



Résultats des essais variétaux de maïs ensilage 2021

Resultate der Hauptversuche Silomais 2021

Autoren

Jürg Hiltbrunner, Tobias Huber und Pierre Pignon

Partner

Delley Samen und Pflanzen AG

Carine Oberson und Cécile Brabant, Agroscope



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössisches Departement für
Wirtschaft, Bildung und Forschung WBF
Agroscope

Impressum

Herausgeber	Agroscope Reckenholzstrasse 191 8046 Zürich www.agroscope.ch
Auskünfte	Jürg Hiltbrunner juerg.hiltbrunner@agroscope.admin.ch
Redaktion & Gestaltung	Jürg Hiltbrunner
Titelbild	Tobias Huber
Druck	Bundesamt für Bauten und Logistik BBL, Bern
Download	www.agroscope.ch/transfer
Copyright	© Agroscope 2021
ISSN	2296-7206 (print), 2296-7214 (online)
DOI	https://doi.org/10.34776/at415gf

Haftungsausschluss

Die in dieser Publikation enthaltenen Angaben dienen allein zur Information der Leser/innen. Agroscope ist bemüht, korrekte, aktuelle und vollständige Informationen zur Verfügung zu stellen – übernimmt dafür jedoch keine Gewähr. Wir schliessen jede Haftung für eventuelle Schäden im Zusammenhang mit der Umsetzung der darin enthaltenen Informationen aus. Für die Leser/innen gelten die in der Schweiz gültigen Gesetze und Vorschriften, die aktuelle Rechtsprechung ist anwendbar.

Inhaltsverzeichnis / Table des matières

1	Merkmale / Critères	5
2	Indexberechnung für Silomais / Calcul de l'indice pour le maïs ensilage	7
3	Meteorologische Daten / Données météorologiques	8
4	Nördlich der Alpen / Nord des Alpes	9
4.1	Serie früh / Série précoce	9
4.1.1	Standortangaben / Informations des lieux.....	9
4.1.2	Sorten und Status / Variétés et statut	9
4.1.3	Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales	10
4.1.4	Index / Indice	12
4.1.5	Zusammenfassung / Résumé	13
4.1.6	Details / Détails	15
4.2	Serie mittelfrüh / Série mi-précoce	47
4.2.1	Standortangaben / Informations des lieux.....	47
4.2.2	Sorten und Status / Variétés et statut	47
4.2.3	Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales	48
4.2.4	Index / Indice	50
4.2.5	Zusammenfassung / Résumé	51
4.2.6	Details / Détails	54
4.3	Serie mittelspät / Série mi-tardive	91
4.3.1	Standortangaben / Informations des lieux.....	91
4.3.2	Sorten und Status / Variétés et statut	91
4.3.3	Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales	92
4.3.4	Index / Indice	93
4.3.5	Zusammenfassung / Résumé	94
4.3.6	Details / Détails	97

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)</i> <i>autre variété de la liste</i> <i>recommandée (T=témoin) ou</i> <i>pour compléter l'essai (FS)</i>
KM11	Körnermais mittelfrüh / <i>maïs grain mi-précoce</i>	SM11	Silomais mittelfrüh / <i>maïs ensilage mi-précoce</i>	e1 / e2 / e3	Neue Sorte 1., 2. bzw. 3. Prüfjahr Liste empfohlener Sorten / <i>nouvelle variété 1^{ère},</i> <i>2^{ème} ou 3^{ème} année pour liste</i> <i>recommandée</i>
KM21	Körnermais mittelspät – spät / <i>maïs grain mi-tardif</i> – <i>tardif</i>	SM21	Silomais mittelspät – spät / <i>maïs ensilage mi-tardif</i> – <i>tardif</i>		
KM41	Körnermais mittelfrüh Tessin / <i>maïs grain mi-</i> <i>précoce Tessin</i>	SM41	Silomais mittelfrüh Tessin / <i>maïs ensilage mi-</i> <i>précoce Tessin</i>	1. / 2. / 3.	Neue Sorte 1., 2. bzw. 3. Prüfjahr Nationaler Sortenkatalog / <i>nouvelle</i> <i>variété 1^{ère}, 2^{ème} ou 3^{ème}</i> <i>année pour catalogue</i> <i>national</i>
KM42	Körnermais mittelspät – spät Tessin / <i>maïs grain</i> <i>mi-tardif – tardif Tessin</i>	SM42	Silomais mittelspät – spät Tessin / <i>maïs ensilage</i> <i>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 im Qualitätslabor in Changins 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 *
- Gehalt an verdaulicher organischer Substanz (VOS) der künstlich getrockneten ganzen Pflanzen in g/kg *

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

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

Teneur en protéines (NIRS) / Proteingehalt (NIRS)

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

Teneur en amidon (NIRS) / Stärkegehalt (NIRS)

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

NDF (NIRS) / Zellwandanteil (NIRS)

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

NEL (NIRS) / NEL (NIRS)

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

* Les teneurs de la qualité sont exprimées dans des échantillons séchés (60°C pendant 72 h). L'humidité relative moyenne des échantillons est de 7.5%.

* Die Angaben zur Qualität sind pro kg getrocknetem Probenmaterial (60°C während 72 h). Die durchschnittliche Feuchtigkeit der Proben beträgt 7.5%.

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) 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 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 erlebte den kältesten Frühling seit über 30 Jahren mit einem landesweiten Mittel von 1,1 °C unter der Norm 1981–2010. Kalt zeigten sich die Monate April und Mai. Nach den zwei niederschlagsarmen Monaten März und April erhielten im Mai die meisten Gebiete der Schweiz, mit Ausnahme der Alpensüdseite, reichlich Niederschlag. Die Alpensüdseite registrierte regional den viert- oder fünftsonnigsten Frühling in den letzten 60 Jahren.

Temperatur / températures

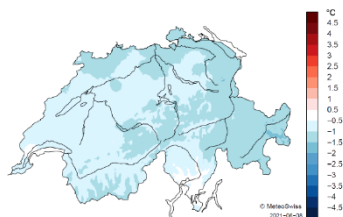


Abb 1: Räumliche Verteilung der Frühlingstemperatur 2021 (März bis Mai) als Abweichung (°C) zur Norm 1981-2010.

Niederschlag / précipitations

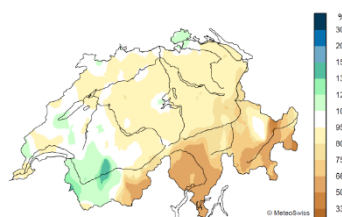


Abb 2: Räumliche Verteilung der Niederschlagssumme im Frühling 2021 (März bis Mai) als Abweichung (°C) zur Norm 1981-2010.

Sommer / été

Der Sommer 2021 war nördlich der Alpen einer der nassesten seit Messbeginn. In den Zentralalpen war es lokal der deutlich nasseste Sommer in den über 100-jährigen Aufzeichnungen. Der Sommer brachte in der Schweiz regional den nassesten Juni und den nassesten Juli seit Messbeginn. Die anhaltend grossen Regenmengen liessen gegen Julimitte nördlich der Alpen mehrere Flüsse und Seen über die Ufer treten.

Sonnenscheindauer / ensoleillement



Abb 1: Räumliche Verteilung der Sonnenscheindauer im Sommer 2021 (Juni bis August) als Abweichung (%) zur Norm 1981-2010.

Niederschlag / précipitations

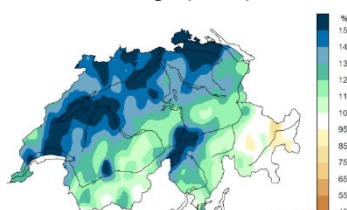


Abb 2: Räumliche Verteilung der Niederschlagssumme im Sommer 2021 (Juni bis August) als Abweichung (°C) zur Norm 1981-2010.

Herbst / automne

Der Herbst war vor allem in Berglagen und im Süden milder als die Norm und verbreitet niederschlagsarm. Zürich registrierte den niederschlagsärmsten Herbst seit Messbeginn 1864. Der Herbst zeigte sich insgesamt sehr sonnig. Lokal wurde einer der sonnigsten Herbste der letzten 60 Jahre registriert. Viel Sonnenschein brachten vor allem die Monate September und Oktober. Ende Herbst schneite es beidseits der Alpen bis in die Niederungen.

Sonnenscheindauer / ensoleillement

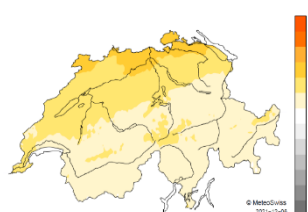


Abb 1: Räumliche Verteilung der Sonnenscheindauer im Herbst 2021 (September bis November) als Abweichung (%) zur Norm 1981-2010.

Niederschlag / précipitations

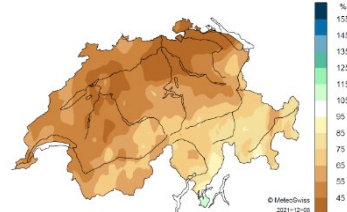


Abb 2: Räumliche Verteilung der Niederschlagssumme im Herbst 2021 (September bis November) als Abweichung (°C) zur Norm 1981-2010.

Quelle: MeteoSchweiz 2021: Klimabulletin Frühling/Sommer/Herbst 2021. 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	2021	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.06.2021	13.09.2021
1725	Grangeneuve	650	27.05.2021	01.10.2021
3065	Habstetten	690	28.05.2021	13.10.2021 *
5643	Alikon	490	10.05.2021	verhagelt > nicht geerntet / grêlé > pas récolté †
8046	Reckenholz	440	28.04.2021	24.09.2021
8193	Eglisau	390	14.05.2021	06.10.2021
8566	Ellighausen	503	02.06.2021	08.10.2021 †

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

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

4.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
LG 31211	LZM163/74	SC	Limagrain / Europe	Fenaco, Moudon	KM01/S	SM01/S
Karibous	KXB4302	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/S
LG 31205	LZM166/71	SC	Limagrain / Europe	Fenaco, Moudon		SM01/S
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
DKC 3218	ET3286	SC	Monsanto, USA	Monsanto, Morges		SM01/e2
LG 31217	LZM168/47	TC	Limagrain Europe	Fenaco, Moudon		SM01/e2
Emeleen	LZM168/49	TC	Limagrain, Europe	Fenaco, Moudon		SM01/e2
	LZM170/73	SC	Limagrain, Europe	Fenaco, Moudon	KM01/e1	SM01/e1
	SM K0592	SC	von Moreau Saatzeit, D	Samen Steffen, Wikon		SM01/1.
	SM K0482	SC	von Moreau Saatzeit, D	Samen Steffen, Wikon		SM01/1.
SY Hummer	SA0158	SC	Syngenta, CH	Syngenta, Stein		SM01/e1
	SA0669	SC	Syngenta, CH	Syngenta, Stein	KM01/e1	SM01/e1
SY Silverbull	SB0108	SC	Syngenta, CH	Syngenta, Stein		SM01/e1
	KXB9014	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC0111	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC0112	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC0121	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC0312	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/e1
ES Blackjack	ESZ9105	SC	Euralis Saaten GmbH	Fenaco, Moudon / Hauenstein, Rafz	KM01/e1	SM01/e1
	EV3293	SC	Monsanto, USA	Bayer CropScience		SM01/e1
Primino	SL18239	SC	Saatbau Linz, A		KM01/e1	SM01/e1
KWS Odorico	KXB7303	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/T
SY Amboss	SA1051	SC	Syngenta, CH	Syngenta, Stein		SM01/T
Kaprilias	KXB5305	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/T
Amaroc	KXB4136	TC	KWS, Einbeck	KWS Suisse SA, Basel		FS

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

Technische Versuchsangaben / données techniques / technical information										
Standort / lieu / site:	Nyon (430 m ü.M.)	Grangeneuve (630 m ü.M.)	Habstetten (690 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (603 m ü.M.)				
Bodenart / type de sol / soil type:	Limono sableux	Moyen	Sandiger Lehm, pH 6.2	Braunerde	Parabraunerde - sandiger Lehm bis Lehm	Braunerde				
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):	382.3 mm (Station: Changins) 1341.9°C (Station: Changins)	577.9 mm (Meteostation Posteux) 1391.6 °C (Meteostation Posteux)	735.4 mm (Meteostation Zsziwil) 1373.9 °C (Meteostation Zsziwil)	603.8 mm (Meteostation Reckenholz) 1333.7 °C (Meteostation Reckenholz)	576.8 mm (Meteostation Steinmaur) 1448.3 °C (Meteostation Steinmaur)	538.8 mm (Meteostation Ellighausen) 1404.8 °C (Meteostation Ellighausen)				
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengrösse / grandeur d'une parcelle / plot size:	4reihig, mit 1.4m Weg (22.4m2 brutto), 10m2 netto	4reihig, mit 1.4m Weg (22.4m2 brutto), 10 m2 netto	4reihig, mit 1.4m Weg (22.4m2 brutto), 10 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:	pois de printemps + engrais vert	Prairie / Kunstwiese / temporary grassland	orge	Kunswiese / prairie temporaire / temporary grassland	Raps / Gründüngung Phacelia	Raps, Gründüngung				
Bodenbearbeitung / travail du sol / soil cultivation:	Labour 25.11.20 herse à disque 27.05.21 herse rotative 28.05.21	Pflug (14.05.21) und Kreiselegge (27.05.21) / charrue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	05.01.21 Pflug, 26.04.21 Kreiselegge	08.05.21 Pflügen, 13.05.21 Kreiselegge	Pflug, Kulturegge, Kreiselegge				
Saat / date de semis / sowing date:	04.06.2021	27.05.2021	31.05.2021	28.04.2021	14.05.2021	02.06.2021				
Ernte / date de récolte / harvest date:	13.09.2021	01.10.2021	13.10.2021	04.09.2021	21.09.2021	08.10.2021				
Saatdichte / densité de semis / sowing density:	10.5 Körner / grains pro m2	10.5 Körner / grains pro m2	10.5 Körner / grains pro m2	11.5 Körner / grains pro m2	11.5 Körner / grains pro m2	11.5 Körner / grains pro m2				
Vegetationsdauer / durée de végétation / growing period	101 Tage / jours / days	127 Tage / jours / days	135 Tage / jours / days	129 Tage / jours / days	130 Tage / jours / days	128 Tage / jours / days				
Reihenabstand / interlignes / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm				

Standort / lieu / site:	Nyon (430 m ü.M.)	Grangeneuve (630 m ü.M.)	Habstetten (690 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (903 m ü.M.)
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	15.06.21 hacken zwischen den Reihen gekoppelt mit Düngung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Roundup localisé 5,6l/ha (27.03.21); Gardo Gold 4 l/ha, Banve 14S 0,5 l/ha, Elumis 1,3 l/ha (28.06.21)	15.06.21 Equip Power 1,5 l/ha	14.06.21 Elumis 1 l/ha Spectrum 1,2 l/ha	31.05.21 Aspect 2l/ha + Laudis 2l/ha, 03.06.21 Aspect 2l/ha + Laudis 2l/ha	11.06.21 Spectrum Gold 3 l/ha + Laudis 1,5 l/ha	14.06.21 Laudis 2 l/ha + Banve 14s 0,5 l/ha
Grunddüngung / fumure de base / basic fertilisation:	Jus de compost 36 m ³ /ha 33.7.131 (29.09.20); 274 kg/ha super triple (46%); 126 kg P2O5/ha (05.03.21)		27.04.21: Kall 60 %: 200 kg/ha; Granaphos 17 %: 310 kg/ha = 53 kg P/ha, 120 kg K/ha	27.04.21 Perika Kalkstickstoff 2dt/ha (93,6 kg N/ha)	16.04.21 Stappelmist 35 m ³ /ha (160 kg N/ha)	Stappelmist 20t/ha (90 kg N/ha)
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacale (28.05.21): 222 kg N/ha = 60 kg N/ha; Urée perlée 48% (28.06.21): 130 kg N/ha = 60 kg N/ha	04.06.21 166 kg/ha Nitrate sulfomagnésien (24 N, 5 mg, 7 S), 37,5 kg N/ha; 28.06.21 187 kg/ha Urée (46%) 86 kg N/ha	14.06.21: 40,5 kg N/ha (ammonitrate 27,5%); 21.06.21: 78 kg N/ha (Harnstoff 46%)	15.06.21 Mg-Ammonsalpeter 24%N + 5%Mg + 6%S 1,5dt/ha (36 kg N/ha)	13.05.21 Harnstoff 46% 3dt/ha (138 kg N/ha) vor dem Eggen	05.06.21 Ammonsalpeter 1,5dt/ha (40,5 kg N/ha), 22.06.21 Harnstoff 2dt/ha (92kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	95,9 kg N/ha (0-60 cm; Saat/semis/seedling)	142,4 kg N/ha (0-60 cm; Saat/semis/seedling)	27 kg N/ha (0-60 cm; Saat/semis/seedling)	134,4 kg N/ha (28.04.21)	137,2 kg N/ha (17.05.21)	141,6 kg N/ha (02.06.21)
Ernte / Récolte / harvest:	Baural Maishäckler / ensilage	Baural Maishäckler / ensilage	Baural Maishäckler / ensilage	New Holland Versuchsmaishäckler	New Holland Versuchsmaishäckler	New Holland Versuchsmaishäckler

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
KXC00111	e1	-3.29	5.68	0.68	0.02	0.44			0.19	2.39	1.33	3.72
Amaroc	FS	-0.42	2.21	-0.20	-0.03	0.22			0.16	1.79	0.15	1.94
KXC00112	e1	-1.42	1.57	0.79	-0.05	0.06			0.14	0.15	0.94	1.09
Emeleen	e2	0.05	0.01	1.59	0.00	-0.73			-0.32	0.06	0.54	0.60
KWS Odorico	T	1.35	-1.74	0.36	0.02	0.37			0.18	-0.39	0.93	0.54
LG 31205	S	0.58	-1.26	0.88	0.05	0.02			-0.08	-0.68	0.87	0.19
KXC00312	e1	-3.53	4.27	-1.11	-0.02	0.25			0.29	0.74	-0.59	0.15
SY Silverbull	e1	0.99	-4.06	2.79	0.05	-0.06			0.27	-3.07	3.05	-0.02
KWS Damarico	S	-0.58	1.26	-0.88	-0.05	-0.02			0.08	0.68	-0.87	-0.19
Karibous	S	-1.38	0.70	-0.09	0.08	0.29			0.00	-0.68	0.28	-0.40
SY Hummer	e1	-0.85	1.88	-1.26	-0.07	-0.23			-0.06	1.03	-1.62	-0.59
LG 31211	S	-1.62	-0.56	0.80	0.13	0.30			0.03	-2.18	1.26	-0.92
LG 31219	S	0.15	-0.46	-1.06	0.10	0.07			0.26	-0.31	-0.63	-0.94
KWS Papageno	S	-1.26	-2.77	1.90	0.03	0.47			0.15	-4.03	2.55	-1.48
LZM170/73	e1	-9.90	6.70	1.80	0.07	-0.41			0.22	-3.20	1.68	-1.52
KXC00121	e1	-7.49	3.25	1.52	0.03	0.71			0.24	-4.24	2.50	-1.74
ES Blackjack	e1	-5.34	5.36	-2.42	-0.20	0.39			0.08	0.02	-2.15	-2.13
KXB9014	e1	-10.31	6.70	1.59	-0.17	-0.18			0.02	-3.61	1.26	-2.35
LG 31207	S	-2.34	-1.90	0.79	0.08	-0.09			0.11	-4.24	0.89	-3.34
SA0669	e1	-6.54	2.94	-0.32	-0.08	0.35			0.01	-3.60	-0.04	-3.64
LG 31217	e2	-4.09	1.59	-0.60	-0.05	-0.71			0.11	-2.50	-1.25	-3.74
SM K0482	1.	-9.91	9.46	-1.87	0.03	-1.45			-1.07	-0.45	-4.36	-4.81
Kaprilias	T	-3.75	-1.88	0.43	0.03	0.23			-0.09	-5.63	0.60	-5.03
EV3293	e1	-8.18	2.27	0.23	0.25	-0.24			0.19	-5.91	0.43	-5.48
DKC 3218	e2	-5.99	-3.52	1.96	-0.02	0.31			0.25	-9.51	2.50	-7.01
Primino	e1	-8.86	2.49	-1.24	-0.12	0.54			-0.76	-6.37	-1.58	-7.94
SM K0592	1.	-6.27	4.78	-3.09	-0.02	-3.07			-0.29	-1.49	-6.47	-7.97
SY Amboss	T	-11.53	2.44	0.86	0.05	-0.43			0.12	-9.09	0.60	-8.49
Bezugsgrossen		0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00
Anz. Beeb.		13	10	13	13	2			11			
Anz. Orte		5	4	5	5	1			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. %	Beulen- brand %	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha
LG 31211	4.8	63.2	62.8	259.3	93.8	36.3	11.3	1.7	9.7	560.2
Karibous	4.9	62.8	63.4	248.8	96.1	38.7	11.5	1.9	10.1	580.4
LG 31205	5.0	63.7	63.5	274.6	109.8	39.8	16.8	2.3	9.8	553.7
LG 31219	4.9	63.7	63.7	271.7	109.2	40.1	15.8	0.6	9.6	586.1
LG 31207	4.9	63.7	63.8	272.9	104.5	38.4	19.1	1.3	10.1	551.8
KWS Damarío	5.2	63.9	64.4	264.7	106.6	40.2	17.8	1.5	9.7	596.4
KWS Papageno	5.0	63.6	63.9	261.3	100.3	38.4	7.9	1.1	9.8	529.8
DKC 3218	5.1	64.3	64.8	258.5	88.3	34.2	11.0	0.6	9.5	528.5
LG 31217	5.2	65.3	64.9	273.0	122.2	44.9	31.6	1.3	10.2	596.7
Emeleen	5.1	63.7	63.4	280.8	104.9	37.4	31.9	3.5	10.2	555.9
LZM170/73	5.0	64.3	64.3	274.3	104.5	37.9	25.5	0.8	10.2	596.5
SM K0592	5.1	67.0	67.1	290.3	117.3	40.4	78.8	3.3	10.2	653.8
SM K0482	5.0	65.3	65.3	286.1	113.4	39.6	46.3	7.2	9.8	672.9
SY Hummer	5.2	65.6	65.1	264.2	101.5	38.5	21.9	2.2	9.4	607.5
SA0669	5.3	64.7	64.0	275.7	120.1	43.4	10.4	1.9	9.2	603.9
SY Silverbull	5.0	64.6	64.3	244.5	90.2	36.9	18.6	0.5	10.0	519.2
KXB9014	5.4	64.7	64.1	275.2	106.9	39.0	20.8	1.8	9.8	595.7
KXC0111	5.1	65.7	65.1	274.0	110.7	40.4	8.5	0.9	10.2	609.3
KXC0112	5.2	65.4	65.1	276.0	108.2	39.2	16.1	1.2	10.7	582.7
KXC0121	5.0	65.7	65.2	277.3	109.1	39.2	3.1	0.7	10.3	585.7
KXC0312	5.1	65.2	65.1	272.4	105.1	38.5	12.4	0.4	10.2	625.4
ES Blackjack	5.5	64.2	64.6	288.3	110.0	38.2	9.4	1.5	9.7	649.1
EV3293	4.6	66.1	65.8	272.7	93.3	34.2	22.1	1.0	9.9	583.4
Primino	5.3	64.4	64.8	275.1	104.6	37.9	6.6	5.7	9.2	609.2
KWS Odorico	5.1	64.3	64.1	266.3	106.0	39.7	10.0	1.0	10.2	557.5
SY Amboss	5.0	66.1	65.9	274.8	113.6	41.3	25.9	1.3	10.1	580.4
Kaprilias	5.0	63.6	63.4	266.1	102.5	38.5	12.7	2.3	10.1	557.8
Amaroc	5.2	65.9	65.7	286.5	105.0	36.6	12.9	1.1	9.9	592.5
Bezugsgrösse(n)	5.1	63.8	64.0	269.6	108.2	40.0	17.3	1.9	9.8	575.0
Versuchs-Mittel	5.1	64.7	64.6	271.6	105.6	38.9	19.2	1.8	9.9	586.5
VK [%]	10.2	1.7	1.6	3.2	10.2	9.9	101.4	132.0	5.8	9.6
KGD (5%)	0.4	1.1	1.0	7.2	9.1	3.3		2.0	0.4	49.5
KGD (1%)		1.4	1.3	9.5	12.0	4.3		2.6	0.6	65.3
Versuchs-Streuung	0.5	1.1	1.0	8.6	10.8	3.9	19.4	2.4	0.6	56.0
FG Fehlerterm	216.0	135.0	134.0	189.0	189.0	189.0	27.0	189.0	216.0	162.0
Anz. Beob.	13.0	8.0	8.0	11.0	11.0	11.0	2.0	11.0	13.0	10.0
Anz. Orte	5.0	3.0	3.0	4.0	4.0	4.0	1.0	4.0	5.0	4.0
Minimum	4.6	62.8	62.8	244.5	88.3	34.2	3.1	0.4	9.2	519.2
Maximum	5.5	67.0	67.1	290.3	122.2	44.9	78.8	7.2	10.7	672.9

Sorten Bezeichnung	TS- Ertrag g.Pfl. dt/ha	TS- Geh. g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg	Stärke Gehalt NIR g/kg	Rohfas. Gehalt NIR g/kg	NDF Gehalt NIR g/kg	Rohpr. Gehalt NIR g/kg	NEL Geh. MJ/kg	NEV Geh. MJ/kg
LG 31211	205.1	35.7	140.9	68.9	685.7	334.8	172.2	387.4	60.2	6.2	6.3
Karibous	208.2	35.0	144.2	73.0	686.3	341.8	174.4	388.2	59.1	6.2	6.3
LG 31205	203.3	35.8	141.0	71.9	691.2	349.5	170.2	375.0	59.4	6.3	6.4
LG 31219	205.3	34.2	142.0	71.9	690.2	347.2	171.7	381.3	59.8	6.2	6.4
LG 31207	201.7	35.7	138.3	66.5	683.9	324.9	175.7	386.9	55.8	6.2	6.3
KWS Damarío	209.6	34.4	145.3	73.1	688.3	344.1	170.0	377.9	58.0	6.2	6.3
KWS Papageno	199.5	36.6	137.2	70.0	686.6	352.0	165.3	369.5	56.0	6.2	6.3
DKC 3218	197.6	36.7	132.7	59.6	674.8	305.8	182.4	408.0	56.4	6.1	6.1
LG 31217	210.4	34.6	143.1	71.5	679.6	332.2	177.9	395.5	56.8	6.1	6.2
Emeleen	206.5	36.4	141.5	70.3	689.9	342.7	168.1	381.2	57.2	6.2	6.4
LZM170/73	223.2	36.5	149.0	72.7	665.0	323.9	179.7	399.2	57.2	6.0	6.0
SM K0592	218.4	32.6	147.8	71.8	674.1	325.5	184.3	399.4	58.7	6.1	6.1
SM K0482	230.1	33.6	153.8	77.3	665.0	328.9	183.9	403.8	60.6	6.0	6.0
SY Hummer	211.2	34.1	145.0	72.7	687.7	341.4	168.9	380.2	58.8	6.2	6.3
SA0669	213.8	34.8	143.4	69.8	673.4	326.0	176.7	394.4	57.8	6.1	6.1
SY Silverbull	196.3	37.3	135.8	68.8	692.3	346.7	165.1	373.2	58.2	6.3	6.4
KXB9014	223.2	36.4	148.4	72.3	664.0	315.6	182.0	402.9	55.2	6.0	6.0
KXC0111	220.7	35.6	151.7	74.5	681.6	322.9	177.9	394.1	55.2	6.1	6.2
KXC0112	210.4	35.7	145.2	74.9	686.2	340.3	168.4	369.4	55.3	6.2	6.3
KXC0121	214.6	36.3	145.1	74.0	671.1	333.5	180.9	397.4	54.8	6.0	6.1
KXC0312	217.1	34.2	147.7	72.6	681.0	330.1	172.9	386.2	57.4	6.1	6.2
ES Blackjack	219.8	33.2	149.0	74.5	676.4	338.1	177.8	393.4	60.0	6.1	6.2
EV3293	212.1	35.3	142.7	67.1	669.3	306.3	183.9	408.0	59.1	6.0	6.1
Primino	212.7	34.1	143.1	70.9	667.6	326.7	180.5	404.0	63.0	6.0	6.0
KWS Odorico	202.1	35.4	139.8	73.2	693.2	358.7	168.1	372.9	59.5	6.3	6.4
SY Amboss	212.6	35.8	141.2	66.4	661.0	306.7	189.5	427.8	59.1	5.9	6.0
Kaprilias	201.8	35.4	137.1	69.1	680.4	337.3	172.4	380.5	57.3	6.1	6.2
Amaroc	212.0	34.9	146.4	71.0	688.7	327.8	178.6	395.9	57.7	6.2	6.3
Bezugsgrösse(n)	206.5	35.1	143.2	72.5	689.8	346.8	170.1	376.5	58.7	6.2	6.4
Versuchs-Mittel	210.7	35.2	143.5	71.1	679.8	332.5	175.7	390.5	58.0	6.1	6.2
VK [%]	7.5	5.2	8.1	11.0	2.5	7.4	5.9	5.3	7.1	3.0	3.9
KGD (5%)	14.0	1.4	10.3	6.9	13.0	18.9	8.0	16.0	3.2	0.1	0.2
KGD (1%)	18.5	1.9		9.1	17.2	24.9	10.6	21.1	4.2	0.2	0.2
Versuchs-Streuung	15.9	1.8	11.7	7.8	16.8	24.4	10.4	20.7	4.1	0.2	0.2
FG Fehlerterm	162.0	216.0	162.0	162.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
Anz. Beob.	10.0	13.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Anz. Orte	4.0	5.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Minimum	196.3	32.6	132.7	59.6	661.0	305.8	165.1	369.4	54.8	5.9	6.0
Maximum	230.1	37.3	153.8	77.3	693.2	358.7	189.5	427.8	63.0	6.3	6.4

4.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	4.8 ---	5.0 -----	5.0 -----	6.0 -----	5.5 -
Karibous	4.9 ----	5.0 -----	4.5 ---	5.0 -	6.5 -----
LG 31205	5.0 ----	4.3 -	5.0 -----	5.7 -----	7.0 -----
LG 31219	4.9 ----	4.3 -	4.5 ---	5.3 ----	7.0 -----
LG 31207	4.9 ----	4.7 ---	5.0 -----	5.0 -	7.0 -----
KWS Damario	5.2 -----	5.0 -----	5.0 -----	5.3 ----	7.0 -----
KWS Papageno	5.0 ----	5.0 -----	5.0 -----	5.0 -	6.5 -----
DKC 3218	5.1 -----	4.7 ---	5.0 -----	5.3 ----	7.0 -----
LG 31217	5.2 -----	5.0 -----	5.0 -----	5.0 -	7.0 -----
Emeleen	5.1 -----	5.0 -----	4.5 ---	5.7 -----	7.0 -----
LZM170/73	5.0 ----	4.3 -	5.0 -----	5.7 -----	6.5 -----
SM K0592	5.1 -----	4.7 ---	5.5 -----	5.3 ----	6.5 -----
SM K0482	5.0 ----	5.0 -----	5.5 -----	6.0 -----	6.0 ----
SY Hummer	5.2 -----	5.3 -----	5.5 -----	6.0 -----	6.0 ----
SA0669	5.3 -----	5.7 -----	6.0 -----	6.0 -----	6.0 ----
SY Silverbull	5.0 ----	5.0 -----	4.5 ---	5.3 ----	6.5 -----
KXB9014	5.4 -----	5.3 -----	5.5 -----	5.7 -----	7.0 -----
KXC0111	5.1 -----	4.7 ---	5.5 -----	5.3 ----	6.5 -----
KXC0112	5.2 -----	5.0 -----	5.0 -----	5.7 -----	7.0 -----
KXC0121	5.0 ----	5.0 -----	5.0 -----	5.0 -	6.5 ----
KXC0312	5.1 -----	5.7 -----	4.0 -	5.0 -	7.0 -----
ES Blackjack	5.5 -----	5.7 -----	5.5 -----	5.3 ----	7.0 -----
EV3293	4.6 -	4.7 ---	4.5 ---	5.0 -	5.5 -
Primino	5.3 -----	5.7 -----	5.5 -----	6.0 -----	6.5 -----
KWS Odorico	5.1 ----	5.0 -----	5.5 -----	5.3 ----	6.5 -----
SY Amboss	5.0 ----	5.0 -----	5.0 -----	6.0 -----	6.0 ----
Kaprilias	5.0 ----	5.0 -----	4.5 ---	5.3 ----	7.0 -----
Amaroc	5.2 -----	4.3 -	5.5 -----	5.3 ----	7.0 -----
-Bezugsgrösse(n)	5.1 ----	4.7 ---	5.0 ----	5.5 ----	7.0 -----
Versuchs-Mittel	5.1 ----	5.0 ----	5.1 ----	5.5 ----	6.6 -----
VK [%]	10.2	8.4	9.4	9.0	6.7
KGD (5%)	0.4	0.7	ns	ns	0.9
KGD (1%)	ns	0.9	ns	ns	ns
Versuchs-Streuung	0.5	0.4	0.5	0.5	0.4
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	11.6	27	1.59 *	1.54	0.0380
Anbauorte	387.1	4	359.29 ***	2.42	0.0000
WW Verf.*Anb.Orte	50.2	108	1.73 ns	1.31	
Fehler	58.2	216			
Insgesamt	507.0	355			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8193	
	Eglisau ZH	
LG 31211	2.7	-
Karibous	3.7	-----
LG 31205	3.0	---
LG 31219	3.3	-----
LG 31207	3.0	---
KWS Damario	3.7	-----
KWS Papageno	3.7	-----
DKC 3218	3.7	-----
LG 31217	4.0	-----
Emeleen	3.3	-----
LZM170/73	3.3	-----
SM K0592	3.7	-----
SM K0482	2.7	-
SY Hummer	3.3	-----
SA0669	2.7	-
SY Silverbull	3.7	-----
KXB9014	3.7	-----
KXC0111	3.3	-----
KXC0112	3.3	-----
KXC0121	3.7	-----
KXC0312	4.0	-----
ES Blackjack	4.0	-----
EV3293	3.3	-----
Primino	3.0	---
KWS Odorico	3.0	---
SY Amboss	3.0	---
Kaprilias	3.3	-----
Amaroc	3.7	-----
-Bezugsgrösse(n)	3.3	-----
Versuchs-Mittel	3.4	-----
VK [%]	19.8	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	0.7	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8193 Eglisau ZH
LG 31211	63.2 -	55.3 --	63.5 ---	70.7 -
Karibous	62.8 -	54.7 -	62.5 -	71.3 ---
LG 31205	63.7 ---	55.0 -	63.5 ---	72.7 -----
LG 31219	63.7 ---	55.7 --	64.0 ---	71.3 ---
LG 31207	63.7 ---	55.3 --	64.0 ---	71.7 ---
KWS Damario	63.9 ---	56.7 ----	63.5 ---	71.7 ----
KWS Papageno	63.6 --	56.0 ---	62.0 -	72.7 -----
DKC 3218	64.3 ----	57.3 -----	64.0 ----	71.7 ----
LG 31217	65.3 -----	57.3 -----	65.0 -----	73.7 -----
Emeleen	63.7 ---	55.3 --	64.0 ---	71.7 ----
LZM170/73	64.3 ----	56.0 ---	64.0 ----	73.0 -----
SM K0592	67.0 -----	59.7 -----	68.0 -----	73.3 -----
SM K0482	65.3 ----	57.7 ----	65.5 ----	72.7 ----
SY Hummer	65.6 ----	58.0 ----	65.0 ----	73.7 -----
SA0669	64.7 ----	57.0 ----	66.0 ----	71.0 --
SY Silverbull	64.6 ----	57.7 ----	64.5 ----	71.7 ----
KXB9014	64.7 ----	58.0 ----	64.5 ----	71.7 ----
KXC0111	65.7 ----	58.7 ----	66.0 ----	72.3 ----
KXC0112	65.4 ----	58.3 ----	65.5 ----	72.3 ----
KXC0121	65.7 ----	58.0 ----	65.0 ----	74.0 -----
KXC0312	65.2 ----	57.7 ----	66.0 ----	72.0 ----
ES Blackjack	64.2 ----	57.3 ----	63.5 ---	71.7 ----
EV3293	66.1 ----	60.0 -----	65.0 ----	73.3 -----
Primino	64.4 ----	56.7 ---	64.0 ---	72.7 ----
KWS Odorico	64.3 ----	57.7 ----	64.0 ----	71.3 ---
SY Amboss	66.1 ----	58.7 ----	67.0 ----	72.7 ----
Kaprilias	63.6 --	56.3 ----	63.5 ---	71.0 --
Amaroc	65.9 ----	59.3 ----	66.0 ----	72.3 ----
-Bezugsgrösse(n)	63.8 ---	55.8 ---	63.5 ---	72.2 -----
Versuchs-Mittel	64.7 ----	57.2 ----	64.6 ----	72.2 ----
VK [%]	1.7	1.8	1.8	1.6
KGD (5%)	1.1	1.6	2.4	1.9
KGD (1%)	1.4	2.2	3.2	ns
Versuchs-Streuung	1.1	1.0	1.2	1.2
FG Fehlerterm	135.0	54.0	27.0	54.0
Anz. Beob.	8.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	228.5	27	6.91 ***	1.57	0.0000
Anbauorte	8413.7	2	3436.53 ***	3.06	0.0000
WW Verf.*Anb.Orte	101.6	54	1.54 *	1.43	0.0245
Fehler	165.3	135			
Insgesamt	8909.1	218			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8193 Eglisau ZH
LG 31211	62.8 -	54.3 -	62.5 -	71.7 -
Karibous	63.4 --	54.3 -	62.5 -	73.3 -----
LG 31205	63.5 --	54.0 -	62.5 -	74.0 -----
LG 31219	63.7 ---	54.7 --	64.0 ---	72.3 ---
LG 31207	63.8 ---	54.3 -	63.5 ---	73.7 -----
KWS Damario	64.4 ----	55.7 ----	64.0 ---	73.7 -----
KWS Papageno	63.9 ---	55.3 ---	62.0 -	74.3 -----
DKC 3218	64.8 ----	56.3 ----	64.0 ---	74.0 -----
LG 31217	64.9 ----	56.3 ----	64.0 ---	74.3 -----
Emeleen	63.4 --	54.3 -	62.5 -	73.3 -----
LZM170/73	64.3 ----	55.3 ---	63.0 --	74.7 -----
SM K0592	67.1 -----	58.3 -----	69.0 -----	74.0 -----
SM K0482	65.3 -----	56.7 -----	64.5 ----	74.7 -----
SY Hummer	65.1 -----	56.3 -----	64.0 ---	75.0 -----
SA0669	64.0 ---	55.7 ----	64.0 ---	72.3 ---
SY Silverbull	64.3 ----	55.7 ----	63.5 ---	73.7 -----
KXB9014	64.1 ---	56.0 ----	63.5 ---	72.7 ----
KXC0111	65.1 -----	57.0 -----	65.0 -----	73.3 -----
KXC0112	65.1 -----	57.3 -----	64.5 ----	73.3 -----
KXC0121	65.2 -----	57.0 -----	63.5 ---	75.0 -----
KXC0312	65.1 -----	56.3 -----	65.0 -----	74.0 -----
ES Blackjack	64.6 ----	56.3 ----	63.5 ---	74.0 -----
EV3293	65.8 -----	59.0 -----	64.0 ---	74.3 -----
Primino	64.8 -----	55.7 ----	64.5 ----	74.3 -----
KWS Odorico	64.1 ----	56.7 ----	63.0 --	72.7 ----
SY Amboss	65.9 -----	57.7 -----	66.0 -----	74.0 -----
Kaprilias	63.4 --	55.3 ---	63.0 --	72.0 --
Amaroc	65.7 -----	58.0 -----	65.0 -----	74.0 -----
-Bezugsgrösse(n)	64.0 ---	54.8 --	63.3 --	73.8 -----
Versuchs-Mittel	64.6 ----	56.1 ----	63.9 ---	73.7 -----
VK [%]	1.6	1.7	1.7	1.4
KGD (5%)	1.0	1.5	2.2	1.7
KGD (1%)	1.3	2.0	3.0	2.2
Versuchs-Streuung	1.0	0.9	1.1	1.0
FG Fehlerterm	134.0	54.0	26.0	54.0
Anz. Beob.	8.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	192.3	27	7.09 ***	1.57	0.0000
Anbauorte	11602.1	2	5778.29 ***	3.06	0.0000
WW Verf.*Anb.Orte	116.3	54	2.14 ***	1.43	0.0007
Fehler	134.5	134			
Insgesamt	12045.2	217			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
LG 31211	259.3 ----	260.0 ----	250.0 --	245.0 ----	282.3 ----
Karibous	248.8 --	250.0 --	255.0 ---	223.3 -	266.7 --
LG 31205	274.6 -----	260.0 ----	275.0 -----	258.3 -----	305.0 -----
LG 31219	271.7 -----	266.7 -----	282.5 -----	255.0 -----	282.7 ---
LG 31207	272.9 -----	263.3 -----	255.0 ---	258.3 -----	315.0 -----
KWS Damario	264.7 -----	253.3 ---	280.0 -----	245.0 ----	280.3 ----
KWS Papageno	261.3 ----	263.3 -----	260.0 ----	240.0 ----	281.7 ----
DKC 3218	258.5 ----	263.3 -----	242.5 -	240.0 ----	288.3 ----
LG 31217	273.0 -----	263.3 -----	285.0 -----	246.7 -----	297.0 -----
Emeleen	280.8 -----	265.0 -----	295.0 -----	250.0 -----	313.0 -----
LZM170/73	274.3 -----	250.0 --	280.0 -----	255.0 -----	312.3 -----
SM K0592	290.3 -----	288.3 -----	297.5 -----	270.0 -----	305.3 -----
SM K0482	286.1 -----	273.3 -----	300.0 -----	261.7 -----	309.3 -----
SY Hummer	264.2 ----	245.0 -	272.5 ----	248.3 ----	291.0 ----
SA0669	275.7 -----	258.3 ----	285.0 -----	251.7 -----	307.7 -----
SY Silverbull	244.5 -	243.3 -	247.5 -	226.7 -	260.3 -
KXB9014	275.2 -----	268.3 -----	287.5 -----	245.0 ----	300.0 -----
KXC0111	274.0 -----	266.7 -----	277.5 -----	246.7 -----	305.0 -----
KXC0112	276.0 -----	280.0 -----	282.5 -----	245.0 ----	296.3 -----
KXC0121	277.3 -----	265.0 ----	292.5 -----	251.7 -----	300.0 -----
KXC0312	272.4 -----	273.3 -----	282.5 -----	243.3 ----	290.3 ----
ES Blackjack	288.3 -----	280.0 -----	295.0 -----	260.0 -----	318.3 -----
EV3293	272.7 -----	270.0 -----	280.0 ----	258.3 -----	282.3 ----
Primino	275.1 ----	261.7 ----	285.0 ----	263.3 -----	290.3 ----
KWS Odorico	266.3 ----	261.7 ----	275.0 ----	248.3 ----	280.0 ----
SY Amboss	274.8 -----	263.3 ----	277.5 -----	260.0 -----	298.3 -----
Kaprilias	266.1 ----	255.0 ---	272.5 ----	260.0 -----	277.0 ---
Amaroc	286.5 -----	278.3 -----	300.0 -----	266.7 -----	301.0 -----
-Bezugsgrösse(n)	269.6 -----	256.7 ----	277.5 -----	251.7 -----	292.7 -----
Versuchs-Mittel	271.6 -----	263.9 ----	277.5 -----	250.8 ----	294.2 -----
VK [%]	3.2	3.1	3.8	3.4	2.7
KGD (5%)	7.2	13.4	21.6	14.0	13.0
KGD (1%)	9.5	17.9	29.2	18.6	17.4
Versuchs-Streuung	8.6	8.2	10.5	8.5	8.0
FG Fehlerterm	189.0	54.0	27.0	54.0	54.0
Anz. Beob.	11.0	3.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	34361.1	27	17.21 ***	1.55	0.0000
Anbauorte	79672.4	3	359.12 ***	2.65	0.0000
WW Verf.*Anb.Orte	17599.1	81	2.94 ***	1.35	0.0001
Fehler	13976.9	189			
Insgesamt	145609.5	300			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
LG 31211	93.8 --	93.3 -----	87.5 -	96.7 ----	97.7 -
Karibous	96.1 ---	83.3 ---	102.5 ----	91.7 ---	107.0 ---
LG 31205	109.8 -----	86.7 ----	122.5 -----	101.7 -----	128.3 -----
LG 31219	109.2 -----	96.7 -----	125.0 -----	100.0 ----	115.0 ----
LG 31207	104.5 -----	96.7 -----	107.5 -----	96.7 ----	117.0 ----
KWS Damario	106.6 -----	93.3 -----	115.0 -----	101.7 -----	116.3 -----
KWS Papageno	100.3 ----	91.7 -----	110.0 -----	91.7 ---	108.0 ---
DKC 3218	88.3 -	76.7 -	95.0 --	81.7 -	100.0 -
LG 31217	122.2 -----	101.7 -----	130.0 -----	131.7 -----	125.3 -----
Emeleen	104.9 -----	90.0 -----	120.0 -----	96.7 ----	113.0 ----
LZM170/73	104.5 -----	80.0 --	120.0 -----	98.3 ----	119.7 ----
SM K0592	117.3 -----	103.3 -----	127.5 -----	111.7 -----	126.7 -----
SM K0482	113.4 -----	96.7 -----	130.0 -----	105.0 ----	122.0 ----
SY Hummer	101.5 ----	86.7 ---	107.5 ----	105.0 ----	107.0 ---
SA0669	120.1 -----	98.3 -----	132.5 -----	106.7 -----	143.0 -----
SY Silverbull	90.2 -	81.7 --	90.0 -	88.3 --	100.7 -
KXB9014	106.9 -----	93.3 -----	100.0 ---	111.7 -----	122.7 -----
KXC0111	110.7 -----	96.7 -----	120.0 -----	105.0 ----	121.0 ----
KXC0112	108.2 -----	93.3 -----	117.5 -----	100.0 ----	122.0 ----
KXC0121	109.1 -----	95.0 -----	120.0 -----	95.0 ---	126.3 -----
KXC0312	105.1 -----	93.3 -----	120.0 -----	93.3 ---	113.7 ---
ES Blackjack	110.0 -----	101.7 -----	117.5 -----	105.0 ----	116.0 ----
EV3293	93.3 --	81.7 --	95.0 --	91.7 --	104.7 --
Primino	104.6 ----	88.3 ----	115.0 ----	98.3 ----	116.7 ----
KWS Odorico	106.0 ----	91.7 ----	112.5 ----	98.3 ----	121.3 ----
SY Amboss	113.6 -----	98.3 -----	122.5 -----	108.3 -----	125.3 -----
Kaprilias	102.5 ----	90.0 ----	110.0 ----	98.3 ----	111.7 ----
Amaroc	105.0 ----	88.3 ----	117.5 ----	101.7 ----	112.7 ----
-Bezugsgrösse(n)	108.2 -----	90.0 -----	118.8 -----	101.7 -----	122.3 -----
Versuchs-Mittel	105.6 -----	91.7 -----	113.9 -----	100.4 ----	116.5 ----
VK [%]	10.2	9.2	8.0	12.4	10.3
KGD (5%)	9.1	13.8	18.6	ns	19.6
KGD (1%)	12.0	ns	25.1	ns	ns
Versuchs-Streuung	10.8	8.4	9.1	12.4	12.0
FG Fehlerterm	189.0	54.0	27.0	54.0	54.0
Anz. Beob.	11.0	3.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	20036.8	27	6.34 ***	1.55	0.0000
Anbauorte	31299.3	3	89.08 ***	2.65	0.0000
WW Verf.*Anb.Orte	7999.3	81	0.84 ns	1.35	0.8080
Fehler	22136.4	189			
Insgesamt	81471.8	300			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
LG 31211	36.3 ---	36.0 -----	35.0 -	39.5 ---	34.7 -
Karibous	38.7 -----	33.3 -----	40.2 -----	41.0 ---	40.1 -----
LG 31205	39.8 -----	33.4 -----	44.5 -----	39.4 ---	42.0 -----
LG 31219	40.1 -----	36.3 -----	44.3 -----	39.2 ---	40.7 -----
LG 31207	38.4 -----	36.7 -----	42.2 -----	37.4 --	37.1 ---
KWS Damario	40.2 -----	36.9 -----	40.9 -----	41.5 -----	41.6 -----
KWS Papageno	38.4 -----	34.9 -----	42.3 -----	38.3 ---	38.2 ---
DKC 3218	34.2 -	29.1 -	39.2 -----	34.0 -	34.6 -
LG 31217	44.9 -----	38.8 -----	45.6 -----	52.9 -----	42.2 -----
Emeleen	37.4 ---	34.0 -----	40.7 -----	38.6 ---	36.1 --
LZM170/73	37.9 ---	31.9 ---	42.9 -----	38.5 ---	38.3 ---
SM K0592	40.4 -----	35.9 -----	42.8 -----	41.4 -----	41.4 -----
SM K0482	39.6 -----	35.4 -----	43.4 -----	40.1 ---	39.4 -----
SY Hummer	38.5 -----	35.3 -----	39.5 ---	42.3 -----	36.8 --
SA0669	43.4 -----	38.1 -----	46.6 -----	42.4 -----	46.5 -----
SY Silverbull	36.9 ---	33.6 -----	36.4 ---	39.0 ---	38.6 ---
KXB9014	39.0 -----	34.8 -----	34.8 -	45.6 -----	40.9 -----
KXC0111	40.4 -----	36.2 -----	43.2 -----	42.6 -----	39.6 -----
KXC0112	39.2 -----	33.4 -----	41.5 -----	40.8 ---	41.2 -----
KXC0121	39.2 -----	35.9 -----	41.1 -----	37.8 ---	42.1 -----
KXC0312	38.5 -----	34.1 -----	42.5 -----	38.3 ---	39.1 ---
ES Blackjack	38.2 ---	36.3 -----	39.8 -----	40.4 ---	36.4 --
EV3293	34.2 -	30.2 --	33.9 -	35.5 -	37.1 ---
Primino	37.9 ---	33.8 -----	40.3 -----	37.3 --	40.2 -----
KWS Odorico	39.7 -----	35.0 -----	40.9 -----	39.5 ---	43.4 -----
SY Amboss	41.3 -----	37.5 -----	44.1 -----	41.6 -----	42.0 -----
Kaprilias	38.5 -----	35.3 -----	40.4 -----	37.8 ---	40.4 -----
Amaroc	36.6 ---	31.8 ---	39.2 -----	38.1 ---	37.5 ---
-Bezugsgrösse(n)	40.0 -----	35.1 -----	42.7 -----	40.4 -----	41.8 -----
Versuchs-Mittel	38.9 -----	34.8 -----	41.0 -----	40.0 -----	39.6 -----
VK [%]	9.9	9.6	7.6	11.1	10.2
KGD (5%)	3.3	ns	6.4	7.3	ns
KGD (1%)	4.3	ns	ns	ns	ns
Versuchs-Streuung	3.9	3.3	3.1	4.5	4.1
FG Fehlerterm	189.0	54.0	27.0	54.0	54.0
Anz. Beob.	11.0	3.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1511.1	27	3.75 ***	1.55	0.0001
Anbauorte	1790.1	3	39.94 ***	2.65	0.0000
WW Verf.*Anb.Orte	1023.9	81	0.85 ns	1.35	0.8030
Fehler	2823.5	189			
Insgesamt	7148.6	300			

