2022
1567	Delley (Avenches)	432	17.05.2022	nicht geerntet / pas récolté †
8046	Reckenholz	440	16.05.2022	20.09.2022

† 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	Z(h)	Pioneer	Pioneer, Versoix		SM31/S
LG 31479		Z(h)	Limagrain, Europe	Fenaco, Moudon		SM31/S
KWS Intelligens	KXB8383	HZ	KWS, Einbeck	KWS Suisse SA, Basel		SM31/S
Purple	SM J0709	H(z)	DSV, D	Fenaco, Moudon		SM21/e2
	DFI7ZM3E734	?	DSP, Delley			SM21/2.
P9639	X95R265	Z	Pioneer	Pioneer, Versoix		SM21/e1
Mendy	ESZ9402	Z	Saaten Union GmbH, D	Hauenstein, Rafz		SM21/e1
P8888	X85H899	Z(h)	Pioneer	Pioneer, Versoix		SM21/S
KWS Shako	KXB8202	HZ	KWS, Einbeck	KWS Suisse SA, Basel		SM21/S
P9610	X95M764	Z	Pioneer	Pioneer, Versoix		SM21/S
P1758	P1758	H(z)	Pioneer	Pioneer		SM41/S
P0937		Z	Pioneer	Pioneer		FS

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

Siehe Serie mittelspät (Seite 101-102) / voir série mi-tardive (p. 101-102).

4.4.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag.		Stängelbr.	Beulen- brand	Oekon.	Agron.	Gesamt- index
						Veg.	Ernte					
P8888	T	6.58	9.89	9.03	0.42				-0.80	16.47	8.65	25.12
P9610	T	7.78	4.33	5.54	0.17				0.79	12.11	6.50	18.61
Purple	e2	8.55	3.23	1.24	0.33				0.45	11.78	2.02	13.80
DF17ZM3E734	2.	-1.69	1.62	7.48	0.42				0.36	-0.07	8.26	8.19
KWS Shako	T	4.38	-0.44	3.14	0.00				-1.42	3.94	1.72	5.66
P9911	S	2.21	1.35	1.16	0.13				0.59	3.56	1.88	5.44
Mendy	e1	3.08	0.34	0.91	0.17				0.68	3.42	1.76	5.18
P9639	e1	-0.42	-3.09	3.07	0.13				0.14	-3.51	3.34	-0.18
LG 31479	S	-2.21	-1.35	-1.16	-0.13				-0.59	-3.56	-1.88	-5.44
KWS Intelligens	S	-8.89	0.20	0.23	-0.04				0.91	-8.69	1.10	-7.59
P1758	T	-11.45	2.17	-4.14	0.13				0.32	-9.28	-3.69	-12.97
P0937	FS	-15.99	8.59	-5.19	0.00				-5.58	-7.40	-10.77	-18.17
Bezugsgrößen		0.00	0.00	0.00	0.00				0.00	0.00	0.00	0.00
Anz. Beob.		5	5	5	5				5			
Anz. Orte		2	2	2	2				2			
Gewichtung		0.40	0.50	1.25	0.50				0.75			

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 %	Beul.- brand %	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha
P9911	4.8	67.7	66.7	265.8	126.9	47.9	2.0	7.1	601.1	218.0
LG 31479	5.3	68.5	66.5	290.8	146.2	50.0	6.7	7.7	608.8	212.6
KWS										
Inteligenz	5.1	66.8	64.8	280.4	113.3	40.4	0.7	8.2	617.1	215.7
Purple	4.3	63.8	62.8	255.2	128.1	52.1	2.5	8.1	604.4	221.7
DFI7ZM3E734	4.2	63.9	62.0	305.8	144.4	47.3	2.9	8.8	533.7	218.5
P9639	4.8	66.8	66.3	276.9	144.0	51.7	3.8	7.8	560.8	209.1
Mendy	4.7	67.6	66.1	291.7	139.3	47.5	1.6	7.2	600.8	215.9
P8888	4.2	64.2	64.3	286.3	132.8	46.1	7.5	7.8	574.2	235.1
KWS Shako	5.0	65.6	63.9	299.3	133.1	44.0	10.0	8.2	579.8	214.4
P9610	4.7	66.0	65.3	275.3	133.2	48.2	1.2	8.1	567.2	223.9
P1758	4.8	70.8	70.5	272.9	131.4	48.0	3.0	7.6	677.4	219.6
P0937	5.0	71.3	70.1	273.4	132.8	48.3	26.6	8.7	742.9	232.5
Bezugs- grösse(n)	5.0	68.1	66.6	278.3	136.5	48.9	4.3	7.4	604.9	215.3
Versuchs- Mittel	4.7	66.9	65.8	281.2	133.8	47.6	5.7	7.9	605.7	219.7
