



Résultats des essais variétaux de maïs ensilage 2025

Resultate der Hauptversuche Silomais 2025

Autoren

Jürg Hiltbrunner, Mauricio Benincore, Tobias Huber und
Pierre Pignon

Partner

Delley Samen und Pflanzen AG
Stéphanie Bräunlich, Marlyse Raemy und Martin Zuber, Agroscope



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Quelques points clés concernant le contenu de ce document

- *En collaboration avec l'entreprise Delley semences et plantes SA, Agroscope teste chaque année de nouvelles variétés de maïs fourrager suisses et étrangères afin de déterminer leur valeur agronomique et technique en Suisse.*
- *Nous recherchons avant tout une combinaison de la précocité, de la stabilité, de la résistance aux maladies et de la constance du rendement.*
- *L'analyse de la teneur en matière organique digestible de la substance sèche informe sur la concentration énergétique et par conséquent sur les possibilités les plus efficaces de mise en valeur de la biomasse récoltée.*
- *Les résultats servent de base au catalogue national des variétés (liste des variétés de maïs autorisées) ainsi qu'à la liste des variétés recommandées publiée chaque année par Agroscope et l'organisation sectorielle Swiss granum.*
- *Ce rapport décrit les sites, les mesures de gestion et les résultats des essais variétaux sur le maïs ensilage de l'année en cours.*
- *Les résultats moyens sur deux ans sont présentés dans le rapport « Résultats des essais variétaux de maïs ensilage 2024–2025 ».*

Einige Eckpunkte zum Inhalt dieses Dokuments

- Agroscope prüft jährlich in Zusammenarbeit mit Delley Samen und Pflanzen AG neue in- und ausländische Futtermais-Sorten im Hinblick auf ihre Anbau- und Verwendungseignung in der Schweiz.
- Im Vordergrund steht die Kombination von Frühreife, Futterqualität, Standfestigkeit und Ertragssicherheit.
- Die Analyse des Gehaltes an verdaulicher organischer Substanz in der Trockensubstanz gibt Hinweise auf die Energiekonzentration und damit auf die effizienteste Verwertungsmöglichkeit der geernteten Biomasse.
- Die Ergebnisse bilden die Grundlage für die Aufnahme neuer Sorten in den nationalen Sortenkatalog (Liste der zugelassenen Maissorten) sowie die durch Agroscope und die Branchenorganisation Swiss granum jährlich publizierte Liste der empfohlenen Sorten.
- Dieser Bericht beschreibt die Standorte, die Bewirtschaftungsmassnahmen und die Resultate der Sortenversuche Silomais des aktuellen Jahres.
- Die über zwei Jahre gemittelten Ergebnisse sind im Bericht «Resultate der Hauptversuche Silomais 2024–2025» zu finden

Legende / Légende

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

Danksagung

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

Remerciements

Les présents résultats n'auraient pas pu être obtenus sans la collaboration de différentes personnes. Nous tenons donc à remercier tout particulièrement les agriculteurs des différents sites d'essai, les collaborateurs de DSP Delley, les personnes qui ont travaillé dans les laboratoires de qualité à Posieux et Reckenholz, ainsi que les nombreux assistants pour leur précieux soutien et leur agréable collaboration.

1 Merkmale / Critères

Rendement / Ertrag

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

Précocité / Frühreife

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

Vigueur au départ / Jugendentwicklung

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

Verse en végétation / Wurzellager während Vegetation

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

Verse à la récolte / Wurzellager zum Zeitpunkt der Ernte

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

Charbon / Beulenbrand

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

Hauteur / Pflanzenhöhe

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

Hauteur de l'épi / Ansatzhöhe des Hauptkolbens

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

Hauteur relative de l'épi / Relative Kolbenansatzhöhe

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

Floraison / Blühbeginn

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

Pyrale / Maiszünsler

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

Densité / Bestandesdichte

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

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

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

Teneur en amidon (NIRS) / Stärkegehalt (NIRS)

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

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

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

NDF (NIRS) / Zellwandanteil (NIRS)

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

ADF (NIRS) / ADF (NIRS)

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

ADL (NIRS) / ADL (NIRS)

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

Teneur en protéines (NIRS) / Proteingehalt (NIRS)

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

NEL / NEL

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

NEV / NEV

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

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

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

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

Qualité / Qualität:

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

Rendement / Ertrag:

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

Précocité / Reife:

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

Vigueur au départ / Jugendentwicklung:

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

Verse en végétation / Lagerung während Vegetation:

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

Verse à la récolte / Lagerung bei Ernte:

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

Plantes cassées à la récolte / Stängelbruch bei Ernte:

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

Charbon / Beulenbrand:

- Valeur de base moins le pourcentage de plantes 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 blickt auf den viertwärmsten Frühling seit Messbeginn zurück. Die Niederschlagssummen blieben in weiten Gebieten unterdurchschnittlich. Überdurchschnittliche Frühlingssummen verzeichneten die Alpensüdseite, das Engadin und ein grosser Teil des Wallis.

Abweichung der Saisontemperatur / *écart à la norme de la température saisonnière*

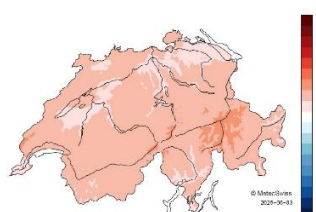


Abb 1: Räumliche Verteilung der Temperatur im Frühling 2025 (März bis Mai), dargestellt in % der Referenz 1991-2020.

Niederschlag / *précipitations*

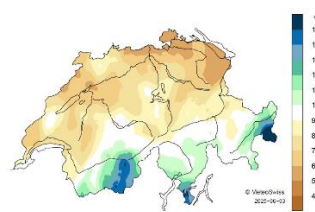


Abb 2: Räumliche Verteilung der Niederschlagssumme im Frühling 2025 (März bis Mai) dargestellt in % der Referenz 1991-2020.

Sommer / Eté

Der Sommer 2025 zählt zu den sieben wärmsten Sommern seit Messbeginn. Die Hitze im Juni und August wurde von einem weitgehend nassen und eher kühlen Juli unterbrochen. Die Niederschlagssummen waren im Norden, im Süden und im Osten der Schweiz überdurchschnittlich, in der Westschweiz unter der Referenz 1991-2020.

Abweichung der Saisontemperatur / *écart à la norme de la température saisonnière*

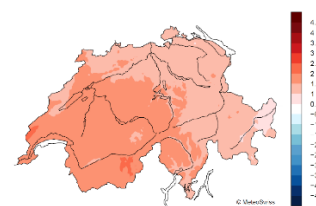


Abb 3: Räumliche Verteilung der Temperatur im Sommer 2025 (Juni bis August), dargestellt in % der Referenz 1991-2020.

Niederschlag / *précipitations*

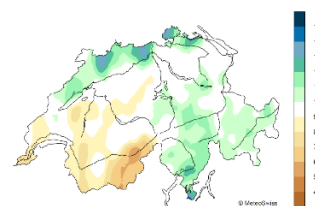


Abb 4: Räumliche Verteilung der Niederschlagssumme im Sommer 2025 (Juni bis August) dargestellt in % der Referenz 1991-2020.

Herbst / Automne

Die Durchschnittstemperatur der Monate September, Oktober und November 2025 lag 0,1 °C über dem Mittelwert der Referenzperiode 1991-2020. Auf den leicht überwärmten September folgten ein kühler Oktober und ein November im Bereich der Referenztemperatur. Der Herbst begann beidseits der Alpen nass. Oktober und November waren im Westen und im Norden niederschlagsreich, in den übrigen Landesteilen niederschlagsarm.

Abweichung der Saisontemperatur / *écart à la norme de la température saisonnière*



Abb 5: Räumliche Verteilung der Temperatur im Herbst 2025 (September bis November), dargestellt in % der Referenz 1991-2020.

Niederschlag / *précipitations*

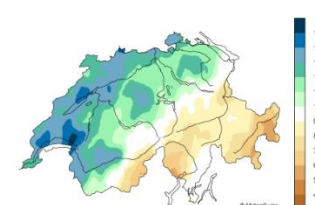


Abb 6: Räumliche Verteilung der Niederschlagssummen im Herbst 2025 (September bis November), dargestellt in % der Referenz 1991-2020.