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

Verfahren	Seriemittel		8047 Reckenholz ZH	
LG 31211	11.3	--	11.3	--
Karibous	11.5	--	11.5	--
LG 31205	16.8	--	16.8	--
LG 31219	15.8	--	15.8	--
LG 31207	19.1	---	19.1	---
KWS Damaro	17.8	---	17.8	---
KWS Papageno	7.9	-	7.9	-
DKC 3218	11.0	--	11.0	--
LG 31217	31.6	----	31.6	----
Emeleen	31.9	----	31.9	----
LZM170/73	25.5	----	25.5	----
SM K0592	78.8	-----	78.8	-----
SM K0482	46.3	-----	46.3	-----
SY Hummer	21.9	---	21.9	---
SA0669	10.4	--	10.4	--
SY Silverbull	18.6	---	18.6	---
KXB9014	20.8	---	20.8	---
KXC0111	8.5	-	8.5	-
KXC0112	16.1	--	16.1	--
KXC0121	3.1	-	3.1	-
KXC0312	12.4	--	12.4	--
ES Blackjack	9.4	-	9.4	-
EV3293	22.1	---	22.1	---
Primino	6.6	-	6.6	-
KWS Odorico	10.0	--	10.0	--
SY Amboss	25.9	----	25.9	----
Kaprilias	12.7	--	12.7	--
Amaroc	12.9	--	12.9	--
-Bezugsgrösse(n)	17.3	--	17.3	--
Versuchs-Mittel	19.2	---	19.2	---
VK [%]	101.4		101.4	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	19.4		19.4	
FG Fehlerterm	27.0		27.0	
Anz. Beob.	2.0		2.0	

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
LG 31211	1.7 ---	3.2 --	0.0 -	3.7 -----	0.0 -
Karibous	1.9 ---	3.6 ---	0.0 -	0.6 -	3.3 -----
LG 31205	2.3 ---	2.0 --	0.5 ----	2.7 ----	4.0 -----
LG 31219	0.6 -	0.7 -	0.0 -	0.0 -	1.6 ---
LG 31207	1.3 --	2.2 --	0.0 -	1.6 ---	1.5 ---
KWS Damario	1.5 --	3.1 --	0.5 ----	0.0 -	2.3 ----
KWS Papageno	1.1 --	2.5 --	0.0 -	0.6 -	1.4 ---
DKC 3218	0.6 -	1.1 -	0.0 -	0.0 -	1.4 ---
LG 31217	1.3 --	1.8 --	0.5 ----	1.2 --	1.8 ---
Emeleen	3.5 -----	6.9 -----	1.0 -----	2.2 ----	3.8 -----
LZM170/73	0.8 -	1.9 --	0.0 -	0.6 -	0.5 -
SM K0592	3.3 -----	4.1 ---	1.0 -----	6.0 -----	2.3 ----
SM K0482	7.2 -----	14.4 -----	0.0 -	7.2 -----	7.2 -----
SY Hummer	2.2 ---	4.5 ---	0.0 -	2.6 ----	1.5 ---
SA0669	1.9 ---	4.5 ---	0.5 ----	1.3 --	1.0 --
SY Silverbull	0.5 -	0.3 -	0.0 -	1.3 --	0.5 -
KXB9014	1.8 ---	4.1 ---	1.1 -----	0.0 -	1.9 ---
KXC0111	0.9 -	0.6 -	1.0 -----	0.7 --	1.5 ---
KXC0112	1.2 --	2.2 --	0.0 -	1.0 --	1.4 ---
KXC0121	0.7 -	0.3 -	0.0 -	0.6 -	1.9 ---
KXC0312	0.4 -	1.2 -	0.0 -	0.0 -	0.5 -
ES Blackjack	1.5 --	1.7 --	0.0 -	1.9 ---	2.4 ----
EV3293	1.0 -	1.8 --	0.0 -	0.0 -	2.1 ---
Primino	5.7 -----	15.8 -----	0.0 -	3.8 -----	3.2 ----
KWS Odorico	1.0 -	0.6 -	0.0 -	0.0 -	3.3 -----
SY Amboss	1.3 --	0.3 -	0.0 -	0.6 -	4.2 -----
Kaprilias	2.3 ---	6.8 -----	0.0 -	0.0 -	2.5 ----
Amaroc	1.1 --	0.7 -	1.4 -----	0.3 -	1.8 ---
-Bezugsgrösse(n)	1.9 ---	2.5 --	0.5 ----	1.3 --	3.2 -----
Versuchs-Mittel	1.8 ---	3.3 ---	0.3 --	1.4 ---	2.2 ----
VK [%]	132.0	93.1	246.7	141.7	110.8
KGD (5%)	2.0	5.1	ns	3.4	ns
KGD (1%)	2.6	6.8	ns	4.5	ns
Versuchs-Streuung	2.4	3.1	0.7	2.1	2.4
FG Fehlerterm	189.0	54.0	27.0	54.0	54.0
Anz. Beob.	11.0	3.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	697.5	27	4.55 ***	1.55	0.0000
Anbauorte	382.5	3	22.47 ***	2.65	0.0000
WW Verf.*Anb.Orte	792.0	81	1.72 **	1.35	0.0013
Fehler	1072.6	189			
Insgesamt	2944.7	300			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	9.7 ----	9.3 ----	9.7 ---	10.4 -----	9.1 -----
Karibous	10.1 -----	10.3 -----	10.3 ----	10.8 -----	8.8 ----
LG 31205	9.8 ----	9.9 -----	10.0 ----	10.0 ---	9.1 -----
LG 31219	9.6 ---	9.5 ----	10.4 ----	10.3 ----	8.7 ----
LG 31207	10.1 -----	10.4 -----	10.1 ----	10.7 -----	9.2 -----
KWS Damario	9.7 ----	9.9 -----	9.7 ---	10.4 -----	8.7 ----
KWS Papageno	9.8 ----	10.4 -----	9.1 --	10.2 ----	9.3 -----
DKC 3218	9.5 ---	9.3 ----	8.6 -	10.0 ---	9.8 -----
LG 31217	10.2 -----	9.8 ----	10.4 ----	10.5 -----	9.8 -----
Emeleen	10.2 -----	10.6 -----	9.9 ---	10.8 -----	9.9 -----
LZM170/73	10.2 -----	10.3 -----	10.5 ----	10.3 ----	9.4 -----
SM K0592	10.2 -----	10.5 -----	10.4 ----	10.3 ----	9.4 -----
SM K0482	9.8 ----	9.8 ----	10.1 ----	10.3 ----	9.3 ----
SY Hummer	9.4 --	9.3 ---	9.9 ---	10.5 -----	7.8 -
SA0669	9.2 -	8.7 -	9.6 ---	9.9 --	8.6 ----
SY Silverbull	10.0 -----	10.7 -----	10.6 ----	10.7 -----	8.3 ---
KXB9014	9.8 ----	10.5 -----	9.4 --	10.1 ----	9.1 -----
KXC0111	10.2 -----	10.4 -----	10.5 ----	10.4 ----	9.6 -----
KXC0112	10.7 -----	10.7 -----	13.4 -----	10.4 ----	8.9 ----
KXC0121	10.3 -----	10.5 -----	10.2 ----	10.7 -----	9.6 -----
KXC0312	10.2 -----	10.5 -----	10.5 ----	10.9 -----	9.4 -----
ES Blackjack	9.7 ----	9.9 -----	10.2 ----	10.3 ----	8.3 ---
EV3293	9.9 ----	10.2 -----	9.7 ---	10.7 -----	9.3 ----
Primino	9.2 -	9.6 ----	9.8 ---	9.8 -	7.9 -
KWS Odorico	10.2 -----	10.3 -----	11.4 -----	10.5 -----	9.0 -----
SY Amboss	10.1 -----	10.1 -----	10.1 ----	10.7 -----	9.2 -----
Kaprilias	10.1 -----	10.7 -----	10.7 ----	10.3 ----	9.1 -----
Amaroc	9.9 ----	10.2 -----	10.0 ----	10.2 ----	8.8 ----
-Bezugsgrösse(n)	9.8 ----	9.9 -----	9.8 ---	10.2 ----	8.9 -----
Versuchs-Mittel	9.9 ----	10.1 -----	10.2 ----	10.4 -----	9.1 -----
VK [%]	5.8	5.3	10.7	4.2	5.7
KGD (5%)	0.4	0.9	ns	ns	1.1
KGD (1%)	0.6	1.2	ns	ns	ns
Versuchs-Streuung	0.6	0.5	1.1	0.4	0.5
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	40.9	27	4.62 ***	1.54	0.0000
Anbauorte	78.5	4	59.94 ***	2.42	0.0000
WW Verf.*Anb.Orte	61.6	108	1.74 ns	1.31	
Fehler	70.7	216			
Insgesamt	251.7	355			

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

Verfahren	8193	
	Eglisau ZH	
LG 31211	9.8	----
Karibous	10.1	-----
LG 31205	9.8	-----
LG 31219	9.0	-
LG 31207	9.9	-----
KWS Damario	10.1	-----
KWS Papageno	10.2	-----
DKC 3218	9.8	----
LG 31217	10.5	-----
Emeleen	9.8	-----
LZM170/73	10.3	-----
SM K0592	10.2	-----
SM K0482	9.6	---
SY Hummer	9.6	---
SA0669	9.2	--
SY Silverbull	9.8	-----
KXB9014	10.0	-----
KXC0111	10.0	-----
KXC0112	10.1	-----
KXC0121	10.5	-----
KXC0312	10.0	-----
ES Blackjack	10.0	-----
EV3293	9.7	----
Primino	9.2	--
KWS Odorico	9.9	-----
SY Amboss	10.3	-----
Kaprilias	9.8	-----
Amaroc	10.5	-----
-Bezugsgrösse(n)	10.0	-----
Versuchs-Mittel	9.9	-----
VK [%]	3.3	
KGD (5%)	0.5	
KGD (1%)	0.7	
Versuchs-Streuung	0.3	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8046 Reckenholz ZH	8193 Eglisau ZH
LG 31211	560.2 ---	516.5 -----	596.8 ---	573.3 ----	554.3 -
Karibous	580.4 -----	484.5 ----	643.4 -----	598.0 -----	595.8 ---
LG 31205	553.7 ---	429.9 -	536.3 -	623.8 -----	624.6 ----
LG 31219	586.1 ----	488.0 ----	656.5 -----	605.7 ----	594.2 ---
LG 31207	551.8 ---	433.5 -	568.0 --	619.1 -----	586.5 ---
KWS Damario	596.4 -----	536.5 -----	642.9 -----	598.7 -----	607.5 ----
KWS Papageno	529.8 -	498.5 -----	545.4 -	541.0 ---	534.1 -
DKC 3218	528.5 -	499.4 -----	552.5 -	506.4 --	555.8 --
LG 31217	596.7 ----	511.1 -----	587.4 ---	614.3 -----	673.9 -----
Emeleen	555.9 ---	478.1 ----	582.4 ---	538.6 ---	624.4 ----
LZM170/73	596.5 -----	469.8 ----	653.6 -----	643.4 -----	619.3 ----
SM K0592	653.8 -----	556.8 -----	724.7 -----	690.6 -----	643.1 ----
SM K0482	672.9 -----	562.9 -----	747.8 -----	707.5 -----	673.3 ----
SY Hummer	607.5 ----	505.8 ----	675.0 ----	555.1 ---	694.1 -----
SA0669	603.9 ----	533.0 -----	639.2 ----	572.0 ----	671.3 -----
SY Silverbull	519.2 -	455.6 ---	556.1 --	474.8 -	590.1 ---
KXB9014	595.7 ----	492.9 ----	662.8 -----	591.0 ----	636.3 ----
KXC0111	609.3 ----	523.6 -----	657.1 ----	604.2 ----	652.1 ----
KXC0112	582.7 ----	558.8 -----	607.0 ----	552.6 ----	612.4 ----
KXC0121	585.7 ----	494.5 ----	680.2 -----	549.5 ----	618.5 ----
KXC0312	625.4 -----	527.6 -----	651.6 ----	683.9 -----	638.4 ----
ES Blackjack	649.1 -----	535.0 -----	693.5 -----	606.7 ----	761.2 -----
EV3293	583.4 ----	526.1 -----	602.0 ---	611.9 ----	593.7 ---
Primino	609.2 ----	538.8 -----	676.7 -----	537.5 ---	683.8 -----
KWS Odorico	557.5 ---	505.9 ----	649.7 ----	510.0 --	564.2 --
SY Amboss	580.4 ----	448.0 --	616.6 ----	637.4 -----	619.7 ----
Kaprilias	557.8 ---	492.8 ----	603.4 ----	548.7 ----	586.5 ---
Amaroc	592.5 ----	478.8 ----	682.0 -----	588.5 ----	620.8 ----
-Bezugsgrösse(n)	575.0 ----	483.2 -----	589.6 ---	611.2 -----	616.1 ----
Versuchs-Mittel	586.5 ----	503.0 -----	631.8 ----	588.7 ----	622.5 ----
VK [%]	9.6	9.8	7.6	11.5	9.6
KGD (5%)	49.5	ns	97.9	ns	97.4
KGD (1%)	65.3	ns	132.2	ns	ns
Versuchs-Streuung	56.0	49.4	47.7	67.8	59.5
FG Fehlerterm	162.0	54.0	27.0	27.0	54.0
Anz. Beob.	10.0	3.0	2.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	364161.2	27	4.30 ***	1.56	0.0000
Anbauorte	723398.3	3	76.86 ***	2.66	0.0000
WW Verf.*Anb.Orte	287033.7	81	1.13 ns	1.36	0.2556
Fehler	508257.1	162			
Insgesamt	1882850.3	273			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8046 Reckenholz ZH	8193 Eglisau ZH
LG 31211	205.1 ---	184.4 -----	200.9 ---	226.8 -----	208.2 ---
Karibous	208.2 ----	177.0 -----	214.8 -----	237.0 -----	204.1 --
LG 31205	203.3 ---	159.2 -	190.0 -	244.8 -----	219.3 ----
LG 31219	205.3 ---	175.7 -----	214.6 -----	225.1 -----	205.9 --
LG 31207	201.7 --	169.4 ---	187.8 -	229.6 -----	220.1 ----
KWS Damario	209.6 ----	187.5 -----	217.7 -----	223.7 ----	209.4 ---
KWS Papageno	199.5 --	185.4 -----	198.6 ---	216.1 ----	198.0 -
DKC 3218	197.6 -	186.3 -----	193.8 --	195.5 -	215.0 ----
LG 31217	210.4 ----	191.4 -----	194.7 --	228.5 -----	227.1 -----
Emeleen	206.5 ----	177.6 -----	212.9 -----	208.6 ---	227.0 -----
LZM170/73	223.2 -----	185.2 -----	228.7 -----	250.7 -----	228.2 -----
SM K0592	218.4 -----	192.7 -----	219.1 -----	239.3 -----	222.5 -----
SM K0482	230.1 -----	196.6 -----	234.9 -----	254.9 -----	233.9 -----
SY Hummer	211.2 ----	172.5 ---	234.0 -----	213.4 ---	224.7 -----
SA0669	213.8 ----	188.0 -----	222.2 -----	214.3 ---	230.7 -----
SY Silverbull	196.3 -	181.6 -----	197.8 --	198.3 -	207.6 ---
KXB9014	223.2 -----	188.5 -----	242.5 -----	229.4 -----	232.4 -----
KXC0111	220.7 -----	188.9 -----	234.9 -----	226.4 -----	232.4 -----
KXC0112	210.4 ----	200.5 -----	207.1 ----	206.2 --	227.7 -----
KXC0121	214.6 ----	185.6 -----	242.3 -----	209.2 ---	221.2 -----
KXC0312	217.1 -----	192.6 -----	210.8 ----	246.3 -----	218.8 ----
ES Blackjack	219.8 -----	191.2 -----	223.5 -----	221.6 ----	243.1 -----
EV3293	212.1 ----	190.4 -----	211.6 ----	230.0 -----	216.5 ----
Primino	212.7 ----	187.4 -----	226.6 -----	205.1 --	231.6 -----
KWS Odorico	202.1 --	174.5 ----	220.7 -----	202.2 --	211.1 ---
SY Amboss	212.6 ----	178.8 -----	210.4 -----	244.7 -----	216.3 ----
Kaprilias	201.8 --	186.1 -----	206.0 ----	201.6 --	213.3 ----
Amaroc	212.0 ----	178.3 -----	237.7 -----	216.8 ----	215.2 ----
-Bezugsgrösse(n)	206.5 ----	173.4 ----	203.8 ----	234.2 -----	214.4 ----
Versuchs-Mittel	210.7 ----	184.1 -----	215.6 -----	223.1 ----	220.0 ----
VK [%]	7.5	7.5	8.6	10.0	5.5
KGD (5%)	14.0	ns	ns	ns	19.7
KGD (1%)	18.5	ns	ns	ns	26.2
Versuchs-Streuung	15.9	13.7	18.5	22.4	12.0
FG Fehlerterm	162.0	54.0	27.0	27.0	54.0
Anz. Beob.	10.0	3.0	2.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	18863.0	27	2.78 ***	1.56	0.0004
Anbauorte	68208.3	3	90.41 ***	2.66	0.0000
WW Verf.*Anb.Orte	29854.0	81	1.47 *	1.36	0.0207
Fehler	40740.6	162			
Insgesamt	157665.9	273			

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

Verfahren	3065 * <i>Habstetten BE</i>
LG 31211	154.4
Karibous	153.2
LG 31205	144.1
LG 31219	152.4
LG 31207	137.7
KWS Damario	148.0
KWS Papageno	150.4
DKC 3218	152.3
LG 31217	153.1
Emeleen	154.7
LZM170/73	152.2
SM K0592	166.6
SM K0482	160.3
SY Hummer	151.3
SA0669	152.7
SY Silverbull	147.7
KXB9014	145.3
KXC0111	135.2
KXC0112	142.4
KXC0121	137.3
KXC0312	155.5
ES Blackjack	152.7
EV3293	155.3
Primino	136.9
KWS Odorico	156.6
SY Amboss	164.2
Kaprilias	160.9
Amaroc	171.9
-Bezugsgrösse(n)	148.6
Versuchs-Mittel	151.6
VK [%]	6.3
KGD (5%)	15.6
KGD (1%)	20.8
Versuchs-Streuung	9.6
FG Fehlerterm	54.0
Anz. Beob.	3.0

* Nicht in Auswertung berücksichtigt / pas pris en compte pour les mises en valeur.

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	35.7 -----	35.8 ---	33.7 -----	31.7 -----	39.6 -----
Karibous	35.0 -----	36.7 ----	33.4 -----	30.7 ----	39.7 -----
LG 31205	35.8 -----	37.3 -----	35.3 -----	31.8 -----	39.2 -----
LG 31219	34.2 ---	36.4 ----	32.7 ---	30.0 ---	37.1 ---
LG 31207	35.7 -----	39.6 -----	33.1 ----	31.0 ----	37.1 ----
KWS Damario	34.4 ----	35.4 --	33.9 -----	30.7 ----	37.4 ----
KWS Papageno	36.6 -----	37.5 ----	36.5 -----	32.1 -----	39.9 -----
DKC 3218	36.7 -----	37.4 ----	35.1 -----	33.0 -----	38.7 ----
LG 31217	34.6 ----	37.7 -----	33.1 ----	31.2 ----	37.3 ---
Emeleen	36.4 -----	37.7 -----	36.5 -----	32.5 -----	38.7 -----
LZM170/73	36.5 -----	39.6 -----	35.0 -----	32.1 -----	39.0 -----
SM K0592	32.6 -	35.1 --	30.2 -	28.4 -	34.6 -
SM K0482	33.6 ---	35.4 --	31.4 --	30.1 ---	36.2 ---
SY Hummer	34.1 ---	34.4 -	34.6 -----	30.4 ---	38.4 ----
SA0669	34.8 ----	35.3 --	34.7 -----	32.0 -----	37.6 ----
SY Silverbull	37.3 -----	40.7 -----	35.6 -----	33.3 -----	41.7 -----
KXB9014	36.4 -----	39.3 -----	36.7 -----	30.4 ----	38.9 -----
KXC0111	35.6 -----	36.4 ----	35.7 -----	32.5 -----	37.6 ----
KXC0112	35.7 -----	36.3 ----	34.2 -----	33.0 -----	37.8 ----
KXC0121	36.3 -----	37.9 -----	35.6 -----	33.7 -----	38.4 ----
KXC0312	34.2 ----	37.4 ----	32.3 ----	30.6 ----	36.0 ---
ES Blackjack	33.2 --	35.8 ---	32.2 ----	29.1 --	36.6 ---
EV3293	35.3 -----	36.4 ----	35.0 -----	30.8 ----	37.6 ----
Primino	34.1 ---	34.9 -	33.5 -----	29.9 ---	38.2 ----
KWS Odorico	35.4 -----	34.6 -	34.0 -----	31.2 -----	39.6 -----
SY Amboss	35.8 -----	39.9 -----	34.1 -----	31.6 -----	38.4 ----
Kaprilias	35.4 -----	38.5 -----	34.1 -----	31.3 -----	36.9 ----
Amaroc	34.9 -----	37.5 ----	34.9 -----	30.5 ----	36.8 ----
-Bezugsgrösse(n)	35.1 -----	36.4 ----	34.6 -----	31.2 -----	38.3 -----
Versuchs-Mittel	35.2 -----	37.0 ----	34.2 -----	31.3 -----	38.0 ----
VK [%]	5.2	6.7	3.9	3.1	3.9
KGD (5%)	1.4	ns	2.7	1.6	3.0
KGD (1%)	1.9	ns	3.7	2.1	ns
Versuchs-Streuung	1.8	2.5	1.3	1.0	1.5
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	456.5	27	5.04 ***	1.54	0.0000
Anbauorte	2046.4	4	152.36 ***	2.42	0.0000
WW Verf.*Anb.Orte	360.6	108	0.99 ns	1.31	
Fehler	725.3	216			
Insgesamt	3588.9	355			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8193 Eglisau ZH	
LG 31211	37.9	-----
Karibous	34.6	----
LG 31205	35.3	----
LG 31219	35.0	----
LG 31207	37.8	-----
KWS Damario	34.5	----
KWS Papageno	37.1	-----
DKC 3218	39.1	-----
LG 31217	33.7	---
Emeleen	36.5	-----
LZM170/73	36.9	-----
SM K0592	34.8	----
SM K0482	34.8	----
SY Hummer	32.6	-
SA0669	34.5	----
SY Silverbull	35.3	----
KXB9014	36.6	-----
KXC0111	35.9	-----
KXC0112	37.4	-----
KXC0121	35.9	-----
KXC0312	34.6	----
ES Blackjack	32.0	-
EV3293	36.5	-----
Primino	34.0	---
KWS Odorico	37.5	-----
SY Amboss	34.9	----
Kaprilias	36.5	-----
Amaroc	35.0	----
-Bezugsgrösse(n)	34.9	-----
Versuchs-Mittel	35.6	-----
VK [%]	5.9	
KGD (5%)	3.4	
KGD (1%)	ns	
Versuchs-Streuung	2.1	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8046 Reckenholz ZH	8193 Eglisau ZH
LG 31211	140.9 ----	128.7 -----	137.7 --	158.2 -----	138.9 ---
Karibous	144.2 -----	122.5 ----	147.2 ----	166.4 -----	140.6 ---
LG 31205	141.0 ----	111.2 -	131.7 -	173.5 -----	147.6 -----
LG 31219	142.0 ----	121.9 ----	152.8 -----	156.6 ----	136.8 --
LG 31207	138.3 ---	111.5 -	137.0 --	157.5 ----	147.4 -----
KWS Damario	145.3 -----	128.3 -----	150.8 ----	160.3 -----	141.9 ---
KWS Papageno	137.2 ---	128.6 -----	141.0 ---	145.0 ---	134.0 -
DKC 3218	132.7 -	122.3 ----	132.7 -	134.5 -	141.3 ----
LG 31217	143.1 ----	129.1 -----	134.4 -	154.1 ----	154.9 -----
Emeleen	141.5 ----	120.9 ----	148.2 -----	145.1 ---	151.5 -----
LZM170/73	149.0 -----	122.2 ----	153.4 -----	172.2 -----	148.2 ----
SM K0592	147.8 -----	128.7 -----	150.7 ----	167.5 -----	144.4 ----
SM K0482	153.8 -----	130.1 -----	159.2 -----	168.5 -----	157.3 -----
SY Hummer	145.0 ----	113.9 --	165.2 -----	151.1 ----	149.9 ----
SA0669	143.4 ----	124.5 ----	150.1 ----	146.8 ---	152.3 -----
SY Silverbull	135.8 --	124.5 ----	139.2 ---	140.1 --	139.3 ---
KXB9014	148.4 -----	122.1 ----	163.5 -----	157.9 ----	149.9 ----
KXC0111	151.7 -----	125.9 ----	163.0 -----	162.4 ----	155.7 -----
KXC0112	145.2 ----	136.7 -----	145.2 ----	146.5 ---	152.4 ----
KXC0121	145.1 ----	125.1 ----	164.9 -----	147.5 ---	142.9 ----
KXC0312	147.7 -----	129.1 -----	143.1 ----	172.3 -----	146.4 ----
ES Blackjack	149.0 -----	127.7 -----	156.9 -----	152.8 ----	158.8 -----
EV3293	142.7 ----	124.0 ----	148.2 ----	154.5 ----	144.1 ----
Primino	143.1 ----	120.4 ----	152.9 ----	146.3 ----	152.8 ----
KWS Odorico	139.8 ----	120.0 ----	151.9 ----	145.9 ---	141.4 ----
SY Amboss	141.2 ----	112.4 -	139.4 ---	172.1 -----	140.8 ---
Kaprilias	137.1 ---	121.5 ----	142.8 ----	140.5 --	143.7 ----
Amaroc	146.4 -----	117.1 ---	165.3 -----	158.4 ----	144.9 ----
-Bezugsgrösse(n)	143.2 -----	119.7 ----	141.2 ---	166.9 -----	144.8 -----
Versuchs-Mittel	143.5 -----	123.2 ----	148.9 -----	155.5 ----	146.4 ----
VK [%]	8.1	8.7	8.6	10.0	6.5
KGD (5%)	10.3	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	11.7	10.7	12.8	15.5	9.5
FG Fehlerterm	162.0	54.0	27.0	27.0	54.0
Anz. Beob.	10.0	3.0	2.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6383.1	27	1.74 *	1.56	0.0193
Anbauorte	41470.5	3	101.63 ***	2.66	0.0000
WW Verf.*Anb.Orte	14041.6	81	1.27 ns	1.36	0.0977
Fehler	22034.2	162			
Insgesamt	83929.4	273			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8046 Reckenholz ZH	8193 Eglisau ZH
LG 31211	68.9 -----	57.0 -----	68.3 ---	80.5 -----	69.6 -
Karibous	73.0 -----	57.7 -----	75.8 -----	81.5 -----	77.1 ----
LG 31205	71.9 -----	55.9 -----	67.3 --	86.3 -----	78.2 ----
LG 31219	71.9 -----	57.6 -----	84.3 -----	73.6 -----	72.0 --
LG 31207	66.5 ----	50.6 ---	72.4 ----	68.2 ----	74.7 ---
KWS Damario	73.1 -----	62.3 -----	74.6 ----	78.5 -----	76.8 ----
KWS Papageno	70.0 -----	61.7 -----	69.5 ---	72.6 -----	76.0 ----
DKC 3218	59.6 -	46.6 -	63.2 -	56.6 -	72.0 --
LG 31217	71.5 -----	59.2 -----	65.9 --	73.5 -----	87.2 -----
Emeleen	70.3 -----	59.6 -----	77.2 -----	67.1 ----	77.1 ----
LZM170/73	72.7 -----	54.0 ----	76.5 -----	84.2 -----	75.8 ----
SM K0592	71.8 -----	62.2 -----	74.8 ----	76.4 -----	73.7 ---
SM K0482	77.3 -----	61.0 -----	82.4 -----	79.3 -----	86.7 -----
SY Hummer	72.7 -----	54.6 ---	87.0 -----	70.1 ----	79.2 ----
SA0669	69.8 -----	57.1 ----	76.6 -----	67.9 ----	77.5 ----
SY Silverbull	68.8 -----	63.5 -----	72.2 ----	67.2 ----	72.1 --
KXB9014	72.3 -----	55.8 ----	72.9 ----	80.7 -----	79.8 ----
KXC0111	74.5 -----	60.5 -----	82.2 -----	75.5 -----	79.6 ----
KXC0112	74.9 -----	67.3 -----	74.2 ----	77.9 -----	80.2 ----
KXC0121	74.0 -----	66.6 -----	84.2 -----	72.5 ----	72.5 --
KXC0312	72.6 -----	64.2 -----	66.8 --	82.8 -----	76.8 ----
ES Blackjack	74.5 -----	66.4 -----	82.8 -----	68.3 ----	80.4 ----
EV3293	67.1 ----	53.1 ----	73.5 ----	69.9 ----	72.0 --
Primino	70.9 -----	56.4 ----	76.8 ----	71.0 ----	79.3 ----
KWS Odorico	73.2 -----	60.2 -----	78.4 -----	77.1 -----	77.0 ----
SY Amboss	66.4 ----	49.0 --	63.5 -	81.2 -----	72.0 --
Kaprilias	69.1 -----	60.9 -----	71.8 ----	67.2 ----	76.7 ----
Amaroc	71.0 -----	51.1 ---	81.1 -----	75.7 -----	76.1 ----
-Bezugsgrösse(n)	72.5 -----	59.1 -----	71.0 ----	82.4 -----	77.5 ----
Versuchs-Mittel	71.1 -----	58.3 -----	74.9 -----	74.4 -----	76.7 ----
VK [%]	11.0	13.1	11.3	9.7	10.3
KGD (5%)	6.9	ns	ns	ns	ns
KGD (1%)	9.1	ns	ns	ns	ns
Versuchs-Streuung	7.8	7.6	8.5	7.2	7.9
FG Fehlerterm	162.0	54.0	27.0	27.0	54.0
Anz. Beob.	10.0	3.0	2.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3164.5	27	1.93 **	1.56	0.0068
Anbauorte	15439.5	3	84.66 ***	2.66	0.0000
WW Verf.*Anb.Orte	5715.9	81	1.16 ns	1.36	0.2116
Fehler	9847.6	162			
Insgesamt	34167.5	273			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	685.7 -----	697.7 -----	685.5 ----	682.7 -----	697.5 -----
Karibous	686.3 -----	692.0 -----	686.0 ----	662.0 ---	703.0 -----
LG 31205	691.2 -----	697.7 -----	694.5 ----	682.0 -----	709.0 -----
LG 31219	690.2 -----	692.7 -----	712.0 -----	684.7 -----	696.5 ----
LG 31207	683.9 -----	656.7 ----	730.0 -----	678.3 -----	685.0 ----
KWS Damario	688.3 -----	683.0 -----	692.5 ----	672.0 ----	716.5 -----
KWS Papageno	686.6 -----	694.0 -----	710.5 -----	683.0 -----	669.0 --
DKC 3218	674.8 ----	655.0 ----	684.5 ----	687.7 -----	689.5 ----
LG 31217	679.6 ----	674.7 -----	690.5 ----	676.0 ----	675.0 ---
Emeleen	689.9 -----	680.7 -----	697.0 -----	707.7 -----	696.5 -----
LZM170/73	665.0 --	659.7 ----	670.5 --	658.3 --	687.0 ----
SM K0592	674.1 ----	667.7 -----	688.5 ----	665.7 ----	700.0 -----
SM K0482	665.0 --	662.0 ----	677.0 ---	652.7 -	661.0 -
SY Hummer	687.7 -----	659.3 ----	705.0 -----	698.7 -----	708.0 -----
SA0669	673.4 ----	661.7 ----	675.5 ---	685.3 -----	685.0 ----
SY Silverbull	692.3 -----	684.0 -----	704.0 -----	696.7 -----	706.0 -----
KXB9014	664.0 --	647.3 ---	675.0 ---	666.7 ----	687.0 ----
KXC0111	681.6 -----	665.0 -----	694.5 -----	660.0 ---	719.0 -----
KXC0112	686.2 -----	680.0 -----	701.5 -----	670.3 ----	710.0 -----
KXC0121	671.1 ----	673.3 -----	679.5 ---	653.0 -	703.5 -----
KXC0312	681.0 -----	670.3 -----	680.0 ---	686.0 -----	699.5 -----
ES Blackjack	676.4 ----	667.0 -----	702.0 -----	670.7 ----	689.5 -----
EV3293	669.3 ---	651.7 ----	701.5 -----	656.0 --	671.5 --
Primino	667.6 ---	642.7 ---	674.5 --	648.3 -	713.0 -----
KWS Odorico	693.2 -----	689.7 -----	687.5 ----	697.3 -----	722.0 -----
SY Amboss	661.0 -	628.0 -	662.0 -	660.7 ---	703.5 -----
Kaprilias	680.4 -----	652.3 ----	693.5 -----	685.3 -----	697.5 -----
Amaroc	688.7 -----	656.7 ----	695.5 -----	687.7 -----	730.5 -----
-Bezugsgrösse(n)	689.8 -----	690.3 -----	693.5 ----	677.0 -----	712.8 -----
Versuchs-Mittel	679.8 -----	669.4 -----	691.1 ----	675.5 -----	697.5 -----
VK [%]	2.5	3.0	2.4	2.4	2.0
KGD (5%)	13.0	32.9	ns	26.1	28.0
KGD (1%)	17.2	43.8	ns	34.7	37.8
Versuchs-Streuung	16.8	20.1	16.5	15.9	13.7
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33297.9	27	4.35 ***	1.54	0.0000
Anbauorte	56302.1	4	49.61 ***	2.42	0.0000
WW Verf.*Anb.Orte	49250.1	108	1.61 ns	1.31	
Fehler	61279.6	216			
Insgesamt	200129.7	355			