VK [%]	12.3	1.3	1.7	5.3	6.1	10.7	122.5	11.2	5.0	4.9
KGD (5%)		1.1	1.4	19.1	10.6		9.0		39.2	13.9
KGD (1%)		1.5	1.9	25.7	14.3		12.1		52.8	
Versuchs- FG Fehlerterm	0.6	0.9	1.1	14.8	8.2	5.1	7.0	0.9	30.4	10.8
Anz. Beob.	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Anz. Orte	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum	4.2	63.8	62.0	255.2	113.3	40.4	0.7	7.1	533.7	209.1
Maximum	5.3	71.3	70.5	305.8	146.2	52.1	26.6	8.8	742.9	235.1

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	Rohprot. Gehalt NIR g/kg TS	NEL Gehalt MJ/ kg TS	NEV Gehalt MJ/ kg TS
P9911	36.7	145.2	78.2	658.2	347.0	193.7	467.4	77.8	5.9	5.9
LG 31479	34.8	139.6	69.5	647.1	314.8	199.5	479.9	76.0	5.8	5.8
KWS										
Inteligens	36.0	135.9	64.0	630.4	294.9	212.5	500.2	76.3	5.6	5.6
Purple	36.8	150.3	82.7	674.0	362.5	174.0	423.0	82.3	6.1	6.2
DFI7ZM3E734	41.8	142.7	70.6	648.4	318.9	191.5	464.1	83.3	5.8	5.8
P9639	38.2	136.9	71.6	651.6	334.2	197.9	482.1	74.2	5.8	5.8
Mendy	36.5	142.9	74.9	660.3	342.0	198.9	477.2	76.5	5.9	6.0
P8888	43.0	157.9	85.3	669.1	362.5	180.2	453.3	83.4	6.0	6.1
KWS Shako	38.3	142.3	72.3	663.6	335.2	197.8	462.6	77.8	6.0	6.0
P9610	40.2	152.1	81.5	672.1	357.2	194.5	468.4	75.5	6.1	6.1
P1758	32.5	139.8	63.9	624.0	275.1	217.2	504.1	78.8	5.5	5.5
P0937	31.6	145.9	70.3	612.7	285.3	223.7	512.5	77.9	5.4	5.3
Bezugs- grösse(n)	35.8	142.4	73.8	652.6	330.9	196.6	473.7	76.9	5.8	5.9
Versuchs- Mittel	37.2	144.3	73.7	651.0	327.5	198.4	474.6	78.3	5.8	5.8
VK [%]	4.0	6.0	10.0	3.8	7.6	6.3	4.5	3.5	4.5	5.7
KGD (5%)	1.9	11.2	9.5	31.6	32.3	16.1	27.4	3.6	0.3	0.4
KGD (1%)	2.6		12.8	42.5	43.5	21.7	36.9	4.8	0.5	0.6
Versuchs- FG Fehlerterm	1.5	8.7	7.4	24.5	25.0	12.5	21.3	2.8	0.3	0.3
Anz. Beob.	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Anz. Orte	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum	31.6	135.9	63.9	612.7	275.1	174.0	423.0	74.2	5.4	5.3
Maximum	43.0	157.9	85.3	674.0	362.5	223.7	512.5	83.4	6.1	6.2

4.4.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	4.8 -----	5.0 -	4.5 -----
LG 31479	5.3 -----	5.0 -	5.5 -----
KWS Inteligens	5.1 -----	5.7 -----	4.5 -----
Purple	4.3 --	5.7 -----	3.0 --
DFI7ZM3E734	4.2 -	6.3 -----	2.0 -
P9639	4.8 -----	5.0 -	4.5 -----
Mendy	4.7 -----	5.3 ---	4.0 -----
P8888	4.2 -	5.3 ---	3.0 ---
KWS Shako	5.0 -----	6.0 -----	4.0 -----
P9610	4.7 -----	5.3 ---	4.0 -----
P1758	4.8 -----	5.0 -	4.5 -----
P0937	5.0 -----	5.0 -	5.0 -----
-Bezugsgrösse(n)	5.0 -----	5.0 -	5.0 -----
Versuchs-Mittel	4.7 -----	5.4 ----	4.0 -----
VK [%]	12.3	9.4	17.4
KGD (5%)	ns	0.9	1.6
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.6	0.5	0.7
FG Fehlerterm	33.0	22.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6.7	11	1.82 ns	2.09	0.0913
Anbauorte	27.2	1	81.16 ***	4.14	0.0000
WW Verf.*Anb.Orte	24.3	11	6.60 ***	2.09	0.0001
Fehler	11.1	33			
Insgesamt	69.3	56			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	67.7 -----	69.3 -----	66.0 -----
LG 31479	68.5 -----	70.0 -----	67.0 -----