Quelle: MeteoSchweiz 2025: Klimabulletin Frühling/Sommer/Herbst 2025. 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	2025	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	380	16.05.2025	08.09.2025
1725	Grangeneuve (Posieux)	650	01.05.2025	12.09.2025
3065	Habstetten	690	09.05.2025	02.10.2025
5643	Alikon	490	02.05.2025	05.09.2025
8046	Reckenholz	440	23.04.2025	29.08.2025
8193	Eglisau	390	09.05.2025	27.08.2025
8566	Ellighausen	503	13.05.2025	19.09.2025

4.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
KWS Papageno	KXB7313	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/S
DKC 3218	ET3286	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM01/S
Emeleen	LZM168/49	TC	Advanta (LG)	Schweizer AG, Thun / Hauenstein, Rafz		SM01/S
KWS Glasgo	KXC0111	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	SM01/S
Wesley	LZM170/52	SC	Limagrain, Europe	Fenaco, Moudon		SM01/S
ES Myrdal	ESZ9001	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM01/S
LG 31210	LZM173/74	SC	Limagrain, Europe	Fenaco, Moudon		SM01/e2
Zinedeen	LZM173/33	TC	Limagrain, Europe	Fenaco, Moudon		SM01/e2
DKC 3359	EY3435	SC	Monsanto, USA	Bayer CropScience		SM01/e2
DKC 2956	EX2976	SC	Monsanto, USA	Bayer CropScience		SM01/e2
Bakersfield	ESZ21106	SC	Lidea, Norderstedt	?		SM01/e2
SY Broncos	SB1132	SC	Syngenta, CH	Syngenta, Stein		SM01/e2
	LZM173/72	SC	Limagrain, Europe	Fenaco, Moudon		SM01/e1
	LZM173/46	TC	Limagrain, Europe	Fenaco, Moudon		SM01/e1
Silvio	KXC0311	SC	KWS, Einbeck	Fenaco, Moudon		SM01/e1
	KXC4101	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	KXC4167	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM01/e1
	SB0934	SC		Syngenta, Stein	KM01/e1	SM01/e1
(Symetric)	SB0904	SC		Syngenta, Stein	KM01/e1	SM01/e1
Stribel	EX2975	TC		Syngenta, Stein		SM01/e1
	SB0594	TC		Syngenta, Stein		SM01/e1
Rafting	SB12 o. SB1212	SC	DSV, D	?	KM01/e1	SM01/e1
Bajeno	KXC3123	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM01/T
LG 31217	LZM168/47	TC	Limagrain, Europe	Fenaco, Moudon		SM01/T

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

Technische Versuchsausgaben / données techniques / technical information							
Standort / lieu / site:	Nyon (380 m ü.M.)	Grangeneuve (654 m ü.M.)	Habstetten (620 m ü.M.)	Alikon (484 m ü.M.)	Reckenholz (384 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503 m ü.M.)
Bodenart / type de sol / soil type:	Limono sabieux	Moyen	Sandiger Lehm, pH 5.5	Schwach humoser Schlufflehm	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):	359 mm (www.humidité des sols.ch station Changins) 1637.8 °C (Agrométéo station Changins) Irrigation: 30.06.2025 : 30 mm 10.07.2025 : 30 mm 12.08.2025 : 30 mm	468.2 mm (météo Suisse Posieux) 1537.7 °C (météo Suisse Posieux)	594.9 mm (selon Agro Météo station Zäziwil) 1546.7°C (selon Agro Météo station Zäziwil)	487.7 (SM01, SM03) mm (Agrométéo Hohenrain) 1579.6 (SM01, SM11)°C (Agrométéo Hohenrain)	472.5 mm (Meteostation Reckenholz) 1539.3 °C (Meteostation Reckenholz)	303.9 mm (Agrométéo Steinmaur) 1422.7 °C (Agrométéo Steinmaur)	448.9 mm (Agrométéo Ellighausen) 1574.3 °C (Agrométéo 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 1.33m Weg (20 m2 brutto), 10m2 netto	4reihig, mit 1.33m Weg (20 m2 brutto), 10 m2 netto	4reihig, mit 1.33m Weg (20 m2 brutto), 10m2 netto	15m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m2 netto	15m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m2 netto	15m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m2 netto	15m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m2 netto
Vorfrucht / précédent cultural / previous crop:	Luzerne	Prairie temporaire / Kunstwiese / temporary grassland	orge	Luzerne	Sommerweizen	Prairie temporaire / Kunstwiese / temporary grassland	Raps, Gründüngung: Steffen Terra Green Frigo
Bodenbearbeitung / travail du sol / soil cultivation:	labour 10.03.2025 - vibroculteur 30.04.2025 herse rotative 15.05.2025	Labour le 30.04.2025. Préparation pour semis, herse rotative 01.05.2025	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary/harrow 01.04 et 01.05 2025	01.05.2025 Streifenfrässaat	14.01.25 Mulcher, 03.04.25 Pflug, 08.04.25 Kreiselegge, 22.04.25 Kreiselegge	07.05.25 Pflug, 08.05.25 Kreiselegge	03.04.25 Gründüngung Mulchen, 04.04.25 Pflügen, 04.04.25 Walzen gegen Austrocknung Saatbeet
Saat / date de semis / sowing date:	16.05.2025 (jour 136)	01.05.2025 (jour 121)	09.05.2025 (jour 129)	02.05.2025	23.04.2025	09.05.2025	13.05.2025
Ernte / date de récolte / harvest date:	08.09.25 (jour 251)	12.09.2025 (jour 255)	02.10.2025 (jour 275)	04.09.2025	29.08.2025	27.08.2025	19.09.2025
Saatdichte / densité de semis / sowing density:	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2
Vegetationsdauer / durée de végétation / growing period	115 Tage / jours / days	134 Tage / jours / days	146 Tage / jours / days	125 Tage / jours / days	128 Tage / jours / days	110 Tage / jours / days	129 Tage / jours / days
Reihenabstand / interlignes / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	11.06.25 Hacken kombiniert mit Düngerausbringung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	12.06.2025 : Equip Power 1,25 l /Spectrum 1 l/ha	31.05.2025, Equip Power: 1.714 l/ha	31.05.2025 Callisto 1 l / ha Equip Power 1.2 l / ha	14.05.25: 1.5l/ha Equip Power und 0.25l Spectrum (in 2x gespritzt, damit weniger Stress für Maispflanzen)	12.05.25: 2kg/ha Metarex Inov, 16.05.25: 3l/ha Pendimethalin SA-400 SC + 1.4l/ha Spectrum, 30.05.25: 0.2kg/ha Arrat + 2l/ha Laudis + 1l/ha Dash	31.05.25: 2l/ha Stomp Aqua BASF W-6880 + 1.4l/ha Spectrum BASF W-6075 + 1.5l/ha Laudis W-6553	31.05.25: 1.2l/ha Equip Power + 0.5l/ha Callisto + 1.2l/ha Spectrum + 2l/ha Megafol
Grunddüngung / fumure de base / basic fertilisation:	-	19.03.2025: 39.4 m3/ha Liser bovins 5-10-20 : 19 kg N, 39 kg P2O5, 78 kg K2O 30.04.2025 : 50 m3/ha Liser bovins 5-10-20: 25 kg N 50 kg P2O5 100 kg K2O	28.03.25 : Granulphos 18 %: 300 kg /ha = 54 kg P/ha, Kali 60 %: 200 kg/ha = 120 kg K/ha	03.05.25 28m3/ha Schweinegülle verdünnt , 24.05.25 30m3/ha Schw.g. v.	20.01.25: 355kg/ha Patentkali 30+6Mg (88.4kg K/ha)	455kg/ha PK Dünger Landor 20.10.10 (91 / 136kg PK/ha)	04.04.25: 38m3/ha Rindergülle (38 / 38 / 140.6 / 11.4kg NPK/ha) + 7l/ha Stappelmist (6.3 / 16.8 / 54.6 / 4.2 NPK/ha)
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 222 kg/ha Nitrate d'ammoniaque 27.0.0 : 60 N 28.05.2025 : 110 kg/ha Urée perée 46 % : 51 N	Nitrotec 26 % 342.4 kg / ha 89 kg N	19.05.25 :171 kg/ha ammonitrate 27.5 % : 47 kg N/ha : 06.06.25 : 160 kg/ha Harnstoff 46 % : 74 kg N /ha	06.06.25: 92kg/ha Harnstoff 46% (42kg N/ha)	20.05.25: 210kg/ha Mg-Ammonsalpeter 24%+S 50kg N/ha, 11.06.25: 175kg/ha Harnstoff 46% (81kg N/ha)	14.05.24: 227kg Harnstoff 46% (105kg N/ha)	11.05.25: 150kg/ha Harnstoff 46% (69kg N/ha), 04.06.25 180kg/ha Harnstoff 46% (82kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N minéralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-
Ernte / Récolte / harvest:	Baural Mashäcker / ensileuse expérimentale			New Holland Versuchsmäshäcker / ensileuse expérimentale			