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

Verfahren	8193	
	Eglisau ZH	
LG 31211	665.3	----
Karibous	688.7	-----
LG 31205	673.0	-----
LG 31219	665.0	----
LG 31207	669.7	----
KWS Damario	677.7	-----
KWS Papageno	676.7	-----
DKC 3218	657.3	----
LG 31217	681.7	-----
Emeleen	667.7	-----
LZM170/73	649.7	--
SM K0592	648.7	--
SM K0482	672.3	-----
SY Hummer	667.3	-----
SA0669	659.7	----
SY Silverbull	670.7	-----
KXB9014	644.0	-
KXC0111	669.3	-----
KXC0112	669.3	-----
KXC0121	646.0	-
KXC0312	669.0	-----
ES Blackjack	653.0	---
EV3293	666.0	-----
Primino	659.7	----
KWS Odorico	669.3	-----
SY Amboss	650.7	--
Kaprilias	673.3	-----
Amaroc	673.3	-----
-Bezugsgrösse(n)	675.3	-----
Versuchs-Mittel	665.5	----
VK [%]	2.4	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	15.7	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	334.8	308.3	340.0	338.7	355.0
Karibous	341.8	326.3	353.5	307.3	345.0
LG 31205	349.5	349.3	355.5	334.0	352.5
LG 31219	347.2	326.7	393.0	338.0	328.0
LG 31207	324.9	298.0	386.5	302.7	297.5
KWS Damario	344.1	330.7	342.5	329.7	351.0
KWS Papageno	352.0	333.0	350.0	359.7	333.0
DKC 3218	305.8	248.3	325.5	327.7	291.5
LG 31217	332.2	309.0	338.0	308.3	322.5
Emeleen	342.7	336.3	363.0	353.3	321.0
LZM170/73	323.9	291.7	334.5	324.0	336.5
SM K0592	325.5	322.0	341.0	313.7	320.0
SM K0482	328.9	312.3	350.5	300.0	311.0
SY Hummer	341.4	316.3	369.0	341.0	328.5
SA0669	326.0	304.0	344.0	328.0	318.5
SY Silverbull	346.7	347.7	365.5	336.0	337.5
KXB9014	315.6	297.0	301.5	286.0	351.0
KXC0111	322.9	319.7	350.0	267.3	335.5
KXC0112	340.3	335.0	359.0	277.7	377.5
KXC0121	333.5	358.3	346.0	289.3	346.5
KXC0312	330.1	333.0	318.0	312.0	336.0
ES Blackjack	338.1	345.0	370.5	336.7	308.0
EV3293	306.3	279.3	347.0	268.3	304.0
Primino	326.7	301.3	339.0	304.7	346.0
KWS Odorico	358.7	347.7	354.5	345.3	382.0
SY Amboss	306.7	274.0	301.5	293.7	332.0
Kaprilias	337.3	327.0	346.5	319.7	334.0
Amaroc	327.8	287.0	341.5	307.3	349.0
-Bezugsgrösse(n)	346.8	340.0	349.0	331.8	351.8
Versuchs-Mittel	332.5	316.6	347.4	316.1	333.9
VK [%]	7.4	8.7	6.0	7.0	5.3
KGD (5%)	18.9	45.1	42.9	36.2	36.3
KGD (1%)	24.9	60.0	ns	48.2	49.0
Versuchs-Streuung	24.4	27.5	20.9	22.1	17.7
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	65605.1	27	4.07 ***	1.54	0.0000
Anbauorte	73585.7	4	30.79 ***	2.42	0.0000
WW Verf.*Anb.Orte	105014.5	108	1.63 ns	1.31	
Fehler	129068.0	216			
Insgesamt	373273.3	355			

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

Verfahren	8193	
	Eglisau ZH	
LG 31211	332.0	-
Karibous	377.0	-----
LG 31205	356.3	-----
LG 31219	350.3	----
LG 31207	339.7	---
KWS Damario	366.7	-----
KWS Papageno	384.3	-----
DKC 3218	336.0	--
LG 31217	383.0	-----
Emeleen	339.7	---
LZM170/73	332.7	--
SM K0592	331.0	-
SM K0482	370.7	-----
SY Hummer	352.3	-----
SA0669	335.3	--
SY Silverbull	347.0	----
KXB9014	342.3	---
KXC0111	342.0	---
KXC0112	352.3	-----
KXC0121	327.3	-
KXC0312	351.7	-----
ES Blackjack	330.3	-
EV3293	332.7	--
Primino	342.3	---
KWS Odorico	364.0	-----
SY Amboss	332.3	-
Kaprilias	359.3	-----
Amaroc	354.0	----
-Bezugsgrösse(n)	361.5	-----
Versuchs-Mittel	348.7	----
VK [%]	7.9	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	27.7	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	172.2 ----	188.3 ----	170.5 -----	166.0 ---	156.0 ---
Karibous	174.4 ----	188.0 ----	173.0 -----	180.3 -----	163.5 ----
LG 31205	170.2 ---	183.3 ---	166.0 -----	163.7 ---	160.5 ----
LG 31219	171.7 ---	188.3 ----	150.5 -	170.7 ---	169.0 ----
LG 31207	175.7 ----	199.3 -----	152.0 -	175.3 -----	174.5 -----
KWS Damario	170.0 ---	186.7 ---	170.0 -----	164.7 ---	152.5 --
KWS Papageno	165.3 -	179.3 --	160.0 ---	158.3 -	165.0 ----
DKC 3218	182.4 -----	212.0 -----	171.0 -----	168.7 ----	176.5 -----
LG 31217	177.9 -----	200.7 -----	172.5 -----	173.3 ----	174.0 -----
Emeleen	168.1 --	181.0 --	158.0 ---	155.7 -	167.0 ----
LZM170/73	179.7 -----	201.0 -----	173.0 -----	177.7 -----	165.0 ----
SM K0592	184.3 -----	196.7 -----	180.0 -----	186.3 -----	172.5 -----
SM K0482	183.9 -----	194.7 -----	176.0 -----	189.3 -----	185.0 -----
SY Hummer	168.9 --	190.7 ----	162.0 ---	158.3 -	160.0 ---
SA0669	176.7 ----	196.7 ----	172.0 ----	165.3 ---	174.0 -----
SY Silverbull	165.1 -	175.7 -	158.0 ---	162.3 --	161.0 ----
KXB9014	182.0 -----	199.7 -----	187.0 -----	187.0 -----	161.5 ----
KXC0111	177.9 ----	193.3 ----	167.0 ----	189.3 -----	163.0 ----
KXC0112	168.4 --	185.3 ---	163.5 ----	182.3 -----	148.5 -
KXC0121	180.9 -----	182.3 --	174.5 -----	195.3 -----	166.5 ----
KXC0312	172.9 ----	183.7 ---	178.5 -----	172.7 ----	163.5 ----
ES Blackjack	177.8 ----	185.0 ---	160.5 ---	176.7 ----	181.5 -----
EV3293	183.9 -----	208.0 -----	166.5 ----	194.7 -----	178.0 ----
Primino	180.5 -----	196.7 ----	175.5 -----	191.3 -----	161.5 ---
KWS Odorico	168.1 --	181.0 --	171.0 ----	172.0 ----	151.0 -
SY Amboss	189.5 -----	213.7 -----	187.5 -----	191.7 -----	170.5 ----
Kaprilias	172.4 ----	195.0 ----	167.5 ----	174.0 ----	163.0 ----
Amaroc	178.6 ----	211.0 -----	169.5 ----	180.3 -----	158.0 ---
-Bezugsgrösse(n)	170.1 ---	185.0 ---	168.0 -----	164.2 ---	156.5 ---
Versuchs-Mittel	175.7 ----	192.8 ----	169.0 ----	175.8 -----	165.8 ----
VK [%]	5.9	5.4	6.2	5.6	4.5
KGD (5%)	8.0	16.9	ns	16.2	15.2
KGD (1%)	10.6	22.5	ns	21.5	20.5
Versuchs-Streuung	10.4	10.3	10.5	9.9	7.4
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14572.3	27	5.02 ***	1.54	0.0000
Anbauorte	31560.9	4	73.35 ***	2.42	0.0000
WW Verf.*Anb.Orte	17597.0	108	1.51 ns	1.31	
Fehler	23236.3	216			
Insgesamt	86966.5	355			

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

Verfahren	8193	
	Eglisau ZH	
LG 31211	180.3	-----
Karibous	167.0	---
LG 31205	177.7	-----
LG 31219	180.0	-----
LG 31207	177.3	-----
KWS Damario	176.0	-----
KWS Papageno	164.0	-
DKC 3218	184.0	-----
LG 31217	169.0	---
Emeleen	178.7	-----
LZM170/73	182.0	-----
SM K0592	186.0	-----
SM K0482	174.3	-----
SY Hummer	173.3	-----
SA0669	175.3	-----
SY Silverbull	168.3	---
KXB9014	175.0	-----
KXC0111	177.0	-----
KXC0112	162.3	-
KXC0121	185.7	-----
KXC0312	166.3	--
ES Blackjack	185.3	-----
EV3293	172.3	-----
Primino	177.7	-----
KWS Odorico	165.3	--
SY Amboss	184.0	-----
Kaprilias	162.3	-
Amaroc	174.0	-----
-Bezugsgrösse(n)	176.8	-----
Versuchs-Mittel	175.0	-----
VK [%]	6.8	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	12.0	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	387.4 ----	411.0 ----	385.5 -----	368.3 ---	353.0 ----
Karibous	388.2 ----	410.7 ---	382.0 -----	389.7 -----	368.5 -----
LG 31205	375.0 --	401.3 --	367.5 -----	351.7 -	355.0 ----
LG 31219	381.3 ---	411.3 ----	334.5 -	364.7 ---	383.0 -----
LG 31207	386.9 ----	429.3 -----	343.0 --	376.3 ---	385.5 -----
KWS Damario	377.9 --	409.3 ---	370.0 -----	362.3 ---	353.0 ----
KWS Papageno	369.5 -	401.3 --	356.5 ---	347.0 -	370.5 -----
DKC 3218	408.0 -----	462.7 -----	384.0 -----	373.7 ----	400.5 -----
LG 31217	395.5 -----	434.3 -----	387.5 -----	379.7 ----	392.0 -----
Emeleen	381.2 ---	397.0 --	366.5 ----	346.3 -	386.0 -----
LZM170/73	399.2 -----	443.0 -----	387.0 -----	387.7 -----	366.5 -----
SM K0592	399.4 -----	421.7 ----	382.0 -----	395.0 -----	377.5 -----
SM K0482	403.8 -----	429.7 ----	377.0 -----	407.0 -----	402.0 -----
SY Hummer	380.2 --	419.0 ----	364.5 ---	349.0 -	366.0 ----
SA0669	394.4 ----	429.3 -----	387.5 -----	370.7 ---	378.5 -----
SY Silverbull	373.2 -	388.3 -	355.0 ---	362.7 ---	364.5 ----
KXB9014	402.9 -----	435.3 -----	406.0 -----	400.0 -----	360.0 ----
KXC0111	394.1 ----	414.3 ----	374.5 ----	410.0 -----	361.5 ----
KXC0112	369.4 -	401.0 --	355.5 ---	386.0 ----	328.0 -
KXC0121	397.4 ----	392.3 -	384.0 -----	415.0 -----	362.5 ----
KXC0312	386.2 ---	409.0 ---	393.0 -----	373.3 ----	361.0 ----
ES Blackjack	393.4 ----	404.3 ---	349.0 --	383.7 ----	405.0 -----
EV3293	408.0 -----	450.3 -----	374.0 ----	424.7 -----	393.0 -----
Primino	404.0 -----	427.3 ----	385.5 -----	419.3 -----	371.0 ----
KWS Odorico	372.9 -	388.3 -	375.5 ----	373.0 ----	331.5 -
SY Amboss	427.8 -----	466.0 -----	418.5 -----	428.7 -----	391.0 -----
Kaprilias	380.5 --	422.3 ----	359.5 ----	377.3 ----	361.5 ----
Amaroc	395.9 ----	453.3 -----	373.0 ----	396.0 -----	354.0 ----
-Bezugsgrösse(n)	376.5 --	405.3 ---	368.8 -----	357.0 --	354.0 ----
Versuchs-Mittel	390.5 ----	420.1 -----	374.2 -----	382.8 -----	370.8 -----
VK [%]	5.3	5.0	5.3	5.2	3.4
KGD (5%)	16.0	34.2	ns	32.9	25.7
KGD (1%)	21.1	45.6	ns	43.8	34.7
Versuchs-Streuung	20.7	20.9	19.7	20.1	12.5
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	66723.7	27	5.79 ***	1.54	0.0000
Anbauorte	130091.8	4	76.20 ***	2.42	0.0000
WW Verf.*Anb.Orte	71482.3	108	1.55 ns	1.31	
Fehler	92190.6	216			
Insgesamt	360488.4	355			

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

Verfahren	8193	
	Eglisau ZH	
LG 31211	419.3	-----
Karibous	390.0	---
LG 31205	399.7	-----
LG 31219	413.0	-----
LG 31207	400.3	-----
KWS Damario	395.0	----
KWS Papageno	372.3	-
DKC 3218	419.3	-----
LG 31217	384.0	--
Emeleen	410.3	-----
LZM170/73	412.0	-----
SM K0592	420.7	-----
SM K0482	403.3	-----
SY Hummer	402.7	----
SA0669	406.0	-----
SY Silverbull	395.3	----
KXB9014	413.3	-----
KXC0111	410.0	-----
KXC0112	376.3	-
KXC0121	433.0	-----
KXC0312	394.7	----
ES Blackjack	425.0	-----
EV3293	398.0	-----
Primino	417.0	-----
KWS Odorico	396.0	----
SY Amboss	435.0	-----
Kaprilias	381.7	--
Amaroc	403.3	-----
-Bezugsgrösse(n)	397.3	-----
Versuchs-Mittel	404.5	-----
VK [%]	6.0	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	24.4	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	60.2 -----	64.0 -----	57.0 -----	55.7 -----	64.5 -----
Karibous	59.1 -----	62.7 -----	60.5 -----	46.7 -	60.5 -----
LG 31205	59.4 -----	60.7 -----	55.5 -----	52.7 -----	62.5 -----
LG 31219	59.8 -----	62.0 -----	56.5 -----	55.0 -----	61.5 -----
LG 31207	55.8 --	55.3 --	54.5 -----	50.7 ----	60.0 ----
KWS Damario	58.0 ----	60.7 -----	55.0 ----	46.0 -	61.5 -----
KWS Papageno	56.0 --	57.7 ----	50.0 -	49.7 ----	59.5 ----
DKC 3218	56.4 ---	57.3 ----	53.0 ---	50.7 ----	58.0 ---
LG 31217	56.8 ---	58.7 -----	51.5 --	47.0 -	61.0 ----
Emeleen	57.2 ----	62.0 -----	55.0 ----	52.0 -----	55.0 -
LZM170/73	57.2 ----	59.7 -----	56.5 -----	49.3 ---	62.0 -----
SM K0592	58.7 ----	57.7 ----	60.0 -----	56.7 -----	63.0 -----
SM K0482	60.6 -----	59.3 ----	60.0 -----	54.7 -----	64.0 -----
SY Hummer	58.8 ----	62.3 -----	54.5 ----	52.0 -----	60.5 -----
SA0669	57.8 ----	59.7 -----	57.0 -----	52.7 -----	58.5 ----
SY Silverbull	58.2 ----	56.7 ----	59.5 -----	50.0 ----	60.5 ----
KXB9014	55.2 -	53.3 -	50.5 -	56.3 -----	59.0 ----
KXC0111	55.2 -	56.3 ---	50.5 -	49.3 ---	60.0 ----
KXC0112	55.3 -	59.3 -----	53.5 ----	48.0 --	59.0 ----
KXC0121	54.8 -	59.0 -----	52.5 ---	46.7 -	58.5 ---
KXC0312	57.4 ----	55.7 ---	53.0 ---	53.7 -----	63.0 -----
ES Blackjack	60.0 -----	60.0 -----	55.5 -----	58.0 -----	62.0 -----
EV3293	59.1 -----	59.0 -----	57.5 -----	55.0 -----	62.5 -----
Primino	63.0 -----	62.7 -----	58.5 -----	57.7 -----	68.0 -----
KWS Odorico	59.5 -----	63.7 -----	55.5 -----	56.7 -----	65.5 -----
SY Amboss	59.1 -----	54.3 --	56.0 -----	56.3 -----	65.5 -----
Kaprilias	57.3 ----	57.3 ----	52.5 ---	55.3 -----	61.5 -----
Amaroc	57.7 ----	56.7 ----	53.0 ---	56.0 -----	64.5 -----
-Bezugsgrösse(n)	58.7 ----	60.7 -----	55.3 -----	49.3 ---	62.0 -----
Versuchs-Mittel	58.0 ----	59.1 -----	55.2 -----	52.5 -----	61.5 -----
VK [%]	7.1	7.4	6.3	7.2	6.6
KGD (5%)	3.2	ns	ns	6.2	ns
KGD (1%)	4.2	ns	ns	8.2	ns
Versuchs-Streuung	4.1	4.4	3.5	3.8	4.1
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1310.5	27	2.83 ***	1.54	0.0003
Anbauorte	4748.3	4	69.10 ***	2.42	0.0000
WW Verf.*Anb.Orte	2196.2	108	1.18 ns	1.31	
Fehler	3710.5	216			
Insgesamt	11965.4	355			

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

Verfahren	8193	
	Eglisau ZH	
LG 31211	60.0	----
Karibous	65.3	-----
LG 31205	65.7	-----
LG 31219	64.0	-----
LG 31207	58.7	---
KWS Damario	66.7	-----
KWS Papageno	63.3	-----
DKC 3218	63.0	-----
LG 31217	65.7	-----
Emeleen	62.0	-----
LZM170/73	58.7	---
SM K0592	56.3	-
SM K0482	65.0	-----
SY Hummer	64.7	-----
SA0669	61.0	-----
SY Silverbull	64.3	-----
KXB9014	57.0	-
KXC0111	59.7	---
KXC0112	56.7	-
KXC0121	57.3	-
KXC0312	61.7	-----
ES Blackjack	64.3	-----
EV3293	61.3	-----
Primino	68.0	-----
KWS Odorico	56.3	-
SY Amboss	63.3	-----
Kaprilias	59.7	---
Amaroc	58.3	--
-Bezugsgrösse(n)	66.2	-----
Versuchs-Mittel	61.7	-----
VK [%]	7.5	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	4.6	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	6.2 -----	6.3 -----	6.2 ----	6.2 -----	6.3 -----
Karibous	6.2 -----	6.3 -----	6.2 ----	5.9 ---	6.4 -----
LG 31205	6.3 -----	6.3 -----	6.3 -----	6.1 -----	6.5 -----
LG 31219	6.2 -----	6.3 -----	6.5 -----	6.2 -----	6.3 -----
LG 31207	6.2 -----	5.9 ----	6.7 -----	6.1 -----	6.2 ----
KWS Damario	6.2 -----	6.1 -----	6.3 -----	6.0 ----	6.5 -----
KWS Papageno	6.2 -----	6.3 -----	6.5 -----	6.2 -----	6.0 --
DKC 3218	6.1 ----	5.9 ----	6.2 ----	6.2 -----	6.3 ----
LG 31217	6.1 ----	6.1 -----	6.2 ----	6.1 ----	6.1 --
Emeleen	6.2 -----	6.1 -----	6.3 -----	6.5 -----	6.4 -----
LZM170/73	6.0 --	5.9 ----	6.1 --	5.9 ---	6.2 ----
SM K0592	6.1 ----	6.0 ----	6.2 ----	6.0 ----	6.3 -----
SM K0482	6.0 --	6.0 ----	6.1 ---	5.8 --	5.9 -
SY Hummer	6.2 -----	5.9 ----	6.4 -----	6.4 -----	6.4 -----
SA0669	6.1 ----	6.0 ----	6.1 ---	6.2 -----	6.2 ----
SY Silverbull	6.3 -----	6.2 -----	6.4 -----	6.3 -----	6.5 -----
KXB9014	6.0 -	5.8 ---	6.1 --	6.0 ----	6.2 ----
KXC0111	6.1 ----	6.0 ----	6.3 ----	5.9 ---	6.6 -----
KXC0112	6.2 -----	6.1 -----	6.4 -----	6.0 ----	6.5 -----
KXC0121	6.0 ----	6.1 -----	6.1 ---	5.8 --	6.4 -----
KXC0312	6.1 ----	6.0 ----	6.2 ----	6.2 -----	6.4 -----
ES Blackjack	6.1 ----	6.0 ----	6.4 -----	6.0 ----	6.3 -----
EV3293	6.0 ---	5.8 ----	6.4 -----	5.8 --	6.1 --
Primino	6.0 ---	5.8 ---	6.1 --	5.8 -	6.5 -----
KWS Odorico	6.3 -----	6.3 -----	6.3 ----	6.3 -----	6.6 -----
SY Amboss	5.9 -	5.6 -	5.9 -	5.9 ---	6.4 -----
Kaprilias	6.1 -----	5.8 ----	6.3 -----	6.2 -----	6.4 -----
Amaroc	6.2 -----	5.9 ----	6.3 -----	6.2 -----	6.7 -----
-Bezugsgrösse(n)	6.2 -----	6.2 -----	6.3 -----	6.1 -----	6.5 -----
Versuchs-Mittel	6.1 -----	6.0 -----	6.2 -----	6.1 -----	6.3 -----
VK [%]	3.0	3.6	2.9	2.9	2.4
KGD (5%)	0.1	0.4	ns	0.3	0.3
KGD (1%)	0.2	0.5	ns	0.4	0.4
Versuchs-Streuung	0.2	0.2	0.2	0.2	0.1
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	4.1	27	4.53	***	1.54	0.0000
Anbauorte	6.5	4	47.93	***	2.42	0.0000
WW Verf.*Anb.Orte	6.2	108	1.70	ns	1.31	
Fehler	7.3	216				
Insgesamt	24.1	355				

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

Verfahren	8193 Eglisau ZH	
LG 31211	6.0	----
Karibous	6.2	-----
LG 31205	6.1	-----
LG 31219	6.0	----
LG 31207	6.0	----
KWS Damario	6.1	-----
KWS Papageno	6.1	-----
DKC 3218	5.9	----
LG 31217	6.1	-----
Emeleen	6.0	-----
LZM170/73	5.8	--
SM K0592	5.8	--
SM K0482	6.0	-----
SY Hummer	6.0	-----
SA0669	5.9	----
SY Silverbull	6.0	-----
KXB9014	5.7	-
KXC0111	6.0	-----
KXC0112	6.0	-----
KXC0121	5.8	-
KXC0312	6.0	-----
ES Blackjack	5.8	---
EV3293	6.0	-----
Primino	5.9	----
KWS Odorico	6.0	-----
SY Amboss	5.8	--
Kaprilias	6.1	-----
Amaroc	6.1	-----
-Bezugsgrösse(n)	6.1	-----
Versuchs-Mittel	6.0	-----
VK [%]	2.8	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	0.2	
FG Fehlerterm	54.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
LG 31211	6.3 -----	6.5 -----	6.3 ----	6.3 -----	6.5 -----
Karibous	6.3 -----	6.4 -----	6.3 ----	6.0 ---	6.6 -----
LG 31205	6.4 -----	6.5 -----	6.5 -----	6.3 -----	6.7 -----
LG 31219	6.4 -----	6.4 -----	6.7 -----	6.3 -----	6.5 -----
LG 31207	6.3 -----	5.9 ----	7.0 -----	6.2 -----	6.3 ----
KWS Damario	6.3 -----	6.3 -----	6.4 ----	6.1 ----	6.8 -----
KWS Papageno	6.3 -----	6.4 -----	6.7 -----	6.3 -----	6.1 --
DKC 3218	6.1 ----	5.9 ----	6.3 ----	6.3 -----	6.4 ----
LG 31217	6.2 -----	6.2 -----	6.4 ----	6.2 -----	6.2 ---
Emeleen	6.4 -----	6.2 -----	6.5 -----	6.6 -----	6.5 -----
LZM170/73	6.0 -	5.9 ----	6.1 --	5.9 --	6.3 ----
SM K0592	6.1 ----	6.1 ----	6.4 ----	6.0 ----	6.5 -----
SM K0482	6.0 --	6.0 ----	6.2 ---	5.8 -	6.0 -
SY Hummer	6.3 -----	5.9 ----	6.6 -----	6.5 -----	6.6 -----
SA0669	6.1 ----	6.0 ----	6.2 ---	6.3 -----	6.3 ----
SY Silverbull	6.4 -----	6.3 -----	6.6 -----	6.4 -----	6.6 -----
KXB9014	6.0 -	5.8 ----	6.2 ---	6.0 ---	6.3 ----
KXC0111	6.2 -----	6.0 ----	6.4 ----	5.9 --	6.8 -----
KXC0112	6.3 -----	6.2 -----	6.5 -----	6.1 ----	6.7 -----
KXC0121	6.1 ----	6.1 -----	6.2 ---	5.9 -	6.6 -----
KXC0312	6.2 -----	6.1 -----	6.2 ---	6.3 -----	6.5 -----
ES Blackjack	6.2 -----	6.0 -----	6.5 -----	6.1 ----	6.4 ----
EV3293	6.1 ---	5.8 ----	6.5 -----	5.9 --	6.1 --
Primino	6.0 ---	5.7 ---	6.1 --	5.8 -	6.7 -----
KWS Odorico	6.4 -----	6.4 -----	6.3 ----	6.5 -----	6.9 -----
SY Amboss	6.0 -	5.5 -	6.0 -	6.0 ---	6.6 -----
Kaprilias	6.2 -----	5.8 ----	6.4 ----	6.3 -----	6.5 -----
Amaroc	6.3 -----	5.9 ----	6.4 ----	6.3 -----	7.0 -----
-Bezugsgrösse(n)	6.4 -----	6.4 -----	6.4 ----	6.2 -----	6.7 -----
Versuchs-Mittel	6.2 -----	6.1 -----	6.4 ----	6.2 -----	6.5 -----
VK [%]	3.9	4.8	3.7	3.7	3.1
KGD (5%)	0.2	0.5	ns	0.4	0.4
KGD (1%)	0.2	0.6	ns	0.5	0.6
Versuchs-Streuung	0.2	0.3	0.2	0.2	0.2
FG Fehlerterm	216.0	54.0	27.0	54.0	27.0
Anz. Beob.	13.0	3.0	2.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6.8	27	4.35 ***	1.54	0.0000
Anbauorte	10.9	4	47.24 ***	2.42	0.0000
WW Verf.*Anb.Orte	10.0	108	1.60 ns	1.31	
Fehler	12.5	216			
Insgesamt	40.2	355			

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

Verfahren	8193 Eglisau ZH	
LG 31211	6.0	----
Karibous	6.4	-----
LG 31205	6.1	-----
LG 31219	6.0	----
LG 31207	6.1	-----
KWS Damario	6.2	-----
KWS Papageno	6.2	-----
DKC 3218	5.9	----
LG 31217	6.2	-----
Emeleen	6.1	-----
LZM170/73	5.8	--
SM K0592	5.8	--
SM K0482	6.1	-----
SY Hummer	6.0	-----
SA0669	5.9	----
SY Silverbull	6.1	-----
KXB9014	5.7	-
KXC0111	6.1	-----
KXC0112	6.1	-----
KXC0121	5.7	-
KXC0312	6.1	-----
ES Blackjack	5.8	---
EV3293	6.0	-----
Primino	5.9	----
KWS Odorico	6.1	-----
SY Amboss	5.8	--
Kaprilias	6.1	-----
Amaroc	6.1	-----
-Bezugsgrösse(n)	6.2	-----
Versuchs-Mittel	6.0	-----
VK [%]	3.6	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	0.2	
FG Fehlerterm	54.0	
Anz. Beob.	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	2021	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.06.2021	23.09.2021
1567	Delley	479	01.06.2021	30.09.2021
1725	Grangeneuve (Posieux)	654	27.05.2021	11.10.2021
3065	Habstetten	690	28.05.2021	18.10.2021 *
5643	Alikon	494	10.05.2021	verhagelt > nicht geerntet / grêle > pas récolté †
8046	Reckenholz	440	28.04.2021	nicht geerntet / pas récolté †
8193	Eglisau	395	14.05.2021	28.09.2021
8566	Ellighausen	503	02.06.2021	08.10.2021

* Ertrags- und Qualitätsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement et à la qualité pas prises en compte pour les mises en valeur.

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

4.2.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
Benedictio KWS	KXB4138	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM11/S
SY Teliás	SC1153	SC	Syngenta, CH	Syngenta, Stein	KM11/T	SM11/S
Severeen	LZM265/52	SC	Limagrain / Europe	Fenaco, Moudon		SM11/S
Amaroc	KXB4136	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/S
LG 31237	LZM265/34	SC	Limagrain / Europe	Fenaco, Moudon		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
DKC 3204	ET3284	SC	Monsanto, USA	Monsanto, Morges		SM11/e2
SY Invictus	SA1228	SC	Syngenta, CH	Syngenta, Stein		SM11/e2
Micheleen	LZM168/67	SC	Limagrain, Europe	Fenaco, Moudon	KM11/e1	SM11/e2
ES Bond	ESZ6207	SC	Euralis Saaten GmbH	Fenaco, Moudon / Hauenstein, Rafz		SM11/e2
	LZM270/58	SC	Limagrain, Europe	Fenaco, Moudon	KM11/e1	SM11/e1
Clooney	LZM269/54	TC	Limagrain, Europe	Fenaco, Moudon	KM11/e1	SM11/e1
	X80R603	SC	Pioneer	Pioneer, Versoix		SM11/e1
P8255	X85P732	SC	Pioneer	Pioneer, Versoix		SM11/e1
Kimmich	ET3283	SC	DSV, D	Fenaco, Moudon		SM11/e1
	SB1409	SC	Syngenta, CH	Syngenta, Stein	KM11/e1	SM11/e1
SY Nomad	SA1578	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
	KXC0326	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e1
	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/1.	SM11/1.
	KXC1133	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/1.	SM11/1.
	KXC1305	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/1.
	KXC1315	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/1.
ES Traveler	ESZ9207	SC	Euralis Saaten GmbH	Fenaco, Moudon / Hauenstein, Rafz	KM11/e1	SM11/e1
DKC 3410	EU3401	SC	Monsanto, USA	Bayer CropScience		SM11/e1
Akanto	X85P736	SC	DSV, D	Fenaco, Moudon	KM11/e1	SM11/e1
SY Talisman	SA1002	SC	Syngenta, CH	Syngenta, Stein	KM11/S	SM11/T
LG 31259	LZM265/32	SC	Limagrain / Europe	Fenaco, Moudon		SM11/T
LG 31272	LZM 267/54	SC	Limagrain, Europe	Fenaco, Moudon	KM21/T	SM11/T
DKC 3601			Monsanto, USA	Bayer CropScience		FS

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

Technische Versuchsangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Delley (600 m ü.M.)	Grangeneuve (630 m ü.M.)	Habstetten (690 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Eilighausen (503 m ü.M.)		
Bodenart / type de sol / soil type:	Limono sableux	Moyen: 15-20 % argile, pH 7.2 491.4 mm (selon Agrometeo, station Delley) 419 mm (Station: Changins) 1435.6 °C (Station: Changins)	Moyen	Sandiger Lehm, pH 6.2	Braunerde	Parabraunerde - sandiger Lehm bis Lehm	Braunerde		
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):			604.2 mm (Meteostation Posieux) 1415.3 °C (Meteostation Posieux)	735.5 mm (Meteostation Ziswil) 1384.1 °C (Meteostation Ziswil)		576.4 mm (Meteostation Steinmaur) 1509.3 °C (Meteostation Steinmaur)	538.8 mm (Meteostation Eilighausen) 1404.8 °C (Meteostation Eilighausen)		
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengrösse / grandeur d'une parcelle / plot size:		Semé: 17 m ² per single plot (brut, avec chemin d'environ 1.1 m), 14.4 m ² net, 4 rangs Récolté: 6.5 m ² per single plot (brut, avec chemin), 7.2 m ² net, 2 rangs au milieu		4reihig, mit 1.4m Weg (22.4m ² brutto), 10 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		
Vorfrucht / précédent cultural / previous crop:	pois de printemps + engrais vert	Blé de printemps	Prairie / Kunstwiese / temporary grassland	orge	Kunstwiese / prairie temporaire / temporary grassland	Raps / Gründüngung Phacelia	Raps, Gründüngung		
Bodenbearbeitung / travail du sol / soil cultivation:	Labour 25.11.20 herse à disque 27.05.21 herse rotative 28.05.21	03.03.21: Labour; 01.06.21: Herse rotative	Pflug (14.05.21) und Kreiselegge (27.05.21) / charrue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	05.01.21 Pflug, 26.04.21 Kreiselegge	08.05.21 Pflügen, 13.05.21 Kreiselegge	Pflug, Kulturegge, Kreiselegge		
Saat / date de semis / sowing date:	04.06.2021	01.06.2021	27.05.2021	31.05.2021	28.04.2021	14.05.2021	02.06.2021		
Ernte / date de récolte / harvest date:	22.09.2021	30.09.2021	11.10.2021	18.10.2021	aufgegeben	28.09.2021	08.10.2021		
Saadichte / densité de semis / sowing density:	10.0 Körner / grains pro m ²	Semis: 11.9 grains pro m ² , éclairci à 10 plants/m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	11.0 Körner / grains pro m ²	11.0 Körner / grains pro m ²	11.0 Körner / grains pro m ²		
Vegetationsdauer / durée de végétation / growing period	110 Tage / jours / days	121 jours	137 Tage / jours / days	140 Tage / jours / days	aufgegeben	137 Tage / jours / days	128 Tage / jours / days		
Reihenabstand / interlignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm		

Standort / lieu / site:	Nyon (430 m ü.M.)	Delley (500 m ü.M.)	Grangeneuve (630 m ü.M.)	Habsbotten (690 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (603 m ü.M.)
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	15.06.21 hacken zwischen den Reihen gekoppelt mit Düngung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Roundup localisé 5,6l/ha (27.03.21); Gardo Gold 4 l/ha, Banvel 4S 0,5 l/ha, Elumis 1,3 l/ha (28.06.21)	11.06.21: Elumis (1,3 l/ha) + Gardo Gold (4 l/ha)	15.06.21 Equip Power 1,5 l/ha	14.06.21 Elumis 1 l/ha Spectrum 1,2 l/ha	31.05.21 Aspect 2/ha + Laudis 2/ha, 03.06.21 Aspect 2/ha + Laudis 2/ha	11.06.21 Spectrum Gold 3 l/ha + Laudis 1,5 l/ha	14.06.21 Laudis 2 l/ha + Banvel 4S 0,5 l/ha
Grunddüngung / fumure de base / basic fertilisation:	Jus de compost 36 m ³ /ha 33,7,131 (29.09.20); 27,4 kg/ha super triple (46%); 126 kg P2O5/ha (05.03.21)	15.02.21: Landor 0,20,30 (26,4 kg/ha - 0 kg/ha N, 50 kg/ha P2O5, 79 kg/ha K2O, 21 kg/ha Ca, 4 kg/ha S)		27.04.21: Kall 60 %: 200 kg/ha; Granuphos 17 %: 310 kg/ha = 53 kg P/ha, 120 kg K/ha		16.04.21 Stappelmist 35 m ³ /ha (160 kg N/ha)	Stapelmist 20t/ha (90 kg N/ha)
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacale (28.05.21): 222 kg N/ha = 60 kg N/ha; Urée perlée 46% (28.06.21): 130 kg N/ha = 60 kg N/ha	22.04.21 Sulfamid 30,0,0 (400 kg/ha: 120 kg/ha N, 0 kg/ha P2O5, 0 kg/ha K2O, 12 kg/ha Mg) 27.06.21: Urée 46,0,0 (155 kg/ha: 71 kg/ha N, 0 kg/ha P2O5, 0 kg/ha K2O)	04.06.21 156 kg/ha Nitrate sulfomagnésien (24 N, 5 mg, 7 S) 37,5 kg N/ha: 28,06.21 187 kg/ha Urée (46%) 86 kg N/ha	14.06.21: 40,5 kg N/ha (ammonitrate 27,5%); 21,06.21: 78 kg N/ha (Harnstoff 46%)	15.06.21 Mg-Ammonsalpeter 24%N + 5%Mg + 6%S 1,5dt/ha (36 kg N/ha)	13.05.21 Harnstoff 46% 3dt/ha (138 kg N/ha) vor dem Eggen	05.06.21 Ammonsalpeter 1,5dt/ha (40,5 kg N/ha), 22.06.21 Harnstoff 2dt/ha (92kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	95,9 kg N/ha (0-60 cm; Saat/semis/seeding)	-	142,4 kg N/ha (0-60 cm; Saat/semis/seeding)	27 kg N/ha (0-60 cm; Saat/semis/seeding)	134,4 kg N/ha (28.04.21)	137,2 kg N/ha (17.05.21)	141,6 kg N/ha (02.06.21)
Ernte / Récolte / harvest:	Baural Maishäcksel / ensileuse	Ensilage expérimentale	Baural Maishäcksel / ensileuse	Baural Maishäcksel / ensileuse	-	New Holland Versuchsmaishäcksel	New Holland Versuchsmaishäcksel