KWS Inteligens	66.8 ----	67.0 ---	66.5 -----
Purple	63.8 -	64.7 -	63.0 -
DFI7ZM3E734	63.9 -	64.3 -	63.5 -
P9639	66.8 -----	68.7 -----	65.0 ---
Mendy	67.6 -----	68.7 -----	66.5 -----
P8888	64.2 -	65.3 --	63.0 -
KWS Shako	65.6 ---	65.7 --	65.5 ----
P9610	66.0 ---	67.0 ---	65.0 ---
P1758	70.8 -----	74.0 -----	67.5 -----
P0937	71.3 -----	72.7 -----	70.0 -----
-Bezugsgrösse(n)	68.1 -----	69.7 -----	66.5 -----
Versuchs-Mittel	66.9 ----	68.1 ----	65.7 ----
VK [%]	1.3	1.4	1.0
KGD (5%)	1.1	1.6	1.4
KGD (1%)	1.5	2.2	2.0
Versuchs-Streuung	0.9	0.9	0.6
FG Fehlerterm	33.0	22.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	332.2	11	41.12 ***	2.09	0.0000
Anbauorte	86.6	1	117.92 ***	4.14	0.0000
WW Verf.*Anb.Orte	39.4	11	4.88 ***	2.09	0.0003
Fehler	24.2	33			
Insgesamt	482.4	56			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	66.7 -----	66.3 ----	67.0 -----
LG 31479	66.5 -----	68.0 -----	65.0 ----
KWS Inteligens	64.8 ---	65.0 ----	64.5 ---
Purple	62.8 --	62.7 -	63.0 --
DF17ZM3E734	62.0 -	62.0 -	62.0 -
P9639	66.3 -----	66.7 -----	66.0 -----
Mendy	66.1 -----	66.7 -----	65.5 -----
P8888	64.3 ---	63.7 --	65.0 -----
KWS Shako	63.9 ---	63.3 --	64.5 ---
P9610	65.3 ---	65.0 ----	65.5 -----
P1758	70.5 -----	72.0 -----	69.0 -----
P0937	70.1 -----	70.7 -----	69.5 -----
-Bezugsgrösse(n)	66.6 -----	67.2 -----	66.0 -----
Versuchs-Mittel	65.8 ----	66.0 ----	65.5 ----
VK [%]	1.7	1.9	1.2
KGD (5%)	1.4	2.1	1.7
KGD (1%)	1.9	2.9	2.4
Versuchs-Streuung	1.1	1.3	0.8
FG Fehlerterm	33.0	22.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	361.9	11	26.51 ***	2.09	0.0000
Anbauorte	3.2	1	2.54 ns	4.14	0.1206
WW Verf.*Anb.Orte	28.6	11	2.09 ns	2.09	0.0502
Fehler	41.0	33			
Insgesamt	434.5	56			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	265.8 ---	240.0 -	291.5 -----
LG 31479	290.8 -----	266.7 -----	315.0 -----
KWS Inteligens	280.4 -----	273.3 -----	287.5 -----
Purple	255.2 -	253.3 ----	257.0 -
DF17ZM3E734	305.8 -----	280.0 -----	331.5 -----
P9639	276.9 ----	248.3 ---	305.5 -----
Mendy	291.7 -----	268.3 -----	315.0 -----
P8888	286.3 -----	256.7 ----	316.0 -----
KWS Shako	299.3 -----	271.7 -----	327.0 -----
P9610	275.3 ----	246.7 --	304.0 -----
P1758	272.9 ---	248.3 ---	297.5 -----
P0937	273.4 ----	243.3 -	303.5 -----
-Bezugsgrösse(n)	278.3 -----	253.3 ----	303.3 -----
Versuchs-Mittel	281.2 -----	258.1 -----	304.3 -----
VK [%]	5.3	3.4	7.2
KGD (5%)	19.1	14.9	ns
KGD (1%)	25.7	20.3	ns
Versuchs-Streuung	14.8	8.7	21.9
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	11296.0	11	4.68 ***	2.11	0.0005
Anbauorte	32008.9	1	145.72 ***	4.16	0.0000
WW Verf.*Anb.Orte	4500.2	11	1.86 ns	2.11	0.0853
Fehler	6809.4	31			
Insgesamt	54614.5	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	126.9 -----	118.3 -----	135.5 ----
LG 31479	146.2 -----	123.3 -----	169.0 -----
KWS Inteligens	113.3 -	105.0 --	121.5 -
Purple	128.1 -----	101.7 -	154.5 -----
DFI7ZM3E734	144.4 -----	133.3 -----	155.5 -----