4.1.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwicklung	Wurzellag. Veget.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
DKC 2956	e2	-1.11	4.66	2.28	0.22		1.29	0.45	0.45	3.55	4.69	8.24
DKC 3359	e2	-3.35	7.02	0.77	0.34		-0.45	0.00	0.52	3.67	1.19	4.86
DKC 3218	S	0.13	-0.05	0.36	-0.13		2.68	0.89	0.39	0.08	4.19	4.27
Bajeno	T	-0.28	1.38	0.81	0.03		-0.45	0.45	-0.21	1.10	0.63	1.73
Stribel	e1	-3.83	0.56	2.20	0.27		1.34	0.45	-0.29	-3.27	3.97	0.70
SB0934	e1	-1.74	5.60	-0.69	0.32		-2.29	-1.79	0.38	3.86	-4.07	-0.21
(Symetric)	e1	-3.72	7.51	-1.55	0.08		-3.13	-1.79	-0.18	3.79	-6.57	-2.78
KXC4167	e1	-2.85	4.40	-0.41	0.27		-3.13	-1.79	-0.36	1.55	-5.42	-3.87
KWS Papageno	S	-0.13	0.05	-0.36	0.13		-2.68	-0.89	-0.39	-0.08	-4.19	-4.27
Zinedeen	e2	-2.99	8.13	-1.62	0.32		-4.52	-4.02	-0.26	5.14	-10.10	-4.96
LZM173/72	e1	-1.97	-1.49	0.31	0.18		-1.34	-0.89	-0.07	-3.46	-1.81	-5.27
LG 31217	T	-2.31	2.06	-0.82	0.15		-1.34	-3.57	0.22	-0.25	-5.36	-5.61
SB0594	e1	-5.48	2.15	-1.22	0.27		-2.38	-0.45	0.16	-3.33	-3.62	-6.95
LG 31210	e2	-4.27	2.36	-0.93	0.39		-2.68	-3.57	0.09	-1.91	-6.70	-8.61
Rafting	e1	-5.10	0.91	-1.55	0.22		-4.12	-0.89	0.13	-4.19	-6.21	-10.40
LZM173/46	e1	-10.45	7.15	-2.47	0.34		-3.49	-2.23	-0.11	-3.30	-7.96	-11.26
Silvio	e1	-5.30	1.21	-1.54	-0.28		-3.67	-1.34	-0.58	-4.09	-7.41	-11.50
KWS Glasgo	S	-2.48	-1.98	-1.39	0.08		-4.02	-2.23	0.49	-4.46	-7.07	-11.53
ES Myrdal	S	-2.10	-1.43	1.08	0.34		-7.02	-4.91	0.40	-3.53	-10.11	-13.64
Emeleen	S	-3.51	-3.16	-0.31	0.18		-4.02	-3.13	-0.18	-6.67	-7.46	-14.13
SY Broncos	e2	-2.58	-6.74	-2.15	0.18		-3.73	0.00	0.26	-9.32	-5.44	-14.76
KXC4101	e1	-6.06	3.73	-2.03	0.34		-6.25	-5.36	0.36	-2.33	-12.94	-15.27
Bakersfield	e2	-5.88	-1.09	-2.40	0.03		-5.75	-2.23	0.52	-6.97	-9.83	-16.80
Wesley	S	-2.27	-1.65	-0.59	0.11		-6.70	-6.70	0.26	-3.92	-13.62	-17.54
Bezugsgrößen		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Anz. Beob.		21	21	21	21		6	3	21			
Anz. Orte		7	7	7	7		2	1	7			
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25			

4.1.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	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 Ernte %	Stängel- bruch Ernte %	Beulen- brand %
KWS Papageno	3.6	69.7	70.3	243.7	116.7	48.1	31.3	29.2	5.1
DKC 3218	4.1	72.5	71.9	232.0	97.7	42.9	6.3	12.5	1.9
Emeleen	3.5	70.1	70.0	265.0	118.0	44.5	37.5	50.0	4.2
KWS Glasgo	3.7	72.8	71.5	249.3	119.7	48.2	37.5	41.7	1.5
Wesley	3.6	71.9	71.1	251.0	114.0	45.6	50.0	83.3	2.4
ES Myrdal	3.1	69.4	69.7	263.7	112.7	43.0	51.5	66.7	1.9
LG 31210	3.0	72.3	71.3	261.0	126.3	48.5	31.3	54.2	3.1
Zinedeen	3.2	71.4	70.4	272.7	132.7	48.7	39.8	58.3	4.5
DKC 3359	3.1	72.7	72.8	255.0	108.0	42.4	20.8	20.8	1.4
DKC 2956	3.4	72.4	71.8	251.3	104.3	41.6	12.7	16.7	1.7
Bakersfield	3.8	73.0	72.1	264.0	119.0	45.2	45.6	41.7	1.4
SY Broncos	3.5	71.8	71.4	254.0	120.3	47.4	36.2	20.8	2.5
LZM173/72	3.5	71.0	70.6	248.3	120.0	48.5	25.0	29.2	3.8
LZM173/46	3.1	73.1	72.1	284.7	136.7	48.0	35.0	41.7	3.9
Silvio	4.4	73.4	73.4	264.3	125.3	47.4	35.9	33.3	5.8
KXC4101	3.1	72.9	72.1	265.0	133.0	50.3	47.9	70.8	2.0
KXC4167	3.3	70.4	70.7	257.7	123.7	48.0	33.3	37.5	4.9
SB0934	3.2	71.6	70.6	261.3	125.7	48.2	29.4	37.5	2.0
(Symetric)	3.7	72.7	72.8	265.7	133.3	50.3	33.3	37.5	4.2
Stribel	3.3	70.9	70.5	248.3	104.3	42.1	12.5	16.7	4.7
SB0594	3.3	71.9	71.1	267.7	132.7	49.6	29.9	25.0	2.8
Rafting	3.4	73.7	72.3	253.3	118.3	46.8	38.0	29.2	3.0
Bajeno	3.8	71.9	71.6	255.3	120.3	47.1	20.8	16.7	4.3
LG 31217	3.5	71.3	70.5	263.0	127.7	48.5	25.0	54.2	2.6
Bezugsgrösse(n)	3.8	71.1	71.1	237.8	107.2	45.5	18.8	20.8	3.5
Versuchs-Mittel	3.5	71.9	71.4	258.2	120.4	46.7	31.9	38.5	3.2
VK [%]	17.9	1.6	1.5	4.4	8.0	7.8	38.4	49.5	98.9
KGD (5%)	0.4	0.8	0.8	8.2	6.9	2.6	14.1	31.4	1.9
KGD (1%)	0.5	1.1	1.0	10.9	9.1	3.4	18.7	42.0	2.5
Versuchs-Streuung	0.6	1.1	1.1	11.5	9.6	3.6	12.3	19.1	3.1
FG Fehlerterm	310.0	222.0	222.0	222.0	224.0	224.0	88.0	44.0	314.0
Anz. Beob.	21.0	15.0	15.0	15.0	15.0	15.0	6.0	3.0	21.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	5.0	2.0	1.0	7.0
Minimum	3.0	69.4	69.7	232.0	97.7	41.6	6.3	12.5	1.4
Maximum	4.4	73.7	73.4	284.7	136.7	50.3	51.5	83.3	5.8