4.2.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend-entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängelbr. Ernte	Beulenbrand	Oekon. Index	Agron. Index	Gesamtindex
KXC1122	1.	3.78	-1.56	0.47	-0.07				0.04	2.22	0.44	2.66
KXC0326	e1	-2.57	4.41	0.46	0.07				-0.10	1.84	0.43	2.27
SY Talisman	T	1.04	1.21	-0.98	-0.08				-0.39	2.25	-1.45	0.80
Severeen	S	-0.51	1.19	-0.74	0.06				0.14	0.68	-0.54	0.14
Amaroc	S	0.51	-1.19	0.74	-0.06				-0.14	-0.68	0.54	-0.14
LG 31272	T	-3.21	5.72	-2.60	-0.08				-0.17	2.51	-2.85	-0.34
ES Traveler	e1	0.23	2.97	-3.37	-0.04				-0.32	3.20	-3.73	-0.53
KXC1315	1.	-3.02	3.27	-1.30	-0.03				0.21	0.25	-1.12	-0.87
KXC1305	1.	-1.43	-1.62	1.82	-0.07				0.26	-3.05	2.01	-1.04
Benedictio KWS	S	-1.80	0.50	-0.32	0.00				0.29	-1.30	-0.03	-1.33
LZM270/58	e1	-3.12	2.56	-1.05	0.04				0.04	-0.56	-0.97	-1.53
X80R603	e1	-2.68	2.32	-1.06	-0.10				-0.06	-0.36	-1.22	-1.58
DKC 3601	FS	-8.84	7.99	-0.57	-0.01				-0.19	-0.85	-0.77	-1.62
Micheleen	e2	-0.36	-0.23	-0.53	-0.13				-0.59	-0.59	-1.25	-1.84
SY Teilas	S	0.67	-1.70	-1.08	0.03				-0.13	-1.03	-1.18	-2.21
ES Bond	e2	-3.31	2.73	-2.17	0.00				-0.47	-0.58	-2.64	-3.22
LG 31245	S	-3.65	1.50	-0.93	-0.06				-0.11	-2.15	-1.10	-3.25
KWS Robertino	S	-1.54	-0.84	-1.38	-0.08				0.16	-2.38	-1.30	-3.68
DKC 3410	e1	-3.28	0.83	-1.50	-0.14				0.22	-2.45	-1.42	-3.87
SY Invictus	e2	-1.88	-0.36	-1.55	-0.19				-0.24	-2.24	-1.98	-4.22
Clooney	e1	-9.30	5.66	-1.44	-0.01				0.10	-3.64	-1.35	-4.99
SB1409	e1	-5.87	2.21	-1.74	-0.04				-0.40	-3.66	-2.18	-5.84
SY Nomad	e1	-2.52	-0.79	-2.99	-0.07				0.19	-3.31	-2.87	-6.18
P8255	e1	-0.13	4.42	-3.26	-0.04				0.09	-4.55	-3.21	-7.76
KXC1133	1.	-8.00	-0.47	0.99	0.00				-0.61	-8.47	0.38	-8.09
LG 31259	T	-7.34	-0.55	-0.56	-0.10				-0.36	-7.89	-1.02	-8.91
LG 31237	S	-2.27	-5.62	-0.59	0.07				-0.76	-7.89	-1.28	-9.17
Kimmich	e1	-4.48	-5.30	0.29	-0.24				0.07	-9.78	0.12	-9.66
DKC 3204	e2	-2.60	-8.93	0.39	-0.01				0.22	-11.53	0.60	-10.93
Akanto	e1	-2.74	-4.75	-4.79	-0.07				0.18	-7.49	-4.68	-12.17
Bezugsgrößen		0.00	0.00	0.00	0.00				0.00	0.00	0.00	0.00
Anz. Beob.		16	13	16	16				13			
Anz. Orte		6	5	6	6				5			
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 %	Green snapping %	Beulen- brand %	allg. Ein- druck Note
Benedictio KWS	4.5	64.4	65.2	273.1	107.8	39.6	0.0	0.2	3.3
SY Telias	4.4	64.8	64.8	241.8	100.3	41.5	0.0	2.2	3.3
Severeen	4.4	65.2	65.8	275.9	115.5	41.9	0.0	0.9	2.7
Amaroc	4.6	67.0	66.9	291.4	116.3	39.9	0.0	2.2	3.7
LG 31237	4.4	64.8	65.6	288.7	108.4	37.7	0.0	5.2	3.3
KWS Robertino	4.7	65.3	66.8	280.4	108.2	38.6	0.0	0.8	3.3
LG 31245	4.6	64.8	65.5	291.2	120.7	41.4	0.0	2.1	3.7
DKC 3204	4.5	64.8	65.2	263.4	92.9	35.3	0.0	0.5	4.3
SY Invictus	4.9	67.0	66.0	275.1	97.6	35.6	0.0	2.7	3.7
Micheleen	4.8	65.2	65.8	293.7	110.4	37.5	0.0	4.4	3.0
ES Bond	4.5	63.2	63.8	304.8	111.8	36.9	0.0	3.8	4.0
LZM270/58	4.4	63.7	63.9	281.9	105.4	37.6	0.0	1.4	3.7
Clooney	4.5	65.7	65.8	295.5	110.1	37.3	0.0	1.1	3.3
X80R603	4.7	66.6	66.6	280.3	101.2	36.3	0.0	1.9	3.7
P8255	4.6	66.8	66.6	279.5	107.2	38.4	0.0	1.1	4.7
Kimmich	5.0	65.3	65.8	269.3	101.5	37.6	0.0	1.2	4.0
SB1409	4.6	64.1	63.8	283.3	107.2	37.9	0.0	3.5	4.3
SY Nomad	4.6	67.6	66.8	278.4	119.0	42.7	0.0	0.7	3.3
KXC0326	4.4	64.2	65.3	277.9	103.3	37.3	0.0	2.0	2.3
KXC1122	4.6	64.5	64.5	273.8	108.7	39.8	0.0	1.4	2.3
KXC1133	4.5	66.2	66.7	287.7	110.4	38.5	0.0	4.5	2.3
KXC1305	4.6	64.4	64.4	274.3	109.8	40.0	0.0	0.3	3.3
KXC1315	4.6	64.1	65.1	283.0	106.1	37.6	0.0	0.5	3.7
ES Traveler	4.6	65.1	66.0	298.0	115.3	38.7	4.2	3.1	5.0
DKC 3410	4.8	65.4	65.8	290.8	108.9	37.4	0.0	0.5	3.7
Akanto	4.6	70.8	69.9	278.5	117.3	42.2	0.0	0.7	4.3
SY Talisman	4.7	65.6	65.6	272.4	114.2	41.9	0.0	3.4	3.0
LG 31259	4.7	64.8	64.7	290.9	123.5	42.4	0.0	3.3	4.3
LG 31272	4.7	66.0	65.9	285.8	126.0	44.3	0.0	2.4	4.7
DKC 3601	4.5	65.8	66.4	300.5	122.9	40.8	0.0	2.5	4.3
Bezugsgrösse(n)	4.5	66.1	66.3	283.7	115.9	40.9	0.0	1.6	3.2
Versuchs-Mittel	4.6	65.4	65.7	282.0	110.3	39.1	0.1	2.0	3.6
VK [%]	13.7	1.6	1.4	4.1	10.6	10.6	948.7	121.7	27.2
KGD (5%)		0.9	0.8	10.1	10.3	3.7		1.9	
KGD (1%)		1.2	1.1	13.4	13.6	4.8		2.5	
Versuchs-Streuung	0.6	1.0	0.9	11.5	11.7	4.2	1.3	2.5	1.0
FG Fehlerterm	287.0	174.0	172.0	174.0	174.0	174.0	56.0	232.0	56.0
Anz. Beob.	16.0	10.0	10.0	10.0	10.0	10.0	3.0	13.0	3.0
Anz. Orte	6.0	4.0	4.0	4.0	4.0	4.0	1.0	5.0	1.0
Minimum	4.4	63.2	63.8	241.8	92.9	35.3	0.0	0.2	2.3
Maximum	5.0	70.8	69.9	304.8	126.0	44.3	4.2	5.2	5.0

Sorten Bezeichnung	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg	Stärke Gehalt NIR g/kg
Benedictio KWS	8.8	582.0	210.8	36.0	146.6	72.2	688.5	336.1
SY Telias	8.9	581.2	205.5	35.4	143.5	73.7	694.7	355.0
Severeen	8.9	589.1	212.4	35.7	147.7	70.7	691.7	332.6
Amaroc	9.3	554.7	206.8	36.9	143.9	71.5	694.3	344.4
LG 31237	8.9	544.8	196.1	35.8	135.7	63.3	687.3	321.9
KWS Robertino	9.1	581.8	207.6	35.2	144.0	71.6	689.1	342.5
LG 31245	8.7	596.5	213.2	35.5	146.6	70.4	683.9	327.6
DKC 3204	8.9	520.0	188.2	36.6	129.9	61.9	686.5	327.2
SY Invictus	8.7	581.4	208.7	35.0	144.0	68.3	688.3	325.9
Micheleen	8.5	578.6	209.0	35.9	144.4	70.4	692.1	337.7
ES Bond	8.8	622.4	216.2	34.6	149.0	72.6	684.7	337.0
LZM270/58	8.9	603.9	215.7	35.5	148.2	77.0	685.2	357.1
Clooney	8.8	626.4	223.2	35.1	150.0	74.9	669.8	334.1
X80R603	9.0	605.2	215.2	35.4	148.0	70.3	686.3	325.9
P8255	8.5	577.3	199.0	33.7	139.5	66.6	692.7	329.3
Kimmich	8.8	536.8	196.9	36.5	135.2	65.9	681.8	326.8
SB1409	9.0	609.6	214.9	34.9	146.8	73.9	678.3	342.5
SY Nomad	9.2	602.0	207.7	33.9	143.6	66.8	686.7	318.7
KXC0326	9.1	599.1	220.2	36.7	151.8	77.7	686.6	353.5
KXC1122	9.1	559.8	205.8	36.7	145.4	70.8	702.4	340.9
KXC1133	8.8	563.3	208.5	37.1	141.6	73.0	673.0	344.5
KXC1305	8.9	543.7	205.7	37.7	143.0	74.6	689.4	357.1
KXC1315	9.0	611.8	217.4	35.2	150.1	74.7	685.4	338.8
ES Traveler	9.0	645.7	216.7	33.6	151.4	77.5	693.6	353.6
DKC 3410	8.7	600.1	211.6	35.1	145.8	70.1	684.8	329.9
Akanto	8.7	606.1	198.2	32.5	137.0	67.9	686.1	337.4
SY Talisman	9.1	597.9	212.5	35.5	149.5	76.1	695.6	350.6
LG 31259	8.8	571.0	208.3	35.8	141.0	67.9	674.6	321.8
LG 31272	8.8	644.5	223.3	34.2	154.6	75.9	685.0	336.1
DKC 3601	8.6	631.2	228.8	35.8	156.5	73.5	670.9	310.4
Bezugsgrösse(n)	9.1	571.9	209.6	36.3	145.8	71.1	693.0	338.5
Versuchs-Mittel	8.9	588.9	210.1	35.5	145.1	71.4	686.3	336.6
VK [%]	5.2	5.8	5.6	3.7	6.3	9.0	2.4	6.5
KGD (5%)	0.3	26.4	9.2	0.9	7.1	5.0	11.6	15.3
KGD (1%)	0.4	34.7	12.1	1.2	9.4	6.6	15.3	20.2
Versuchs-Streuung	0.5	34.1	11.8	1.3	9.2	6.5	16.6	22.0
FG Fehlerterm	288.0	227.0	229.0	286.0	229.0	227.0	290.0	288.0
Anz. Beob.	16.0	13.0	13.0	16.0	13.0	13.0	16.0	16.0
Anz. Orte	6.0	5.0	5.0	6.0	5.0	5.0	6.0	6.0
Minimum	8.5	520.0	188.2	32.5	129.9	61.9	669.8	310.4
Maximum	9.3	645.7	228.8	37.7	156.5	77.7	702.4	357.1

Sorten Bezeichnung	Rohfaser Gehalt NIR g/kg	NDF Gehalt NIR g/kg	Rohprotein Gehalt NIR g/kg	NEL Gehalt MJ/kg	NEV Gehalt MJ/kg
Benedictio KWS	164.6	373.1	57.2	6.2	6.3
SY Telias	162.0	374.3	58.3	6.3	6.4
Severeen	166.4	377.3	60.0	6.3	6.4
Amaroc	166.2	382.6	55.9	6.3	6.4
LG 31237	167.9	381.2	59.2	6.2	6.3
KWS Robertino	169.4	386.8	57.7	6.2	6.3
LG 31245	170.7	386.8	55.3	6.2	6.3
DKC 3204	170.9	392.2	57.3	6.2	6.3
SY Invictus	166.3	380.4	54.6	6.2	6.3
Micheleen	167.3	380.4	57.5	6.3	6.4
ES Bond	165.8	371.3	57.9	6.2	6.3
LZM270/58	162.9	378.0	56.9	6.2	6.3
Clooney	173.9	394.2	59.2	6.0	6.1
X80R603	171.5	400.6	56.4	6.2	6.3
P8255	168.6	386.0	57.2	6.3	6.4
Kimmich	171.9	396.9	55.7	6.1	6.3
SB1409	166.9	387.9	57.8	6.1	6.2
SY Nomad	167.5	386.3	59.4	6.2	6.3
KXC0326	162.0	378.3	55.5	6.2	6.3
KXC1122	163.2	372.9	57.1	6.4	6.5
KXC1133	170.3	395.8	57.3	6.1	6.1
KXC1305	163.0	376.0	55.4	6.2	6.4
KXC1315	165.8	379.0	58.1	6.2	6.3
ES Traveler	168.8	382.8	56.1	6.3	6.4
DKC 3410	171.6	387.0	57.8	6.2	6.3
Akanto	177.3	400.7	59.2	6.2	6.3
SY Talisman	164.8	376.9	59.5	6.3	6.4
LG 31259	171.8	394.2	57.9	6.1	6.2
LG 31272	172.9	387.3	56.8	6.2	6.3
DKC 3601	180.6	410.3	58.0	6.0	6.1
Bezugsgrösse(n)	166.3	379.9	58.0	6.3	6.4
Versuchs-Mittel	168.4	385.3	57.4	6.2	6.3
VK [%]	5.5	4.9	5.8	2.9	3.8
KGD (5%)	6.5	13.1	2.3	0.1	0.2
KGD (1%)	8.5	17.2	3.1	0.2	0.2
Versuchs-Streuung	9.3	18.8	3.3	0.2	0.2
FG Fehlerterm	288.0	290.0	286.0	288.0	290.0
Anz. Beob.	16.0	16.0	16.0	16.0	16.0
Anz. Orte	6.0	6.0	6.0	6.0	6.0
Minimum	162.0	371.3	54.6	6.0	6.1
Maximum	180.6	410.3	60.0	6.4	6.5

4.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	4.5 ---	5.5 -----	4.5 ---	3.7 ----	5.0 -----
SY Telias	4.4 --	5.0 ----	5.0 ----	3.7 ----	5.0 -----
Severeen	4.4 -	5.5 -----	5.5 -----	3.0 ---	5.3 -----
Amaroc	4.6 ----	5.0 ----	5.0 ----	4.0 ----	5.3 -----
LG 31237	4.4 -	4.5 -	5.0 ----	3.3 ---	5.3 -----
KWS Robertino	4.7 ----	5.5 -----	4.5 ---	4.3 ----	5.3 -----
LG 31245	4.6 ----	5.5 -----	5.5 -----	2.3 --	6.0 -----
DKC 3204	4.5 ---	4.5 -	4.0 -	5.0 -----	4.7 ---
SY Invictus	4.9 -----	5.5 -----	5.5 -----	3.3 ---	6.0 -----
Micheleen	4.8 -----	6.0 -----	5.5 -----	2.7 --	6.0 -----
ES Bond	4.5 ---	5.0 ----	5.0 ----	3.0 ---	6.0 -----
LZM270/58	4.4 --	5.5 -----	5.0 ----	3.0 ---	5.3 -----
Clooney	4.5 ---	6.0 -----	5.5 -----	2.7 --	6.0 -----
X80R603	4.7 ----	4.5 -	4.0 -	5.7 -----	4.3 --
P8255	4.6 ----	4.5 -	4.0 -	5.3 -----	4.0 -
Kimmich	5.0 -----	5.0 ----	4.5 ---	5.3 -----	5.0 -----
SB1409	4.6 ---	6.0 -----	6.5 -----	2.0 -	6.0 -----
SY Nomad	4.6 ----	5.5 -----	5.0 ----	3.0 ---	5.7 -----
KXC0326	4.4 -	6.0 -----	4.5 ---	3.7 ----	5.0 -----
KXC1122	4.6 ----	5.5 -----	5.0 ----	3.7 ----	5.3 -----
KXC1133	4.5 ---	5.0 ----	5.0 ----	3.7 ----	5.3 -----
KXC1305	4.6 ----	5.5 -----	5.0 ----	4.0 ----	4.7 ---
KXC1315	4.6 ---	6.0 -----	5.0 ----	4.0 ----	5.0 -----
ES Traveler	4.6 ----	5.5 -----	5.0 ----	4.0 ----	4.7 ---
DKC 3410	4.8 ----	5.0 ----	5.0 ----	4.3 ----	5.3 -----
Akanto	4.6 ----	4.5 -	5.0 ----	4.7 ----	5.0 -----
SY Talisman	4.7 ----	6.0 -----	5.0 ----	2.7 --	5.7 -----
LG 31259	4.7 ----	6.0 -----	5.5 -----	2.7 --	5.7 -----
LG 31272	4.7 ----	6.0 -----	5.0 ----	3.3 ---	6.0 -----
DKC 3601	4.5 ---	5.0 ----	5.5 -----	4.3 ----	5.0 -----
-Bezugsgrösse(n)	4.5 ---	5.3 -----	5.3 -----	3.5 ----	5.3 -----
Versuchs-Mittel	4.6 ----	5.4 -----	5.0 ----	3.7 ----	5.3 -----
VK [%]	13.7	8.1	9.0	21.9	7.1
KGD (5%)	ns	0.9	0.9	1.3	0.6
KGD (1%)	ns	1.2	1.2	1.8	0.8
Versuchs-Streuung	0.6	0.4	0.5	0.8	0.4
FG Fehlerterm	287.0	29.0	29.0	56.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	9.3	29	0.80 ns	1.51	0.7572
Anbauorte	202.5	5	101.87 ***	2.25	0.0000
WW Verf.*Anb.Orte	164.5	145	2.85 ***	1.26	0.0001
Fehler	114.1	287			
Insgesamt	490.4	466			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8193 Eglisau ZH	8566 Ellighausen TG
Benedictio KWS	4.3 -----	4.0 -----
SY Telias	4.3 -----	3.7 ----
Severeen	3.3 --	3.7 ----
Amaroc	4.7 -----	3.7 ----
LG 31237	4.7 -----	3.3 --
KWS Robertino	4.0 -----	4.3 -----
LG 31245	4.3 -----	4.0 -----
DKC 3204	5.0 -----	4.0 -----
SY Invictus	4.7 -----	4.3 -----
Micheleen	3.3 --	5.0 -----
ES Bond	4.3 -----	3.7 ----
LZM270/58	3.7 ----	4.0 -----
Clooney	3.7 ----	3.3 --
X80R603	4.7 -----	5.0 -----
P8255	5.0 -----	4.7 -----
Kimmich	5.0 -----	5.0 -----
SB1409	3.0 -	4.0 -----
SY Nomad	4.3 -----	4.3 -----
KXC0326	4.0 -----	3.0 -
KXC1122	4.0 -----	4.3 -----
KXC1133	4.3 -----	3.7 ----
KXC1305	4.7 -----	4.0 -----
KXC1315	4.0 -----	3.3 --
ES Traveler	4.7 -----	3.7 ----
DKC 3410	5.0 -----	4.0 -----
Akanto	4.3 -----	4.3 -----
SY Talisman	4.3 -----	4.3 -----
LG 31259	3.7 ----	4.7 -----
LG 31272	4.0 -----	3.7 ----
DKC 3601	3.7 ----	3.7 ----
-Bezugsgrösse(n)	4.0 -----	3.7 ----
Versuchs-Mittel	4.2 -----	4.0 -----
VK [%]	12.6	21.2
KGD (5%)	0.9	ns
KGD (1%)	1.2	ns
Versuchs-Streuung	0.5	0.9
FG Fehlerterm	58.0	57.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8193 Eglisau ZH	8566 Ellighausen TG
Benedictio KWS	64.4 --	57.0 -	64.5 ---	72.7 --	63.3 ---
SY Telias	64.8 ---	57.0 -	64.0 --	73.0 ---	65.3 ----
Severeen	65.2 ---	58.0 --	66.0 ----	72.7 --	64.0 ----
Amaroc	67.0 ----	61.0 ----	67.5 ----	73.7 ----	66.0 ----
LG 31237	64.8 ---	58.0 --	65.0 ---	72.7 --	63.7 ---
KWS Robertino	65.3 ---	58.5 --	65.0 ---	72.0 -	65.7 ----
LG 31245	64.8 ---	58.5 --	63.5 -	73.3 ----	64.0 ----
DKC 3204	64.8 ---	57.5 -	65.5 ----	72.0 -	64.0 ----
SY Invictus	67.0 ----	59.0 ---	67.5 ----	74.7 ----	67.0 ----
Micheleen	65.2 ---	58.5 --	65.0 ---	72.7 --	64.7 ----
ES Bond	63.2 -	57.0 -	63.0 -	71.7 -	61.0 -
LZM270/58	63.7 -	57.0 -	63.0 -	72.0 -	62.7 --
Clooney	65.7 ----	58.5 --	66.5 ----	73.3 ----	64.3 ---
X80R603	66.6 ----	60.0 ----	66.5 ----	73.3 ----	66.7 ----
P8255	66.8 ----	59.5 ----	67.5 ----	74.3 ----	66.0 ----
Kimmich	65.3 ---	59.0 ---	64.0 --	72.3 --	66.0 ----
SB1409	64.1 --	58.0 --	64.0 --	72.0 -	62.3 --
SY Nomad	67.6 ----	61.0 ----	68.0 ----	75.0 ----	66.3 ----
KXC0326	64.2 --	58.0 --	64.0 --	72.0 -	62.7 --
KXC1122	64.5 --	57.5 -	64.0 --	72.3 --	64.0 ----
KXC1133	66.2 ----	59.0 ---	66.5 ----	73.7 ----	65.7 ----
KXC1305	64.4 --	57.0 -	64.5 ---	72.7 --	63.3 ---
KXC1315	64.1 --	57.0 -	64.0 --	72.7 --	62.7 --
ES Traveler	65.1 ---	58.0 --	65.0 ---	73.7 ----	63.7 ---
DKC 3410	65.4 ----	58.0 --	65.5 ----	73.7 ----	64.3 ----
Akanto	70.8 ----	65.0 ----	70.0 ----	77.3 ----	70.7 ----
SY Talisman	65.6 ----	58.5 --	65.5 ----	73.0 ---	65.3 ----
LG 31259	64.8 ---	57.0 -	64.0 --	72.7 --	65.3 ----
LG 31272	66.0 ----	59.0 ---	65.5 ----	73.0 ---	66.7 ----
DKC 3601	65.8 ----	59.0 ---	65.5 ----	73.0 ---	65.7 ----
-Bezugsgrösse(n)	66.1 ---	59.5 ---	66.8 ----	73.2 ---	65.0 ----
Versuchs-Mittel	65.4 ---	58.5 ---	65.3 ----	73.1 ---	64.8 ----
VK [%]	1.6	1.6	1.5	1.0	2.0
KGD (5%)	0.9	2.0	2.0	1.2	2.2
KGD (1%)	1.2	2.6	2.7	1.6	2.9
Versuchs-Streuung	1.0	1.0	1.0	0.7	1.3
FG Fehlerterm	174.0	29.0	29.0	58.0	58.0
Anz. Beob.	10.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	616.1	29	19.68 ***	1.53	0.0000
Anbauorte	8013.2	3	2473.90 ***	2.66	0.0000
WW Verf.*Anb.Orte	114.5	87	1.22 ns	1.35	0.1362
Fehler	187.9	174			
Insgesamt	8931.7	293			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	8193 Eglisau ZH	8566 Ellighausen TG
Benedictio KWS	65.2 ---	56.0 -	64.0 ---	74.7 ----	66.0 -----
SY Telias	64.8 --	56.0 -	63.5 ---	74.7 ----	65.0 ----
Severeen	65.8 ----	57.0 --	65.0 ----	75.0 ----	66.0 -----
Amaroc	66.9 -----	60.0 -----	66.5 -----	75.0 ----	66.0 -----
LG 31237	65.6 ----	57.0 --	64.0 ---	76.7 -----	64.7 ----
KWS Robertino	66.8 -----	57.5 ---	66.5 -----	75.3 ----	68.0 -----
LG 31245	65.5 ---	57.5 ---	64.0 ---	75.3 ----	65.3 ----
DKC 3204	65.2 ---	56.5 --	64.5 ----	74.7 ----	65.0 ----
SY Invictus	66.0 ----	58.0 ----	65.5 ----	75.3 ----	65.0 ----
Micheleen	65.8 ----	57.5 ---	65.0 ----	74.3 ---	66.3 -----
ES Bond	63.8 -	56.0 -	62.0 -	73.3 -	64.0 ----
LZM270/58	63.9 -	56.0 -	62.5 -	73.0 -	64.0 ----
Clooney	65.8 ----	57.5 ---	65.5 ----	75.7 -----	64.7 ----
X80R603	66.6 ----	59.0 ----	65.5 ----	75.0 ----	67.0 ----
P8255	66.6 ----	58.5 ----	66.5 -----	75.3 ----	66.0 ----
Kimmich	65.8 ----	58.0 ----	64.0 ---	74.3 ---	66.7 -----
SB1409	63.8 -	57.0 --	63.5 ---	73.0 -	61.7 -
SY Nomad	66.8 ----	60.0 -----	67.0 -----	75.3 ----	64.7 ----
KXC0326	65.3 ---	57.0 --	63.5 ---	74.7 ----	66.0 ----
KXC1122	64.5 --	56.5 --	63.5 ---	74.0 ---	64.0 ----
KXC1133	66.7 ----	58.0 ----	65.5 ----	75.7 -----	67.7 -----
KXC1305	64.4 --	55.5 -	63.5 ---	75.0 ----	63.7 ---
KXC1315	65.1 ---	56.0 -	64.5 ----	75.0 ----	65.0 ----
ES Traveler	66.0 ----	57.0 --	65.0 ----	76.0 -----	66.0 ----
DKC 3410	65.8 ----	57.0 --	65.0 ----	75.7 -----	65.3 ----
Akanto	69.9 -----	64.0 -----	69.0 -----	78.0 -----	68.7 -----
SY Talisman	65.6 ----	57.5 ---	64.5 ----	75.0 ----	65.3 ----
LG 31259	64.7 --	56.0 -	62.5 -	75.3 ----	65.0 ----
LG 31272	65.9 ----	58.0 ----	65.0 ----	74.3 ---	66.3 ----
DKC 3601	66.4 ----	58.0 ----	65.0 ----	75.0 ----	67.7 ----
-Bezugsgrösse(n)	66.3 ----	58.5 ---	65.8 ----	75.0 ----	66.0 -----
Versuchs-Mittel	65.7 ---	57.5 ---	64.7 ---	75.0 ----	65.6 ----
VK [%]	1.4	1.6	1.4	1.3	1.4
KGD (5%)	0.8	1.9	1.8	1.6	1.5
KGD (1%)	1.1	2.6	2.5	2.1	2.1
Versuchs-Streuung	0.9	0.9	0.9	1.0	0.9
FG Fehlerterm	172.0	29.0	29.0	58.0	56.0
Anz. Beob.	10.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	414.2	29	16.13 ***	1.53	0.0000
Anbauorte	11567.9	3	4354.72 ***	2.66	0.0000
WW Verf.*Anb.Orte	165.1	87	2.14 ***	1.35	0.0005
Fehler	152.3	172			
Insgesamt	12299.4	291			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
Benedictio KWS	273.1	267.5	270.0	250.0	305.0
SY Telias	241.8	230.0	255.0	225.0	257.0
Severeen	275.9	257.5	277.5	266.7	302.0
Amaroc	291.4	285.0	300.0	275.0	305.7
LG 31237	288.7	272.5	295.0	263.3	324.0
KWS Robertino	280.4	265.0	270.0	271.7	315.0
LG 31245	291.2	272.5	300.0	270.0	322.3
DKC 3204	263.4	270.0	270.0	228.3	285.3
SY Invictus	275.1	275.0	270.0	263.3	292.0
Micheleen	293.7	275.0	300.0	286.7	313.0
ES Bond	304.8	295.0	305.0	283.3	336.0
LZM270/58	281.9	270.0	277.5	266.7	313.3
Clooney	295.5	290.0	300.0	283.3	308.7
X80R603	280.3	290.0	280.0	260.0	291.3
P8255	279.5	272.5	275.0	270.0	300.7
Kimmich	269.3	280.0	270.0	251.7	275.7
SB1409	283.3	275.0	285.0	263.3	309.7
SY Nomad	278.4	272.5	270.0	273.3	297.7
KXC0326	277.9	277.5	282.5	246.7	305.0
KXC1122	273.8	277.5	270.0	258.3	289.3
KXC1133	287.7	290.0	280.0	265.0	315.7
KXC1305	274.3	265.0	282.5	248.3	301.3
KXC1315	283.0	267.5	285.0	260.0	319.7
ES Traveler	298.0	290.0	292.5	288.3	321.0
DKC 3410	290.8	292.5	290.0	273.3	307.3
Akanto	278.5	275.0	280.0	255.0	304.0
SY Talisman	272.4	265.0	270.0	256.7	298.0
LG 31259	290.9	277.5	290.0	280.0	316.0
LG 31272	285.8	287.5	282.5	273.3	300.0
DKC 3601	300.5	300.0	297.5	281.7	322.7
-Bezugsgrösse(n)	283.7	271.3	288.8	270.8	303.8
Versuchs-Mittel	282.0	276.0	282.4	264.6	305.1
VK [%]	4.1	3.6	2.9	4.6	4.2
KGD (5%)	10.1	20.1	16.7	19.7	21.2
KGD (1%)	13.4	27.1	22.6	26.3	28.2
Versuchs-Streuung	11.5	9.8	8.2	12.1	12.9
FG Fehlerterm	174.0	29.0	29.0	58.0	58.0
Anz. Beob.	10.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	44205.3	29	11.57 ***	1.53	0.0000
Anbauorte	65565.4	3	165.89 ***	2.66	0.0000
WW Verf.*Anb.Orte	15423.2	87	1.35 ns	1.35	0.0505
Fehler	22923.1	174			
Insgesamt	148116.9	293			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
Benedictio KWS	107.8 ----	100.0 -----	120.0 -----	103.3 ----	107.7 --
SY Telias	100.3 ---	80.0 -	115.0 ----	96.7 ---	109.7 ---
Severeen	115.5 -----	92.5 ----	135.0 -----	116.7 -----	118.0 ----
Amaroc	116.3 -----	100.0 -----	130.0 -----	108.3 -----	127.0 -----
LG 31237	108.4 ----	85.0 --	130.0 -----	108.3 ----	110.3 ---
KWS Robertino	108.2 ----	90.0 ---	110.0 ----	110.0 -----	122.7 -----
LG 31245	120.7 -----	97.5 ----	135.0 -----	118.3 -----	132.0 -----
DKC 3204	92.9 -	85.0 --	97.5 -	83.3 -	105.7 --
SY Invictus	97.6 --	85.0 --	97.5 -	106.7 ----	101.3 -
Micheleen	110.4 -----	90.0 ---	125.0 -----	111.7 -----	115.0 ----
ES Bond	111.8 -----	105.0 -----	117.5 ----	116.7 -----	108.0 --
LZM270/58	105.4 ---	100.0 ----	112.5 ----	105.0 ----	104.0 -
Clooney	110.1 ----	105.0 -----	105.0 ---	108.3 ----	122.0 -----
X80R603	101.2 ---	90.0 ---	112.5 ----	101.7 ---	100.7 -
P8255	107.2 ----	105.0 -----	115.0 ----	103.3 ----	105.3 --
Kimmich	101.5 ---	100.0 -----	110.0 ----	86.7 -	109.3 ---
SB1409	107.2 ----	90.0 ---	125.0 -----	106.7 ----	107.0 --
SY Nomad	119.0 -----	100.0 ----	115.0 ----	120.0 -----	141.0 -----
KXC0326	103.3 ---	85.0 --	117.5 ----	98.3 ---	112.3 ---
KXC1122	108.7 ----	105.0 -----	110.0 ----	110.0 -----	109.7 ---
KXC1133	110.4 -----	115.0 -----	105.0 ---	105.0 ----	116.7 ----
KXC1305	109.8 ----	95.0 ---	117.5 ----	106.7 ----	120.0 ----
KXC1315	106.1 ----	90.0 ---	115.0 ----	108.3 ----	111.0 ---
ES Traveler	115.3 -----	100.0 ----	125.0 -----	113.3 -----	123.0 ----
DKC 3410	108.9 ----	85.0 --	122.5 -----	98.3 ---	129.7 -----
Akanto	117.3 -----	115.0 -----	130.0 -----	103.3 ----	121.0 ----
SY Talisman	114.2 -----	97.5 ----	127.5 -----	106.7 ----	125.0 -----
LG 31259	123.5 -----	105.0 ----	127.5 -----	133.3 -----	128.0 ----
LG 31272	126.0 -----	120.0 -----	132.5 -----	123.3 -----	128.3 ----
DKC 3601	122.9 -----	110.0 ----	130.0 -----	113.3 ----	138.3 -----
-Bezugsgrösse(n)	115.9 -----	96.3 ----	132.5 -----	112.5 ----	122.5 ----
Versuchs-Mittel	110.3 ----	97.4 ----	118.9 ----	107.7 ----	117.0 ----
VK [%]	10.6	8.0	7.8	12.4	10.7
KGD (5%)	10.3	16.0	19.0	ns	20.4
KGD (1%)	13.6	21.5	25.6	ns	27.2
Versuchs-Streuung	11.7	7.8	9.3	13.4	12.5
FG Fehlerterm	174.0	29.0	29.0	58.0	58.0
Anz. Beob.	10.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17740.9	29	4.49 ***	1.53	0.0000
Anbauorte	21870.6	3	53.50 ***	2.66	0.0000
WW Verf.*Anb.Orte	13387.9	87	1.13 ns	1.35	0.2488
Fehler	23711.3	174			
Insgesamt	76710.7	293			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
Benedictio KWS	39.6 ----	37.5 -----	44.4 -----	41.3 -----	35.4 ---
SY Telias	41.5 -----	34.8 ----	45.1 -----	43.0 -----	42.9 -----
Severeen	41.9 -----	36.0 -----	48.6 -----	43.8 -----	39.1 ----
Amaroc	39.9 -----	35.2 -----	43.3 -----	39.5 -----	41.6 -----
LG 31237	37.7 ---	31.2 --	44.1 -----	41.2 -----	34.4 --
KWS Robertino	38.6 ----	34.0 ----	40.8 ----	40.5 ----	39.1 ----
LG 31245	41.4 -----	35.7 -----	45.0 -----	43.8 -----	41.0 -----
DKC 3204	35.3 -	31.5 --	36.1 -	36.5 --	37.2 ----
SY Invictus	35.6 -	30.9 --	36.1 -	40.7 ----	34.7 --
Micheleen	37.5 ---	32.7 ---	41.7 ----	38.9 ----	36.8 ----
ES Bond	36.9 --	35.6 -----	38.6 ---	41.2 -----	32.2 -
LZM270/58	37.6 ---	37.0 -----	40.6 ----	39.4 ----	33.3 -
Clooney	37.3 ---	36.2 -----	35.0 -	38.3 ----	39.6 ----
X80R603	36.3 --	31.1 --	40.4 ----	39.1 ----	34.5 --
P8255	38.4 ----	38.4 -----	41.9 -----	38.4 ----	35.0 --
Kimmich	37.6 ---	35.7 -----	40.7 ----	34.5 -	39.5 ----
SB1409	37.9 ----	32.7 ---	43.9 -----	40.5 ----	34.6 --
SY Nomad	42.7 -----	36.7 -----	42.6 ----	43.9 -----	47.5 -----
KXC0326	37.3 ---	30.6 --	41.6 ----	39.9 ----	36.8 ----
KXC1122	39.8 -----	37.9 -----	40.8 ----	42.6 -----	37.9 ----
KXC1133	38.5 ----	39.7 -----	37.5 --	39.6 ----	37.2 ----
KXC1305	40.0 -----	35.8 -----	41.6 ----	42.9 -----	39.8 -----
KXC1315	37.6 ---	33.6 ----	40.3 ----	41.8 -----	34.7 --
ES Traveler	38.7 ----	34.5 ----	42.7 ----	39.3 ----	38.4 ----
DKC 3410	37.4 ---	29.1 -	42.2 ----	36.0 --	42.2 -----
Akanto	42.2 -----	42.0 -----	46.4 -----	40.5 ----	39.9 ----
SY Talisman	41.9 -----	36.9 -----	47.2 -----	41.5 ----	42.0 -----
LG 31259	42.4 -----	37.9 -----	44.0 -----	47.1 -----	40.6 -----
LG 31272	44.3 -----	41.7 -----	46.9 -----	45.3 -----	43.1 -----
DKC 3601	40.8 -----	36.7 -----	43.6 -----	40.0 ----	42.9 -----
-Bezugsgrösse(n)	40.9 -----	35.6 -----	46.0 -----	41.7 -----	40.3 -----
Versuchs-Mittel	39.1 ----	35.3 ----	42.1 ----	40.7 ----	38.5 ----
VK [%]	10.6	8.0	7.9	11.4	11.9
KGD (5%)	3.7	5.8	6.8	ns	7.5
KGD (1%)	4.8	7.8	ns	ns	ns
Versuchs-Streuung	4.2	2.8	3.3	4.6	4.6
FG Fehlerterm	174.0	29.0	29.0	58.0	58.0
Anz. Beob.	10.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1544.8	29	3.08 ***	1.53	0.0002
Anbauorte	1989.1	3	38.29 ***	2.66	0.0000
WW Verf.*Anb.Orte	1434.2	87	0.95 ns	1.35	0.5961
Fehler	3013.2	174			
Insgesamt	7981.2	293			

Greensnapping [%] / Greensnapping [%]

Verfahren	Seriemittel	1567 Delley FR
Benedictio KWS	0.0 -	0.0 -
SY Telias	0.0 -	0.0 -
Severeen	0.0 -	0.0 -
Amaroc	0.0 -	0.0 -
LG 31237	0.0 -	0.0 -
KWS Robertino	0.0 -	0.0 -
LG 31245	0.0 -	0.0 -
DKC 3204	0.0 -	0.0 -
SY Invictus	0.0 -	0.0 -
Micheleen	0.0 -	0.0 -
ES Bond	0.0 -	0.0 -
LZM270/58	0.0 -	0.0 -
Clooney	0.0 -	0.0 -
X80R603	0.0 -	0.0 -
P8255	0.0 -	0.0 -
Kimmich	0.0 -	0.0 -
SB1409	0.0 -	0.0 -
SY Nomad	0.0 -	0.0 -
KXC0326	0.0 -	0.0 -
KXC1122	0.0 -	0.0 -
KXC1133	0.0 -	0.0 -
KXC1305	0.0 -	0.0 -
KXC1315	0.0 -	0.0 -
ES Traveler	4.2 -----	4.2 -----
DKC 3410	0.0 -	0.0 -
Akanto	0.0 -	0.0 -
SY Talisman	0.0 -	0.0 -
LG 31259	0.0 -	0.0 -
LG 31272	0.0 -	0.0 -
DKC 3601	0.0 -	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.1 -	0.1 -
VK [%]	948.7	948.7
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.3	1.3
FG Fehlerterm	56.0	56.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8193 Eglisau ZH
Benedictio KWS	0.2 -	0.6 -	0.0 -	0.4 -	0.0 -
SY Telias	2.2 ----	5.0 ----	0.0 -	0.4 -	3.6 ----
Severeen	0.9 --	1.5 --	0.0 -	2.5 ----	0.6 -
Amaroc	2.2 ----	3.3 ---	0.0 -	4.3 ----	2.0 ---
LG 31237	5.2 -----	14.6 -----	5.3 -----	0.7 --	5.6 -----
KWS Robertino	0.8 --	2.1 --	0.5 --	0.4 -	1.0 --
LG 31245	2.1 ----	5.8 ----	0.6 --	0.8 --	1.5 --
DKC 3204	0.5 -	1.1 -	0.0 -	0.0 -	1.5 --
SY Invictus	2.7 ----	2.8 ---	0.0 -	5.0 -----	4.7 ----
Micheleen	4.4 -----	14.1 -----	2.8 -----	4.1 -----	1.1 --
ES Bond	3.8 -----	8.4 -----	0.0 -	5.3 -----	5.4 -----
LZM270/58	1.4 ---	4.0 ---	0.0 -	0.7 --	0.5 -
Clooney	1.1 --	2.2 --	0.0 -	2.1 ----	1.0 --
X80R603	1.9 ---	4.2 ---	0.6 --	1.1 --	2.9 ---
P8255	1.1 --	1.3 -	1.4 ---	0.8 --	2.3 ---
Kimmich	1.2 ---	1.7 --	0.0 -	1.2 ---	3.3 ---
SB1409	3.5 -----	5.1 ----	3.0 -----	3.9 -----	3.7 ----
SY Nomad	0.7 --	0.0 -	0.0 -	0.7 --	0.0 -
KXC0326	2.0 ----	4.5 ----	0.0 -	1.8 ----	3.9 ----
KXC1122	1.4 ---	3.6 ---	0.6 --	1.4 ---	1.4 --
KXC1133	4.5 -----	13.8 -----	0.0 -	4.1 -----	2.2 ---
KXC1305	0.3 -	0.7 -	0.0 -	0.4 -	0.5 -
KXC1315	0.5 -	2.2 --	0.0 -	0.0 -	0.5 -
ES Traveler	3.1 -----	2.4 --	0.0 -	4.5 -----	8.6 -----
DKC 3410	0.5 -	0.0 -	0.0 -	1.5 ----	1.1 --
Akanto	0.7 --	0.0 -	0.0 -	0.3 -	1.5 --
SY Talisman	3.4 -----	7.3 -----	0.0 -	2.4 ----	6.9 -----
LG 31259	3.3 -----	4.0 ---	2.9 -----	4.4 -----	5.2 -----
LG 31272	2.4 ----	5.1 ----	0.0 -	2.5 ----	4.3 ----
DKC 3601	2.5 ----	1.8 --	0.0 -	3.2 -----	1.7 ---
-Bezugsgrösse(n)	1.6 ---	2.4 --	0.0 -	3.4 -----	1.3 --
Versuchs-Mittel	2.0 ----	4.1 ---	0.6 --	2.0 ----	2.6 ----
VK [%]	121.7	81.1	148.1	99.0	114.1
KGD (5%)	1.9	6.8	1.8	3.3	ns
KGD (1%)	2.5	9.2	2.4	4.4	ns
Versuchs-Streuung	2.5	3.3	0.9	2.0	3.0
FG Fehlerterm	232.0	29.0	29.0	58.0	58.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	722.5	29	4.11 ***	1.52	0.0000
Anbauorte	649.3	4	26.77 ***	2.41	0.0000
WW Verf.*Anb.Orte	1298.1	116	1.85 ***	1.30	0.0008
Fehler	1406.6	232			
Insgesamt	4076.5	381			