P9639	144.0 -----	120.0 -----	168.0 -----
Mendy	139.3 -----	120.0 -----	158.5 -----
P8888	132.8 -----	106.7 --	159.0 -----
KWS Shako	133.1 -----	106.7 --	159.5 -----
P9610	133.2 -----	113.3 ----	153.0 -----
P1758	131.4 -----	113.3 ----	149.5 -----
P0937	132.8 -----	110.0 ---	155.5 -----
-Bezugsgrösse(n)	136.5 -----	120.8 -----	152.3 -----
Versuchs-Mittel	133.8 -----	114.3 ----	153.3 -----
VK [%]	6.1	7.5	5.0
KGD (5%)	10.6	14.5	16.7
KGD (1%)	14.3	19.8	23.6
Versuchs-Streuung	8.2	8.5	7.6
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4551.9	11	6.13 ***	2.11	0.0001
Anbauorte	22750.0	1	337.22 ***	4.16	0.0000
WW Verf.*Anb.Orte	2504.0	11	3.37 **	2.11	0.0037
Fehler	2091.4	31			
Insgesamt	31897.3	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	47.9 -----	49.2 -----	46.5 ----
LG 31479	50.0 -----	46.3 -----	53.7 -----
KWS Inteligens	40.4 -	38.4 -	42.3 -
Purple	52.1 -----	40.2 --	64.0 -----
DFI7ZM3E734	47.3 -----	47.7 -----	46.9 ----
P9639	51.7 -----	48.3 -----	55.0 -----
Mendy	47.5 -----	44.7 -----	50.3 ----
P8888	46.1 -----	41.7 ----	50.4 ----
KWS Shako	44.0 ----	39.3 -	48.8 ----
P9610	48.2 -----	46.1 -----	50.4 ----
P1758	48.0 -----	45.8 -----	50.2 ----
P0937	48.3 -----	45.4 -----	51.2 ----
-Bezugsgrösse(n)	48.9 -----	47.8 -----	50.1 ----
Versuchs-Mittel	47.6 -----	44.4 -----	50.8 ----
VK [%]	10.7	8.4	14.1
KGD (5%)	ns	6.3	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	5.1	3.7	7.1
FG Fehlerterm	33.0	22.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	554.3	11	1.92 ns	2.09	0.0722
Anbauorte	612.1	1	23.37 ***	4.14	0.0000
WW Verf.*Anb.Orte	587.4	11	2.04 ns	2.09	0.0563
Fehler	864.2	33			
Insgesamt	2618.0	56			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	2.0 -	3.9 -	0.0 -
LG 31479	6.7 ---	11.5 ---	1.9 ----
KWS Inteligens	0.7 -	1.4 -	0.0 -
Purple	2.5 -	3.3 -	1.7 ----
DFI7ZM3E734	2.9 -	4.8 -	0.9 --
P9639	3.8 --	5.7 -	1.9 ----
Mendy	1.6 -	1.3 -	1.9 ----
P8888	7.5 ---	9.5 --	5.5 -----
KWS Shako	10.0 ----	18.3 ----	1.7 ----
P9610	1.2 -	2.3 -	0.0 -
P1758	3.0 -	6.1 --	0.0 -
P0937	26.6 -----	52.3 -----	0.9 --
-Bezugsgrösse(n)	4.3 --	7.7 --	1.0 --
Versuchs-Mittel	5.7 ---	10.0 --	1.4 ---
VK [%]	122.5	85.6	139.7
KGD (5%)	9.0	14.6	ns
KGD (1%)	12.1	19.9	ns
Versuchs-Streuung	7.0	8.6	1.9
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2831.0	11	5.26 ***	2.11	0.0003
Anbauorte	1122.2	1	22.95 ***	4.16	0.0001
WW Verf.*Anb.Orte	2772.4	11	5.16 ***	2.11	0.0003
Fehler	1515.5	31			
Insgesamt	8241.1	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	7.1 -	6.5 -	7.8 ----
LG 31479	7.7 ----	7.9 ----	7.5 --
KWS Inteligens	8.2 -----	8.7 -----	7.8 -----
Purple	8.1 -----	7.9 -----	8.2 -----
DFI7ZM3E734	8.8 -----	9.9 -----	7.8 -----
P9639	7.8 ---	7.5 ---	8.0 -----
Mendy	7.2 -	7.0 --	7.5 --
P8888	7.8 ----	8.1 ----	7.6 ---
KWS Shako	8.2 -----	8.1 -----	8.3 -----
P9610	8.1 -----	8.5 -----	7.7 ---
P1758	7.6 ---	7.9 ----	7.3 -