Sorten Bezeich- nung	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS
KWS Papageno	9.7	618.8	218.5	35.4	167.3	89.9	766.9	409.7	168.1
DKC 3218	8.8	606.6	218.3	35.9	167.4	89.6	767.5	409.7	166.9
Emeleen	9.5	601.6	212.1	35.4	160.8	86.9	758.4	408.3	170.1
KWS Glasgo	9.5	621.1	214.4	34.6	163.4	89.3	761.0	413.5	169.2
Wesley	9.6	610.6	215.1	35.2	163.8	90.7	761.5	418.6	168.3
ES Myrdal	9.2	589.4	215.5	36.5	164.2	90.1	762.0	413.7	168.4
LG 31210	9.6	639.8	223.1	34.9	168.7	89.0	756.5	396.4	174.3
Zinedeen	9.6	682.1	234.6	34.4	178.0	96.3	759.7	407.7	172.4
DKC 3359	9.3	639.8	232.4	36.3	176.2	92.8	758.8	397.2	173.0
DKC 2956	9.2	606.9	227.7	37.5	174.1	93.8	764.4	409.3	168.5
Bakersfield	8.7	640.4	216.2	33.7	162.6	87.2	752.5	399.9	175.9
SY Broncos	9.6	604.3	204.9	33.9	155.9	83.4	760.8	405.3	172.8
LZM173/72	9.5	601.8	215.4	35.9	164.0	88.2	762.3	407.2	171.2
LZM173/46	9.7	691.4	232.7	33.7	172.0	88.2	741.1	379.4	183.1
Silvio	9.6	644.5	220.8	34.4	166.4	89.4	754.0	401.6	173.9
KXC4101	9.6	667.6	225.8	34.0	169.7	89.4	752.1	393.5	179.1
KXC4167	9.2	646.6	227.2	35.3	172.6	93.0	760.1	407.8	174.3
SB0934	9.6	654.1	229.6	35.1	174.8	95.4	762.9	414.4	173.0
(Symetric)	9.7	679.6	233.4	34.4	176.8	95.1	757.9	405.3	176.9
Stribel	9.4	586.2	219.5	37.4	166.0	86.2	757.6	391.2	175.5
SB0594	9.8	646.2	222.7	34.7	167.8	87.1	753.5	388.7	179.2
Rafting	9.6	641.9	220.2	34.4	166.1	90.7	754.5	409.5	175.9
Bajeno	9.7	611.6	221.1	36.3	169.4	91.9	766.5	412.9	169.5
LG 31217	9.8	634.8	222.5	35.0	169.5	92.3	761.5	412.2	171.5
Bezugsgrösse(n)	9.3	612.7	218.4	35.7	167.4	89.8	767.2	409.7	167.5
Versuchs-Mittel	9.5	632.0	221.8	35.2	168.2	90.2	758.9	404.7	173.0
VK [%]	4.8	6.1	6.9	5.5	7.6	10.5	2.4	6.7	6.8
KGD (5%)	0.3	23.4	9.2	1.2	7.7	5.8	11.2	16.4	7.1
KGD (1%)	0.4	30.9	12.2	1.5	10.2	7.6	14.8	21.6	9.4
Versuchs-Streuung	0.5	38.6	15.2	1.9	12.8	9.5	18.5	27.0	11.8
FG Fehlerterm	310.0	310.0	310.0	308.0	310.0	312.0	318.0	314.0	316.0
Anz. Beob.	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	8.7	586.2	204.9	33.7	155.9	83.4	741.1	379.4	166.9
Maximum	9.8	691.4	234.6	37.5	178.0	96.3	767.5	418.6	183.1

Sorten Bezeich- nung	NDF Gehalt NIR g/kg TS	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS	Aschen Gehalt NIR g/kg TS
KWS Papageno	377.6	196.5	19.0	77.2	7.1	7.5	31.1
DKC 3218	377.0	195.7	18.7	77.1	7.1	7.5	30.8
Emeleen	383.1	199.9	19.9	77.3	7.0	7.4	31.2
KWS Glasgo	381.7	197.8	19.6	75.1	7.0	7.4	30.5
Wesley	382.0	196.9	18.9	75.5	7.0	7.4	30.6
ES Myrdal	378.6	197.9	19.5	75.5	7.1	7.4	30.7
LG 31210	388.0	203.5	19.8	77.6	7.0	7.4	32.2
Zinedeen	383.5	201.1	19.6	75.9	7.0	7.4	31.1
DKC 3359	388.4	201.4	18.8	75.5	7.0	7.4	31.1
DKC 2956	379.2	196.7	18.9	77.4	7.1	7.5	31.0
Bakersfield	387.9	206.2	20.1	76.5	6.9	7.3	31.8
SY Broncos	384.5	201.3	19.4	77.7	7.0	7.4	31.7
LZM173/72	379.4	199.1	19.0	79.2	7.1	7.4	32.0
LZM173/46	401.4	214.8	21.1	76.6	6.8	7.1	33.0
Silvio	390.1	203.4	19.4	74.8	7.0	7.3	31.1
KXC4101	392.9	208.1	19.9	75.8	6.9	7.3	32.2
KXC4167	384.2	202.2	19.5	76.9	7.0	7.4	31.5
SB0934	383.8	200.3	19.3	75.0	7.1	7.4	30.6
(Symetric)	384.8	205.1	20.0	76.0	7.0	7.4	31.5
Stribel	390.8	205.0	19.1	76.2	7.0	7.4	31.5
SB0594	390.3	208.9	19.9	77.5	7.0	7.3	32.2
Rafting	390.1	205.2	19.4	75.2	7.0	7.3	31.7
Bajeno	377.3	197.6	18.6	77.4	7.1	7.5	31.0
LG 31217	382.0	200.9	19.2	74.9	7.0	7.4	30.6
Bezugsgrösse(n)	377.3	196.1	18.8	77.1	7.1	7.5	31.0
Versuchs-Mittel	384.9	201.9	19.4	76.4	7.0	7.4	31.4
VK [%]	4.8	7.0	8.2	4.2	3.0	3.7	5.7
KGD (5%)	11.2	8.6	1.0	2.0	0.1	0.2	1.1
KGD (1%)	14.7	11.3	1.3	2.6	0.2	0.2	1.4
Versuchs-Streuung	18.4	14.2	1.6	3.2	0.2	0.3	1.8
FG Fehlerterm	316.0	316.0	318.0	312.0	318.0	318.0	318.0
Anz. Beob.	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	377.0	195.7	18.6	74.8	6.8	7.1	30.5
Maximum	401.4	214.8	21.1	79.2	7.1	7.5	33.0

4.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	3.6 ----	5.7 -----	4.7 ----	4.7 -----	2.3 -----
DKC 3218	4.1 -----	5.7 -----	6.0 -----	5.3 -----	1.3 ---
Emeleen	3.5 ----	5.7 -----	4.7 ----	4.3 ----	2.0 -----
KWS Glasgo	3.7 ----	5.3 -----	4.7 ----	4.7 -----	2.3 -----
Wesley	3.6 ----	5.0 ---	5.3 -----	5.0 -----	2.3 -----
ES Myrdal	3.1 -	4.7 --	4.7 ----	4.0 --	1.7 ----
LG 31210	3.0 -	4.3 -	4.3 --	4.7 -----	2.0 -----
Zinedeen	3.2 --	4.7 --	4.7 ----	4.3 ----	2.0 -----
DKC 3359	3.1 -	5.0 ---	4.3 --	4.3 ----	1.0 -
DKC 2956	3.4 ---	5.0 ---	4.7 ----	4.3 ----	1.7 ----
Bakersfield	3.8 -----	5.7 -----	5.0 -----	4.3 ----	2.7 -----
SY Broncos	3.5 ----	5.3 -----	4.7 ----	4.7 -----	2.0 -----
LZM173/72	3.5 ----	5.3 -----	4.7 ----	4.3 ----	2.3 -----
LZM173/46	3.1 -	4.7 --	4.3 --	4.0 --	1.7 ----
Silvio	4.4 -----	6.7 -----	6.0 -----	5.7 -----	2.7 -----
KXC4101	3.1 -	6.0 -----	4.0 -	4.7 -----	1.3 ---
KXC4167	3.3 --	4.7 --	4.7 ----	4.3 ----	2.0 -----
SB0934	3.2 --	5.0 ---	4.3 --	4.0 --	1.7 ----
(Symetric)	3.7 ----	5.7 -----	5.0 -----	4.7 -----	2.3 -----
Stribel	3.3 --	4.7 --	4.3 --	4.3 ----	1.3 ---
SB0594	3.3 --	5.0 ---	4.3 --	3.7 -	2.3 -----
Rafting	3.4 ---	5.0 ---	5.0 -----	4.7 -----	2.3 -----
Bajeno	3.8 -----	5.0 ---	5.3 -----	5.0 -----	2.3 -----
LG 31217	3.5 ----	5.0 ---	4.7 ----	4.7 -----	2.7 -----
-Bezugsgrösse(n)	3.8 -----	5.7 -----	5.3 -----	5.0 -----	1.8 -----
Versuchs-Mittel	3.5 ----	5.2 ----	4.8 ----	4.5 ----	2.0 -----
VK [%]	17.9	9.9	12.8	9.3	24.2
KGD (5%)	0.4	0.8	1.0	0.7	0.8
KGD (1%)	0.5	1.1	ns	0.9	1.1
Versuchs-Streuung	0.6	0.5	0.6	0.4	0.5
FG Fehlerterm	310.0	44.0	44.0	44.0	44.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	50.0	23	5.67 ***		1.56	0.0000
Anbauorte	816.0	6	354.70 ***		2.13	0.0000
WW Verf.*Anb.Orte	68.6	138	1.30 ns		1.26	
Fehler	118.9	310				
Insgesamt	1053.5	477				