Charbon [%] / Beulenbrand [%]

Verfahren	8566	
	Ellighausen TG	
Benedictio KWS	0.0	-
SY Telias	2.1	----
Severeen	0.0	-
Amaroc	1.6	---
LG 31237	0.0	-
KWS Robertino	0.0	-
LG 31245	1.7	----
DKC 3204	0.0	-
SY Invictus	1.1	---
Micheleen	0.0	-
ES Bond	0.0	-
LZM270/58	1.6	---
Clooney	0.0	-
X80R603	0.6	--
P8255	0.0	-
Kimmich	0.0	-
SB1409	1.8	----
SY Nomad	2.7	-----
KXC0326	0.0	-
KXC1122	0.0	-
KXC1133	2.4	-----
KXC1305	0.0	-
KXC1315	0.0	-
ES Traveler	0.0	-
DKC 3410	0.0	-
Akanto	1.6	---
SY Talisman	0.5	--
LG 31259	0.0	-
LG 31272	0.0	-
DKC 3601	5.7	-----
-Bezugsgrösse(n)	0.8	--
Versuchs-Mittel	0.8	--
VK [%]	298.2	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	2.3	
FG Fehlerterm	58.0	
Anz. Beob.	3.0	

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel		1567 Delley FR	
Benedictio KWS	3.3	----	3.3	----
SY Telias	3.3	----	3.3	----
Severeen	2.7	--	2.7	--
Amaroc	3.7	-----	3.7	-----
LG 31237	3.3	----	3.3	----
KWS Robertino	3.3	----	3.3	----
LG 31245	3.7	-----	3.7	-----
DKC 3204	4.3	-----	4.3	-----
SY Invictus	3.7	-----	3.7	-----
Micheleen	3.0	---	3.0	---
ES Bond	4.0	-----	4.0	-----
LZM270/58	3.7	-----	3.7	-----
Clooney	3.3	----	3.3	----
X80R603	3.7	-----	3.7	-----
P8255	4.7	-----	4.7	-----
Kimmich	4.0	-----	4.0	-----
SB1409	4.3	-----	4.3	-----
SY Nomad	3.3	----	3.3	----
KXC0326	2.3	-	2.3	-
KXC1122	2.3	-	2.3	-
KXC1133	2.3	-	2.3	-
KXC1305	3.3	----	3.3	----
KXC1315	3.7	-----	3.7	-----
ES Traveler	5.0	-----	5.0	-----
DKC 3410	3.7	-----	3.7	-----
Akanto	4.3	-----	4.3	-----
SY Talisman	3.0	---	3.0	---
LG 31259	4.3	-----	4.3	-----
LG 31272	4.7	-----	4.7	-----
DKC 3601	4.3	-----	4.3	-----
-Bezugsgrösse(n)	3.2	----	3.2	----
Versuchs-Mittel	3.6	-----	3.6	-----
VK [%]	27.2		27.2	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	1.0		1.0	
FG Fehlerterm	56.0		56.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	8.8 ----	8.8 -----	9.3 -----	8.5 -	8.6 -
SY Telias	8.9 -----	8.5 -----	8.9 ----	8.5 -	9.2 -----
Severeen	8.9 -----	8.1 ----	9.0 ----	8.5 -	9.3 -----
Amaroc	9.3 -----	9.0 -----	10.0 -----	8.5 -	9.2 -----
LG 31237	8.9 -----	7.3 -	9.5 -----	8.5 -	9.5 -----
KWS Robertino	9.1 -----	9.4 -----	9.2 -----	8.5 -	8.9 ---
LG 31245	8.7 ---	8.5 -----	8.9 ----	8.5 -	8.6 -
DKC 3204	8.9 -----	8.2 ----	9.6 -----	8.5 -	8.7 -
SY Invictus	8.7 ---	7.8 ---	8.9 ----	8.5 -	9.2 -----
Micheleen	8.5 -	7.5 -	8.8 ----	8.5 -	9.0 ----
ES Bond	8.8 -----	8.3 ----	9.2 -----	8.5 -	9.2 -----
LZM270/58	8.9 -----	8.0 ----	9.3 -----	8.5 -	9.3 -----
Clooney	8.8 ---	7.7 --	9.1 ----	8.5 -	9.3 -----
X80R603	9.0 -----	8.5 -----	9.1 -----	8.5 -	9.2 -----
P8255	8.5 -	7.8 ---	8.2 -	8.5 -	8.8 --
Kimmich	8.8 -----	8.9 -----	9.1 -----	8.5 -	8.8 --
SB1409	9.0 -----	8.8 -----	9.6 -----	8.5 -	9.4 -----
SY Nomad	9.2 -----	8.9 -----	9.8 -----	8.5 -	9.6 -----
KXC0326	9.1 -----	8.9 -----	9.5 -----	8.5 -	9.0 ---
KXC1122	9.1 -----	8.4 ----	9.3 -----	8.5 -	9.7 -----
KXC1133	8.8 -----	9.1 -----	9.0 ----	8.5 -	8.9 ---
KXC1305	8.9 -----	8.2 ----	9.0 ----	8.5 -	9.0 ----
KXC1315	9.0 -----	9.1 -----	9.1 ----	8.5 -	9.0 ----
ES Traveler	9.0 -----	8.8 -----	9.6 -----	8.5 -	9.2 -----
DKC 3410	8.7 ---	7.8 ---	9.0 ----	8.5 -	9.1 ----
Akanto	8.7 ----	7.8 ---	8.6 ---	8.5 -	9.3 -----
SY Talisman	9.1 -----	8.6 -----	9.3 -----	8.5 -	9.6 -----
LG 31259	8.8 -----	8.7 -----	9.2 -----	8.5 -	9.2 -----
LG 31272	8.8 -----	8.8 -----	9.3 -----	8.5 -	9.4 -----
DKC 3601	8.6 --	7.7 ---	8.8 ----	8.5 -	9.6 -----
-Bezugsgrösse(n)	9.1 -----	8.5 -----	9.5 -----	8.5 -	9.2 -----
Versuchs-Mittel	8.9 -----	8.4 -----	9.2 -----	8.5 -	9.2 -----
VK [%]	5.2	8.1	7.2	0.0	5.6
KGD (5%)	0.3	ns	ns	ns	ns
KGD (1%)	0.4	ns	ns	ns	ns
Versuchs-Streuung	0.5	0.7	0.7	0.0	0.5
FG Fehlerterm	288.0	29.0	29.0	58.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	19.0	29	3.12 ***	1.51	0.0002
Anbauorte	62.6	5	59.47 ***	2.25	0.0000
WW Verf.*Anb.Orte	40.1	145	1.31 ns	1.26	
Fehler	60.6	288			
Insgesamt	182.3	467			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	9.2	----	8.6	-----
SY Telias	9.4	-----	8.8	-----
Severeen	9.6	-----	8.7	-----
Amaroc	9.9	-----	9.0	-----
LG 31237	9.3	-----	9.1	-----
KWS Robertino	9.5	-----	9.2	-----
LG 31245	9.0	---	8.4	---
DKC 3204	9.7	-----	9.0	-----
SY Invictus	9.3	-----	8.4	---
Micheleen	9.0	---	8.0	-
ES Bond	9.0	---	8.6	-----
LZM270/58	9.7	-----	8.7	-----
Clooney	9.4	-----	8.6	-----
X80R603	9.9	-----	8.8	-----
P8255	8.7	-	8.8	-----
Kimmich	8.8	--	8.8	-----
SB1409	9.1	----	8.7	-----
SY Nomad	9.7	-----	8.8	-----
KXC0326	9.8	-----	9.0	-----
KXC1122	10.0	-----	8.9	-----
KXC1133	8.7	-	8.6	-----
KXC1305	9.6	-----	9.0	-----
KXC1315	9.6	-----	8.9	-----
ES Traveler	9.2	-----	8.9	-----
DKC 3410	9.0	---	8.6	-----
Akanto	9.4	-----	8.9	-----
SY Talisman	9.9	-----	8.8	-----
LG 31259	8.7	-	8.6	-----
LG 31272	8.8	-	8.1	-
DKC 3601	8.8	--	8.1	-
-Bezugsgrösse(n)	9.7	-----	8.9	-----
Versuchs-Mittel	9.3	-----	8.7	-----
VK [%]	4.4		4.8	
KGD (5%)	0.7		ns	
KGD (1%)	0.9		ns	
Versuchs-Streuung	0.4		0.4	
FG Fehlerterm	58.0		56.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	8193 Eglisau ZH
Benedictio KWS	582.0	631.9	571.6	512.6	598.2
SY Telias	581.2	635.3	593.5	525.5	560.0
Severeen	589.1	559.0	584.0	565.5	633.0
Amaroc	554.7	543.0	584.6	492.5	552.6
LG 31237	544.8	499.3	573.0	486.4	610.2
KWS Robertino	581.8	593.5	617.0	510.1	611.8
LG 31245	596.5	602.4	618.0	545.9	642.5
DKC 3204	520.0	583.8	529.4	443.3	539.2
SY Invictus	581.4	577.4	605.3	537.6	620.5
Micheleen	578.6	567.9	631.2	498.1	651.3
ES Bond	622.4	641.1	630.8	509.5	680.0
LZM270/58	603.9	636.9	657.3	499.2	654.6
Clooney	626.4	611.5	675.3	510.3	666.7
X80R603	605.2	656.3	587.6	553.1	586.9
P8255	577.3	608.4	582.9	512.2	630.7
Kimmich	536.8	571.6	592.1	459.6	566.8
SB1409	609.6	605.7	633.1	536.4	610.6
SY Nomad	602.0	650.1	625.3	535.4	602.7
KXC0326	599.1	633.5	604.5	509.6	627.3
KXC1122	559.8	593.8	569.8	492.5	559.6
KXC1133	563.3	659.2	498.6	500.5	550.0
KXC1305	543.7	593.0	489.3	515.8	559.9
KXC1315	611.8	653.7	622.2	528.9	622.6
ES Traveler	645.7	687.4	668.8	544.5	666.9
DKC 3410	600.1	629.2	643.5	551.0	577.5
Akanto	606.1	666.5	623.8	501.6	637.2
SY Talisman	597.9	625.2	617.7	549.5	579.8
LG 31259	571.0	569.6	592.6	525.4	648.1
LG 31272	644.5	723.5	648.4	550.1	633.5
DKC 3601	631.2	637.8	677.3	548.2	663.0
-Bezugsgrösse(n)	571.9	551.0	584.3	529.0	592.8
Versuchs-Mittel	588.9	614.9	605.0	518.4	611.5
VK [%]	5.8	5.1	6.4	6.6	4.6
KGD (5%)	26.4	63.8	79.1	55.8	46.0
KGD (1%)	34.7	86.0	106.6	ns	61.2
Versuchs-Streuung	34.1	31.2	38.7	34.1	28.1
FG Fehlerterm	227.0	29.0	29.0	55.0	58.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	361379.5	29	10.72 ***	1.52	0.0000
Anbauorte	503525.5	4	108.29 ***	2.41	0.0000
WW Verf.*Anb.Orte	298233.0	116	2.21 ***	1.30	0.0003
Fehler	263886.5	227			
Insgesamt	1427024.5	376			

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

Verfahren	8566	
	Ellighausen TG	
Benedictio KWS	595.6	-----
SY Telias	591.9	-----
Severeen	603.8	-----
Amaroc	600.9	-----
LG 31237	555.4	----
KWS Robertino	576.7	----
LG 31245	573.3	----
DKC 3204	504.2	-
SY Invictus	566.1	----
Micheleen	544.6	----
ES Bond	650.6	-----
LZM270/58	571.6	----
Clooney	668.4	-----
X80R603	641.9	-----
P8255	552.1	----
Kimmich	493.9	-
SB1409	662.0	-----
SY Nomad	596.6	-----
KXC0326	620.9	-----
KXC1122	583.1	-----
KXC1133	608.3	-----
KXC1305	560.6	----
KXC1315	631.7	-----
ES Traveler	660.7	-----
DKC 3410	599.2	-----
Akanto	601.6	-----
SY Talisman	617.2	-----
LG 31259	519.2	--
LG 31272	666.8	-----
DKC 3601	629.4	-----
-Bezugsgrösse(n)	602.3	-----
Versuchs-Mittel	594.9	-----
VK [%]	6.5	
KGD (5%)	62.8	
KGD (1%)	83.6	
Versuchs-Streuung	38.4	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	8193 Eglisau ZH
Benedictio KWS	210.8	221.3	211.3	183.5	228.5
SY Telias	205.5	206.4	222.6	187.2	210.9
Severeen	212.4	202.7	223.8	194.9	238.7
Amaroc	206.8	193.2	231.6	179.2	224.4
LG 31237	196.1	175.3	202.1	180.1	228.8
KWS Robertino	207.6	207.5	223.9	182.0	233.5
LG 31245	213.2	195.6	236.4	195.0	241.6
DKC 3204	188.2	205.1	189.3	158.9	210.6
SY Invictus	208.7	200.8	241.1	187.5	233.9
Micheleen	209.0	193.3	226.8	186.6	251.7
ES Bond	216.2	212.8	221.4	178.3	247.3
LZM270/58	215.7	214.5	254.0	183.9	233.4
Clooney	223.2	214.1	240.5	183.0	256.6
X80R603	215.2	233.2	218.9	185.6	229.9
P8255	199.0	196.9	208.4	176.1	233.5
Kimmich	196.9	205.5	230.3	160.9	221.8
SB1409	214.9	212.0	231.9	184.0	226.9
SY Nomad	207.7	210.0	219.4	189.9	227.4
KXC0326	220.2	215.9	237.7	187.2	243.6
KXC1122	205.8	205.3	220.4	179.2	221.5
KXC1133	208.5	235.5	180.8	188.3	227.3
KXC1305	205.7	206.5	216.7	185.4	224.6
KXC1315	217.4	221.1	233.1	187.0	232.9
ES Traveler	216.7	219.5	226.2	186.6	237.3
DKC 3410	211.6	217.2	224.2	191.8	226.8
Akanto	198.2	204.0	211.8	161.0	225.8
SY Talisman	212.5	203.3	241.3	192.8	224.3
LG 31259	208.3	206.7	229.4	183.8	246.4
LG 31272	223.3	233.5	232.9	187.0	245.7
DKC 3601	228.8	220.2	272.2	185.7	252.3
-Bezugsgrösse(n)	209.6	197.9	227.7	187.0	231.6
Versuchs-Mittel	210.1	209.6	225.3	183.1	232.9
VK [%]	5.6	4.4	8.6	5.2	3.6
KGD (5%)	9.2	19.1	ns	15.5	13.9
KGD (1%)	12.1	25.7	ns	20.6	18.4
Versuchs-Streuung	11.8	9.3	19.3	9.5	8.5
FG Fehlerterm	229.0	29.0	29.0	57.0	58.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	29135.2	29	7.16 ***	1.52	0.0000
Anbauorte	124110.2	4	221.20 ***	2.41	0.0000
WW Verf.*Anb.Orte	39086.6	116	2.40 ***	1.30	0.0002
Fehler	32121.0	229			
Insgesamt	224453.1	378			

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

Verfahren	8566 Ellighausen TG	3065 * Habstetten BE
Benedictio KWS	209.4 -----	146.1
SY Telias	200.5 -----	141.1
Severeen	202.1 -----	146.0
Amaroc	205.4 -----	172.4
LG 31237	194.3 -----	149.9
KWS Robertino	191.1 -----	140.3
LG 31245	197.3 -----	149.9
DKC 3204	176.9 ---	131.5
SY Invictus	180.5 ---	165.8
Micheleen	186.9 ----	171.4
ES Bond	221.0 -----	163.1
LZM270/58	192.9 -----	163.5
Clooney	221.7 -----	165.0
X80R603	208.2 -----	147.7
P8255	180.1 ---	146.2
Kimmich	165.9 -	151.4
SB1409	219.8 -----	159.2
SY Nomad	191.8 -----	167.4
KXC0326	216.5 -----	155.0
KXC1122	202.8 -----	155.4
KXC1133	210.5 -----	140.3
KXC1305	195.4 -----	136.3
KXC1315	213.0 -----	153.6
ES Traveler	214.0 -----	157.0
DKC 3410	198.1 -----	158.1
Akanto	188.3 -----	128.6
SY Talisman	200.8 -----	151.1
LG 31259	175.2 --	172.3
LG 31272	217.5 -----	169.1
DKC 3601	213.5 -----	147.6
-Bezugsgrösse(n)	203.7 -----	149.4
Versuchs-Mittel	199.7 -----	153.4
VK [%]	6.5	8.6
KGD (5%)	21.3	21.6
KGD (1%)	28.4	28.7
Versuchs-Streuung	13.0	13.2
FG Fehlerterm	56.0	58.0
Anz. Beob.	3.0	3.0

* Nicht in Auswertung berücksichtigt / pas pris en compte pour les mises en valeur.

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	36.0 -----	35.0 -----	37.0 ----	35.9 -----	34.9 -----
SY Telias	35.4 -----	32.5 ----	37.6 ----	35.7 -----	35.2 -----
Severeen	35.7 -----	36.3 -----	38.3 ----	34.6 ----	33.9 ----
Amaroc	36.9 -----	35.5 -----	39.5 -----	36.6 -----	34.8 -----
LG 31237	35.8 -----	35.2 -----	35.3 --	37.1 -----	34.7 -----
KWS Robertino	35.2 -----	35.0 -----	36.2 ---	35.7 -----	32.9 ----
LG 31245	35.5 -----	32.5 ----	38.4 ----	35.9 -----	34.6 -----
DKC 3204	36.6 -----	35.2 -----	35.7 --	35.9 -----	38.7 -----
SY Invictus	35.0 ----	34.8 -----	40.0 -----	34.9 -----	31.0 --
Micheleen	35.9 -----	34.1 -----	36.0 ---	37.5 -----	34.7 -----
ES Bond	34.6 ----	33.2 ----	35.1 --	35.0 -----	33.7 ----
LZM270/58	35.5 -----	33.7 ----	38.7 ----	36.8 -----	34.1 ----
Clooney	35.1 ----	35.0 -----	35.6 --	35.8 -----	32.7 ----
X80R603	35.4 ----	35.5 -----	37.3 ----	33.6 ---	34.6 ----
P8255	33.7 ---	32.4 ----	35.8 --	34.4 ----	29.8 -
Kimmich	36.5 -----	36.1 -----	38.8 ----	35.5 -----	36.1 -----
SB1409	34.9 ----	35.2 -----	36.7 ---	34.4 ----	32.9 ----
SY Nomad	33.9 ---	32.3 ----	35.1 --	35.5 -----	30.6 -
KXC0326	36.7 -----	34.0 -----	39.1 ----	36.8 -----	36.2 -----
KXC1122	36.7 -----	34.5 -----	38.7 ----	36.4 -----	35.8 -----
KXC1133	37.1 -----	35.8 -----	36.2 ---	37.6 -----	36.9 -----
KXC1305	37.7 -----	34.8 -----	44.2 -----	36.0 -----	36.4 -----
KXC1315	35.2 -----	33.8 ----	37.4 ----	35.4 -----	33.7 ----
ES Traveler	33.6 ---	31.9 ---	33.9 -	34.4 ----	33.5 ----
DKC 3410	35.1 ----	34.5 -----	34.8 --	34.9 -----	33.8 ----
Akanto	32.5 -	30.6 -	33.9 -	32.1 -	31.4 --
SY Talisman	35.5 -----	32.6 ----	39.1 ----	35.1 -----	35.1 -----
LG 31259	35.8 -----	36.3 -----	38.7 ----	35.0 -----	33.3 ----
LG 31272	34.2 ----	32.3 ----	36.0 ---	34.0 ----	31.6 ---
DKC 3601	35.8 -----	34.5 -----	40.2 -----	33.9 ----	34.5 ----
-Bezugsgrösse(n)	36.3 -----	35.9 -----	38.9 ----	35.6 -----	34.3 -----
Versuchs-Mittel	35.5 -----	34.2 -----	37.3 ----	35.4 -----	34.1 ----
VK [%]	3.7	4.1	6.2	3.4	3.7
KGD (5%)	0.9	2.9	ns	2.0	2.0
KGD (1%)	1.2	ns	ns	2.6	2.7
Versuchs-Streuung	1.3	1.4	2.3	1.2	1.3
FG Fehlerterm	286.0	29.0	29.0	56.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	600.3	29	12.28 ***	1.51	0.0000
Anbauorte	1442.2	5	171.14 ***	2.25	0.0000
WW Verf.*Anb.Orte	589.0	145	2.41 ***	1.26	0.0002
Fehler	482.0	286			
Insgesamt	3113.5	465			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	38.2	----	35.1	-----
SY Telias	37.7	----	33.9	-----
Severeen	37.7	----	33.4	-----
Amaroc	40.7	-----	34.2	-----
LG 31237	37.5	----	35.0	-----
KWS Robertino	38.2	----	33.1	-----
LG 31245	37.6	----	34.4	-----
DKC 3204	39.1	-----	35.0	-----
SY Invictus	37.8	----	31.9	--
Micheleen	38.6	-----	34.3	-----
ES Bond	36.4	--	34.0	-----
LZM270/58	35.7	-	33.7	-----
Clooney	38.5	-----	33.2	-----
X80R603	39.2	-----	32.4	----
P8255	37.1	---	32.6	----
Kimmich	39.1	-----	33.6	-----
SB1409	37.2	---	33.2	-----
SY Nomad	37.7	----	32.1	---
KXC0326	38.9	-----	34.9	-----
KXC1122	39.7	-----	34.8	-----
KXC1133	41.3	-----	34.6	-----
KXC1305	40.2	-----	34.9	-----
KXC1315	37.4	----	33.7	-----
ES Traveler	35.6	-	32.4	----
DKC 3410	39.5	-----	33.1	----
Akanto	35.5	-	31.2	-
SY Talisman	38.7	-----	32.5	----
LG 31259	38.0	----	33.7	-----
LG 31272	38.8	-----	32.6	----
DKC 3601	38.1	----	33.9	-----
-Bezugsgrösse(n)	39.2	-----	33.8	-----
Versuchs-Mittel	38.2	----	33.6	-----
VK [%]	2.9		2.1	
KGD (5%)	1.8		1.1	
KGD (1%)	2.4		1.5	
Versuchs-Streuung	1.1		0.7	
FG Fehlerterm	58.0		56.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	8193 Eglisau ZH
Benedictio KWS	146.6 -----	149.1 -----	144.3 ----	133.9 -----	159.8 -----
SY Telias	143.5 -----	140.9 -----	150.4 ----	135.7 -----	147.3 --
Severeen	147.7 -----	140.4 -----	150.8 ----	139.7 -----	165.1 -----
Amaroc	143.9 -----	132.1 --	156.5 -----	128.8 -----	156.0 ----
LG 31237	135.7 ---	122.1 -	134.4 --	129.9 -----	155.3 ----
KWS Robertino	144.0 -----	138.9 ----	150.3 ----	131.1 -----	162.1 -----
LG 31245	146.6 -----	132.7 ----	151.5 ----	138.8 -----	168.3 -----
DKC 3204	129.9 -	136.6 ----	129.0 --	114.8 ---	144.6 -
SY Invictus	144.0 -----	139.0 ----	157.4 -----	133.5 -----	162.8 -----
Micheleen	144.4 -----	134.7 ----	148.9 ----	136.3 -----	172.0 -----
ES Bond	149.0 -----	145.9 -----	148.4 ----	126.9 -----	169.7 -----
LZM270/58	148.2 -----	143.9 -----	172.3 -----	132.4 -----	156.6 ----
Clooney	150.0 -----	140.9 ----	161.7 ----	126.6 ----	167.7 -----
X80R603	148.0 -----	156.9 -----	151.0 ----	129.6 -----	157.9 ----
P8255	139.5 ----	132.5 ----	145.4 ----	126.3 ----	165.0 -----
Kimmich	135.2 ---	134.2 ----	158.9 -----	111.9 --	154.9 ----
SB1409	146.8 -----	138.5 ----	156.1 ----	127.9 -----	156.6 ----
SY Nomad	143.6 -----	139.5 -----	152.4 ----	134.2 -----	154.3 ----
KXC0326	151.8 -----	140.5 ----	164.5 -----	135.2 -----	166.9 -----
KXC1122	145.4 -----	141.9 ----	157.3 ----	132.7 -----	152.0 ---
KXC1133	141.6 ----	156.5 -----	122.7 -	133.5 -----	152.7 ----
KXC1305	143.0 -----	140.1 ----	137.4 ---	138.2 -----	158.6 ----
KXC1315	150.1 -----	147.1 -----	158.5 ----	133.6 -----	161.5 ----
ES Traveler	151.4 -----	149.3 -----	155.4 ----	135.1 -----	165.9 -----
DKC 3410	145.8 -----	145.1 -----	152.8 ----	137.4 -----	155.8 ----
Akanto	137.0 ---	137.5 ----	146.1 ----	107.7 -	159.1 ----
SY Talisman	149.5 -----	136.9 ----	171.7 -----	135.3 -----	158.0 ----
LG 31259	141.0 ----	135.0 ----	153.3 ----	126.4 ----	165.6 -----
LG 31272	154.6 -----	156.9 -----	163.4 ----	130.7 -----	172.5 -----
DKC 3601	156.5 -----	143.1 -----	191.5 -----	125.2 ----	171.7 -----
-Bezugsgrösse(n)	145.8 -----	136.2 ----	153.6 ----	134.3 -----	160.6 -----
Versuchs-Mittel	145.1 -----	141.0 -----	153.1 ----	130.3 -----	160.5 -----
VK [%]	6.3	5.4	9.5	5.8	4.4
KGD (5%)	7.1	15.7	ns	12.3	11.6
KGD (1%)	9.4	ns	ns	16.3	15.4
Versuchs-Streuung	9.2	7.7	14.5	7.5	7.1
FG Fehlerterm	229.0	29.0	29.0	57.0	58.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12690.4	29	5.17 ***	1.52	0.0000
Anbauorte	43525.6	4	128.65 ***	2.41	0.0000
WW Verf.*Anb.Orte	20273.3	116	2.07 ***	1.30	0.0004
Fehler	19368.7	229			
Insgesamt	95858.0	378			

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

Verfahren	8566	
	Ellighausen TG	
Benedictio KWS	145.8	-----
SY Telias	143.2	-----
Severeen	142.3	-----
Amaroc	145.9	-----
LG 31237	136.9	-----
KWS Robertino	137.7	-----
LG 31245	141.8	-----
DKC 3204	124.6	---
SY Invictus	127.1	---
Micheleen	130.2	----
ES Bond	154.0	-----
LZM270/58	135.7	-----
Clooney	153.1	-----
X80R603	144.7	-----
P8255	128.2	----
Kimmich	116.1	-
SB1409	154.9	-----
SY Nomad	137.9	-----
KXC0326	151.7	-----
KXC1122	143.0	-----
KXC1133	142.4	-----
KXC1305	140.6	-----
KXC1315	149.7	-----
ES Traveler	151.1	-----
DKC 3410	137.6	-----
Akanto	134.6	----
SY Talisman	145.3	-----
LG 31259	124.7	---
LG 31272	149.5	-----
DKC 3601	151.1	-----
-Bezugsgrösse(n)	144.1	-----
Versuchs-Mittel	140.7	-----
VK [%]	7.0	
KGD (5%)	16.1	
KGD (1%)	21.4	
Versuchs-Streuung	9.9	
FG Fehlerterm	56.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	8193 Eglisau ZH
Benedictio KWS	72.2 -----	74.0 -----	76.8 ----	64.4 -----	78.4 ---
SY Telias	73.7 -----	76.4 -----	82.0 -----	66.1 -----	76.0 -
Severeen	70.7 -----	68.8 ----	77.9 ----	62.8 -----	81.1 ----
Amaroc	71.5 -----	68.2 -----	84.4 -----	61.6 -----	76.2 -
LG 31237	63.3 -	56.2 -	68.0 -	57.4 ----	74.8 -
KWS Robertino	71.6 -----	67.3 ----	82.5 -----	62.6 -----	82.6 ----
LG 31245	70.4 -----	66.8 ----	73.9 ---	62.7 -----	83.1 -----
DKC 3204	61.9 -	58.9 -	66.4 -	51.8 ---	75.4 -
SY Invictus	68.3 ----	66.0 ----	82.6 -----	59.5 -----	80.4 ----
Micheleen	70.4 -----	63.0 ---	80.3 -----	67.1 -----	84.8 -----
ES Bond	72.6 -----	70.9 -----	75.9 ----	59.2 -----	85.8 -----
LZM270/58	77.0 -----	71.3 -----	99.5 -----	68.7 -----	81.9 ----
Clooney	74.9 -----	69.5 ----	89.9 -----	61.8 -----	83.7 ----
X80R603	70.3 ----	81.3 -----	75.0 ----	55.0 ---	80.0 ---
P8255	66.6 ----	68.1 ----	73.1 ---	58.1 ----	81.1 ----
Kimmich	65.9 ---	64.2 ---	84.3 -----	51.6 ---	77.9 --
SB1409	73.9 -----	71.4 -----	83.1 -----	63.5 -----	79.3 ---
SY Nomad	66.8 ----	64.3 ---	73.9 ---	61.9 -----	75.0 -
KXC0326	77.7 -----	71.0 -----	91.6 -----	68.6 -----	85.1 -----
KXC1122	70.8 ----	71.8 -----	82.6 -----	63.1 -----	75.0 -
KXC1133	73.0 -----	85.9 -----	65.0 -	67.8 -----	81.0 ----
KXC1305	74.6 -----	78.8 -----	72.0 ---	71.1 -----	85.2 -----
KXC1315	74.7 -----	72.6 ----	85.9 -----	65.8 -----	82.0 ----
ES Traveler	77.5 -----	81.9 -----	84.6 -----	67.7 -----	84.0 ----
DKC 3410	70.1 ----	73.1 ----	78.2 ----	64.6 -----	75.0 -
Akanto	67.9 ----	73.3 -----	78.4 ----	46.9 -	81.5 ----
SY Talisman	76.1 -----	67.9 ----	91.0 -----	70.7 -----	84.3 -----
LG 31259	67.9 ----	66.1 ----	73.2 ---	60.8 -----	85.8 -----
LG 31272	75.9 -----	77.8 -----	86.3 -----	61.0 ----	91.4 -----
DKC 3601	73.5 -----	69.2 ----	95.3 -----	56.7 ----	83.3 ----
-Bezugsgrösse(n)	71.1 -----	68.5 ----	81.1 ----	62.2 -----	78.6 ---
Versuchs-Mittel	71.4 -----	70.5 ----	80.4 ----	62.0 -----	81.0 ----
VK [%]	9.0	7.4	14.3	7.8	6.4
KGD (5%)	5.0	10.7	ns	8.0	8.5
KGD (1%)	6.6	14.4	ns	10.6	ns
Versuchs-Streuung	6.5	5.2	11.5	4.9	5.2
FG Fehlerterm	227.0	29.0	29.0	55.0	58.0
Anz. Beob.	13.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6167.2	29	5.11 ***	1.52	0.0000
Anbauorte	26149.1	4	157.08 ***	2.41	0.0000
WW Verf.*Anb.Orte	8558.8	116	1.77 ***	1.30	0.0009
Fehler	9447.4	227			
Insgesamt	50322.5	376			