P0937	8.7 -----	9.3 -----	8.0 -----
-Bezugsgrösse(n)	7.4 --	7.2 --	7.6 --
Versuchs-Mittel	7.9 ----	8.1 ----	7.8 ----
VK [%]	11.2	13.2	4.4
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.9	1.1	0.3
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14.3	11	1.66 ns	2.11	0.1310
Anbauorte	1.6	1	2.01 ns	4.16	0.1663
WW Verf.*Anb.Orte	11.7	11	1.35 ns	2.11	0.2431
Fehler	24.3	31			
Insgesamt	51.9	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	601.1 ----	392.4 ----	809.7 ---
LG 31479	608.8 ----	422.8 -----	794.8 ---
KWS Inteligens	617.1 ----	418.3 -----	815.9 ----
Purple	604.4 ----	383.9 ----	824.9 ----
DFI7ZM3E734	533.7 -	338.9 -	728.5 -
P9639	560.8 --	353.6 --	768.1 --
Mendy	600.8 ----	409.9 -----	791.8 ---
P8888	574.2 ---	333.0 -	815.5 ----
KWS Shako	579.8 ---	377.2 ----	782.5 --
P9610	567.2 --	377.8 ----	756.6 --
P1758	677.4 -----	476.8 -----	878.0 -----
P0937	742.9 -----	470.2 -----	1015.6 -----
-Bezugsgrösse(n)	604.9 ----	407.6 -----	802.3 ---
Versuchs-Mittel	605.7 ----	396.2 ----	815.2 ----
VK [%]	5.0	6.4	4.6
KGD (5%)	39.2	43.3	83.2
KGD (1%)	52.8	59.0	117.5
Versuchs-Streuung	30.4	25.4	37.8
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	172339.6	11	16.95 ***	2.11	0.0000
Anbauorte	2632634.7	1	2848.14 ***	4.16	0.0000
WW Verf.*Anb.Orte	34423.9	11	3.39 **	2.11	0.0036
Fehler	28654.3	31			
Insgesamt	2868052.5	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	218.0 ----	149.7 ----	286.2 -----
LG 31479	212.6 --	146.0 --	279.2 ---
KWS Inteligens	215.7 ---	163.9 -----	267.5 -
Purple	221.7 ----	143.8 -	299.6 -----
DFI7ZM3E734	218.5 ----	147.8 ---	289.2 ----
P9639	209.1 -	143.4 -	274.7 --
Mendy	215.9 ---	156.0 -----	275.8 --
P8888	235.1 -----	159.3 -----	310.8 -----
KWS Shako	214.4 ---	158.1 -----	270.7 -
P9610	223.9 ----	160.9 -----	287.0 ----
P1758	219.6 ----	155.3 -----	284.0 ----
P0937	232.5 -----	152.5 -----	312.4 -----
-Bezugsgrösse(n)	215.3 ---	147.9 ---	282.7 ---
Versuchs-Mittel	219.7 ----	153.1 ----	286.4 ----
VK [%]	4.9	7.1	3.8
KGD (5%)	13.9	ns	23.8
KGD (1%)	ns	ns	ns
Versuchs-Streuung	10.8	10.8	10.8
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3234.5	11	2.52 *	2.11	0.0212
Anbauorte	266832.5	1	2285.73 ***	4.16	0.0000
WW Verf.*Anb.Orte	3993.6	11	3.11 **	2.11	0.0063
Fehler	3618.9	31			
Insgesamt	277679.6	54			

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	36.7 ----	38.1 ----	35.3 -----
LG 31479	34.8 ---	34.5 --	35.1 -----
KWS Inteligens	36.0 ----	39.1 -----	32.8 ---
Purple	36.8 -----	37.2 ----	36.3 -----
DFI7ZM3E734	41.8 -----	43.8 -----	39.7 -----
P9639	38.2 -----	40.5 -----	35.9 -----
Mendy	36.5 -----	38.1 ----	34.8 -----
P8888	43.0 -----	47.9 -----	38.1 -----
KWS Shako	38.3 -----	41.8 -----	34.7 ----
P9610	40.2 -----	42.5 -----	37.9 -----
P1758	32.5 -	32.6 -	32.4 --
P0937	31.6 -	32.5 -	30.8 -
-Bezugsgrösse(n)	35.8 ----	36.3 ----	35.2 -----
Versuchs-Mittel	37.2 -----	39.1 -----	35.3 -----
VK [%]	4.0	4.5	2.0