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	2.3 ----	2.7 -----	2.7 --
DKC 3218	3.0 -----	2.7 -----	4.7 -----
Emeleen	2.3 ----	2.3 -----	3.0 ---
KWS Glasgo	2.3 ----	2.0 ----	4.3 -----
Wesley	2.7 -----	1.7 ---	3.3 ----
ES Myrdal	2.0 ---	1.3 -	3.7 -----
LG 31210	1.7 -	1.7 ---	2.7 --
Zinedeen	2.3 ----	1.7 ---	2.7 --
DKC 3359	2.7 -----	1.3 -	3.3 ----
DKC 2956	3.0 -----	1.7 ---	3.3 ----
Bakersfield	3.0 -----	2.0 -----	3.7 -----
SY Broncos	1.7 -	2.0 -----	4.0 -----
LZM173/72	3.0 -----	1.7 ---	3.0 ---
LZM173/46	2.0 ---	2.0 -----	3.3 ----
Silvio	3.3 -----	2.3 -----	4.0 -----
KXC4101	2.0 ---	1.3 -	2.7 --
KXC4167	3.0 -----	1.7 ---	2.7 --
SB0934	2.7 -----	1.3 -	3.3 ----
(Symetric)	3.0 -----	1.7 ---	3.3 ----
Stribel	3.3 -----	2.0 -----	3.0 ---
SB0594	2.3 ----	1.3 -	4.0 -----
Rafting	3.0 -----	1.3 -	2.3 -
Bajeno	2.7 -----	2.3 -----	3.7 -----
LG 31217	2.7 -----	2.3 -----	2.7 --
-Bezugsgrösse(n)	2.7 -----	2.7 -----	3.7 -----
Versuchs-Mittel	2.6 -----	1.8 ----	3.3 ----
VK [%]	28.3	37.4	23.7
KGD (5%)	ns	ns	1.3
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.7	0.7	0.8
FG Fehlerterm	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		3065 Habstetten		8046 Reckenholz ZH	
KWS Papageno	69.7	-	59.3	--	71.0	-	75.7	---	76.0	--
DKC 3218	72.5	-----	61.3	-----	74.0	-----	77.3	-----	80.7	-----
Emeleen	70.1	--	59.3	--	71.0	-	74.3	-	78.0	----
KWS Glasgo	72.8	-----	62.3	-----	74.3	-----	78.3	-----	78.7	-----
Wesley	71.9	-----	60.3	----	74.7	-----	76.0	---	80.0	-----
ES Myrdal	69.4	-	59.3	--	70.7	-	74.7	-	75.0	-
LG 31210	72.3	-----	60.7	-----	74.3	-----	78.7	-----	78.3	----
Zinedeen	71.4	----	59.3	--	75.0	-----	76.0	---	79.3	-----
DKC 3359	72.7	-----	61.0	-----	74.0	-----	77.7	-----	80.7	-----
DKC 2956	72.4	-----	62.0	-----	74.7	-----	76.3	----	80.0	-----
Bakersfield	73.0	-----	62.0	-----	74.7	-----	78.0	-----	79.7	-----
SY Broncos	71.8	-----	60.7	-----	73.7	-----	76.3	----	79.0	-----
LZM173/72	71.0	----	59.0	-	72.7	----	77.0	----	78.3	----
LZM173/46	73.1	-----	61.0	-----	75.0	-----	78.3	-----	80.7	-----
Silvio	73.4	-----	61.0	-----	75.3	-----	80.3	-----	80.7	-----
KXC4101	72.9	-----	62.3	-----	74.7	-----	78.0	-----	80.0	-----
KXC4167	70.4	---	59.0	-	73.7	-----	74.7	-	78.0	----
SB0934	71.6	-----	60.0	----	74.3	-----	75.7	---	79.0	-----
(Symetric)	72.7	-----	61.3	-----	75.0	-----	79.0	-----	79.7	-----
Stribel	70.9	----	60.0	----	74.0	-----	75.3	--	78.0	-----
SB0594	71.9	-----	59.3	--	73.7	-----	76.7	----	80.3	-----
Rafting	73.7	-----	62.3	-----	74.3	-----	79.0	-----	82.0	-----
Bajeno	71.9	-----	60.0	----	73.7	-----	77.7	-----	79.0	-----
LG 31217	71.3	-----	59.3	--	73.7	-----	75.3	--	80.0	-----
-Bezugsgrösse(n)	71.1	-----	60.3	-----	72.5	-----	76.5	----	78.3	-----
Versuchs-Mittel	71.9	-----	60.5	-----	73.8	-----	76.9	-----	79.2	-----
VK [%]	1.6		1.2		1.1		2.1		1.6	
KGD (5%)	0.8		1.2		1.4		2.6		2.1	
KGD (1%)	1.1		1.6		1.8		3.5		2.8	
Versuchs-Streuung	1.1		0.7		0.8		1.6		1.3	
FG Fehlerterm	222.0		46.0		44.0		44.0		44.0	
Anz. Beob.	15.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	467.3	23	15.62	***	1.58	0.0000
Anbauorte	15947.8	4	3066.18	***	2.41	0.0000
WW Verf.*Anb.Orte	186.6	92	1.56	ns	1.32	
Fehler	288.7	222				
Insgesamt	16890.3	341				