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

Verfahren	8566	
	Ellighausen TG	
Benedictio KWS	67.4	-----
SY Telias	68.2	-----
Severeen	62.7	-----
Amaroc	67.2	-----
LG 31237	60.3	----
KWS Robertino	63.0	-----
LG 31245	65.3	-----
DKC 3204	57.1	---
SY Invictus	52.8	-
Micheleen	56.7	---
ES Bond	71.0	-----
LZM270/58	63.7	-----
Clooney	69.8	-----
X80R603	60.1	----
P8255	52.7	-
Kimmich	51.3	-
SB1409	72.4	-----
SY Nomad	59.2	---
KXC0326	72.1	-----
KXC1122	61.5	----
KXC1133	65.4	-----
KXC1305	66.1	-----
KXC1315	67.2	-----
ES Traveler	69.3	-----
DKC 3410	59.7	----
Akanto	59.2	----
SY Talisman	66.6	-----
LG 31259	53.5	--
LG 31272	63.3	-----
DKC 3601	62.8	-----
-Bezugsgrösse(n)	65.0	-----
Versuchs-Mittel	62.9	-----
VK [%]	9.4	
KGD (5%)	9.7	
KGD (1%)	12.8	
Versuchs-Streuung	5.9	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	688.5	673.5	683.5	729.3	649.0
SY Telias	694.7	682.5	675.5	724.7	671.7
Severeen	691.7	692.5	673.5	716.3	672.0
Amaroc	694.3	684.5	677.0	719.7	678.3
LG 31237	687.3	697.0	665.5	721.3	656.0
KWS Robertino	689.1	670.0	671.5	720.7	657.0
LG 31245	683.9	679.5	640.0	711.3	656.7
DKC 3204	686.5	666.0	682.0	722.3	656.7
SY Invictus	688.3	692.5	652.5	712.3	671.7
Micheleen	692.1	697.0	656.5	730.0	688.7
ES Bond	684.7	685.5	670.5	712.3	657.0
LZM270/58	685.2	671.0	678.5	720.3	667.7
Clooney	669.8	658.0	671.5	692.0	654.0
X80R603	686.3	672.5	689.5	698.7	674.7
P8255	692.7	672.5	697.5	716.7	651.0
Kimmich	681.8	653.5	690.5	704.7	645.0
SB1409	678.3	653.5	673.0	695.3	653.0
SY Nomad	686.7	663.0	694.5	706.7	658.3
KXC0326	686.6	651.5	692.5	722.0	667.7
KXC1122	702.4	689.5	713.5	740.0	680.3
KXC1133	673.0	664.5	680.5	708.7	635.7
KXC1305	689.4	678.5	634.0	745.3	652.7
KXC1315	685.4	665.5	679.5	714.3	657.3
ES Traveler	693.6	680.0	687.0	725.0	663.0
DKC 3410	684.8	668.5	681.5	716.3	660.3
Akanto	686.1	674.0	690.5	667.7	665.3
SY Talisman	695.6	673.5	711.0	701.7	659.0
LG 31259	674.6	653.0	668.5	687.3	654.3
LG 31272	685.0	672.0	701.5	699.3	648.0
DKC 3601	670.9	649.5	701.5	673.3	614.0
-Bezugsgrösse(n)	693.0	688.5	675.3	718.0	675.2
Versuchs-Mittel	686.3	672.8	679.5	711.9	659.2
VK [%]	2.4	2.6	2.5	2.4	2.7
KGD (5%)	11.6	ns	35.0	28.3	29.3
KGD (1%)	15.3	ns	ns	37.6	ns
Versuchs-Streuung	16.6	17.7	17.1	17.3	17.9
FG Fehlerterm	290.0	29.0	29.0	58.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	25391.8	29	3.16 ***	1.51	0.0001
Anbauorte	158149.3	5	114.30 ***	2.25	0.0000
WW Verf.*Anb.Orte	74739.6	145	1.86 ***	1.26	0.0006
Fehler	80250.0	290			
Insgesamt	338530.6	469			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	699.3	-----	696.3	-----
SY Telias	698.7	-----	715.0	-----
Severeen	692.0	-----	704.0	-----
Amaroc	694.7	-----	711.3	-----
LG 31237	678.7	----	705.3	-----
KWS Robertino	694.3	-----	721.3	-----
LG 31245	696.3	-----	719.3	-----
DKC 3204	686.3	-----	705.7	-----
SY Invictus	696.3	-----	704.3	-----
Micheleen	683.7	-----	696.7	-----
ES Bond	686.7	-----	696.3	-----
LZM270/58	670.7	---	703.0	-----
Clooney	653.7	-	689.3	---
X80R603	686.7	-----	695.7	-----
P8255	706.7	-----	711.7	-----
Kimmich	698.3	-----	698.7	-----
SB1409	690.0	-----	705.0	-----
SY Nomad	678.0	----	719.7	-----
KXC0326	685.0	-----	700.7	-----
KXC1122	685.7	-----	705.7	-----
KXC1133	672.0	---	676.7	-
KXC1305	706.3	-----	719.7	-----
KXC1315	693.3	-----	702.7	-----
ES Traveler	699.0	-----	707.3	-----
DKC 3410	687.0	-----	695.0	-----
Akanto	704.3	-----	715.0	-----
SY Talisman	705.0	-----	723.3	-----
LG 31259	671.7	---	713.0	-----
LG 31272	701.7	-----	687.3	---
DKC 3601	680.7	-----	706.3	-----
-Bezugsgrösse(n)	693.3	-----	707.7	-----
Versuchs-Mittel	689.4	-----	705.0	-----
VK [%]	2.2		2.2	
KGD (5%)	24.3		ns	
KGD (1%)	32.3		ns	
Versuchs-Streuung	14.8		15.5	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	336.1	333.5	364.5	351.3	301.7
SY Telias	355.0	370.0	368.5	353.0	337.7
Severeen	332.6	340.0	349.0	322.3	333.3
Amaroc	344.4	354.5	362.5	343.3	339.0
LG 31237	321.9	322.0	338.0	318.3	314.3
KWS Robertino	342.5	324.5	367.5	343.7	335.3
LG 31245	327.6	343.0	311.5	321.3	314.0
DKC 3204	327.2	287.0	352.0	326.3	317.3
SY Invictus	325.9	328.5	341.5	317.7	331.3
Micheleen	337.7	326.0	354.0	359.0	348.7
ES Bond	337.0	333.0	342.5	333.7	345.0
LZM270/58	357.1	332.0	392.0	373.7	365.3
Clooney	334.1	325.5	373.0	338.0	327.3
X80R603	325.9	348.5	342.5	296.0	331.7
P8255	329.3	345.0	350.5	329.3	310.3
Kimmich	326.8	313.0	366.0	321.0	301.3
SB1409	342.5	337.0	358.5	345.0	336.3
SY Nomad	318.7	306.0	337.0	325.0	305.0
KXC0326	353.5	329.5	385.5	367.0	357.3
KXC1122	340.9	348.5	374.5	352.3	328.3
KXC1133	344.5	364.5	359.0	359.3	318.3
KXC1305	357.1	381.5	329.0	384.0	331.0
KXC1315	338.8	328.0	367.0	352.0	318.0
ES Traveler	353.6	373.5	374.0	363.0	332.3
DKC 3410	329.9	336.5	348.0	336.7	325.7
Akanto	337.4	359.5	372.0	291.7	327.3
SY Talisman	350.6	334.0	376.0	366.3	320.3
LG 31259	321.8	320.0	319.0	330.7	306.3
LG 31272	336.1	333.0	371.0	326.7	323.0
DKC 3601	310.4	314.0	348.0	304.0	274.3
-Bezugsgrösse(n)	338.5	347.3	355.8	332.8	336.2
Versuchs-Mittel	336.6	336.4	356.5	338.4	325.2
VK [%]	6.5	6.2	8.4	5.6	7.9
KGD (5%)	15.3	42.8	ns	31.2	ns
KGD (1%)	20.2	ns	ns	41.5	ns
Versuchs-Streuung	22.0	20.9	29.8	19.1	25.7
FG Fehlerterm	288.0	29.0	29.0	56.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	67661.9	29	4.81 ***	1.51	0.0000
Anbauorte	90769.5	5	37.43 ***	2.25	0.0000
WW Verf.*Anb.Orte	87924.1	145	1.25 ns	1.26	
Fehler	139674.5	288			
Insgesamt	386030.0	467			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	343.0	----	322.3	-----
SY Telias	360.3	-----	340.7	-----
Severeen	339.7	---	311.3	-----
Amaroc	339.3	---	328.0	-----
LG 31237	327.3	-	311.3	-----
KWS Robertino	354.0	-----	330.0	-----
LG 31245	343.7	----	332.0	-----
DKC 3204	358.0	-----	322.7	-----
SY Invictus	344.0	----	292.3	-
Micheleen	337.0	---	301.7	---
ES Bond	347.0	-----	320.7	-----
LZM270/58	350.7	-----	329.0	-----
Clooney	326.3	-	314.3	-----
X80R603	348.0	-----	289.0	-
P8255	347.7	-----	292.7	-
Kimmich	351.3	-----	308.0	----
SB1409	349.0	-----	329.0	-----
SY Nomad	329.7	-	309.3	-----
KXC0326	349.0	-----	332.7	-----
KXC1122	338.3	---	303.3	---
KXC1133	356.7	-----	309.3	-----
KXC1305	379.0	-----	338.3	-----
KXC1315	352.0	-----	316.0	-----
ES Traveler	354.0	-----	324.7	-----
DKC 3410	330.7	-	302.0	---
Akanto	361.0	-----	313.0	-----
SY Talisman	376.0	-----	331.0	-----
LG 31259	348.7	-----	306.0	----
LG 31272	372.0	-----	291.0	-
DKC 3601	330.0	-	292.3	-
-Bezugsgrösse(n)	339.5	---	319.7	-----
Versuchs-Mittel	348.1	-----	314.8	-----
VK [%]	5.7		5.8	
KGD (5%)	ns		30.0	
KGD (1%)	ns		ns	
Versuchs-Streuung	19.9		18.4	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	164.6 --	178.5 ----	152.0 ---	151.0 ---	179.0 ----
SY Telias	162.0 -	169.0 --	161.5 -----	148.7 --	171.7 ---
Severeen	166.4 ---	169.0 --	161.5 -----	159.3 ----	169.3 --
Amaroc	166.2 ---	180.5 -----	161.5 -----	155.3 ----	166.0 --
LG 31237	167.9 ----	168.0 --	170.0 -----	159.0 ----	176.0 ----
KWS Robertino	169.4 ----	183.0 -----	165.5 -----	157.0 ----	175.0 ----
LG 31245	170.7 ----	185.5 -----	176.0 -----	165.3 -----	172.0 ---
DKC 3204	170.9 ----	195.5 -----	159.5 ----	164.7 -----	175.7 ----
SY Invictus	166.3 ---	177.5 ----	166.0 -----	160.0 ----	161.7 -
Micheleen	167.3 ---	176.0 ----	166.0 -----	151.0 ---	166.0 --
ES Bond	165.8 ---	178.5 ----	162.5 -----	159.0 ----	162.7 -
LZM270/58	162.9 -	182.5 -----	145.5 -	149.7 --	165.7 --
Clooney	173.9 -----	187.5 -----	165.5 -----	164.0 -----	176.7 ----
X80R603	171.5 -----	177.5 ----	166.5 -----	174.3 -----	165.7 --
P8255	168.6 ----	185.5 -----	161.5 -----	159.3 ----	171.3 ----
Kimmich	171.9 -----	192.0 -----	155.0 ----	167.7 -----	183.7 -----
SB1409	166.9 ---	182.0 ----	163.5 -----	157.0 ----	170.0 ---
SY Nomad	167.5 ----	185.5 -----	159.0 ----	158.0 ----	169.3 --
KXC0326	162.0 -	179.0 ----	147.5 -	151.7 ---	163.3 -
KXC1122	163.2 -	175.5 ----	146.5 -	153.0 ---	166.7 --
KXC1133	170.3 ----	174.0 ----	160.5 -----	158.3 ----	183.7 -----
KXC1305	163.0 -	164.5 -	177.0 -----	142.3 -	176.3 ----
KXC1315	165.8 ---	177.5 ----	160.5 -----	149.3 --	173.7 ----
ES Traveler	168.8 ----	172.0 ---	166.0 -----	158.3 ----	177.3 ----
DKC 3410	171.6 -----	179.0 ----	163.0 -----	161.0 ----	175.7 ----
Akanto	177.3 -----	184.5 -----	166.0 -----	186.0 -----	179.7 ----
SY Talisman	164.8 --	185.0 -----	155.0 ----	152.3 ---	180.3 ----
LG 31259	171.8 ----	184.5 -----	174.5 -----	162.7 ----	179.7 ----
LG 31272	172.9 ----	183.5 -----	162.5 -----	167.3 -----	184.3 -----
DKC 3601	180.6 -----	190.0 -----	166.5 -----	169.0 -----	202.7 -----
-Bezugsgrösse(n)	166.3 ---	174.8 ----	161.5 -----	157.3 ----	167.7 --
Versuchs-Mittel	168.4 ----	180.1 -----	162.1 -----	159.1 ----	174.0 ----
VK [%]	5.5	5.3	7.1	5.3	6.4
KGD (5%)	6.5	ns	ns	13.7	18.2
KGD (1%)	8.5	ns	ns	18.2	ns
Versuchs-Streuung	9.3	9.6	11.6	8.4	11.1
FG Fehlerterm	288.0	29.0	29.0	56.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	9026.3	29	3.62 ***	1.51	0.0001
Anbauorte	24720.6	5	57.48 ***	2.25	0.0000
WW Verf.*Anb.Orte	15988.1	145	1.28 ns	1.26	
Fehler	24771.1	288			
Insgesamt	74505.9	467			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	160.3	----	166.7	----
SY Telias	162.3	----	159.0	-
Severeen	167.0	-----	172.3	-----
Amaroc	166.7	-----	167.3	----
LG 31237	169.0	-----	165.3	---
KWS Robertino	168.3	-----	167.7	----
LG 31245	164.0	----	161.3	--
DKC 3204	162.7	----	167.3	----
SY Invictus	162.0	---	170.7	-----
Micheleen	169.0	-----	175.7	-----
ES Bond	163.3	----	168.7	----
LZM270/58	166.3	-----	167.7	----
Clooney	177.0	-----	173.0	-----
X80R603	164.0	----	181.0	-----
P8255	161.3	----	172.7	-----
Kimmich	162.7	----	170.3	-----
SB1409	162.3	----	166.3	----
SY Nomad	169.3	-----	164.0	---
KXC0326	164.3	----	166.0	----
KXC1122	164.7	----	172.7	-----
KXC1133	164.0	----	181.3	-----
KXC1305	153.7	-	164.3	---
KXC1315	161.3	---	172.7	-----
ES Traveler	167.0	-----	172.3	-----
DKC 3410	173.3	-----	177.3	-----
Akanto	172.0	-----	175.3	-----
SY Talisman	153.0	-	163.3	---
LG 31259	166.0	-----	163.3	---
LG 31272	159.0	---	180.7	-----
DKC 3601	176.0	-----	179.3	-----
-Bezugsgrösse(n)	166.8	-----	169.8	-----
Versuchs-Mittel	165.1	-----	170.2	-----
VK [%]	4.9		4.5	
KGD (5%)	ns		12.4	
KGD (1%)	ns		ns	
Versuchs-Streuung	8.0		7.6	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	373.1 -	403.0 -----	340.5 -	336.0 --	393.3 ---
SY Telias	374.3 -	388.0 ----	357.5 ---	345.0 ---	389.7 ---
Severeen	377.3 --	382.0 ---	360.0 ----	352.3 ----	378.7 ---
Amaroc	382.6 ---	412.0 -----	363.5 ----	352.0 ----	374.3 --
LG 31237	381.2 ---	385.0 ----	369.0 ----	350.7 ---	393.7 ---
KWS Robertino	386.8 -----	424.0 -----	361.5 ----	355.0 ----	388.3 ---
LG 31245	386.8 -----	410.0 -----	390.5 -----	369.0 ----	390.3 ---
DKC 3204	392.2 -----	434.5 -----	361.0 ----	365.0 ----	409.0 -----
SY Invictus	380.4 ---	403.0 -----	373.0 -----	361.3 ---	368.0 -
Micheleen	380.4 ---	390.0 -----	373.0 -----	333.7 --	376.7 --
ES Bond	371.3 -	391.5 -----	357.0 ---	339.3 --	362.0 -
LZM270/58	378.0 --	412.0 -----	346.5 --	334.7 --	378.0 ---
Clooney	394.2 -----	418.5 -----	376.5 -----	354.7 ---	391.0 ---
X80R603	400.6 -----	409.5 -----	377.5 -----	383.0 -----	391.0 ---
P8255	386.0 ----	407.5 -----	373.5 -----	343.3 ---	385.7 ---
Kimmich	396.9 -----	430.5 -----	366.0 ----	361.3 ---	421.7 -----
SB1409	387.9 -----	417.5 -----	384.5 -----	343.3 ---	388.7 ---
SY Nomad	386.3 ---	413.5 -----	368.5 ----	342.7 --	387.3 ---
KXC0326	378.3 --	403.0 -----	352.0 --	345.7 ---	373.3 --
KXC1122	372.9 -	371.0 --	340.5 -	341.7 ---	372.3 --
KXC1133	395.8 -----	385.5 ----	369.5 ----	365.3 ----	417.3 -----
KXC1305	376.0 --	361.5 -	403.5 -----	322.3 -	403.7 -----
KXC1315	379.0 ---	388.0 ----	365.5 ----	345.7 ---	380.3 ---
ES Traveler	382.8 ---	380.0 ---	369.5 ----	354.3 ---	395.0 ----
DKC 3410	387.0 ----	390.0 ----	374.0 ----	352.7 ---	391.3 ---
Akanto	400.7 -----	401.5 -----	369.5 -----	423.0 -----	404.7 -----
SY Talisman	376.9 --	401.5 -----	368.0 ----	349.0 ---	395.3 ----
LG 31259	394.2 -----	405.0 -----	406.0 -----	370.7 ----	389.3 ----
LG 31272	387.3 ----	391.0 ----	377.5 ----	372.0 ----	393.3 ----
DKC 3601	410.3 -----	423.0 -----	387.0 -----	381.7 ----	445.0 -----
-Bezugsgrösse(n)	379.9 ---	397.0 ----	361.8 ----	352.2 ---	376.5 --
Versuchs-Mittel	385.3 ----	401.1 -----	369.4 ----	354.9 ---	390.9 ---
VK [%]	4.9	4.9	4.9	5.1	5.7
KGD (5%)	13.1	ns	ns	29.8	36.4
KGD (1%)	17.2	ns	ns	39.6	ns
Versuchs-Streuung	18.8	19.7	18.2	18.2	22.3
FG Fehlerterm	290.0	29.0	29.0	58.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	42114.5	29	4.12 ***	1.51	0.0000
Anbauorte	142180.4	5	80.61 ***	2.25	0.0000
WW Verf.*Anb.Orte	81301.2	145	1.59 ns	1.26	
Fehler	102295.1	290			
Insgesamt	367891.2	469			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	382.7	----	383.3	--
SY Telias	390.3	-----	375.0	-
Severeen	394.7	-----	396.0	----
Amaroc	401.7	-----	392.0	----
LG 31237	402.7	-----	386.0	---
KWS Robertino	405.0	-----	387.0	---
LG 31245	389.3	----	371.7	-
DKC 3204	395.0	-----	388.7	---
SY Invictus	386.0	----	391.0	----
Micheleen	403.7	-----	405.7	-----
ES Bond	389.7	----	388.3	---
LZM270/58	409.3	-----	387.3	---
Clooney	420.0	-----	404.7	-----
X80R603	404.3	-----	438.0	-----
P8255	389.3	----	416.7	-----
Kimmich	391.0	-----	411.0	-----
SB1409	389.3	----	404.3	-----
SY Nomad	413.7	-----	392.0	----
KXC0326	397.0	-----	399.0	----
KXC1122	400.7	-----	411.0	-----
KXC1133	405.7	-----	431.7	-----
KXC1305	370.0	--	395.0	----
KXC1315	387.3	----	407.3	-----
ES Traveler	396.7	-----	401.3	----
DKC 3410	400.2	-----	414.0	-----
Akanto	393.7	-----	412.0	-----
SY Talisman	360.7	-	386.7	---
LG 31259	398.0	-----	396.3	----
LG 31272	370.3	--	419.3	-----
DKC 3601	407.0	-----	418.3	-----
-Bezugsgrösse(n)	398.2	-----	394.0	----
Versuchs-Mittel	394.8	-----	400.4	----
VK [%]	4.1		4.4	
KGD (5%)	26.5		28.9	
KGD (1%)	ns		38.5	
Versuchs-Streuung	16.2		17.7	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	57.2 ----	61.0 -----	51.0 -----	63.3 ----	49.0 ----
SY Telias	58.3 -----	63.0 -----	50.5 ----	66.3 -----	48.7 ----
Severeen	60.0 -----	60.0 ----	55.5 -----	69.3 -----	52.0 -----
Amaroc	55.9 ---	57.0 --	52.0 -----	62.3 ---	50.3 ----
LG 31237	59.2 -----	63.0 -----	54.0 -----	65.0 -----	51.3 ----
KWS Robertino	57.7 -----	57.5 ---	53.5 -----	62.7 ----	52.0 -----
LG 31245	55.3 --	61.5 -----	48.5 ----	63.7 -----	43.7 -
DKC 3204	57.3 ----	62.0 -----	52.0 ----	65.3 -----	46.7 ---
SY Invictus	54.6 -	58.0 ---	47.5 ----	61.0 ---	50.7 ----
Micheleen	57.5 -----	65.0 -----	53.5 -----	64.7 -----	51.3 ----
ES Bond	57.9 -----	66.0 -----	49.0 ----	63.0 ----	54.0 -----
LZM270/58	56.9 ----	60.5 ----	50.5 ----	64.0 -----	53.7 -----
Clooney	59.2 -----	63.0 -----	58.5 -----	64.7 -----	53.7 ----
X80R603	56.4 ---	59.0 ---	52.0 ----	63.3 ----	48.0 ----
P8255	57.2 ----	63.0 -----	51.5 ----	63.3 ----	51.3 ----
Kimmich	55.7 ---	55.5 -	50.5 ----	66.3 -----	49.3 ----
SB1409	57.8 -----	56.5 --	56.0 -----	61.0 ---	52.7 -----
SY Nomad	59.4 -----	62.5 -----	54.5 -----	63.3 ----	56.0 -----
KXC0326	55.5 --	56.5 --	51.0 ----	61.3 ----	50.7 ----
KXC1122	57.1 ----	65.5 -----	50.0 ----	64.0 -----	49.0 ----
KXC1133	57.3 ----	63.5 -----	53.5 -----	66.0 -----	46.0 --
KXC1305	55.4 --	63.5 -----	42.5 -	60.7 ---	50.7 ----
KXC1315	58.1 -----	60.0 ----	56.5 -----	63.7 ----	49.7 ----
ES Traveler	56.1 ---	57.5 ---	51.5 ----	61.7 ---	51.3 ----
DKC 3410	57.8 ----	59.5 ----	54.5 -----	60.0 --	54.7 ----
Akanto	59.2 -----	65.0 -----	52.0 ----	61.3 ----	57.7 -----
SY Talisman	59.5 -----	64.0 -----	59.5 -----	63.0 ----	50.3 ----
LG 31259	57.9 -----	61.5 ----	53.0 ----	60.3 ---	54.7 ----
LG 31272	56.8 ----	62.0 ----	55.5 ----	58.0 -	52.7 ----
DKC 3601	58.0 -----	61.0 ----	54.0 ----	62.3 ----	51.7 ----
-Bezugsgrösse(n)	58.0 -----	58.5 ---	53.8 -----	65.8 -----	51.2 -----
Versuchs-Mittel	57.4 ----	61.1 ----	52.5 ----	63.2 ----	51.1 ----
VK [%]	5.8	5.7	8.3	4.8	8.0
KGD (5%)	2.3	ns	ns	4.9	ns
KGD (1%)	3.1	ns	ns	ns	ns
Versuchs-Streuung	3.3	3.5	4.4	3.0	4.1
FG Fehlerterm	286.0	29.0	29.0	56.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	895.4	29	2.77 ***	1.51	0.0003
Anbauorte	9090.1	5	162.96 ***	2.25	0.0000
WW Verf.*Anb.Orte	2580.6	145	1.60 ns	1.26	
Fehler	3190.7	286			
Insgesamt	15756.8	465			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	62.0	-----	57.0	----
SY Telias	63.3	-----	58.0	-----
Severeen	62.3	-----	61.0	-----
Amaroc	55.7	---	58.0	-----
LG 31237	63.0	-----	58.7	-----
KWS Robertino	60.7	-----	60.0	-----
LG 31245	57.7	----	57.0	----
DKC 3204	59.0	-----	58.7	-----
SY Invictus	56.7	---	54.0	--
Micheleen	57.7	-----	53.0	-
ES Bond	60.7	-----	54.7	---
LZM270/58	58.3	-----	54.3	--
Clooney	56.7	---	58.7	-----
X80R603	56.0	---	60.0	-----
P8255	58.0	-----	56.0	----
Kimmich	56.0	----	56.3	-----
SB1409	59.3	-----	61.0	-----
SY Nomad	62.7	-----	57.7	-----
KXC0326	59.0	-----	54.7	---
KXC1122	57.7	-----	56.3	-----
KXC1133	57.3	-----	57.7	-----
KXC1305	60.7	-----	54.3	--
KXC1315	60.3	-----	58.3	-----
ES Traveler	59.0	-----	55.3	---
DKC 3410	59.8	-----	58.0	-----
Akanto	58.7	-----	60.3	-----
SY Talisman	59.0	-----	61.3	-----
LG 31259	61.3	-----	56.7	----
LG 31272	53.0	-	59.7	-----
DKC 3601	59.3	-----	59.7	-----
-Bezugsgrösse(n)	59.0	-----	59.5	-----
Versuchs-Mittel	59.0	-----	57.5	-----
VK [%]	3.9		5.2	
KGD (5%)	3.8		4.9	
KGD (1%)	5.0		ns	
Versuchs-Streuung	2.3		3.0	
FG Fehlerterm	58.0		56.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	6.2 ----	6.1 ----	6.1 ----	6.7 -----	5.8 ----
SY Telias	6.3 -----	6.2 -----	6.1 ----	6.6 -----	6.0 -----
Severeen	6.3 -----	6.3 -----	6.1 ----	6.6 -----	6.0 -----
Amaroc	6.3 -----	6.2 -----	6.1 ----	6.6 -----	6.1 -----
LG 31237	6.2 ----	6.3 -----	6.0 ----	6.6 -----	5.9 ----
KWS Robertino	6.2 ----	6.0 ----	6.1 ----	6.6 -----	5.9 ----
LG 31245	6.2 ----	6.2 -----	5.7 --	6.5 -----	5.9 ----
DKC 3204	6.2 ----	6.0 ----	6.2 -----	6.6 -----	5.9 ----
SY Invictus	6.2 ----	6.3 -----	5.8 --	6.5 -----	6.0 ----
Micheleen	6.3 -----	6.3 -----	5.9 --	6.7 -----	6.2 -----
ES Bond	6.2 ----	6.2 -----	6.1 ----	6.5 -----	5.9 ----
LZM270/58	6.2 ----	6.0 ----	6.1 ----	6.6 -----	6.0 ----
Clooney	6.0 -	5.9 --	6.0 ----	6.3 ----	5.9 ----
X80R603	6.2 ----	6.1 ----	6.2 -----	6.3 ----	6.1 -----
P8255	6.3 -----	6.1 ----	6.3 -----	6.5 -----	5.8 ----
Kimmich	6.1 ----	5.9 --	6.2 -----	6.4 ----	5.7 ----
SB1409	6.1 --	5.9 --	6.1 ----	6.3 ----	5.8 ----
SY Nomad	6.2 ----	6.0 ----	6.3 -----	6.4 ----	5.9 ----
KXC0326	6.2 ----	5.8 --	6.3 -----	6.6 -----	6.0 ----
KXC1122	6.4 -----	6.2 -----	6.5 -----	6.8 -----	6.2 -----
KXC1133	6.1 --	6.0 ----	6.1 ----	6.5 -----	5.7 ----
KXC1305	6.2 ----	6.1 ----	5.6 -	6.8 -----	5.8 ----
KXC1315	6.2 ----	6.0 ----	6.2 -----	6.5 -----	5.9 ----
ES Traveler	6.3 -----	6.1 ----	6.2 -----	6.6 -----	5.9 ----
DKC 3410	6.2 ----	6.0 ----	6.2 -----	6.5 -----	5.9 ----
Akanto	6.2 ----	6.1 ----	6.3 -----	6.0 -	6.0 -----
SY Talisman	6.3 -----	6.1 ----	6.5 -----	6.4 ----	5.9 ----
LG 31259	6.1 --	5.9 --	6.0 ----	6.2 --	5.8 ----
LG 31272	6.2 ----	6.0 ----	6.4 -----	6.3 ----	5.8 ----
DKC 3601	6.0 -	5.8 -	6.4 -----	6.1 -	5.4 -
-Bezugsgrösse(n)	6.3 -----	6.2 -----	6.1 ----	6.6 -----	6.1 -----
Versuchs-Mittel	6.2 ----	6.0 ----	6.1 ----	6.5 -----	5.9 ----
VK [%]	2.9	3.2	3.2	3.0	3.3
KGD (5%)	0.1	ns	0.4	0.3	0.3
KGD (1%)	0.2	ns	ns	0.4	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2	0.2
FG Fehlerterm	288.0	29.0	29.0	58.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3.1	29	3.23 ***	1.51	0.0001
Anbauorte	19.4	5	118.03 ***	2.25	0.0000
WW Verf.*Anb.Orte	8.9	145	1.86 ***	1.26	0.0006
Fehler	9.5	288			
Insgesamt	40.8	467			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	6.3	-----	6.3	----
SY Telias	6.3	-----	6.5	-----
Severeen	6.3	-----	6.4	-----
Amaroc	6.3	-----	6.5	-----
LG 31237	6.1	-----	6.4	-----
KWS Robertino	6.3	-----	6.6	-----
LG 31245	6.3	-----	6.6	-----
DKC 3204	6.2	-----	6.4	-----
SY Invictus	6.3	-----	6.4	-----
Micheleen	6.2	-----	6.3	-----
ES Bond	6.2	-----	6.3	-----
LZM270/58	6.0	---	6.4	-----
Clooney	5.8	-	6.2	---
X80R603	6.2	-----	6.3	---
P8255	6.4	-----	6.5	-----
Kimmich	6.3	-----	6.3	-----
SB1409	6.2	-----	6.4	-----
SY Nomad	6.1	-----	6.5	-----
KXC0326	6.2	-----	6.4	-----
KXC1122	6.2	-----	6.4	-----
KXC1133	6.0	---	6.1	-
KXC1305	6.4	-----	6.6	-----
KXC1315	6.3	-----	6.4	-----
ES Traveler	6.4	-----	6.4	-----
DKC 3410	6.2	-----	6.3	-----
Akanto	6.4	-----	6.5	-----
SY Talisman	6.4	-----	6.6	-----
LG 31259	6.0	---	6.5	-----
LG 31272	6.4	-----	6.2	---
DKC 3601	6.1	-----	6.4	-----
-Bezugsgrösse(n)	6.3	-----	6.4	-----
Versuchs-Mittel	6.2	-----	6.4	-----
VK [%]	2.5		2.6	
KGD (5%)	0.3		ns	
KGD (1%)	0.3		ns	
Versuchs-Streuung	0.2		0.2	
FG Fehlerterm	58.0		56.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1567 Delley FR	3065 Habstetten
Benedictio KWS	6.3 -----	6.2 -----	6.3 -----	6.9 -----	5.8 -----
SY Telias	6.4 -----	6.3 -----	6.2 -----	6.9 -----	6.1 -----
Severeen	6.4 -----	6.4 -----	6.2 -----	6.7 -----	6.1 -----
Amaroc	6.4 -----	6.3 -----	6.2 -----	6.8 -----	6.2 -----
LG 31237	6.3 -----	6.5 -----	6.0 -----	6.8 -----	5.9 -----
KWS Robertino	6.3 -----	6.1 -----	6.1 -----	6.8 -----	5.9 -----
LG 31245	6.3 -----	6.2 -----	5.7 -	6.7 -----	5.9 -----
DKC 3204	6.3 -----	6.1 -----	6.3 -----	6.8 -----	5.9 -----
SY Invictus	6.3 -----	6.4 -----	5.8 ---	6.7 -----	6.1 -----
Micheleen	6.4 -----	6.5 -----	5.9 ---	6.9 -----	6.3 -----
ES Bond	6.3 -----	6.3 -----	6.1 -----	6.7 -----	5.9 -----
LZM270/58	6.3 -----	6.1 -----	6.2 -----	6.8 -----	6.1 -----
Clooney	6.1 -	5.9 ---	6.1 -----	6.4 ---	5.9 -----
X80R603	6.3 -----	6.1 -----	6.4 -----	6.5 -----	6.2 -----
P8255	6.4 -----	6.1 -----	6.5 -----	6.8 -----	5.8 -----
Kimmich	6.3 -----	5.9 --	6.4 -----	6.6 -----	5.8 -----
SB1409	6.2 ---	5.9 --	6.1 -----	6.4 ---	5.8 -----
SY Nomad	6.3 -----	6.0 ---	6.4 -----	6.6 -----	5.9 -----
KXC0326	6.3 -----	5.8 -	6.4 -----	6.8 -----	6.1 -----
KXC1122	6.5 -----	6.4 -----	6.7 -----	7.1 -----	6.2 -----
KXC1133	6.1 --	6.0 -----	6.3 -----	6.6 -----	5.6 -----
KXC1305	6.4 -----	6.2 -----	5.6 -	7.2 -----	5.9 -----
KXC1315	6.3 -----	6.0 -----	6.2 -----	6.7 -----	5.9 -----
ES Traveler	6.4 -----	6.2 -----	6.3 -----	6.9 -----	6.0 -----
DKC 3410	6.3 -----	6.1 -----	6.3 -----	6.7 -----	6.0 -----
Akanto	6.3 -----	6.2 -----	6.4 -----	6.1 -	6.0 -----
SY Talisman	6.4 -----	6.2 -----	6.7 -----	6.5 -----	5.9 -----
LG 31259	6.2 --	5.9 --	6.1 -----	6.3 ---	5.9 -----
LG 31272	6.3 -----	6.1 -----	6.5 -----	6.5 -----	5.8 -----
DKC 3601	6.1 -	5.8 -	6.6 -----	6.2 --	5.3 -
-Bezugsgrösse(n)	6.4 -----	6.4 -----	6.2 -----	6.8 -----	6.2 -----
Versuchs-Mittel	6.3 -----	6.1 -----	6.2 -----	6.7 -----	5.9 -----
VK [%]	3.8	4.0	3.9	3.9	4.1
KGD (5%)	0.2	ns	0.5	0.4	0.4
KGD (1%)	0.2	ns	ns	0.6	ns
Versuchs-Streuung	0.2	0.2	0.2	0.3	0.2
FG Fehlerterm	290.0	29.0	29.0	58.0	58.0
Anz. Beob.	16.0	2.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5.0	29	3.09 ***	1.51	0.0002
Anbauorte	30.8	5	109.83 ***	2.25	0.0000
WW Verf.*Anb.Orte	14.7	145	1.80 ***	1.26	0.0007
Fehler	16.3	290			
Insgesamt	66.9	469			

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

Verfahren	8193		8566	
	Eglisau ZH		Ellighausen TG	
Benedictio KWS	6.5	-----	6.4	----
SY Telias	6.5	-----	6.7	-----
Severeen	6.4	-----	6.6	-----
Amaroc	6.4	-----	6.6	-----
LG 31237	6.2	----	6.6	-----
KWS Robertino	6.4	-----	6.8	-----
LG 31245	6.4	-----	6.8	-----
DKC 3204	6.3	-----	6.6	-----
SY Invictus	6.4	-----	6.5	----
Micheleen	6.3	-----	6.5	----
ES Bond	6.3	-----	6.4	----
LZM270/58	6.1	---	6.5	-----
Clooney	5.9	-	6.3	---
X80R603	6.3	-----	6.4	----
P8255	6.6	-----	6.7	-----
Kimmich	6.5	-----	6.5	-----
SB1409	6.4	-----	6.6	-----
SY Nomad	6.2	----	6.8	-----
KXC0326	6.3	-----	6.5	-----
KXC1122	6.3	-----	6.6	-----
KXC1133	6.1	----	6.1	-
KXC1305	6.6	-----	6.8	-----
KXC1315	6.4	-----	6.5	-----
ES Traveler	6.5	-----	6.6	-----
DKC 3410	6.3	-----	6.4	----
Akanto	6.5	-----	6.7	-----
SY Talisman	6.6	-----	6.8	-----
LG 31259	6.1	----	6.7	-----
LG 31272	6.5	-----	6.3	---
DKC 3601	6.2	-----	6.6	-----
-Bezugsgrösse(n)	6.4	-----	6.6	-----
Versuchs-Mittel	6.3	-----	6.6	-----
VK [%]	3.3		3.5	
KGD (5%)	0.3		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.2		0.2	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

4.3 Serie mittelspät / Série mi-tardive

4.3.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2021	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	04.06.2021	13.10.2021
1567	Delley (Avenches)	432	01.06.2021	29.09.2021 †
1896	Vouvry	404	01.06.2021	14.10.2021
3065	Habstetten	690	28.05.2021	26.10.2021 †
8046	Reckenholz	440	28.04.2021	nicht geerntet / pas récolté †
8196	Eglisau	395	14.05.2021	06.10.2021
8566	Ellighausen	503	02.06.2021	18.10.2021 †
9436	Balgach	408	01.06.2021	11.10.2021

† 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
Figaro KWS	KXB3329	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM21/S
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	KM21/e3	SM21/S
KWS Shako	KXB8202	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/S
KWS Inteligens	KXB8383	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e2
KWS Haiko	KXB9201	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e2
KWS Sabino	KXB9433	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e2
SY Amfora	SA2178	SC	Syngenta, CH	Syngenta, Stein		SM21/e2
P9610	X95M764	SC	Pioneer	Pioneer, Versoix		SM21/e2
	LZM370/45	TC	Limagrain, Europe	Fenaco, Moudon		SM21/e1
P8782	X90P836	SC	Pioneer	Pioneer, Versoix		SM21/e1
Purple	SM J0709	SC	DSV, D	Fenaco, Moudon	KM11/e1	SM21/e1
	KXC0151	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e1
	KXC0204	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e1
	KXC0337	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
	DFI7ZM3E734	TC	DSP, Delley	DSP, Delley		SM21/1.
Vitalico KWS	KXB6143	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/T
P9911	X00B109	SC	Pioneer	Pioneer, Versoix		SM21/T
Erasmus	SA2184	SC	Deutsche Saatveredelung AG	mehrere		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
SY Impulse	SB2215	SC	Syngenta, CH	Syngenta, Stein	KM21/T	SM21/T
Farmumba			von Moreau Saatzzucht, D	Samen Steffen, Wikon		FS
DKC 3990			Monsanto, USA	Bayer CropScience		FS

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

Technische Versuchsanlagen / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Avenches (433 m ü.M.)	Vouvry (380 m ü.M.)	Habstetten (690 m ü.M.)	Zürich-Altstern (440 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503 m ü.M.)	Balgach (408 m ü.M.)	
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Limono sableux (argile 22% - MO 2% - pH 5,0)	Sandiger Lehm, pH 6,2	Braunerde	Parabraunerde - sandiger Lehm bis Lehm	Braunerde	lehreicher Sand - lehmiger Schluff	
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest):	477,3 mm (Station: Changins)	475,1 mm (selon Agrométéo, station Praz)	464 mm (selon Agrométéo, station Aglie)	740,7 mm (Météostation Zäziwil) 1409,3 °C (Météostation Zäziwil)	1560,3 °C (Météostation Ellighausen)	653,6 mm (Météostation Kriessern)	653,6 mm (Météostation Ellighausen)	1946,1 °C (Météostation Kriessern)	
Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6 °C; Saat - Ernte/ semis - récolte / seeding - harvest):	1596,6 °C (Station: Changins)	1500,7 °C (selon Agrométéo, station Praz)	1501,2 °C (selon Agrométéo, station Aglie)	1409,3 °C (Météostation Zäziwil)	1560,3 °C (Météostation Ellighausen)	653,6 mm (Météostation Kriessern)	653,6 mm (Météostation Ellighausen)	1946,1 °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 parcelle / plot size:	46 x 11 m, mit 1,4m Weg (22 m ² brutto), 10 m ² netto	Semé: 17 m ² per single plot (tout, avec chemin d'environ 1,1 m), 14,4 m ² net, 4 rangs	46 x 11 m, mit 1,4m Weg (22 m ² brutto), 10 m ² netto	46 x 11 m, mit 1,4m Weg (22 m ² brutto), 10 m ² netto	15 m ² pro Plot brutto (46 x 11 m), mit 0,8m Weg, 6,3 m ² netto	15 m ² pro Plot brutto (46 x 11 m), mit 0,8m Weg, 6,3 m ² netto	15 m ² pro Plot brutto (46 x 11 m), mit 0,8m Weg, 6,3 m ² netto	15 m ² pro Plot brutto (46 x 11 m), mit 0,8m Weg, 6,3 m ² netto	
Vorrucht / précédent cultural / previous crop:	pois de printemps + engrais vert	Coiza	blé	orge	Kunstwiese / prairie temporaire / temporary grassland	Raps / Gründüngung Phacelia	Raps, Gründüngung	Kunstwiese / prairie temporaire / temporary grassland	
Bodenbearbeitung / travail du sol / soil cultivation:	Labour 25.11.20 herse à disque	03.05.21; Chisai; 30.05.21; Herse rotative	Pflug und Kreiselegge / charue et herse rotative / plough and rotary harrow 03.21 et 25.05.21	Pflug und Kreiselegge / charue et herse rotative / plough and rotary harrow	05.01.21 Pflug, 26.04.21 Kreiselegge	08.05.21 Pflügen, 13.05.21 Kreiselegge	Pflug, Kulturegge, Kreiselegge	10.05.21 Spaten, 14.05.21 Übereigen mit Kreiselegge, 29.05.21 Eggen mit Roboilier	
Saat / date de semis / sowing date:	04.06.2021	01.06.2021	01.06.2021	31.05.2021	28.04.2021	14.05.2021	02.06.2021	01.06.2021	
Ernte / date de récolte / harvest date:	13.10.2021	29.09.2021	14.10.2021	26.10.2021	aufgegeben	06.10.2021	18.10.2021	11.10.2021	
Saatdichte / densité de semis / sowing density:	9,1 Körner / grains pro m ²	Semé: 11,9 grains pro m ² , éclairci à 9,1 plantes/m ²	9,1 Körner / grains pro m ²	9,1 Körner / grains pro m ²	10,1 Körner / grains pro m ²	10,1 Körner / grains pro m ²	10,1 Körner / grains pro m ²	10,1 Körner / grains pro m ²	
Vegetationsdauer / durée de végétation / growing period	131 Tage / jours / days	120 jours	133 Tage / jours / days	148 Tage / jours / days	aufgegeben	145 Tage / jours / days	132 Tage / jours / days	132 Tage / jours / days	
Reihenabstand / interfiligues / 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:	-	-	-	-	15.06.21 hacken z wischen den Reihen gekoppelt mit Düngung	-	-	16.06.21 Reihenfräse	
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Roundup localisé 5,6l/ha (2.05.21); Garco Gold 4 l/ha; Banlag 93 l/ha, Elmis 1,3 l/ha (26.06.21)	28.05.21; Elmis 1,5 l/ha + Garco Gold 0,6 l/ha	22.05.21 Elmis 1,2l/ha et Garco Gold 2l/ha	14.06.21 Elmis 1 l/ha Spectrum 2l/ha, 03.06.21 Aspect 2l/ha + Laudis 2l/ha	31.05.21 Aspect 2l/ha + Laudis 2l/ha, 03.06.21 Aspect 2l/ha + Laudis 2l/ha	11.06.21 Spectrum Gold 3 l/ha + Laudis 1,3 l/ha	14.06.21 Laudis 2 l/ha + Banvel 46 0,9 l/ha	21.06.21 Titus 40 g/ha + Codacide 0,9 l/ha	
Grunddüngung / fumure de base / basic fertilisation:	Jus de compost 36 m ³ /ha 33,7/131 (29.09.20); 274 kg/ha super triple (46%); 126 kg P2O5/ha (05.03.21)	10.11.20; Kali60 (220 kg/ha K) + TopPhos (90 kg/ha P)	500 kg/ha (Landor 13,9, 16), 25.05.21 65 kg N/ha, 48 kg P2O5/ha, 80 kg K2O/ha	27.04.21; Kalf 60 %; 200 kg/ha; Granuphos 17 %; 310 kg/ha = 53 kg P/ha, 120 kg K/ha	27.04.21 Perika Kalisickstoff 20l/ha (358 kg N/ha)	16.04.21 Stappeminist 35 m ³ /ha (180 kg N/ha)	Stapelmist 20l/ha (90 kg N/ha)	14.05.21 Gülle 34 m ³ /ha (103,7 / 737 / 288,3 kg N/P/K/ha); 27.05.21 Kompost 10 t/ha (38 / 52,1 / 53,6 / 32,1 kg N/P/K/ha); 29.05.21 Lausamist 20m ³ /ha (26 l/ha (21 / 47 / 2,4/3 / 17,8 kg N/P/K/ha))	
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacus (25.05.20); 223 kg N/ha = 60 kg N/ha; Urea 444 kg (25.06.21); 130 kg N/ha = 60 kg N/ha	29.05.21; Harnstoff (135 kg N/ha)	14.06.21; 40,5 kg N/ha (ammonitrate 27,5%); 21.06.21; 78 kg N/ha (Harnstoff 46%)	14.06.21; 40,5 kg N/ha (ammonitrate 27,5%); 21.06.21; 78 kg N/ha (Harnstoff 46%)	15.06.21 Mg-Ammonsalpester 24%N (40,5 kg N/ha); 22.06.21 Harnstoff 46% 3,0l/ha (138 kg N/ha) vor dem Eggen	06.06.21 Ammonsalpester 1,5l/ha (40,5 kg N/ha); 22.06.21 Harnstoff 46% 3,0l/ha (138 kg N/ha) vor dem Eggen	14.16 kg N/ha (02.06.21)	93,2 kg N/ha (01.06.21)	
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	95,9 kg N/ha (0-60 cm; Saat/semis/seeding)	-	182 kg N/ha (0-60 cm; Saat/semis/seeding)	27 kg N/ha (0-60 cm; Saat/semis/seeding)	134,4 kg N/ha (28.04.21)	137,2 kg N/ha (17.06.21)	141,6 kg N/ha (02.06.21)	93,2 kg N/ha (01.06.21)	
Ernte / Récolte / harvest:	Baural Malshäcker / ensileuse	Baural Malshäcker / ensileuse	Baural Malshäcker / ensileuse	Baural Malshäcker / ensileuse	Baural Malshäcker / ensileuse	New Holland Versuchsmalshäcker	New Holland Versuchsmalshäcker	New Holland Versuchsmalshäcker	