KGD (5%)	1.9	3.0	1.6
KGD (1%)	2.6	4.1	2.2
Versuchs-Streuung	1.5	1.8	0.7
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	636.3	11	26.16 ***	2.11	0.0000
Anbauorte	207.8	1	93.94 ***	4.16	0.0000
WW Verf.*Anb.Orte	125.9	11	5.17 ***	2.11	0.0003
Fehler	68.6	31			
Insgesamt	1038.5	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	145.2 -----	95.7 -----	194.8 -----
LG 31479	139.6 --	90.3 --	188.9 -----
KWS Inteligens	135.9 -	105.0 -----	166.8 -
Purple	150.3 -----	96.8 ----	203.7 -----
DFI7ZM3E734	142.7 ----	94.0 ----	191.3 ----
P9639	136.9 -	92.9 ---	180.8 ----
Mendy	142.9 ----	102.7 -----	183.1 ----
P8888	157.9 -----	105.5 -----	210.3 -----
KWS Shako	142.3 ---	105.9 -----	178.7 ---
P9610	152.1 -----	106.5 -----	197.7 -----
P1758	139.8 --	91.0 --	188.7 ----
P0937	145.9 -----	87.9 -	204.0 -----
-Bezugsgrösse(n)	142.4 ----	93.0 ---	191.8 -----
Versuchs-Mittel	144.3 ----	97.8 -----	190.7 -----
VK [%]	6.0	8.7	4.7
KGD (5%)	11.2	ns	19.9
KGD (1%)	ns	ns	ns
Versuchs-Streuung	8.7	8.5	9.0
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2302.9	11	2.76 *	2.11	0.0130
Anbauorte	129427.1	1	1703.76 ***	4.16	0.0000
WW Verf.*Anb.Orte	3185.8	11	3.81 **	2.11	0.0016
Fehler	2354.9	31			
Insgesamt	137270.7	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	78.2 -----	47.6 -----	108.8 -----
LG 31479	69.5 ---	40.7 ---	98.2 -----
KWS Inteligens	64.0 -	49.2 -----	78.7 -
Purple	82.7 -----	49.9 -----	115.5 -----
DFI7ZM3E734	70.6 ----	45.3 ----	95.9 ----
P9639	71.6 ----	44.6 ----	98.7 ----
Mendy	74.9 -----	50.7 -----	99.1 -----
P8888	85.3 -----	57.6 -----	113.0 -----
KWS Shako	72.3 ----	53.0 ----	91.6 ---
P9610	81.5 -----	57.0 -----	105.9 -----
P1758	63.9 -	36.1 -	91.7 ----
P0937	70.3 ----	37.3 -	103.2 -----
-Bezugsgrösse(n)	73.8 -----	44.1 ----	103.5 -----
Versuchs-Mittel	73.7 ----	47.4 -----	100.0 -----
VK [%]	10.0	13.3	9.0
KGD (5%)	9.5	10.8	ns
KGD (1%)	12.8	14.7	ns
Versuchs-Streuung	7.4	6.3	9.0
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2663.3	11	4.46 ***	2.11	0.0006
Anbauorte	41558.7	1	765.11 ***	4.16	0.0000
WW Verf.*Anb.Orte	1534.3	11	2.57 *	2.11	0.0192
Fehler	1683.8	31			
Insgesamt	47440.1	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	658.2 -----	636.3 -----	680.0 -----
LG 31479	647.1 -----	617.7 ----	676.5 -----
KWS Inteligens	630.4 ---	637.3 -----	623.5 -
Purple	674.0 -----	668.0 -----	680.0 -----
DFI7ZM3E734	648.4 ----	635.3 ----	661.5 ----
P9639	651.6 ----	645.7 ----	657.5 ----
Mendy	660.3 -----	656.7 -----	664.0 ----
P8888	669.1 -----	661.7 -----	676.5 -----
KWS Shako	663.6 -----	666.7 -----	660.5 ----
P9610	672.1 -----	655.7 -----	688.5 -----
P1758	624.0 --	585.0 --	663.0 ----
P0937	612.7 -	572.3 -	653.0 ----
-Bezugsgrösse(n)	652.6 -----	627.0 ----	678.3 -----
Versuchs-Mittel	651.0 -----	636.5 -----	665.4 -----
VK [%]	3.8	4.4	2.5
KGD (5%)	31.6	47.4	ns
KGD (1%)	42.5	64.6	ns
Versuchs-Streuung	24.5	27.8	16.8