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

Verfahren	8566	
	Ellighausen TG	
KWS Papageno	66.3	-
DKC 3218	69.0	-----
Emeleen	67.7	----
KWS Glasgo	70.3	-----
Wesley	68.7	-----
ES Myrdal	67.3	---
LG 31210	69.7	-----
Zinedeen	67.3	---
DKC 3359	70.0	-----
DKC 2956	69.0	-----
Bakersfield	70.7	-----
SY Broncos	69.3	-----
LZM173/72	68.0	----
LZM173/46	70.7	-----
Silvio	69.7	-----
KXC4101	69.7	-----
KXC4167	66.7	-
SB0934	69.0	-----
(Symetric)	68.3	----
Stribel	67.3	---
SB0594	69.3	-----
Rafting	70.7	-----
Bajeno	69.0	-----
LG 31217	68.3	----
-Bezugsgrösse(n)	67.7	----
Versuchs-Mittel	68.8	-----
VK [%]	1.6	
KGD (5%)	1.8	
KGD (1%)	2.4	
Versuchs-Streuung	1.1	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Papageno	70.3 --	58.7 ----	72.7 ----	74.0 ---	79.0 ---
DKC 3218	71.9 -----	59.7 -----	72.7 ----	75.7 ----	82.3 -----
Emeleen	70.0 -	58.3 ---	71.0 -	72.7 -	79.7 ----
KWS Glasgo	71.5 -----	60.3 -----	72.3 ----	76.3 -----	78.7 --
Wesley	71.1 -----	58.7 ----	72.7 ----	74.0 ---	81.3 -----
ES Myrdal	69.7 -	58.0 --	72.0 ---	72.7 -	77.7 -
LG 31210	71.3 -----	59.0 ----	72.3 ----	77.0 -----	78.3 --
Zinedeen	70.4 ---	57.7 -	73.0 -----	74.0 ---	80.3 ----
DKC 3359	72.8 -----	59.7 -----	74.7 -----	75.7 ----	83.3 -----
DKC 2956	71.8 -----	60.7 -----	74.0 -----	74.3 ---	81.0 ----
Bakersfield	72.1 -----	60.0 -----	73.7 -----	76.0 -----	80.0 ----
SY Broncos	71.4 -----	59.3 -----	72.7 ----	75.0 ---	80.0 ----
LZM173/72	70.6 ---	57.7 -	71.7 --	75.3 ----	79.3 ----
LZM173/46	72.1 -----	59.3 -----	73.0 -----	76.7 -----	80.3 ----
Silvio	73.4 -----	60.3 -----	74.0 -----	79.0 -----	83.0 -----
KXC4101	72.1 -----	60.7 -----	72.7 ----	76.3 -----	80.0 ----
KXC4167	70.7 ---	58.3 ---	72.0 ---	73.7 --	80.7 ----
SB0934	70.6 ---	58.3 ---	72.3 ----	74.0 ---	79.3 ----
(Symetric)	72.8 -----	60.3 -----	73.3 -----	77.7 -----	82.7 -----
Stribel	70.5 ---	58.3 ---	72.7 ----	73.3 --	79.7 ----
SB0594	71.1 -----	57.7 -	71.7 --	74.7 ---	81.3 -----
Rafting	72.3 -----	60.3 -----	73.0 -----	77.0 -----	81.3 -----
Bajeno	71.6 -----	58.3 ---	72.3 ----	76.7 -----	81.0 ----
LG 31217	70.5 ---	58.0 --	72.0 ---	74.0 ---	80.3 ----
-Bezugsgrösse(n)	71.1 -----	59.2 -----	72.7 ----	74.8 ----	80.7 -----
Versuchs-Mittel	71.4 -----	59.1 -----	72.7 ----	75.2 ----	80.4 -----
VK [%]	1.5	1.2	0.9	2.0	1.2
KGD (5%)	0.8	1.2	1.1	2.5	1.6
KGD (1%)	1.0	1.6	1.4	3.3	2.2
Versuchs-Streuung	1.1	0.7	0.7	1.5	1.0
FG Fehlerterm	222.0	46.0	44.0	44.0	44.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	322.5	23	12.02 ***	1.58	0.0000
Anbauorte	18301.2	4	3920.43 ***	2.41	0.0000
WW Verf.*Anb.Orte	221.2	92	2.06 ***	1.32	0.0005
Fehler	259.1	222			
Insgesamt	19104.0	341			

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

Verfahren	8566	
	Ellighausen TG	
KWS Papageno	67.3	-
DKC 3218	69.3	-----
Emeleen	68.3	----
KWS Glasgo	70.0	-----
Wesley	69.0	----
ES Myrdal	68.0	---
LG 31210	70.0	-----
Zinedeen	67.0	-
DKC 3359	70.7	-----
DKC 2956	69.0	----
Bakersfield	71.0	-----
SY Broncos	70.0	-----
LZM173/72	69.0	----
LZM173/46	71.3	-----
Silvio	70.7	-----
KXC4101	70.7	-----
KXC4167	69.0	----
SB0934	69.0	----
(Symetric)	70.0	-----
Stribel	68.3	----
SB0594	70.3	-----
Rafting	70.0	-----
Bajeno	69.7	-----
LG 31217	68.0	---
-Bezugsgrösse(n)	68.3	----
Versuchs-Mittel	69.4	-----
VK [%]	1.8	
KGD (5%)	2.1	
KGD (1%)	2.8	
Versuchs-Streuung	1.3	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Papageno	243.7 ---	263.3 --	220.0 -	241.7 -----	238.3 -
DKC 3218	232.0 -	253.3 -	223.3 -	198.3 -	233.3 -
Emeleen	265.0 -----	288.3 -----	243.3 -----	248.3 -----	263.3 -----
KWS Glasgo	249.3 ---	261.7 --	231.7 ---	248.3 -----	246.7 ---
Wesley	251.0 ---	281.7 ----	238.3 ----	231.7 -----	250.0 ---
ES Myrdal	263.7 -----	293.3 -----	238.3 ----	250.0 -----	256.7 ----
LG 31210	261.0 -----	293.3 -----	236.7 ----	255.0 -----	245.0 ---
Zinedeen	272.7 -----	301.7 -----	256.7 -----	261.7 -----	263.3 -----
DKC 3359	255.0 ----	281.7 ----	240.0 ----	236.7 -----	251.7 ----
DKC 2956	251.3 ----	275.0 ----	241.7 ----	236.7 -----	245.0 ---
Bakersfield	264.0 -----	286.7 ----	243.3 -----	243.3 -----	265.0 -----
SY Broncos	254.0 ----	278.3 ----	243.3 -----	236.7 -----	250.0 ---
LZM173/72	248.3 ----	281.7 ----	230.0 ---	245.0 -----	235.0 -
LZM173/46	284.7 -----	323.3 -----	258.3 -----	255.0 -----	291.7 -----
Silvio	264.3 -----	286.7 ----	246.7 -----	250.0 -----	261.7 ----
KXC4101	265.0 -----	281.7 ----	250.0 -----	256.7 -----	263.3 -----
KXC4167	257.7 ----	268.3 ---	236.7 ----	253.3 -----	256.7 ----
SB0934	261.3 -----	286.7 ----	241.7 ----	250.0 -----	261.7 ----
(Symetric)	265.7 -----	283.3 ----	243.3 -----	250.0 -----	275.0 -----
Stribel	248.3 ----	260.0 --	226.7 --	245.0 -----	250.0 ---
SB0594	267.7 -----	283.3 ----	250.0 -----	255.0 -----	268.3 -----
Rafting	253.3 ----	275.0 ----	230.0 ---	253.3 -----	243.3 --
Bajeno	255.3 ----	270.0 ---	236.7 ----	241.7 -----	248.3 ---
LG 31217	263.0 -----	290.0 -----	248.3 -----	253.3 -----	253.3 ----
-Bezugsgrösse(n)	237.8 --	258.3 -	221.7 -	220.0 ----	235.8 -
Versuchs-Mittel	258.2 -----	281.2 -----	239.8 -----	245.7 -----	254.9 ----
VK [%]	4.4	4.0	3.9	5.8	3.9
KGD (5%)	8.2	18.3	15.4	23.5	16.3
KGD (1%)	10.9	24.5	20.5	31.3	21.8
Versuchs-Streuung	11.5	11.1	9.3	14.3	9.9
FG Fehlerterm	222.0	44.0	44.0	44.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	39292.2	23	13.01 ***	1.58	0.0000
Anbauorte	83814.3	4	159.63 ***	2.41	0.0000
WW Verf.*Anb.Orte	14705.7	92	1.22 ns	1.32	
Fehler	29140.3	222			
Insgesamt	166952.5	341			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
KWS Papageno	255.0	--
DKC 3218	251.7	-
Emeleen	281.7	-----
KWS Glasgo	258.3	--
Wesley	253.3	-
ES Myrdal	280.0	-----
LG 31210	275.0	-----
Zinedeen	280.0	-----
DKC 3359	265.0	----
DKC 2956	258.3	--
Bakersfield	281.7	-----
SY Broncos	261.7	---
LZM173/72	250.0	-
LZM173/46	295.0	-----
Silvio	276.7	-----
KXC4101	273.3	-----
KXC4167	273.3	-----
SB0934	266.7	----
(Symetric)	276.7	-----
Stribel	260.0	---
SB0594	281.7	-----
Rafting	265.0	----
Bajeno	280.0	-----
LG 31217	270.0	-----
-Bezugsgrösse(n)	253.3	-
Versuchs-Mittel	269.6	-----
VK [%]	4.5	
KGD (5%)	19.8	
KGD (1%)	26.5	
Versuchs-Streuung	12.0	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Papageno	116.7 ----	113.3 --	115.0 ----	103.3 ----	133.3 -----
DKC 3218	97.7 -	100.0 -	105.0 --	91.7 --	86.7 -
Emeleen	118.0 -----	131.7 -----	110.0 --	100.0 ---	120.0 -----
KWS Glasgo	119.7 -----	113.3 --	126.7 -----	105.0 ----	131.7 -----
Wesley	114.0 -----	113.3 --	118.3 -----	115.0 -----	103.3 ---
ES Myrdal	112.7 ----	118.3 ----	118.3 -----	106.7 -----	115.0 ----
LG 31210	126.3 -----	135.0 -----	116.7 ----	108.3 -----	128.3 -----
Zinedeen	132.7 -----	131.7 -----	126.7 -----	120.0 -----	133.3 -----
DKC 3359	108.0 ---	115.0 ---	113.3 ----	95.0 ---	115.0 ----
DKC 2956	104.3 --	110.0 --	113.3 ----	86.7 -	108.3 ----
Bakersfield	119.0 -----	118.3 ----	116.7 ----	106.7 -----	126.7 -----
SY Broncos	120.3 -----	126.7 ----	120.0 -----	100.0 ---	131.7 -----
LZM173/72	120.0 -----	125.0 ----	111.7 ---	111.7 -----	121.7 ----
LZM173/46	136.7 -----	158.3 -----	135.0 -----	110.0 ----	133.3 -----
Silvio	125.3 -----	126.7 ----	121.7 -----	113.3 -----	130.0 -----
KXC4101	133.0 -----	133.3 ----	135.0 -----	126.7 -----	136.7 -----
KXC4167	123.7 -----	125.0 ----	118.3 ----	111.7 -----	135.0 -----
SB0934	125.7 -----	130.0 ----	123.3 ----	111.7 -----	131.7 -----
(Symetric)	133.3 -----	135.0 ----	128.3 -----	126.7 -----	146.7 -----
Stribel	104.3 --	101.7 -	101.7 -	95.0 ---	111.7 ----
SB0594	132.7 -----	135.0 ----	121.7 -----	126.7 -----	131.7 -----
Rafting	118.3 -----	121.7 ----	115.0 ----	106.7 -----	118.3 ----
Bajeno	120.3 -----	126.7 ----	123.3 -----	100.0 ---	120.0 ----
LG 31217	127.7 -----	138.3 -----	125.0 -----	106.7 -----	126.7 -----
-Bezugsgrösse(n)	107.2 ---	106.7 --	110.0 ---	97.5 ---	110.0 ----
Versuchs-Mittel	120.4 -----	124.3 -----	119.2 -----	107.7 -----	124.0 -----
VK [%]	8.0	5.8	5.7	8.2	8.2
KGD (5%)	6.9	11.8	11.2	14.5	16.8
KGD (1%)	9.1	15.7	14.9	19.3	22.4
Versuchs-Streuung	9.6	7.1	6.8	8.8	10.2
FG Fehlerterm	224.0	44.0	44.0	44.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	35348.3	23	16.68 ***	1.58	0.0000
Anbauorte	16836.4	4	45.69 ***	2.41	0.0000
WW Verf.*Anb.Orte	13873.6	92	1.64 ns	1.32	
Fehler	20634.7	224			
Insgesamt	86693.0	343			