4.3.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzella- g. Veg.	Wurzella- g. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
SY Emermax	S	6.84	-3.13	1.58	0.12				0.20	3.71	1.90	5.61
SY Amfora	e2	1.89	0.59	-0.48	-0.13				-0.23	2.48	-0.84	1.64
Purple	e1	4.19	-1.42	-1.64	-0.09				0.01	2.77	-1.72	1.05
P9610	e2	4.61	-1.72	-2.50	-0.03				0.11	2.89	-2.42	0.47
KXC0337	e1	0.88	-3.26	1.98	0.03				-0.02	-2.38	1.99	-0.39
LG 31280	T	-2.32	0.09	-0.60	-0.16				0.02	-2.23	-0.74	-2.97
SY Impulse	T	1.63	-5.61	1.89	-0.09				-1.08	-3.98	0.72	-3.26
LZM370/45	e1	-9.02	6.68	-1.03	-0.16				0.04	-2.34	-1.15	-3.49
KWS Sabino	e2	0.31	-4.13	0.25	0.10				-0.05	-3.82	0.30	-3.52
P8782	e1	-5.66	0.79	0.52	0.24				0.11	-4.87	0.87	-4.00
KXC0151	e1	-6.97	0.55	1.48	0.12				0.19	-6.42	1.79	-4.63
P8888	S	-6.84	3.13	-1.58	-0.12				-0.20	-3.71	-1.90	-5.61
P9911	T	1.63	-1.60	-6.20	0.05				0.09	0.03	-6.06	-6.03
P8666	S	-4.51	-1.62	0.43	0.05				-0.74	-6.13	-0.26	-6.39
P8834	T	6.36	-11.72	-1.07	-0.11				-0.11	-5.36	-1.29	-6.65
Figaro KWS	S	-5.61	-3.69	2.27	-0.03				0.22	-9.30	2.46	-6.84
KWS Intelligens	e2	-0.89	-0.92	-5.61	0.05				0.22	-1.81	-5.34	-7.15
DKC 3990	FS	-0.29	-5.74	-2.01	-0.05				0.07	-6.03	-1.99	-8.02
DF17ZM3E734	1.	-12.17	1.73	0.36	-0.05				0.19	-10.44	0.50	-9.94
P9363	T	0.71	-6.82	-4.42	0.14				-0.10	-6.11	-4.38	-10.49
Vitalico KWS	T	-7.44	-6.45	3.23	-0.16				0.16	-13.89	3.23	-10.66
KWS Haiko	e2	-10.91	-2.93	2.45	0.14				0.06	-13.84	2.65	-11.19
Erasmus	T	-4.41	-5.64	-2.60	0.03				-0.11	-10.05	-2.68	-12.73
KWS Shako	S	-5.17	-6.49	-1.55	-0.18				-0.27	-11.66	-2.00	-13.66
Farmumba	FS	-5.49	-9.37	0.30	-0.24				0.00	-14.86	0.06	-14.80
KXC0204	e1	-13.42	-7.20	1.79	0.03				-0.21	-20.62	1.61	-19.01
SY Glorius	S	-12.57	-6.58	0.52	-0.16				-0.53	-19.15	-0.17	-19.32
LG 31479	T	4.71	-19.42	-6.36	0.12				-0.79	-14.71	-7.03	-21.74
Bezugsgrößen		0.00	0.00	0.00	0.00				0.00	0.00	0.00	0.00
Anz. Beob.		10	10	10	10				8			
Anz. Orte		4	4	4	4				3			
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 %	Helmin- thosp. 1. Bon. Note	Beulen- brand %	Effekt. Best. dichte Pfl./m2
Figaro KWS	4.8	67.5	67.4	278.4	120.7	43.3	1.0	0.0	8.2
P8666	4.6	71.4	71.7	277.7	122.1	44.0	1.7	5.1	7.6
P8888	4.9	69.9	70.2	302.3	123.0	40.7	1.7	2.3	7.8
SY Glorius	5.0	68.6	67.8	280.6	111.0	39.4	1.7	4.0	7.3
SY Enermax	4.5	70.8	71.0	302.2	118.3	39.2	2.0	0.1	7.9
KWS Shako	5.0	70.6	70.3	291.8	107.7	36.8	3.0	2.6	8.3
KWS Inteligens	4.6	72.4	72.0	282.3	100.7	35.4	1.0	0.0	7.7
KWS Haiko	4.4	70.3	70.7	276.1	120.9	43.6	2.3	0.9	8.4
KWS Sabino	4.5	73.3	72.9	273.3	114.7	42.0	2.7	1.4	8.1
SY Amfora	5.0	69.8	69.1	285.0	117.9	41.3	1.7	2.4	8.4
P9610	4.8	72.8	72.8	286.1	114.5	39.9	1.0	0.6	8.1
LZM370/45	5.0	73.1	72.4	308.4	127.2	41.1	1.3	1.0	7.9
P8782	4.2	71.1	71.1	298.9	118.9	39.7	2.3	0.6	7.6
Purple	4.9	67.8	67.7	292.2	122.6	41.8	2.0	1.2	7.7
KXC0151	4.5	68.8	69.5	284.8	113.9	39.9	1.0	0.2	8.0
KXC0204	4.6	71.4	71.2	279.3	115.1	41.1	2.0	2.3	8.4
KXC0337	4.6	66.6	66.2	271.1	95.9	35.1	1.0	1.3	8.4
DFI7ZM3E734	4.8	70.4	70.0	307.0	119.8	38.9	1.7	0.2	7.8
Vitalico KWS	5.0	69.0	68.9	284.4	118.7	41.7	1.0	0.3	8.2
P9911	4.6	73.7	73.7	261.1	105.9	40.5	1.0	0.7	7.8
Erasmus	4.6	69.8	69.4	281.7	123.1	43.7	2.7	1.8	7.6
LG 31280	5.0	68.4	67.9	290.4	112.0	38.5	1.0	1.1	8.0
LG 31479	4.5	73.9	73.6	279.2	116.7	41.8	1.0	5.4	8.2
P8834	4.9	70.9	71.2	265.5	126.6	47.7	1.0	1.8	7.6
P9363	4.4	72.8	73.2	272.9	112.1	40.9	1.0	1.7	8.0
SY Impulse	4.9	70.6	70.7	289.8	124.7	43.0	1.0	6.9	8.1
Farmumba	5.2	69.0	68.8	272.9	119.1	43.6	2.0	1.2	8.5
DKC 3990	4.8	73.4	73.0	295.7	132.8	44.9	1.3	0.8	7.8
Bezugsgrösse(n)	4.7	70.4	70.6	302.3	120.6	39.9	1.8	1.2	7.8
Versuchs-Mittel	4.7	70.6	70.5	284.7	117.0	41.1	1.6	1.7	8.0
VK [%]	12.0	1.4	1.2	4.0	9.8	9.2	36.1	132.5	5.8
KGD (5%)	0.5	1.0	0.9	11.3	11.4	3.7	0.9	2.2	0.4
KGD (1%)		1.3	1.1	14.9	15.0	4.9	1.2	3.0	0.5
Versuchs-Streuung	0.6	1.0	0.9	11.4	11.5	3.8	0.6	2.3	0.5
FG Fehlerterm	162.0	135.0	135.0	135.0	135.0	135.0	54.0	135.0	162.0
Anz. Beob.	10.0	8.0	8.0	8.0	8.0	8.0	3.0	8.0	10.0
Anz. Orte	4.0	3.0	3.0	3.0	3.0	3.0	1.0	3.0	4.0
Minimum	4.2	66.6	66.2	261.1	95.9	35.1	1.0	0.0	7.3
Maximum	5.2	73.9	73.7	308.4	132.8	47.7	3.0	6.9	8.5

Sorten Bezeichnung	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg	Stärke Gehalt NIR g/kg	Rohfaser Gehalt NIR g/kg
Figaro KWS	562.7	214.7	38.3	149.2	77.3	696.8	360.8	158.1
P8666	596.7	218.9	36.9	152.9	78.9	699.5	360.1	161.9
P8888	649.9	228.4	35.3	157.9	79.0	693.7	346.1	167.6
SY Glorius	568.5	208.9	36.9	141.7	71.0	679.3	340.8	168.9
SY Enermax	572.4	215.8	37.8	156.9	84.2	727.9	389.4	154.0
KWS Shako	599.2	209.1	35.3	145.8	73.7	697.8	352.0	168.0
KWS Inteligens	687.9	220.2	32.0	155.3	80.2	708.5	365.6	170.8
KWS Haiko	564.3	216.2	38.5	147.8	80.0	683.5	370.2	165.7
KWS Sabino	583.9	213.8	36.7	152.1	82.3	711.5	384.8	161.3
SY Amfora	621.1	223.3	36.1	159.6	82.0	715.5	366.8	155.7
P9610	634.9	218.7	34.5	155.2	81.6	722.3	379.3	163.3
LZM370/45	664.2	235.4	35.7	161.8	77.3	688.2	328.8	176.4
P8782	607.5	223.7	36.9	155.6	78.9	696.6	352.0	169.5
Purple	626.0	219.3	35.2	157.8	85.0	721.3	386.5	149.9
KXC0151	595.8	223.2	37.7	154.5	83.0	693.3	372.8	165.9
KXC0204	551.7	207.7	38.0	140.8	70.8	677.2	340.3	176.0
KXC0337	572.2	215.6	38.1	153.8	86.2	713.0	399.0	147.4
DFI7ZM3E734	614.8	225.5	36.8	153.7	72.7	680.3	322.1	174.8
Vitalico KWS	537.1	209.2	39.1	144.6	77.7	692.2	371.7	159.5
P9911	694.5	218.9	31.6	156.4	81.6	714.8	370.7	161.4
Erasmus	615.1	210.8	34.4	147.3	75.1	699.8	355.2	154.3
LG 31280	618.4	222.3	36.1	156.4	86.6	705.0	389.1	149.8
LG 31479	581.7	183.3	31.4	132.0	68.1	722.5	371.8	160.7
P8834	557.7	198.7	35.7	143.6	79.7	726.7	403.6	157.3
P9363	632.8	208.5	33.0	148.1	79.5	712.5	381.1	161.2
SY Impulse	557.7	210.9	38.0	150.4	79.3	714.8	376.0	156.6
Farmumba	554.7	203.4	36.8	141.5	77.5	697.0	381.7	153.5
DKC 3990	605.4	210.6	34.9	148.9	78.9	710.0	371.7	164.3
Bezugsgrösse(n)	611.1	222.1	36.5	157.4	81.6	710.8	367.7	160.8
Versuchs-Mittel	601.0	214.8	36.0	150.8	78.9	703.6	367.5	161.9
VK [%]	6.9	8.4	4.8	9.7	12.5	2.9	6.9	6.7
KGD (5%)	36.7	15.9	1.5	12.9	8.7	18.3	22.3	9.6
KGD (1%)	48.4	21.0	2.0	17.0	11.5	24.2	29.5	12.7
Versuchs-Streuung	41.5	18.0	1.7	14.6	9.8	20.7	25.3	10.9
FG Fehlerterm	161.0	161.0	162.0	160.0	160.0	161.0	161.0	161.0
Anz. Beob.	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Anz. Orte	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum	537.1	183.3	31.4	132.0	68.1	677.2	322.1	147.4
Maximum	694.5	235.4	39.1	161.8	86.6	727.9	403.6	176.4

Sorten Bezeichnung	NDF Gehalt NIR g/kg	Rohprotein Gehalt NIR g/kg	NEL Gehalt MJ/kg	NEV Gehalt MJ/kg	Aschen Gehalt NIR g/kg
Figaro KWS	366.3	59.3	6.3	6.5	25.7
P8666	383.0	59.4	6.3	6.5	28.6
P8888	387.8	60.6	6.3	6.4	28.3
SY Glorius	396.8	59.6	6.1	6.2	30.1
SY Enermax	362.4	54.8	6.6	6.9	25.5
KWS Shako	385.5	56.3	6.3	6.5	29.8
KWS Inteligens	382.6	59.6	6.4	6.6	28.6
KWS Haiko	381.3	59.9	6.2	6.3	28.1
KWS Sabino	377.0	57.1	6.5	6.7	28.3
SY Amfora	365.5	59.2	6.5	6.7	27.0
P9610	376.5	57.1	6.6	6.8	27.3
LZM370/45	404.8	60.9	6.2	6.3	27.6
P8782	389.8	61.2	6.3	6.5	29.4
Purple	348.5	63.9	6.6	6.8	26.3
KXC0151	379.3	61.1	6.3	6.4	27.0
KXC0204	400.8	58.5	6.1	6.2	30.2
KXC0337	347.8	61.8	6.5	6.7	26.3
DFI7ZM3E734	402.0	64.1	6.1	6.2	29.3
Vitalico KWS	369.6	59.8	6.3	6.4	26.0
P9911	368.7	60.3	6.5	6.7	27.8
Erasmus	357.9	63.8	6.4	6.5	27.6
LG 31280	356.5	60.7	6.4	6.6	26.7
LG 31479	360.0	59.0	6.6	6.8	28.5
P8834	364.5	58.6	6.6	6.9	26.6
P9363	366.1	58.3	6.5	6.7	28.8
SY Impulse	365.1	57.8	6.5	6.7	24.6
Farmumba	359.8	59.1	6.3	6.5	27.1
DKC 3990	390.9	57.3	6.5	6.7	26.7
Bezugsgrösse(n)	375.1	57.7	6.5	6.7	26.9
Versuchs-Mittel	374.9	59.6	6.4	6.6	27.6
VK [%]	5.7	4.9	3.6	4.6	7.4
KGD (5%)	18.7	2.6	0.2	0.3	1.8
KGD (1%)	24.7	3.4	0.3	0.4	2.4
Versuchs-Streuung	21.2	2.9	0.2	0.3	2.0
FG Fehlerterm	161.0	161.0	161.0	161.0	161.0
Anz. Beob.	10.0	10.0	10.0	10.0	10.0
Anz. Orte	4.0	4.0	4.0	4.0	4.0
Minimum	347.8	54.8	6.1	6.2	24.6
Maximum	404.8	64.1	6.6	6.9	30.2

4.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	4.8 ----	5.5 -----	5.3 ----	3.7 ----	4.5 -----
P8666	4.6 ----	4.5 ---	4.3 --	4.0 -----	5.5 -----
P8888	4.9 -----	5.5 -----	5.3 -----	4.3 -----	4.5 -----
SY Glorius	5.0 -----	6.0 -----	6.0 -----	4.0 -----	4.0 ----
SY Enermax	4.5 ---	5.0 -----	4.3 --	4.0 -----	4.5 -----
KWS Shako	5.0 -----	5.0 -----	5.0 ----	4.7 -----	5.5 -----
KWS Inteligens	4.6 ----	4.0 -	5.0 ----	4.3 -----	5.0 -----
KWS Haiko	4.4 ---	5.0 -----	5.0 ----	4.7 -----	3.0 -
KWS Sabino	4.5 ----	5.0 -----	5.0 ----	4.0 -----	4.0 ----
SY Amfora	5.0 -----	6.0 -----	5.7 -----	4.7 -----	3.5 ---
P9610	4.8 ----	4.5 ---	4.3 --	4.7 -----	5.5 -----
LZM370/45	5.0 -----	6.0 -----	5.3 -----	4.7 -----	4.0 ----
P8782	4.2 -	5.0 -----	4.3 --	4.0 -----	3.5 ---
Purple	4.9 -----	6.0 -----	5.3 -----	3.7 ----	4.5 -----
KXC0151	4.5 ---	4.5 ---	4.7 ---	4.7 -----	4.0 ----
KXC0204	4.6 ----	4.5 ---	4.3 --	4.7 -----	5.0 -----
KXC0337	4.6 ----	5.5 -----	5.3 -----	4.7 -----	3.0 -
DFI7ZM3E734	4.8 -----	6.0 -----	6.7 -----	3.0 -	3.5 ---
Vitalico KWS	5.0 -----	5.0 -----	5.3 -----	4.7 -----	5.0 -----
P9911	4.6 ----	5.0 -----	4.0 -	4.3 -----	5.0 -----
Erasmus	4.6 ----	6.0 -----	5.0 ----	4.0 -----	3.5 ---
LG 31280	5.0 -----	6.0 -----	5.3 -----	3.7 ----	5.0 -----
LG 31479	4.5 ---	4.0 -	4.0 -	4.3 -----	5.5 -----
P8834	4.9 -----	5.0 -----	4.7 ---	5.0 -----	5.0 -----
P9363	4.4 ---	4.5 ---	4.3 --	4.3 -----	4.5 -----
SY Impulse	4.9 -----	5.0 -----	5.0 ----	5.0 -----	4.5 -----
Farmumba	5.2 -----	5.5 -----	6.3 -----	3.3 --	5.5 -----
DKC 3990	4.8 ----	4.5 ---	4.7 ---	5.0 -----	5.0 -----
-Bezugsgrösse(n)	4.7 -----	5.3 -----	4.8 ----	4.2 -----	4.5 -----
Versuchs-Mittel	4.7 ----	5.1 -----	5.0 ----	4.3 -----	4.5 -----
VK [%]	12.0	8.5	8.6	11.3	21.3
KGD (5%)	0.5	0.9	0.7	0.8	ns
KGD (1%)	ns	1.2	0.9	1.1	ns
Versuchs-Streuung	0.6	0.4	0.4	0.5	1.0
FG Fehlerterm	162.0	27.0	54.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	15.9	27	1.82 *	1.56	0.0124
Anbauorte	35.2	3	36.15 ***	2.66	0.0000
WW Verf.*Anb.Orte	99.1	81	3.77 ***	1.36	0.0000
Fehler	52.5	162			
Insgesamt	202.6	273			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH
Figaro KWS	67.5 --	61.5 -	68.3 --	72.7 --
P8666	71.4 -----	67.5 -----	71.7 -----	75.0 -----
P8888	69.9 ----	65.5 -----	68.7 ---	75.7 -----
SY Glorius	68.6 ---	63.0 ---	69.0 ---	73.7 ---
SY Enermax	70.8 -----	65.5 -----	71.7 -----	75.3 -----
KWS Shako	70.6 -----	65.5 -----	71.3 -----	75.0 -----
KWS Inteligens	72.4 -----	67.0 -----	73.3 -----	77.0 -----
KWS Haiko	70.3 -----	66.0 -----	70.0 ----	75.0 -----
KWS Sabino	73.3 -----	68.0 -----	74.0 -----	78.0 -----
SY Amfora	69.8 ----	63.5 ----	71.3 -----	74.7 ----
P9610	72.8 -----	68.0 -----	73.3 -----	77.0 -----
LZM370/45	73.1 -----	67.5 -----	74.0 -----	77.7 -----
P8782	71.1 -----	66.5 -----	71.0 ----	75.7 ----
Purple	67.8 --	63.0 ---	67.3 -	73.0 --
KXC0151	68.8 ---	63.5 ----	69.0 ---	74.0 ---
KXC0204	71.4 -----	66.5 -----	71.3 -----	76.3 -----
KXC0337	66.6 -	61.0 -	66.7 -	72.0 -
DFI7ZM3E734	70.4 -----	65.5 -----	70.3 -----	75.3 -----
Vitalico KWS	69.0 ----	64.0 ----	69.0 ---	74.0 ----
P9911	73.7 -----	68.0 -----	74.3 -----	78.7 -----
Erasmus	69.8 ----	64.0 ----	71.0 ----	74.3 ----
LG 31280	68.4 ---	63.5 ----	69.0 ---	72.7 --
LG 31479	73.9 -----	68.0 -----	75.7 -----	78.0 -----
P8834	70.9 -----	65.5 -----	70.7 ----	76.7 ----
P9363	72.8 -----	68.0 -----	73.7 -----	76.7 -----
SY Impulse	70.6 -----	65.5 -----	70.3 ----	76.0 ----
Farmumba	69.0 ----	64.0 ----	68.3 --	74.7 ----
DKC 3990	73.4 -----	68.0 -----	74.3 -----	78.0 -----
-Bezugsgrösse(n)	70.4 -----	65.5 -----	70.2 ----	75.5 -----
Versuchs-Mittel	70.6 -----	65.5 -----	71.0 -----	75.5 -----
VK [%]	1.4	1.4	1.6	1.2
KGD (5%)	1.0	1.9	1.9	1.5
KGD (1%)	1.3	2.5	2.5	2.0
Versuchs-Streuung	1.0	0.9	1.1	0.9
FG Fehlerterm	135.0	27.0	54.0	54.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	874.5	27	31.86 ***	1.57	0.0000
Anbauorte	3740.4	2	1839.37 ***	3.06	0.0000
WW Verf.*Anb.Orte	75.2	54	1.37 ns	1.43	0.0747
Fehler	137.3	135			
Insgesamt	4827.4	218			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH
Figaro KWS	67.4 --	60.5 --	67.3 --	74.3 ---
P8666	71.7 -----	67.0 -----	71.3 -----	76.7 -----
P8888	70.2 -----	65.0 -----	69.0 ----	76.7 -----
SY Glorius	67.8 ---	61.0 ---	68.0 ---	74.3 ---
SY Enermax	71.0 -----	65.0 -----	71.0 -----	77.0 -----
KWS Shako	70.3 -----	64.5 -----	70.3 -----	76.0 ----
KWS Inteligens	72.0 -----	66.0 -----	71.7 -----	78.3 -----
KWS Haiko	70.7 -----	66.5 -----	69.3 ----	76.3 ----
KWS Sabino	72.9 -----	67.0 -----	72.7 -----	79.0 -----
SY Amfora	69.1 ----	62.0 ----	70.3 -----	75.0 ----
P9610	72.8 -----	67.0 -----	73.0 -----	78.3 -----
LZM370/45	72.4 -----	66.5 -----	72.3 -----	78.3 -----
P8782	71.1 -----	65.5 -----	70.3 -----	77.3 -----
Purple	67.7 ---	62.0 ----	67.0 -	74.0 --
KXC0151	69.5 ----	63.5 ----	69.3 ----	75.7 ----
KXC0204	71.2 -----	65.5 -----	70.7 -----	77.3 -----
KXC0337	66.2 -	59.5 -	66.3 -	72.7 -
DFI7ZM3E734	70.0 -----	65.0 -----	69.0 ----	76.0 ----
Vitalico KWS	68.9 ----	63.0 ----	68.0 ---	75.7 ----
P9911	73.7 -----	67.0 -----	73.7 -----	80.3 -----
Erasmus	69.4 ----	62.0 ----	70.3 -----	76.0 ----
LG 31280	67.9 ---	62.0 ----	68.0 ---	73.7 --
LG 31479	73.6 -----	67.0 -----	74.3 -----	79.3 -----
P8834	71.2 -----	65.5 -----	70.3 -----	77.7 -----
P9363	73.2 -----	67.0 -----	74.0 -----	78.7 -----
SY Impulse	70.7 -----	64.5 -----	70.0 -----	77.7 -----
Farmumba	68.8 ----	63.0 ----	68.0 ---	75.3 ----
DKC 3990	73.0 -----	67.0 -----	73.7 -----	78.3 -----
-Bezugsgrösse(n)	70.6 -----	65.0 -----	70.0 -----	76.8 -----
Versuchs-Mittel	70.5 -----	64.5 -----	70.3 -----	76.6 -----
VK [%]	1.2	1.2	1.4	1.0
KGD (5%)	0.9	1.6	1.6	1.3
KGD (1%)	1.1	2.2	2.2	1.7
Versuchs-Streuung	0.9	0.8	1.0	0.8
FG Fehlerterm	135.0	27.0	54.0	54.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	906.7	27	43.61 ***	1.57	0.0000
Anbauorte	5475.7	2	3555.56 ***	3.06	0.0000
WW Verf.*Anb.Orte	84.4	54	2.03 ***	1.43	0.0009
Fehler	104.0	135			
Insgesamt	6570.8	218			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		8193 Eglisau ZH	
Figaro KWS	278.4	----	257.5	--	296.7	-----	281.0	-----
P8666	277.7	----	270.0	----	278.3	--	284.7	-----
P8888	302.3	-----	300.0	-----	305.0	-----	302.0	-----
SY Glorius	280.6	----	267.5	----	295.0	-----	279.3	----
SY Enermax	302.2	-----	300.0	-----	300.0	-----	306.7	-----
KWS Shako	291.8	-----	292.5	-----	295.0	-----	288.0	-----
KWS Inteligens	282.3	----	265.0	---	286.7	----	295.3	-----
KWS Haiko	276.1	----	270.0	----	288.3	----	270.0	---
KWS Sabino	273.3	---	272.5	----	278.3	--	269.0	---
SY Amfora	285.0	-----	275.0	-----	293.3	-----	286.7	-----
P9610	286.1	-----	277.5	-----	295.0	-----	285.7	-----
LZM370/45	308.4	-----	295.0	-----	318.3	-----	312.0	-----
P8782	298.9	-----	290.0	-----	305.0	-----	301.7	-----
Purple	292.2	-----	282.5	-----	301.7	-----	292.3	-----
KXC0151	284.8	-----	282.5	-----	295.0	-----	277.0	----
KXC0204	279.3	----	262.5	---	290.0	-----	285.3	-----
KXC0337	271.1	---	252.5	-	280.0	---	280.7	----
DFI7ZM3E734	307.0	-----	280.0	-----	320.0	-----	321.0	-----
Vitalico KWS	284.4	-----	267.5	----	293.3	-----	292.3	-----
P9911	261.1	-	255.0	-	273.3	-	255.0	-
Erasmus	281.7	----	280.0	-----	288.3	----	276.7	----
LG 31280	290.4	-----	292.5	-----	293.3	-----	285.3	-----
LG 31479	279.2	----	277.5	-----	278.3	--	281.7	-----
P8834	265.5	--	257.5	--	270.0	-	269.0	---
P9363	272.9	---	267.5	----	283.3	---	268.0	---
SY Impulse	289.8	-----	287.5	-----	286.7	----	295.3	-----
Farmumba	272.9	---	260.0	--	283.3	---	275.3	----
DKC 3990	295.7	-----	297.5	-----	306.7	-----	283.0	----
-Bezugsgrösse(n)	302.3	-----	300.0	-----	302.5	-----	304.3	-----
Versuchs-Mittel	284.7	-----	276.3	-----	292.1	-----	285.7	-----
VK [%]	4.0		3.3		3.8		4.4	
KGD (5%)	11.3		19.0		18.3		20.4	
KGD (1%)	14.9		25.6		24.4		27.2	
Versuchs-Streuung	11.4		9.2		11.2		12.5	
FG Fehlerterm	135.0		27.0		54.0		54.0	
Anz. Beob.	8.0		2.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	31546.1	27	9.02	***	1.57	0.0000
Anbauorte	9478.5	2	36.60	***	3.06	0.0000
WW Verf.*Anb.Orte	8847.0	54	1.27	ns	1.43	0.1403
Fehler	17481.8	135				
Insgesamt	67353.5	218				

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH
Figaro KWS	120.7 -----	110.0 -----	135.0 -----	117.0 -----
P8666	122.1 -----	110.0 -----	138.3 -----	118.0 -----
P8888	123.0 -----	105.0 -----	136.7 -----	127.3 -----
SY Glorius	111.0 ----	100.0 ----	133.3 ----	99.7 --
SY Enermax	118.3 -----	107.5 -----	130.0 ----	117.3 -----
KWS Shako	107.7 ---	107.5 -----	123.3 ---	92.3 -
KWS Inteligens	100.7 --	75.0 -	118.3 -	108.7 ----
KWS Haiko	120.9 -----	115.0 -----	136.7 -----	111.0 ----
KWS Sabino	114.7 -----	117.5 -----	120.0 --	106.7 ----
SY Amfora	117.9 -----	107.5 -----	143.3 -----	103.0 ---
P9610	114.5 -----	102.5 -----	133.3 -----	107.7 ----
LZM370/45	127.2 -----	107.5 -----	150.0 -----	124.0 -----
P8782	118.9 -----	112.5 -----	143.3 -----	101.0 ---
Purple	122.6 -----	105.0 -----	140.0 -----	122.7 -----
KXC0151	113.9 ----	107.5 -----	126.7 ----	107.7 ----
KXC0204	115.1 -----	105.0 -----	136.7 -----	103.7 ----
KXC0337	95.9 -	72.5 -	120.0 --	95.3 -
DFI7ZM3E734	119.8 -----	97.5 ----	145.0 -----	117.0 -----
Vitalico KWS	118.7 -----	105.0 -----	143.3 -----	107.7 ----
P9911	105.9 ---	92.5 ----	130.0 ----	95.3 -
Erasmus	123.1 -----	120.0 -----	135.0 -----	114.3 -----
LG 31280	112.0 ----	105.0 -----	131.7 ----	99.3 --
LG 31479	116.7 -----	110.0 -----	116.7 -	123.3 -----
P8834	126.6 -----	125.0 -----	141.7 -----	113.0 -----
P9363	112.1 ----	110.0 -----	131.7 ----	94.7 -
SY Impulse	124.7 -----	115.0 -----	138.3 -----	120.7 -----
Farmumba	119.1 -----	102.5 -----	138.3 -----	116.3 -----
DKC 3990	132.8 -----	127.5 -----	140.0 -----	131.0 -----
-Bezugsgrösse(n)	120.6 -----	106.3 -----	133.3 -----	122.3 -----
Versuchs-Mittel	117.0 -----	106.3 -----	134.2 -----	110.6 ----
VK [%]	9.8	8.9	7.1	12.6
KGD (5%)	11.4	19.5	15.7	22.8
KGD (1%)	15.0	26.3	20.9	ns
Versuchs-Streuung	11.5	9.5	9.6	13.9
FG Fehlerterm	135.0	27.0	54.0	54.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13697.1	27	3.84 ***	1.57	0.0001
Anbauorte	33586.8	2	127.08 ***	3.06	0.0000
WW Verf.*Anb.Orte	10012.0	54	1.40 ns	1.43	0.0607
Fehler	17839.4	135			
Insgesamt	75135.4	218			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH
Figaro KWS	43.3 -----	42.7 -----	45.5 ----	41.6 -----
P8666	44.0 -----	40.7 -----	49.8 -----	41.6 -----
P8888	40.7 ----	35.0 ----	44.8 ----	42.2 -----
SY Glorius	39.4 ---	37.4 ----	45.2 ----	35.5 ---
SY Enermax	39.2 ----	35.8 ----	43.3 --	38.4 ----
KWS Shako	36.8 --	36.8 ----	41.8 -	31.7 -
KWS Inteligens	35.4 -	28.1 -	41.3 -	36.8 ----
KWS Haiko	43.6 -----	42.6 -----	47.4 -----	40.8 -----
KWS Sabino	42.0 -----	43.1 -----	43.1 --	39.8 -----
SY Amfora	41.3 -----	39.1 -----	48.8 -----	35.9 ----
P9610	39.9 ----	37.0 ----	45.1 ----	37.7 ----
LZM370/45	41.1 ----	36.4 ----	47.1 -----	39.9 -----
P8782	39.7 ----	38.9 ----	46.9 ----	33.5 --
Purple	41.8 -----	37.2 ----	46.3 ----	42.0 -----
KXC0151	39.9 ----	38.1 ----	42.9 --	38.8 ----
KXC0204	41.1 -----	40.0 -----	47.1 -----	36.3 ----
KXC0337	35.1 -	28.5 -	42.9 --	33.9 --
DFI7ZM3E734	38.9 ----	34.8 ----	45.3 ----	36.5 ----
Vitalico KWS	41.7 -----	39.2 -----	49.0 -----	36.9 ----
P9911	40.5 -----	36.3 -----	47.7 -----	37.3 ----
Erasmus	43.7 -----	42.8 -----	47.0 -----	41.3 -----
LG 31280	38.5 ---	36.0 ----	44.7 ----	34.8 ---
LG 31479	41.8 -----	39.6 ----	42.0 -	43.7 -----
P8834	47.7 -----	48.6 -----	52.5 -----	42.0 -----
P9363	40.9 ----	41.1 -----	46.5 ----	35.1 ---
SY Impulse	43.0 -----	40.1 -----	48.2 -----	40.9 -----
Farmumba	43.6 -----	39.5 -----	49.0 -----	42.3 -----
DKC 3990	44.9 -----	43.0 -----	45.6 ----	46.2 -----
-Bezugsgrösse(n)	39.9 ----	35.4 ----	44.1 ---	40.3 -----
Versuchs-Mittel	41.1 -----	38.5 -----	46.0 -----	38.7 -----
VK [%]	9.2	9.4	6.5	11.7
KGD (5%)	3.7	7.4	4.9	7.4
KGD (1%)	4.9	10.0	6.5	ns
Versuchs-Streuung	3.8	3.6	3.0	4.5
FG Fehlerterm	135.0	27.0	54.0	54.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1657.5	27	4.28 ***	1.57	0.0000
Anbauorte	2689.1	2	93.69 ***	3.06	0.0000
WW Verf.*Anb.Orte	1015.9	54	1.31 ns	1.43	0.1075
Fehler	1937.3	135			
Insgesamt	7299.8	218			

Helminthosporium turcicum [note 1] / Helminthosporium turcicum [Note 1]

Verfahren	Seriemittel		1896 Vouvry	
Figaro KWS	1.0	-	1.0	-
P8666	1.7	----	1.7	----
P8888	1.7	----	1.7	----
SY Glorius	1.7	----	1.7	----
SY Enermax	2.0	-----	2.0	-----
KWS Shako	3.0	-----	3.0	-----
KWS Inteligens	1.0	-	1.0	-
KWS Haiko	2.3	-----	2.3	-----
KWS Sabino	2.7	-----	2.7	-----
SY Amfora	1.7	----	1.7	----
P9610	1.0	-	1.0	-
LZM370/45	1.3	--	1.3	--
P8782	2.3	-----	2.3	-----
Purple	2.0	-----	2.0	-----
KXC0151	1.0	-	1.0	-
KXC0204	2.0	-----	2.0	-----
KXC0337	1.0	-	1.0	-
DFI7ZM3E734	1.7	----	1.7	----
Vitalico KWS	1.0	-	1.0	-
P9911	1.0	-	1.0	-
Erasmus	2.7	-----	2.7	-----
LG 31280	1.0	-	1.0	-
LG 31479	1.0	-	1.0	-
P8834	1.0	-	1.0	-
P9363	1.0	-	1.0	-
SY Impulse	1.0	-	1.0	-
Farmumba	2.0	-----	2.0	-----
DKC 3990	1.3	--	1.3	--
-Bezugsgrösse(n)	1.8	-----	1.8	-----
Versuchs-Mittel	1.6	---	1.6	---
VK [%]	36.1		36.1	
KGD (5%)	0.9		0.9	
KGD (1%)	1.2		1.2	
Versuchs-Streuung	0.6		0.6	
FG Fehlerterm	54.0		54.0	
Anz. Beob.	3.0		3.0	

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH
Figaro KWS	0.0 -	0.0 -	0.0 -	0.0 -
P8666	5.1 -----	0.6 -	2.6 -----	12.1 -----
P8888	2.3 ----	1.2 --	1.9 -----	3.7 ----
SY Glorius	4.0 -----	4.8 -----	0.9 ----	6.4 -----
SY Enermax	0.1 -	0.0 -	0.4 --	0.0 -
KWS Shako	2.6 ----	0.5 -	0.0 -	7.4 -----
KWS Inteligens	0.0 -	0.0 -	0.0 -	0.0 -
KWS Haiko	0.9 --	0.5 -	0.3 --	1.8 --
KWS Sabino	1.4 ---	1.1 --	2.7 -----	0.6 -
SY Amfora	2.4 ----	4.9 -----	0.7 ---	1.6 --
P9610	0.6 -	0.0 -	0.0 -	1.9 --
LZM370/45	1.0 --	2.4 ----	0.0 -	0.6 -
P8782	0.6 -	0.0 -	0.0 -	1.7 --
Purple	1.2 --	0.0 -	1.2 ----	2.3 --
KXC0151	0.2 -	0.0 -	0.0 -	0.5 -
KXC0204	2.3 ----	1.1 --	0.7 ---	5.1 -----
KXC0337	1.3 --	1.1 --	1.1 -----	1.7 --
DFI7ZM3E734	0.2 -	0.6 -	0.0 -	0.0 -
Vitalico KWS	0.3 -	0.0 -	0.4 --	0.6 -
P9911	0.7 --	0.0 -	0.4 --	1.8 --
Erasmus	1.8 ---	3.3 -----	0.8 ----	1.2 --
LG 31280	1.1 --	0.6 -	0.4 --	2.2 --
LG 31479	5.4 -----	3.6 -----	0.4 --	12.2 -----
P8834	1.8 ---	1.3 --	1.9 -----	2.2 --
P9363	1.7 ---	1.1 --	0.8 ----	3.2 ---
SY Impulse	6.9 -----	7.3 -----	1.5 -----	12.0 -----
Farmumba	1.2 --	0.5 -	0.4 --	2.8 ---
DKC 3990	0.8 --	0.0 -	1.1 -----	1.3 --
-Bezugsgrösse(n)	1.2 --	0.6 -	1.1 -----	1.8 --
Versuchs-Mittel	1.7 ---	1.3 --	0.7 ---	3.1 ---
VK [%]	132.5	50.4	141.2	110.0
KGD (5%)	2.2	1.4	1.7	5.6
KGD (1%)	3.0	1.8	ns	7.4
Versuchs-Streuung	2.3	0.7	1.0	3.4
FG Fehlerterm	135.0	27.0	54.0	54.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	651.6	27	4.69 ***	1.57	0.0000
Anbauorte	226.2	2	21.99 ***	3.06	0.0000
WW Verf.*Anb.Orte	599.4	54	2.16 ***	1.43	0.0007
Fehler	694.5	135			
Insgesamt	2171.6	218			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	8.2 -----	8.9 -----	9.2 -----	8.8 -----	5.9 ----
P8666	7.6 ----	8.2 ----	8.6 ----	8.1 ----	5.7 ----
P8888	7.8 ----	8.3 ----	8.9 ----	8.0 ---	6.0 ----
SY Glorius	7.3 -	7.3 -	8.0 -	7.7 -	6.1 ----
SY Enermax	7.9 ----	8.5 -----	8.8 -----	8.0 ---	6.1 ----
KWS Shako	8.3 -----	9.2 -----	9.4 -----	8.7 -----	6.2 ----
KWS Inteligens	7.7 ----	8.1 ----	8.7 ----	8.0 ---	6.0 ----
KWS Haiko	8.4 -----	9.0 -----	9.2 -----	8.3 ----	7.3 -----
KWS Sabino	8.1 ----	8.7 ----	8.8 ----	8.4 ----	6.5 ----
SY Amfora	8.4 -----	9.2 -----	9.3 -----	9.0 -----	6.0 ----
P9610	8.1 ----	8.5 ----	9.1 ----	7.8 -	7.0 -----
LZM370/45	7.9 ----	8.3 ----	8.3 --	8.6 -----	6.5 ----
P8782	7.6 ---	7.8 ---	8.7 ----	8.1 ---	6.0 ----
Purple	7.7 ----	7.8 ---	8.4 ---	8.6 -----	5.9 ----
KXC0151	8.0 ----	8.5 -----	8.6 ----	8.4 ----	6.4 ----
KXC0204	8.4 -----	9.1 -----	9.1 -----	8.6 -----	6.8 -----
KXC0337	8.4 -----	8.8 -----	9.2 -----	8.7 -----	7.0 -----
DFI7ZM3E734	7.8 ----	8.0 ---	8.4 ---	8.5 -----	6.4 ----
Vitalico KWS	8.2 -----	8.7 -----	9.3 -----	8.3 ----	6.5 ----
P9911	7.8 ----	8.5 ----	8.8 ----	8.2 ----	5.9 ----
Erasmus	7.6 ----	7.6 --	8.2 --	7.8 -	7.0 -----
LG 31280	8.0 ----	8.7 -----	8.8 ----	8.5 ----	6.2 ----
LG 31479	8.2 -----	8.3 ----	8.6 ----	8.5 ----	7.2 -----
P8834	7.6 ---	8.0 ---	8.8 ----	8.6 -----	5.0 -
P9363	8.0 ----	9.0 -----	8.5 ----	8.7 -----	5.8 ----
SY Impulse	8.1 -----	8.9 -----	8.8 ----	8.5 ----	6.3 ----
Farmumba	8.5 -----	8.5 ----	9.3 -----	8.9 -----	7.1 -----
DKC 3990	7.8 ----	8.8 -----	8.7 ----	7.7 -	6.2 ----
-Bezugsgrösse(n)	7.8 ----	8.4 -----	8.9 -----	8.0 ---	6.1 ----
Versuchs-Mittel	8.0 -----	8.4 -----	8.8 ----	8.4 -----	6.3 ----
VK [%]	5.8	5.7	3.4	5.9	9.6
KGD (5%)	0.4	1.0	0.5	ns	ns
KGD (1%)	0.5	ns	0.7	ns	ns
Versuchs-Streuung	0.5	0.5	0.3	0.5	0.6
FG Fehlerterm	162.0	27.0	54.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	25.5	27	4.45 ***	1.56	0.0000
Anbauorte	263.3	3	413.77 ***	2.66	0.0000
WW Verf.*Anb.Orte	27.1	81	1.57 **	1.36	0.0076
Fehler	34.4	162			
Insgesamt	350.2	273			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	562.7 --	493.1 --	680.3 ----	585.2 --	492.2 ---
P8666	596.7 ----	610.1 ----	696.0 ----	622.8 ----	458.1 -
P8888	649.9 ----	595.4 ----	804.4 ----	687.8 ----	512.1 ----
SY Glorius	568.5 ---	525.7 ---	694.6 ----	562.4 -	491.4 ---
SY Enermax	572.4 ---	548.3 ----	660.7 ---	569.1 --	511.4 ----
KWS Shako	599.2 ----	571.8 ----	729.8 ----	593.4 ---	502.0 ----
KWS Inteligens	687.9 ----	635.7 ----	798.6 ----	764.3 ----	553.1 ----
KWS Haiko	564.3 --	528.0 ---	619.6 -	554.9 -	554.8 ----
KWS Sabino	583.9 ---	563.1 ----	626.2 -	574.1 --	572.0 ----
SY Amfora	621.1 ----	572.0 ----	692.3 ----	649.2 ----	571.1 ----
P9610	634.9 ----	588.6 ----	733.5 ----	648.9 ----	568.4 ----
LZM370/45	664.2 ----	574.7 ----	759.6 ----	723.2 ----	599.5 ----
P8782	607.5 ----	517.8 ---	732.3 ----	628.7 ---	551.2 ----
Purple	626.0 ----	581.6 ----	773.5 ----	645.9 ---	503.0 ---
KXC0151	595.8 ---	532.8 ---	690.4 ----	596.1 ---	563.8 ----
KXC0204	551.7 --	487.9 --	641.6 --	572.8 --	504.7 ---
KXC0337	572.2 ---	455.3 -	640.6 --	606.9 ---	586.1 ----
DFI7ZM3E734	614.8 ----	532.3 ---	721.4 ----	641.1 ----	564.4 ----
Vitalico KWS	537.1 -	496.2 ---	650.3 ---	547.0 -	455.0 -
P9911	694.5 ----	654.8 ----	811.8 ----	751.4 ----	559.8 ----
Erasmus	615.1 ----	591.8 ----	712.9 ----	598.2 ---	557.6 ----
LG 31280	618.4 ----	585.7 ----	719.2 ----	648.0 ----	520.9 ----
LG 31479	581.7 ---	542.1 ---	657.2 ---	635.9 ---	491.6 ---
P8834	557.7 --	518.9 ---	631.8 --	624.9 ---	455.1 -
P9363	632.8 ----	630.4 ----	737.5 ----	644.7 ----	518.7 ----
SY Impulse	557.7 --	524.8 ---	607.9 -	569.6 --	528.7 ----
Farmumba	554.7 --	482.4 --	615.5 -	633.5 ----	487.3 ---
DKC 3990	605.4 ----	575.3 ----	681.1 ----	605.3 ---	559.6 ----
-Bezugsgrösse(n)	611.1 ----	571.9 ----	732.5 ----	628.5 ----	511.7 ----
Versuchs-Mittel	601.0 ----	554.2 ----	697.2 ----	624.5 ----	528.3 ----
VK [%]	6.9	6.0	6.2	6.1	9.7
KGD (5%)	36.7	68.3	70.8	62.1	ns
KGD (1%)	48.4	92.2	94.3	82.7	ns
Versuchs-Streuung	41.5	33.3	43.3	37.9	51.5
FG Fehlerterm	161.0	27.0	54.0	54.0	26.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	452626.8	27	9.72 ***	1.56	0.0000
Anbauorte	1208917.9	3	233.68 ***	2.66	0.0000
WW Verf.*Anb.Orte	265290.6	81	1.90 ***	1.36	0.0009
Fehler	277638.9	161			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	214.7 -----	205.7 ----	247.3 -----	224.0 ---	182.0 -----
P8666	218.9 -----	242.6 -----	225.5 ----	236.4 -----	170.9 ----
P8888	228.4 -----	220.7 -----	268.8 -----	246.1 -----	177.9 -----
SY Glorius	208.9 -----	210.3 -----	234.5 -----	214.2 -	176.8 ----
SY Enermax	215.8 -----	229.3 -----	229.6 -----	222.8 ---	181.7 -----
KWS Shako	209.1 -----	220.0 -----	222.0 ----	218.2 --	176.3 ----
KWS Inteligens	220.2 -----	222.6 -----	233.9 -----	258.8 -----	165.6 ----
KWS Haiko	216.2 -----	220.5 -----	213.8 ---	219.1 --	211.6 -----
KWS Sabino	213.8 -----	223.1 -----	210.5 --	227.6 ----	194.2 -----
SY Amfora	223.3 -----	238.3 -----	222.8 ----	236.6 -----	195.4 -----
P9610	218.7 -----	218.3 -----	240.0 -----	227.8 ----	188.6 -----
LZM370/45	235.4 -----	233.7 -----	239.2 -----	263.1 -----	205.8 -----
P8782	223.7 -----	205.6 ----	252.5 -----	242.6 -----	194.0 -----
Purple	219.3 -----	217.2 -----	252.3 -----	232.9 ----	174.6 ----
KXC0151	223.2 -----	224.6 -----	234.8 -----	229.4 ----	204.0 -----
KXC0204	207.7 ----	205.8 ----	214.3 ---	218.8 --	192.0 -----
KXC0337	215.6 -----	198.4 ----	225.2 ----	231.7 ----	207.0 -----
DFI7ZM3E734	225.5 -----	211.3 ----	265.2 -----	232.3 ----	193.3 -----
Vitalico KWS	209.2 -----	208.4 -----	236.4 -----	218.8 --	173.1 ----
P9911	218.9 -----	228.2 -----	244.0 -----	229.3 ----	174.0 ----
Erasmus	210.8 -----	218.3 -----	225.1 ----	210.4 -	189.5 -----
LG 31280	222.3 -----	239.5 -----	241.9 -----	227.6 ----	180.1 -----
LG 31479	183.3 -	174.4 -	198.5 -	214.7 -	145.4 -
P8834	198.7 ---	197.5 ---	213.3 ---	225.0 ---	158.8 ---
P9363	208.5 ----	219.2 -----	223.6 ----	225.0 ---	165.9 ----
SY Impulse	210.9 -----	221.8 -----	220.5 ----	219.4 --	181.7 -----
Farmumba	203.4 ----	192.9 ---	216.2 ---	232.3 -----	172.1 ----
DKC 3990	210.6 -----	218.5 -----	219.7 ----	217.2 --	187.2 -----
-Bezugsgrösse(n)	222.1 -----	225.0 -----	249.2 -----	234.4 -----	179.8 -----
Versuchs-Mittel	214.8 -----	216.7 -----	231.1 -----	228.6 ----	182.8 -----
VK [%]	8.4	6.8	9.1	6.6	10.8
KGD (5%)	15.9	30.2	34.4	24.7	ns
KGD (1%)	21.0	ns	ns	ns	ns
Versuchs-Streuung	18.0	14.7	21.0	15.1	19.7
FG Fehlerterm	161.0	27.0	54.0	54.0	26.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	27284.3	27	3.13 ***	1.56	0.0002
Anbauorte	103812.7	3	107.07 ***	2.66	0.0000
WW Verf.*Anb.Orte	32456.0	81	1.24 ns	1.36	0.1257
Fehler	52032.2	161			
Insgesamt	215585.2	272			

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

Verfahren	1567 * <i>Delley/Avenches</i>	3065 * <i>Habstetten</i>	8566 * <i>Ellighausen TG</i>
Figaro KWS	156.7	125.8	161.5
P8666	116.2	105.0	187.1
P8888	160.6	145.6	170.5
SY Glorius	164.2	95.0	180.6
SY Enermax	139.6	103.8	179.2
KWS Shako	136.7	127.4	191.1
KWS Inteligens	155.5	121.4	158.3
KWS Haiko	165.5	129.2	199.2
KWS Sabino	117.9	162.0	160.7
SY Amfora	162.8	129.9	184.8
P9610	131.8	156.8	143.2
LZM370/45	140.7	125.7	175.5
P8782	157.7	136.6	197.8
Purple	144.0	136.0	160.0
KXC0151	184.6	131.3	186.5
KXC0204	156.1	137.9	169.0
KXC0337	175.5	165.4	187.7
DFI7ZM3E734	162.9	130.3	169.2
Vitalico KWS	136.0	137.1	173.4
P9911	114.8	110.3	165.7
Erasmus	120.9	139.4	166.9
LG 31280	154.6	162.7	183.2
LG 31479	126.5	98.4	132.6
P8834	103.9	117.0	156.0
P9363	107.1	126.9	166.9
SY Impulse	172.3	135.5	179.1
Farmumba	144.0	93.4	169.6
DKC 3990	169.8	138.8	169.0
-Bezugsgrösse(n)	145.7	117.1	178.3
Versuchs-Mittel	145.7	129.4	172.3
VK [%]	18.9	26.2	14.8
KGD (5%)			
KGD (1%)			
Versuchs-Streuung	27.5	33.9	25.5
FG Fehlerterm	27.0	54.0	54.0
Anz. Beob.	2.0	3.0	3.0

* Nicht in Auswertung berücksichtigt / pas pris en compte pour les mises en valeur.