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	21208.9	11	3.22 **	2.11	0.0050
Anbauorte	12482.4	1	20.85 ***	4.16	0.0001
WW Verf.*Anb.Orte	13154.1	11	2.00 ns	2.11	0.0641
Fehler	18560.7	31			
Insgesamt	65406.0	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	347.0 -----	314.4 -----	379.5 -----
LG 31479	314.8 -----	278.0 -----	351.7 -----
KWS Inteligens	294.9 ---	295.7 -----	294.1 -
Purple	362.5 -----	339.6 -----	385.4 -----
DFI7ZM3E734	318.9 -----	306.1 -----	331.7 -----
P9639	334.2 -----	310.0 -----	358.4 -----
Mendy	342.0 -----	324.3 -----	359.7 -----
P8888	362.5 -----	361.3 -----	363.7 -----
KWS Shako	335.2 -----	331.5 -----	338.8 -----
P9610	357.2 -----	345.7 -----	368.8 -----
P1758	275.1 -	229.8 -	320.5 ---
P0937	285.3 --	239.8 -	330.8 -----
-Bezugsgrösse(n)	330.9 -----	296.2 -----	365.6 -----
Versuchs-Mittel	327.5 -----	306.3 -----	348.6 -----
VK [%]	7.6	8.2	7.1
KGD (5%)	32.3	42.8	ns
KGD (1%)	43.5	58.3	ns
Versuchs-Streuung	25.0	25.1	24.9
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	49259.1	11	7.14 ***	2.11	0.0000
Anbauorte	26726.7	1	42.64 ***	4.16	0.0000
WW Verf.*Anb.Orte	14653.9	11	2.13 *	2.11	0.0488
Fehler	19431.6	31			
Insgesamt	110071.3	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	193.7 -----	204.3 -----	183.2 -----
LG 31479	199.5 -----	214.8 -----	184.2 -----
KWS Inteligens	212.5 -----	209.9 -----	215.0 -----
Purple	174.0 -	185.4 -	162.6 -
DFI7ZM3E734	191.5 ---	204.0 ---	179.1 ---
P9639	197.9 -----	204.6 -----	191.2 -----
Mendy	198.9 -----	207.7 -----	190.2 -----
P8888	180.2 --	189.1 -	171.4 --
KWS Shako	197.8 -----	204.8 -----	190.7 -----
P9610	194.5 -----	197.1 ---	191.9 -----
P1758	217.2 -----	240.0 -----	194.3 -----
P0937	223.7 -----	243.6 -----	203.8 -----
-Bezugsgrösse(n)	196.6 -----	209.5 -----	183.7 -----
Versuchs-Mittel	198.4 -----	208.8 -----	188.1 -----
VK [%]	6.3	6.5	5.4
KGD (5%)	16.1	23.2	22.3
KGD (1%)	21.7	31.6	ns
Versuchs-Streuung	12.5	13.6	10.1
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	11013.0	11	6.43 ***	2.11	0.0001
Anbauorte	6396.3	1	41.07 ***	4.16	0.0000
WW Verf.*Anb.Orte	2664.0	11	1.56 ns	2.11	0.1621
Fehler	4827.6	31			
Insgesamt	24900.9	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	467.4 -----	507.2 ----	427.7 ----
LG 31479	479.9 -----	525.0 -----	434.8 -----
KWS Inteligens	500.2 -----	511.1 -----	489.3 -----
Purple	423.0 -	454.2 -	391.8 -
DFI7ZM3E734	464.1 ----	498.5 ----	429.8 ----
P9639	482.1 -----	506.1 ----	458.2 -----
Mendy	477.2 -----	508.8 ----	445.6 -----
P8888	453.3 ---	491.1 ---	415.6 ---
KWS Shako	462.6 ----	481.3 ---	443.9 ----
P9610	468.4 ----	486.6 ---	450.3 ----
P1758	504.1 -----	560.2 -----	448.1 ----
P0937	512.5 -----	566.2 -----	458.7 -----
-Bezugsgrösse(n)	473.7 -----	516.1 -----	431.2 -----
Versuchs-Mittel	474.6 -----	508.0 ----	441.1 ----
VK [%]	4.5	4.7	3.5
KGD (5%)	27.4	40.7	34.1
KGD (1%)	36.9	55.4	48.1
Versuchs-Streuung	21.3	23.9	15.5