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

Verfahren	8566	
	Ellighausen TG	
KWS Papageno	118.3	----
DKC 3218	105.0	-
Emeleen	128.3	-----
KWS Glasgo	121.7	-----
Wesley	120.0	----
ES Myrdal	105.0	-
LG 31210	143.3	-----
Zinedeen	151.7	-----
DKC 3359	101.7	-
DKC 2956	103.3	-
Bakersfield	126.7	-----
SY Broncos	123.3	-----
LZM173/72	130.0	-----
LZM173/46	146.7	-----
Silvio	135.0	-----
KXC4101	133.3	-----
KXC4167	128.3	-----
SB0934	131.7	-----
(Symetric)	130.0	-----
Stribel	111.7	---
SB0594	148.3	-----
Rafting	130.0	-----
Bajeno	131.7	-----
LG 31217	141.7	-----
-Bezugsgrösse(n)	111.7	---
Versuchs-Mittel	126.9	-----
VK [%]	10.5	
KGD (5%)	21.9	
KGD (1%)	29.2	
Versuchs-Streuung	13.3	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Papageno	48.1 -----	43.1 ----	52.3 -----	42.9 ----	55.9 -----
DKC 3218	42.9 --	39.6 -	47.0 ---	48.5 -----	37.5 -
Emeleen	44.5 ----	45.7 -----	45.2 -	40.3 ---	45.6 ----
KWS Glasgo	48.2 -----	43.3 ----	54.8 -----	42.3 ----	53.4 -----
Wesley	45.6 ----	40.1 --	49.7 ----	49.7 -----	41.3 ---
ES Myrdal	43.0 --	40.3 --	49.7 -----	42.7 ----	44.8 ----
LG 31210	48.5 -----	45.9 -----	49.5 ----	42.5 ----	52.4 -----
Zinedeen	48.7 -----	43.5 ----	49.4 ----	45.8 -----	50.5 -----
DKC 3359	42.4 --	40.7 --	47.2 ---	40.2 ---	45.8 ----
DKC 2956	41.6 -	40.0 -	46.8 ---	36.7 -	44.4 ----
Bakersfield	45.2 ----	41.3 ---	47.9 ----	43.8 -----	47.8 -----
SY Broncos	47.4 -----	45.5 -----	49.4 ----	42.3 ----	52.7 -----
LZM173/72	48.5 -----	44.4 ----	48.5 ----	45.7 -----	51.8 -----
LZM173/46	48.0 -----	49.0 -----	52.4 -----	43.1 ----	45.7 ----
Silvio	47.4 -----	44.1 ----	49.3 ----	45.3 -----	49.7 -----
KXC4101	50.3 -----	47.3 -----	54.1 -----	49.2 -----	52.0 -----
KXC4167	48.0 -----	46.5 -----	50.0 -----	44.1 -----	52.6 -----
SB0934	48.2 -----	45.4 ----	51.0 -----	44.7 ----	50.3 -----
(Symetric)	50.3 -----	47.6 -----	52.7 -----	50.7 -----	53.4 -----
Stribel	42.1 -	39.2 -	44.8 -	38.8 --	44.8 ----
SB0594	49.6 -----	47.8 -----	48.7 ---	49.7 -----	49.0 -----
Rafting	46.8 -----	44.3 ----	50.1 -----	42.1 ---	48.6 -----
Bajeno	47.1 -----	46.8 -----	52.1 -----	41.4 ---	48.3 ----
LG 31217	48.5 -----	47.7 -----	50.3 ----	42.1 ---	49.9 -----
-Bezugsgrösse(n)	45.5 ----	41.3 ---	49.7 ----	45.7 -----	46.7 -----
Versuchs-Mittel	46.7 -----	44.1 -----	49.7 -----	43.9 -----	48.7 -----
VK [%]	7.8	5.4	5.7	9.0	8.5
KGD (5%)	2.6	3.9	4.6	6.5	6.8
KGD (1%)	3.4	5.2	6.2	8.6	9.0
Versuchs-Streuung	3.6	2.4	2.8	3.9	4.1
FG Fehlerterm	224.0	44.0	44.0	46.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2424.1	23	7.97 ***	1.58	0.0000
Anbauorte	1964.9	4	37.15 ***	2.41	0.0000
WW Verf.*Anb.Orte	2206.0	92	1.81 ***	1.32	0.0009
Fehler	2961.6	224			
Insgesamt	9556.5	343			