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	38.3 -----	41.8 -----	36.3 -----	38.3 -----	37.0 -----
P8666	36.9 -----	39.7 -----	32.4 -----	38.1 -----	37.2 -----
P8888	35.3 -----	37.1 -----	33.4 -----	35.9 -----	34.7 -----
SY Glorius	36.9 -----	40.0 -----	33.7 -----	38.1 -----	36.0 -----
SY Enermax	37.8 -----	41.8 -----	34.8 -----	39.1 -----	35.5 -----
KWS Shako	35.3 -----	38.4 -----	30.5 --	37.0 -----	35.3 -----
KWS Inteligens	32.0 -	35.0 ---	29.4 -	33.9 ----	29.8 -
KWS Haiko	38.5 -----	41.8 -----	34.6 -----	39.5 -----	38.1 -----
KWS Sabino	36.7 -----	39.6 -----	33.6 -----	39.8 -----	33.9 -----
SY Amfora	36.1 -----	41.7 -----	32.2 -----	36.5 -----	34.2 -----
P9610	34.5 -----	37.1 -----	32.7 -----	35.1 -----	33.2 -----
LZM370/45	35.7 -----	40.7 -----	31.5 ---	36.4 -----	34.3 -----
P8782	36.9 -----	39.7 -----	34.3 -----	38.6 -----	35.2 -----
Purple	35.2 -----	37.4 -----	32.7 -----	36.1 -----	34.7 -----
KXC0151	37.7 -----	42.2 -----	34.0 -----	38.5 -----	36.2 -----
KXC0204	38.0 -----	42.1 -----	33.5 -----	38.2 -----	38.0 -----
KXC0337	38.1 -----	43.6 -----	35.4 -----	38.2 -----	35.3 -----
DFI7ZM3E734	36.8 -----	39.6 -----	37.1 -----	36.3 -----	34.2 -----
Vitalico KWS	39.1 -----	42.1 -----	36.3 -----	40.0 -----	38.1 -----
P9911	31.6 -	34.8 ---	30.1 --	30.5 -	30.8 --
Erasmus	34.4 -----	36.9 -----	31.7 -----	35.3 -----	34.0 -----
LG 31280	36.1 -----	40.9 -----	33.6 -----	35.2 -----	34.6 -----
LG 31479	31.4 -	32.2 -	30.2 --	33.8 ----	29.5 -
P8834	35.7 -----	38.0 -----	33.8 -----	36.0 -----	34.9 -----
P9363	33.0 ---	34.8 ---	30.3 --	34.9 -----	32.0 ---
SY Impulse	38.0 -----	42.3 -----	37.0 -----	38.6 -----	34.4 -----
Farmumba	36.8 -----	40.0 -----	35.1 -----	36.7 -----	35.3 -----
DKC 3990	34.9 -----	38.0 -----	32.3 -----	36.0 -----	33.5 -----
-Bezugsgrösse(n)	36.5 -----	39.4 -----	34.1 -----	37.5 -----	35.1 -----
Versuchs-Mittel	36.0 -----	39.3 -----	33.3 -----	36.8 -----	34.6 -----
VK [%]	4.8	3.9	7.3	3.2	3.3
KGD (5%)	1.5	3.1	4.0	1.9	2.4
KGD (1%)	2.0	4.2	5.3	2.5	3.2
Versuchs-Streuung	1.7	1.5	2.4	1.2	1.1
FG Fehlerterm	162.0	27.0	54.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1171.2	27	14.25	***	1.56	0.0000
Anbauorte	1425.8	3	156.13	***	2.66	0.0000
WW Verf.*Anb.Orte	293.1	81	1.19	ns	1.36	0.1771
Fehler	493.1	162				
Insgesamt	3383.3	273				

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	149.2 -----	138.0 ----	170.0 -----	153.8 --	135.0 -----
P8666	152.9 -----	167.9 -----	156.9 ----	164.3 -----	122.6 ----
P8888	157.9 -----	147.9 -----	187.4 -----	167.3 -----	129.2 -----
SY Glorius	141.7 ---	138.9 ---	157.0 ---	148.1 -	122.9 ---
SY Enermax	156.9 -----	168.6 -----	161.5 -----	162.4 -----	135.1 -----
KWS Shako	145.8 ----	153.8 -----	152.2 ---	149.2 -	128.1 ----
KWS Inteligens	155.3 -----	159.6 -----	159.8 ----	179.0 -----	122.6 ----
KWS Haiko	147.8 ----	149.4 ----	141.0 -	150.2 -	150.6 -----
KWS Sabino	152.1 ----	160.3 -----	147.2 --	157.1 ---	143.8 -----
SY Amfora	159.6 -----	168.8 -----	157.5 ----	166.8 -----	145.2 -----
P9610	155.2 -----	153.2 -----	162.0 ----	165.5 -----	139.9 -----
LZM370/45	161.8 -----	162.3 -----	158.7 ----	180.4 -----	145.6 -----
P8782	155.6 -----	144.9 ----	177.4 -----	160.9 ----	139.1 ----
Purple	157.8 -----	153.1 ----	183.0 -----	163.9 ----	131.3 ----
KXC0151	154.5 -----	158.4 -----	160.6 ----	151.7 --	147.4 -----
KXC0204	140.8 ----	141.8 ----	142.9 -	149.3 -	129.0 ----
KXC0337	153.8 -----	139.7 ----	162.6 ----	165.2 -----	147.7 -----
DFI7ZM3E734	153.7 -----	140.5 ----	180.8 -----	157.5 ----	135.9 -----
Vitalico KWS	144.6 ----	136.7 ---	163.1 ----	154.7 ---	124.0 ----
P9911	156.4 -----	166.0 -----	168.4 -----	163.5 -----	127.6 ----
Erasmus	147.3 ----	148.0 ----	155.3 ----	148.1 -	138.0 -----
LG 31280	156.4 -----	172.2 -----	165.2 -----	155.5 ---	132.7 -----
LG 31479	132.0 -	122.6 -	139.8 -	155.2 ---	110.3 -
P8834	143.6 ----	141.9 ----	146.0 --	163.3 ----	123.4 ----
P9363	148.1 ----	153.1 -----	155.3 ----	161.5 ----	122.5 ----
SY Impulse	150.4 -----	156.9 -----	150.4 ---	159.1 ----	135.3 -----
Farmumba	141.5 ----	128.5 --	152.2 ---	160.1 ----	125.3 ----
DKC 3990	148.9 ----	155.7 -----	149.0 ---	156.3 ---	134.6 -----
-Bezugsgrösse(n)	157.4 -----	158.2 -----	174.5 -----	164.8 -----	132.1 -----
Versuchs-Mittel	150.8 -----	151.0 -----	159.4 ----	159.6 ----	133.0 -----
VK [%]	9.7	9.0	11.2	7.0	11.0
KGD (5%)	12.9	ns	ns	ns	ns
KGD (1%)	17.0	ns	ns	ns	ns
Versuchs-Streuung	14.6	13.6	17.8	11.3	14.7
FG Fehlerterm	160.0	27.0	53.0	54.0	26.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12683.1	27	2.20 **	1.56	0.0014
Anbauorte	32768.1	3	51.13 ***	2.66	0.0000
WW Verf.*Anb.Orte	19123.1	81	1.11 ns	1.36	0.2941
Fehler	34178.2	160			
Insgesamt	98752.5	271			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	77.3 -----	71.5 --	91.2 -----	75.1 ---	71.3 -----
P8666	78.9 -----	86.5 -----	87.9 -----	79.3 -----	61.9 ---
P8888	79.0 -----	69.9 -	100.7 -----	80.9 -----	64.5 -----
SY Glorius	71.0 --	70.2 --	77.5 ---	73.6 ---	62.5 ---
SY Enermax	84.2 -----	92.9 -----	88.8 -----	87.5 -----	67.7 -----
KWS Shako	73.7 ----	78.2 ----	79.7 ---	72.4 --	64.4 ----
KWS Inteligens	80.2 -----	85.7 -----	87.9 -----	86.3 -----	60.8 ---
KWS Haiko	80.0 -----	81.4 ----	78.9 ---	79.7 ----	80.1 -----
KWS Sabino	82.3 -----	89.9 -----	83.9 ----	80.4 ----	75.0 -----
SY Amfora	82.0 -----	90.6 -----	83.2 ----	84.1 -----	70.1 -----
P9610	81.6 -----	81.2 ----	88.8 -----	86.7 -----	69.8 -----
LZM370/45	77.3 -----	79.2 ----	76.9 --	84.3 -----	68.9 -----
P8782	78.9 -----	74.8 ---	99.2 -----	76.4 ---	65.0 ----
Purple	85.0 -----	81.3 ----	105.8 -----	83.8 -----	68.9 -----
KXC0151	83.0 -----	88.9 -----	85.4 ----	76.4 ----	81.3 -----
KXC0204	70.8 --	70.3 --	70.7 -	77.2 ----	65.1 ----
KXC0337	86.2 -----	79.5 ----	94.7 -----	93.3 -----	77.2 -----
DFI7ZM3E734	72.7 ---	66.5 -	87.4 ----	68.6 -	68.2 -----
Vitalico KWS	77.7 -----	72.9 --	85.2 ----	84.6 -----	68.0 ----
P9911	81.6 -----	90.6 -----	95.7 -----	78.4 ----	61.8 ----
Erasmus	75.1 ----	80.2 ----	82.9 ----	70.4 -	66.8 ----
LG 31280	86.6 -----	105.3 -----	93.0 -----	76.6 ----	71.6 -----
LG 31479	68.1 -	68.8 -	73.6 -	77.1 ----	52.8 -
P8834	79.7 -----	84.5 ----	81.3 ---	87.0 -----	66.1 ----
P9363	79.5 -----	85.4 ----	86.4 ----	82.3 -----	63.8 ----
SY Impulse	79.3 -----	90.8 -----	76.1 --	82.3 -----	68.1 -----
Farmumba	77.5 -----	69.1 -	85.3 ----	86.3 -----	69.2 -----
DKC 3990	78.9 -----	89.7 -----	81.4 ----	79.2 ----	65.3 ----
-Bezugsgrösse(n)	81.6 -----	81.4 ----	94.7 -----	84.2 -----	66.1 -----
Versuchs-Mittel	78.9 -----	81.3 ----	86.1 -----	80.4 ----	67.7 -----
VK [%]	12.5	11.5	14.6	9.4	11.9
KGD (5%)	8.7	19.2	ns	12.4	ns
KGD (1%)	11.5	ns	ns	ns	ns
Versuchs-Streuung	9.8	9.4	12.5	7.6	8.1
FG Fehlerterm	160.0	27.0	53.0	54.0	26.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5710.4	27	2.19 **	1.56	0.0015
Anbauorte	12866.6	3	44.43 ***	2.66	0.0000
WW Verf.*Anb.Orte	9462.7	81	1.21 ns	1.36	0.1544
Fehler	15445.2	160			
Insgesamt	43485.0	271			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	696.8 ----	671.0 --	687.3 ----	686.7 ----	742.0 -----
P8666	699.5 -----	690.5 -----	694.7 -----	695.3 -----	717.5 ----
P8888	693.7 ----	670.5 --	697.7 -----	680.0 ---	726.5 -----
SY Glorius	679.3 -	661.0 -	668.7 --	691.7 ----	696.0 ---
SY Enermax	727.9 -----	736.5 -----	703.7 -----	728.3 -----	743.0 -----
KWS Shako	697.8 -----	696.0 -----	685.7 ----	682.7 ----	727.0 -----
KWS Inteligens	708.5 -----	716.0 -----	683.7 ----	692.0 ----	742.5 -----
KWS Haiko	683.5 --	677.0 ---	658.3 -	685.7 ----	713.0 ----
KWS Sabino	711.5 -----	718.0 -----	699.3 -----	689.3 ----	739.5 -----
SY Amfora	715.5 -----	709.0 -----	705.3 -----	704.7 -----	743.0 -----
P9610	722.3 -----	701.0 -----	720.5 -----	726.7 -----	741.0 -----
LZM370/45	688.2 ---	694.5 ----	663.7 -	686.7 ----	708.0 ----
P8782	696.6 ----	705.5 ----	701.3 -----	662.7 -	717.0 ----
Purple	721.3 -----	705.0 -----	724.7 -----	703.3 -----	752.0 -----
KXC0151	693.3 ----	705.5 -----	684.3 ----	661.0 -	722.5 ----
KXC0204	677.2 -	688.0 ----	665.7 --	682.7 ----	672.5 -
KXC0337	713.0 -----	704.0 -----	722.0 -----	712.3 -----	713.5 ----
DFI7ZM3E734	680.3 -	661.5 -	680.0 ----	677.3 ---	702.5 ---
Vitalico KWS	692.2 ----	656.0 -	690.3 ----	706.3 -----	716.0 ----
P9911	714.8 -----	727.0 -----	690.3 ----	713.0 -----	729.0 -----
Erasmus	699.8 ----	678.5 ---	688.0 ----	703.0 -----	729.5 -----
LG 31280	705.0 ----	718.5 -----	681.0 ----	683.3 ----	737.0 -----
LG 31479	722.5 -----	703.0 ----	705.0 -----	721.7 -----	760.5 -----
P8834	726.7 -----	718.0 -----	685.3 ----	726.3 -----	777.0 -----
P9363	712.5 -----	698.5 ----	693.3 ----	718.3 -----	740.0 -----
SY Impulse	714.8 -----	707.5 -----	682.3 ----	725.0 -----	744.5 -----
Farmumba	697.0 ----	667.5 --	703.3 -----	689.3 ----	728.0 ----
DKC 3990	710.0 -----	713.5 -----	677.3 ---	720.3 -----	729.0 ----
-Bezugsgrösse(n)	710.8 -----	703.5 -----	700.7 -----	704.2 -----	734.8 -----
Versuchs-Mittel	703.6 -----	696.4 -----	690.8 ----	698.4 -----	728.9 ----
VK [%]	2.9	3.8	3.2	2.5	2.4
KGD (5%)	18.3	ns	ns	28.2	36.0
KGD (1%)	24.2	ns	ns	37.6	48.6
Versuchs-Streuung	20.7	26.3	22.2	17.2	17.6
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	58392.7	27	5.03 ***	1.56	0.0000
Anbauorte	61819.8	3	47.95 ***	2.66	0.0000
WW Verf.*Anb.Orte	45585.2	81	1.31 ns	1.36	0.0753
Fehler	69189.9	161			
Insgesamt	234987.6	272			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	360.8 ----	347.5 ---	368.3 ----	335.3 ----	392.0 -----
P8666	360.1 ----	356.0 ----	386.7 -----	335.7 ----	362.0 ----
P8888	346.1 ----	317.0 -	375.3 -----	329.0 ----	363.0 ----
SY Glorius	340.8 ---	334.0 --	329.7 -	344.7 ----	355.0 ---
SY Enermax	389.4 -----	406.0 -----	386.7 -----	392.3 -----	372.5 ----
KWS Shako	352.0 ----	353.5 ----	358.0 ----	331.3 ----	365.0 ----
KWS Inteligens	365.6 -----	384.0 -----	376.3 -----	334.0 ----	368.0 ----
KWS Haiko	370.2 -----	369.0 -----	367.7 ----	363.7 -----	380.5 -----
KWS Sabino	384.8 -----	402.5 -----	399.3 -----	353.3 -----	384.0 -----
SY Amfora	366.8 -----	381.0 -----	371.7 -----	355.7 -----	359.0 ----
P9610	379.3 -----	371.5 ----	395.0 -----	380.7 -----	370.0 ----
LZM370/45	328.8 -	338.0 ---	321.7 -	320.7 ---	335.0 -
P8782	352.0 ----	364.5 ----	392.7 -----	315.0 ---	336.0 -
Purple	386.5 -----	374.5 ----	417.7 -----	359.3 -----	394.5 -----
KXC0151	372.8 -----	396.5 -----	364.3 ----	332.0 ----	398.5 -----
KXC0204	340.3 ---	340.0 ---	328.3 -	353.0 -----	340.0 -
KXC0337	399.0 -----	400.5 -----	420.3 -----	402.0 -----	373.0 ----
DFI7ZM3E734	322.1 -	311.5 -	330.0 -	294.3 -	352.5 ---
Vitalico KWS	371.7 -----	349.0 ----	360.7 ----	384.7 -----	392.5 -----
P9911	370.7 -----	397.5 -----	393.0 -----	341.3 ----	351.0 ---
Erasmus	355.2 ----	368.0 ----	366.7 ----	333.0 ----	353.0 ---
LG 31280	389.1 -----	439.0 -----	383.3 -----	336.7 ----	397.5 -----
LG 31479	371.8 -----	394.5 ----	370.7 ----	357.3 ----	364.5 ----
P8834	403.6 -----	428.0 -----	381.7 ----	387.7 -----	417.0 -----
P9363	381.1 -----	390.0 ----	384.0 ----	365.0 ----	385.5 -----
SY Impulse	376.0 ----	409.0 -----	345.3 ---	375.3 -----	374.5 ----
Farmumba	381.7 -----	360.0 ----	393.7 -----	371.0 -----	402.0 -----
DKC 3990	371.7 -----	411.0 -----	369.3 ----	365.0 ----	341.5 -
-Bezugsgrösse(n)	367.7 -----	361.5 -----	381.0 -----	360.7 -----	367.8 -----
Versuchs-Mittel	367.5 -----	374.8 -----	372.8 -----	351.8 -----	370.7 ----
VK [%]	6.9	7.4	8.1	6.0	4.9
KGD (5%)	22.3	57.1	49.7	34.6	37.6
KGD (1%)	29.5	77.0	ns	46.1	50.7
Versuchs-Streuung	25.3	27.8	30.3	21.2	18.3
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	107980.2	27	6.26 ***	1.56	0.0000
Anbauorte	23732.8	3	12.39 ***	2.66	0.0000
WW Verf.*Anb.Orte	78855.4	81	1.52 *	1.36	0.0122
Fehler	102814.1	161			
Insgesamt	313382.6	272			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	158.1 ----	168.0 -----	159.3 ----	162.0 -----	143.0 -
P8666	161.9 -----	166.0 -----	167.3 ----	158.7 ----	155.5 ----
P8888	167.6 -----	183.5 -----	163.3 ----	169.0 -----	154.5 ----
SY Glorius	168.9 -----	176.0 -----	177.0 -----	161.7 -----	161.0 -----
SY Enermax	154.0 ---	149.0 ----	164.0 ----	148.3 --	154.5 ----
KWS Shako	168.0 -----	169.5 -----	171.7 -----	171.0 -----	160.0 -----
KWS Inteligens	170.8 -----	167.0 -----	180.0 -----	176.3 -----	160.0 -----
KWS Haiko	165.7 -----	173.0 -----	175.3 -----	158.3 ----	156.0 ----
KWS Sabino	161.3 ----	159.0 ----	163.0 ----	166.0 -----	157.0 ----
SY Amfora	155.7 ---	154.0 ----	161.7 ----	156.0 ----	151.0 ----
P9610	163.3 -----	172.5 -----	161.5 ----	157.3 ----	162.0 -----
LZM370/45	176.4 -----	170.0 -----	195.0 -----	171.0 -----	169.5 -----
P8782	169.5 -----	167.0 -----	164.7 ----	175.7 -----	170.5 -----
Purple	149.9 -	154.5 ----	147.7 --	155.3 ---	142.0 -
KXC0151	165.9 -----	160.0 ----	173.0 -----	177.0 -----	153.5 ----
KXC0204	176.0 -----	177.0 -----	190.3 -----	162.7 ----	174.0 -----
KXC0337	147.4 -	148.5 ----	142.0 -	144.0 -	155.0 ----
DFI7ZM3E734	174.8 -----	182.0 -----	180.3 -----	178.0 -----	159.0 -----
Vitalico KWS	159.5 ----	174.5 -----	170.3 ----	145.3 -	148.0 ---
P9911	161.4 ----	154.0 ----	164.3 ----	167.3 -----	160.0 -----
Erasmus	154.3 ---	158.0 -----	158.3 ----	149.7 --	151.0 ----
LG 31280	149.8 -	133.0 -	161.0 ----	162.7 -----	142.5 -
LG 31479	160.7 ----	161.0 ----	169.3 ----	154.3 ----	158.0 -----
P8834	157.3 ----	153.5 ----	176.0 -----	157.3 ----	142.5 -
P9363	161.2 ----	161.0 ----	175.7 -----	160.7 -----	147.5 ---
SY Impulse	156.6 ----	148.0 ----	179.0 -----	149.3 --	150.0 ----
Farmumba	153.5 ---	166.0 -----	151.3 --	156.7 ----	140.0 -
DKC 3990	164.3 -----	151.0 ----	177.7 -----	162.0 -----	166.5 -----
-Bezugsgrösse(n)	160.8 -----	166.3 -----	163.7 ----	158.7 -----	154.5 ----
Versuchs-Mittel	161.9 -----	162.7 -----	168.6 -----	161.2 -----	155.1 ----
VK [%]	6.7	7.4	7.8	5.4	5.6
KGD (5%)	9.6	ns	21.5	14.3	17.8
KGD (1%)	12.7	ns	28.7	19.0	ns
Versuchs-Streuung	10.9	12.0	13.1	8.7	8.7
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16746.5	27	5.20 ***	1.56	0.0000
Anbauorte	6399.7	3	17.90 ***	2.66	0.0000
WW Verf.*Anb.Orte	13446.8	81	1.39 *	1.36	0.0387
Fehler	19188.6	161			
Insgesamt	55781.6	272			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	366.3 ----	384.0 -----	355.0 ----	376.7 ----	349.5 ---
P8666	383.0 -----	389.5 -----	373.7 -----	383.7 -----	385.0 -----
P8888	387.8 -----	407.5 -----	363.0 -----	394.7 -----	386.0 -----
SY Glorius	396.8 -----	407.5 -----	394.0 -----	381.3 ----	404.5 -----
SY Enermax	362.4 ---	354.0 ----	360.0 -----	354.7 --	381.0 -----
KWS Shako	385.5 -----	380.5 ----	377.3 -----	403.7 -----	380.5 -----
KWS Inteligens	382.6 -----	375.0 ----	375.0 -----	402.0 -----	378.5 -----
KWS Haiko	381.3 ----	385.0 ----	385.3 -----	377.3 ----	377.5 ----
KWS Sabino	377.0 ----	371.0 ----	367.0 ----	388.3 ----	381.5 ----
SY Amfora	365.5 ----	368.0 ----	353.0 ----	372.3 ----	368.5 ----
P9610	376.5 -----	400.0 -----	355.0 ----	363.7 --	387.5 -----
LZM370/45	404.8 -----	407.0 -----	408.3 -----	396.7 -----	407.0 -----
P8782	389.8 -----	389.5 ----	362.3 ----	405.3 -----	402.0 -----
Purple	348.5 -	365.0 ----	319.7 -	362.0 ---	347.5 ---
KXC0151	379.3 ----	373.5 ----	377.0 -----	404.3 -----	362.5 ----
KXC0204	400.8 -----	402.5 -----	403.0 -----	385.3 -----	412.5 -----
KXC0337	347.8 -	368.0 ----	313.0 -	345.7 -	364.5 ----
DFI7ZM3E734	402.0 -----	425.0 -----	381.3 -----	422.7 -----	379.0 -----
Vitalico KWS	369.6 ----	399.0 -----	365.7 ----	360.3 ---	353.5 ----
P9911	368.7 ----	347.5 ---	370.3 -----	393.3 -----	363.5 ----
Erasmus	357.9 --	361.0 ----	356.3 ----	364.3 ---	350.0 ---
LG 31280	356.5 --	325.0 -	371.7 -----	399.3 -----	330.0 -
LG 31479	360.0 ---	358.5 ----	359.3 ----	368.3 ----	354.0 ----
P8834	364.5 ----	352.5 ---	392.0 -----	386.3 ----	327.0 -
P9363	366.1 ----	357.0 ----	374.0 -----	385.3 -----	348.0 ---
SY Impulse	365.1 ----	344.0 ---	391.0 -----	370.0 ----	355.5 ----
Farmumba	359.8 ---	370.0 ----	343.7 ----	385.3 -----	340.0 --
DKC 3990	390.9 -----	356.5 ----	405.3 -----	398.3 -----	403.5 -----
-Bezugsgrösse(n)	375.1 -----	380.8 -----	361.5 -----	374.7 -----	383.5 -----
Versuchs-Mittel	374.9 ----	375.8 ----	369.7 -----	383.3 ----	370.7 -----
VK [%]	5.7	5.5	6.5	4.9	5.7
KGD (5%)	18.7	42.0	39.1	30.5	43.4
KGD (1%)	24.7	56.8	52.1	40.6	ns
Versuchs-Streuung	21.2	20.5	23.9	18.6	21.1
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	69029.2	27	5.69 ***	1.56	0.0000
Anbauorte	8056.4	3	5.98 ***	2.66	0.0007
WW Verf.*Anb.Orte	60873.4	81	1.67 **	1.36	0.0030
Fehler	72335.1	161			
Insgesamt	210294.1	272			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	59.3 ----	58.0 -----	62.3 ----	53.0 ----	64.0 ----
P8666	59.4 -----	59.5 -----	63.0 ----	51.7 ----	63.5 ----
P8888	60.6 -----	61.5 -----	63.0 ----	54.0 -----	64.0 ----
SY Glorius	59.6 ----	59.5 -----	58.3 --	55.0 -----	65.5 -----
SY Enermax	54.8 -	52.5 -	56.3 -	51.3 ---	59.0 -
KWS Shako	56.3 --	51.5 -	62.0 ----	49.7 -	62.0 ---
KWS Inteligens	59.6 -----	58.5 -----	62.7 ----	53.7 -----	63.5 ----
KWS Haiko	59.9 -----	60.0 -----	63.0 ----	51.0 ---	65.5 -----
KWS Sabino	57.1 ---	57.5 ----	59.0 --	49.3 -	62.5 ---
SY Amfora	59.2 -----	59.0 -----	61.3 ----	53.0 ----	63.5 ----
P9610	57.1 ---	55.5 ----	61.5 ----	52.0 ----	59.5 -
LZM370/45	60.9 -----	54.0 ---	69.3 -----	53.7 -----	66.5 -----
P8782	61.2 -----	56.5 ----	68.3 -----	52.0 ----	68.0 -----
Purple	63.9 -----	64.5 -----	71.0 -----	53.7 -----	66.5 -----
KXC0151	61.1 -----	59.5 -----	65.0 -----	54.0 -----	66.0 -----
KXC0204	58.5 ----	55.0 ---	61.3 ----	55.0 -----	62.5 ----
KXC0337	61.8 -----	58.0 ----	66.7 -----	57.3 -----	65.0 ----
DFI7ZM3E734	64.1 -----	63.5 -----	70.0 -----	53.3 ----	69.5 -----
Vitalico KWS	59.8 ----	54.5 ---	67.7 -----	54.7 -----	62.5 ----
P9911	60.3 -----	58.5 -----	60.0 ---	56.7 -----	66.0 -----
Erasmus	63.8 -----	63.5 -----	66.3 -----	56.0 -----	69.5 -----
LG 31280	60.7 -----	59.0 ----	61.3 ----	56.0 -----	66.5 -----
LG 31479	59.0 ----	57.0 ----	60.0 ---	53.0 ----	66.0 ----
P8834	58.6 ----	54.0 ---	58.7 --	54.3 -----	67.5 -----
P9363	58.3 ----	52.5 -	63.0 ----	55.3 -----	62.5 ----
SY Impulse	57.8 ----	54.5 ---	62.0 ----	52.3 ----	62.5 ----
Farmumba	59.1 ----	54.5 ---	64.7 -----	53.7 -----	63.5 ----
DKC 3990	57.3 ---	54.5 ---	61.7 ----	53.0 ----	60.0 --
-Bezugsgrösse(n)	57.7 ----	57.0 -----	59.7 ---	52.7 -----	61.5 ---
Versuchs-Mittel	59.6 -----	57.4 -----	63.2 ----	53.5 -----	64.4 -----
VK [%]	4.9	5.2	4.5	5.7	4.5
KGD (5%)	2.6	6.1	4.7	ns	ns
KGD (1%)	3.4	8.2	6.2	ns	ns
Versuchs-Streuung	2.9	3.0	2.9	3.1	2.9
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1304.2	27	5.57 ***	1.56	0.0000
Anbauorte	5474.8	3	210.32 ***	2.66	0.0000
WW Verf.*Anb.Orte	1162.1	81	1.65 **	1.36	0.0036
Fehler	1397.0	161			
Insgesamt	9338.0	272			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	6.3 ----	6.1 --	6.2 ----	6.2 ----	6.8 -----
P8666	6.3 ----	6.2 ----	6.3 ----	6.3 ----	6.5 ----
P8888	6.3 ----	6.1 --	6.3 ----	6.1 ----	6.7 ----
SY Glorius	6.1 -	5.9 -	6.0 --	6.2 ----	6.3 --
SY Enermax	6.6 -----	6.7 -----	6.4 -----	6.6 -----	6.8 -----
KWS Shako	6.3 ----	6.3 ----	6.2 ----	6.2 ----	6.7 ----
KWS Inteligens	6.4 -----	6.5 -----	6.2 ----	6.3 ----	6.9 -----
KWS Haiko	6.2 --	6.1 --	5.9 -	6.2 ----	6.5 ----
KWS Sabino	6.5 -----	6.5 -----	6.3 ----	6.2 ----	6.8 ----
SY Amfora	6.5 -----	6.5 -----	6.4 ----	6.4 ----	6.9 ----
P9610	6.6 -----	6.4 ----	6.6 -----	6.7 -----	6.8 ----
LZM370/45	6.2 --	6.3 ----	6.0 --	6.2 ----	6.4 ----
P8782	6.3 ----	6.4 ----	6.4 ----	5.9 -	6.5 ----
Purple	6.6 -----	6.4 ----	6.6 -----	6.4 ----	7.0 ----
KXC0151	6.3 ----	6.5 ----	6.2 ----	5.9 -	6.6 ----
KXC0204	6.1 -	6.2 ----	6.0 --	6.2 ----	6.1 -
KXC0337	6.5 -----	6.4 ----	6.6 -----	6.5 ----	6.5 ----
DFI7ZM3E734	6.1 -	6.0 -	6.1 ----	6.1 --	6.4 --
Vitalico KWS	6.3 ----	5.9 -	6.2 ----	6.4 ----	6.5 ----
P9911	6.5 -----	6.7 -----	6.2 ----	6.5 ----	6.7 ----
Erasmus	6.4 ----	6.1 --	6.2 ----	6.4 ----	6.7 ----
LG 31280	6.4 ----	6.6 -----	6.2 ----	6.2 ----	6.8 ----
LG 31479	6.6 -----	6.4 ----	6.4 ----	6.6 -----	7.1 ----
P8834	6.6 -----	6.6 -----	6.2 ----	6.6 -----	7.2 ----
P9363	6.5 -----	6.4 ----	6.3 ----	6.6 -----	6.8 ----
SY Impulse	6.5 -----	6.5 -----	6.2 ----	6.6 -----	6.8 ----
Farmumba	6.3 ----	6.0 --	6.4 ----	6.2 ----	6.7 ----
DKC 3990	6.5 -----	6.5 -----	6.1 --	6.6 -----	6.7 ----
-Bezugsgrösse(n)	6.5 -----	6.4 -----	6.4 -----	6.4 -----	6.7 -----
Versuchs-Mittel	6.4 ----	6.3 ----	6.3 ----	6.3 ----	6.7 ----
VK [%]	3.6	4.6	3.9	3.0	3.0
KGD (5%)	0.2	ns	ns	0.3	0.4
KGD (1%)	0.3	ns	ns	0.4	0.6
Versuchs-Streuung	0.2	0.3	0.2	0.2	0.2
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7.1	27	5.10 ***	1.56	0.0000
Anbauorte	7.5	3	48.14 ***	2.66	0.0000
WW Verf.*Anb.Orte	5.5	81	1.32 ns	1.36	0.0718
Fehler	8.3	161			
Insgesamt	28.5	272			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8193 Eglisau ZH	9436 Balgach / SG
Figaro KWS	6.5 ----	6.1 --	6.3 ----	6.3 ----	7.1 -----
P8666	6.5 ----	6.4 ----	6.4 ----	6.4 ----	6.8 ----
P8888	6.4 ---	6.1 --	6.5 -----	6.2 ---	6.9 -----
SY Glorius	6.2 -	6.0 -	6.1 --	6.4 ----	6.4 ---
SY Enermax	6.9 -----	7.0 -----	6.6 -----	6.9 -----	7.2 -----
KWS Shako	6.5 ----	6.5 ----	6.3 ----	6.2 ---	6.9 ----
KWS Inteligens	6.6 -----	6.8 -----	6.3 ----	6.4 ----	7.1 -----
KWS Haiko	6.3 --	6.2 ---	5.9 -	6.3 ----	6.7 ----
KWS Sabino	6.7 -----	6.8 -----	6.5 -----	6.3 ----	7.1 ----
SY Amfora	6.7 -----	6.6 -----	6.6 -----	6.5 -----	7.1 -----
P9610	6.8 -----	6.5 ----	6.8 -----	6.9 -----	7.1 ----
LZM370/45	6.3 ---	6.4 ----	6.0 --	6.3 ----	6.6 ---
P8782	6.5 ----	6.6 ----	6.5 ----	6.0 -	6.8 ----
Purple	6.8 -----	6.6 ----	6.9 -----	6.6 ----	7.3 -----
KXC0151	6.4 ---	6.6 ----	6.3 ---	5.9 -	6.9 ----
KXC0204	6.2 -	6.3 ---	6.0 --	6.2 ---	6.1 -
KXC0337	6.7 -----	6.6 ----	6.8 -----	6.7 -----	6.7 ----
DFI7ZM3E734	6.2 --	6.0 -	6.2 ---	6.2 ---	6.6 ---
Vitalico KWS	6.4 ---	5.9 -	6.3 ----	6.6 ----	6.7 ----
P9911	6.7 -----	6.9 -----	6.4 ----	6.7 -----	6.9 ----
Erasmus	6.5 ----	6.2 ---	6.4 ----	6.5 -----	7.0 ----
LG 31280	6.6 ----	6.8 -----	6.2 ---	6.3 ---	7.0 ----
LG 31479	6.8 -----	6.6 ----	6.6 ----	6.8 -----	7.4 -----
P8834	6.9 -----	6.8 ----	6.3 ---	6.9 -----	7.6 -----
P9363	6.7 -----	6.5 ----	6.4 ----	6.7 -----	7.1 ----
SY Impulse	6.7 -----	6.6 ----	6.3 ---	6.9 -----	7.1 ----
Farmumba	6.5 ----	6.1 --	6.6 ----	6.3 ----	6.9 ----
DKC 3990	6.7 -----	6.7 -----	6.2 ---	6.8 -----	7.0 ----
-Bezugsgrösse(n)	6.7 -----	6.6 -----	6.5 -----	6.6 -----	7.0 -----
Versuchs-Mittel	6.6 ----	6.4 ----	6.4 ----	6.5 ----	6.9 ----
VK [%]	4.6	6.0	5.0	3.9	3.8
KGD (5%)	0.3	ns	ns	0.4	0.5
KGD (1%)	0.4	ns	ns	0.5	0.7
Versuchs-Streuung	0.3	0.4	0.3	0.3	0.3
FG Fehlerterm	161.0	27.0	53.0	54.0	27.0
Anz. Beob.	10.0	2.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12.1	27	4.91 ***	1.56	0.0000
Anbauorte	12.7	3	46.34 ***	2.66	0.0000
WW Verf.*Anb.Orte	9.1	81	1.24 ns	1.36	0.1267
Fehler	14.7	161			
Insgesamt	48.6	272			



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössisches Departement für
Wirtschaft, Bildung und Forschung WBF

Agroscope