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	32576.2	11	6.54 ***	2.11	0.0001
Anbauorte	67162.0	1	148.40 ***	4.16	0.0000
WW Verf.*Anb.Orte	10877.8	11	2.19 *	2.11	0.0430
Fehler	14029.7	31			
Insgesamt	124645.8	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	77.8 -----	81.2 ----	74.5 -----
LG 31479	76.0 ---	80.9 ---	71.1 ---
KWS Inteligens	76.3 ---	79.4 -	73.2 ----
Purple	82.3 -----	83.6 -----	81.0 -----
DFI7ZM3E734	83.3 -----	86.0 -----	80.7 -----
P9639	74.2 -	80.0 --	68.4 -
Mendy	76.5 ---	78.9 -	74.2 ----
P8888	83.4 -----	84.7 -----	82.2 -----
KWS Shako	77.8 ----	79.3 -	76.4 ----
P9610	75.5 --	82.1 ----	68.9 -
P1758	78.8 ----	81.6 ----	75.9 ----
P0937	77.9 ----	84.5 -----	71.2 ---
-Bezugsgrösse(n)	76.9 ---	81.1 ----	72.8 ----
Versuchs-Mittel	78.3 -----	81.8 -----	74.8 -----
VK [%]	3.5	3.5	3.5
KGD (5%)	3.6	ns	5.7
KGD (1%)	4.8	ns	8.1
Versuchs-Streuung	2.8	2.8	2.6
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	528.0	11	6.33 ***	2.11	0.0001
Anbauorte	749.4	1	98.82 ***	4.16	0.0000
WW Verf.*Anb.Orte	216.5	11	2.60 *	2.11	0.0181
Fehler	235.1	31			
Insgesamt	1728.9	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	5.9 -----	5.7 -----	6.2 -----
LG 31479	5.8 -----	5.5 -----	6.1 -----
KWS Inteligens	5.6 ---	5.7 -----	5.6 -
Purple	6.1 -----	6.0 -----	6.2 -----
DF17ZM3E734	5.8 -----	5.7 -----	6.0 -----
P9639	5.8 -----	5.8 -----	5.9 -----
Mendy	5.9 -----	5.9 -----	6.0 -----
P8888	6.0 -----	5.9 -----	6.1 -----
KWS Shako	6.0 -----	6.0 -----	6.0 -----
P9610	6.1 -----	5.9 -----	6.3 -----
P1758	5.5 --	5.1 --	6.0 -----
P0937	5.4 -	5.0 -	5.9 -----
-Bezugsgrösse(n)	5.8 -----	5.6 -----	6.1 -----
Versuchs-Mittel	5.8 -----	5.7 -----	6.0 -----
VK [%]	4.5	5.3	3.1
KGD (5%)	0.3	0.5	ns
KGD (1%)	0.5	0.7	ns
Versuchs-Streuung	0.3	0.3	0.2
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2.5	11	3.24 **	2.11	0.0049
Anbauorte	1.5	1	21.04 ***	4.16	0.0001
WW Verf.*Anb.Orte	1.4	11	1.86 ns	2.11	0.0863
Fehler	2.2	31			
Insgesamt	7.5	54			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	5.9 -----	5.6 -----	6.3 -----
LG 31479	5.8 -----	5.4 -----	6.2 -----
KWS Inteligens	5.6 ---	5.7 -----	5.5 -
Purple	6.2 -----	6.1 -----	6.2 -----
DF17ZM3E734	5.8 -----	5.6 -----	6.0 -----
P9639	5.8 -----	5.8 -----	5.9 -----
Mendy	6.0 -----	5.9 -----	6.0 -----
P8888	6.1 -----	6.0 -----	6.2 -----
KWS Shako	6.0 -----	6.0 -----	6.0 -----
P9610	6.1 -----	5.9 -----	6.3 -----
P1758	5.5 ---	5.0 --	6.0 -----
P0937	5.3 -	4.8 -	5.9 -----
-Bezugsgrösse(n)	5.9 -----	5.5 -----	6.2 -----
Versuchs-Mittel	5.8 -----	5.6 -----	6.0 -----
VK [%]	5.7	6.7	3.8
KGD (5%)	0.4	0.6	ns
KGD (1%)	0.6	0.9	ns
Versuchs-Streuung	0.3	0.4	0.2
FG Fehlerterm	31.0	20.0	11.0
Anz. Beob.	5.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3.8	11	3.09 **	2.11	0.0065
Anbauorte	2.0	1	18.41 ***	4.16	0.0002
WW Verf.*Anb.Orte	2.3	11	1.92 ns	2.11	0.0756
Fehler	3.4	31			
Insgesamt	11.6	54			



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