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

Verfahren	8566	
	Ellighausen TG	
KWS Papageno	46.4	-----
DKC 3218	41.7	---
Emeleen	45.6	----
KWS Glasgo	47.1	-----
Wesley	47.3	-----
ES Myrdal	37.3	-
LG 31210	52.1	-----
Zinedeen	54.3	-----
DKC 3359	38.3	-
DKC 2956	40.1	--
Bakersfield	45.0	----
SY Broncos	47.3	-----
LZM173/72	52.0	-----
LZM173/46	49.7	-----
Silvio	48.8	-----
KXC4101	48.9	-----
KXC4167	46.9	-----
SB0934	49.4	-----
(Symetric)	47.0	-----
Stribel	42.9	----
SB0594	52.7	-----
Rafting	48.9	-----
Bajeno	47.0	-----
LG 31217	52.5	-----
-Bezugsgrösse(n)	44.0	-----
Versuchs-Mittel	47.0	-----
VK [%]	9.5	
KGD (5%)	7.3	
KGD (1%)	9.8	
Versuchs-Streuung	4.5	
FG Fehlerterm	44.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	5643 Alikon AG	8566 Ellighausen TG
KWS Papageno	31.3 -----	62.5 -----	0.0 -
DKC 3218	6.3 -	12.5 -	0.0 -
Emeleen	37.5 -----	75.0 -----	0.0 -
KWS Glasgo	37.5 -----	75.0 -----	0.0 -
Wesley	50.0 -----	100.0 -----	0.0 -
ES Myrdal	51.5 -----	100.0 -----	3.0 -----
LG 31210	31.3 -----	62.5 -----	0.0 -
Zinedeen	39.8 -----	79.2 -----	0.5 --
DKC 3359	20.8 ----	41.7 ----	0.0 -
DKC 2956	12.7 --	25.0 --	0.5 --
Bakersfield	45.6 -----	87.5 -----	3.7 -----
SY Broncos	36.2 -----	70.8 -----	1.5 -----
LZM173/72	25.0 ----	50.0 ----	0.0 -
LZM173/46	35.0 -----	66.7 -----	3.4 -----
Silvio	35.9 -----	70.8 -----	1.0 ---
KXC4101	47.9 -----	95.8 -----	0.0 -
KXC4167	33.3 -----	66.7 -----	0.0 -
SB0934	29.4 -----	58.3 -----	0.5 --
(Symetric)	33.3 -----	66.7 -----	0.0 -
Stribel	12.5 --	25.0 --	0.0 -
SB0594	29.9 -----	58.3 -----	1.4 ----
Rafting	38.0 -----	75.0 -----	1.0 ---
Bajeno	20.8 ----	41.7 ----	0.0 -
LG 31217	25.0 -----	50.0 -----	0.0 -
-Bezugsgrösse(n)	18.8 ---	37.5 ---	0.0 -
Versuchs-Mittel	31.9 -----	63.2 -----	0.7 --
VK [%]	38.4	27.4	211.9
KGD (5%)	14.1	28.5	2.4
KGD (1%)	18.7	38.0	ns
Versuchs-Streuung	12.3	17.3	1.4
FG Fehlerterm	88.0	44.0	44.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	18713.2	23	5.40 ***	1.65	0.0000
Anbauorte	140683.6	1	933.64 ***	3.94	0.0000
WW Verf.*Anb.Orte	17382.8	23	5.02 ***	1.65	0.0000
Fehler	13260.2	88			
Insgesamt	190039.7	135			

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

Verfahren	Seriemittel	5643	Alikon AG
KWS Papageno	29.2 ---	29.2 ---	
DKC 3218	12.5 -	12.5 -	
Emeleen	50.0 -----	50.0 -----	
KWS Glasgo	41.7 -----	41.7 -----	
Wesley	83.3 -----	83.3 -----	
ES Myrdal	66.7 -----	66.7 -----	
LG 31210	54.2 -----	54.2 -----	
Zinedeen	58.3 -----	58.3 -----	
DKC 3359	20.8 --	20.8 --	
DKC 2956	16.7 -	16.7 -	
Bakersfield	41.7 -----	41.7 -----	
SY Broncos	20.8 --	20.8 --	
LZM173/72	29.2 ---	29.2 ---	
LZM173/46	41.7 -----	41.7 -----	
Silvio	33.3 ----	33.3 ----	
KXC4101	70.8 -----	70.8 -----	
KXC4167	37.5 ----	37.5 ----	
SB0934	37.5 ----	37.5 ----	
(Symetric)	37.5 ----	37.5 ----	
Stribel	16.7 -	16.7 -	
SB0594	25.0 --	25.0 --	
Rafting	29.2 ---	29.2 ---	
Bajeno	16.7 -	16.7 -	
LG 31217	54.2 -----	54.2 -----	
-Bezugsgrösse(n)	20.8 --	20.8 --	
Versuchs-Mittel	38.5 ----	38.5 ----	
VK [%]	49.5	49.5	
KGD (5%)	31.4	31.4	
KGD (1%)	42.0	42.0	
Versuchs-Streuung	19.1	19.1	
FG Fehlerterm	44.0	44.0	
Anz. Beob.	3.0	3.0	

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	5.1 -----	9.2 ----	6.3 ----	1.6 -----	3.0 -----
DKC 3218	1.9 --	5.4 --	3.0 --	0.0 -	0.7 --
Emeleen	4.2 -----	8.2 ----	3.4 ---	1.6 -----	1.8 ----
KWS Glasgo	1.5 -	2.5 -	3.6 ---	0.0 -	0.6 --
Wesley	2.4 ---	9.1 ----	3.2 ---	1.6 -----	0.0 -
ES Myrdal	1.9 --	2.3 -	3.2 ---	0.3 --	4.2 -----
LG 31210	3.1 ----	6.0 ---	1.4 -	2.7 -----	4.2 -----
Zinedeen	4.5 -----	6.7 ---	5.2 ----	1.6 -----	4.7 -----
DKC 3359	1.4 -	4.8 --	1.8 -	0.3 --	1.8 ----
DKC 2956	1.7 -	4.7 --	2.5 --	0.0 -	0.6 --
Bakersfield	1.4 -	4.9 --	1.1 -	0.0 -	1.3 ---
SY Broncos	2.5 ---	10.1 -----	1.8 -	0.0 -	1.1 ---
LZM173/72	3.8 -----	12.6 -----	1.7 -	0.3 --	3.6 -----
LZM173/46	3.9 -----	6.6 ---	5.9 -----	2.4 -----	4.1 -----
Silvio	5.8 -----	9.6 -----	12.2 -----	2.6 -----	1.8 ----
KXC4101	2.0 --	6.3 ---	2.4 --	0.3 --	1.2 ---
KXC4167	4.9 -----	20.1 -----	2.2 --	3.0 -----	1.2 ---
SB0934	2.0 --	5.5 --	1.3 -	1.0 ---	2.0 ----
(Symetric)	4.2 -----	14.8 -----	3.3 ---	1.9 -----	4.9 -----
Stribel	4.7 -----	2.2 -	8.4 -----	0.6 ---	2.9 -----
SB0594	2.8 ----	7.2 ---	1.0 -	1.3 ----	2.4 -----
Rafting	3.0 ----	2.8 -	3.0 --	0.3 --	3.5 -----
Bajeno	4.3 -----	16.5 -----	3.4 ---	1.9 -----	3.5 -----
LG 31217	2.6 ---	5.0 --	4.3 ----	0.0 -	0.0 -
-Bezugsgrösse(n)	3.5 ----	7.3 ---	4.6 ----	0.8 ---	1.8 ----
Versuchs-Mittel	3.2 -----	7.6 ----	3.6 ---	1.1 ----	2.3 -----
VK [%]	98.9	67.9	90.1	143.8	123.8
KGD (5%)	1.9	8.5	5.3	ns	ns
KGD (1%)	2.5	11.4	ns	ns	ns
Versuchs-Streuung	3.1	5.2	3.2	1.5	2.8
FG Fehlerterm	314.0	46.0	44.0	46.0	44.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	857.7	23	3.82 ***	1.56	0.0001
Anbauorte	2362.3	6	40.36 ***	2.13	0.0000
WW Verf.*Anb.Orte	2611.6	138	1.94 ***	1.26	0.0005
Fehler	3062.7	314			
Insgesamt	8894.2	481			

Charbon [%] / Beulenbrand [%]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	3.0 -----	5.5 ----	6.9 -----
DKC 3218	0.0 -	3.8 ---	0.6 -
Emeleen	0.5 --	11.1 -----	2.8 ----
KWS Glasgo	1.9 -----	2.1 --	0.0 -
Wesley	0.6 ---	2.1 --	0.5 -
ES Myrdal	0.0 -	0.0 -	3.3 ----
LG 31210	1.2 ----	3.0 --	3.4 ----
Zinedeen	1.6 ----	8.4 -----	3.5 ----
DKC 3359	0.0 -	0.0 -	1.0 --
DKC 2956	0.5 --	2.9 --	0.5 -
Bakersfield	0.0 -	0.0 -	2.6 ----
SY Broncos	0.0 -	2.6 --	1.5 ---
LZM173/72	2.7 -----	4.0 ---	1.5 ---
LZM173/46	1.8 -----	5.7 ----	1.0 --
Silvio	1.0 ----	11.6 -----	2.0 ---
KXC4101	0.0 -	2.1 --	2.0 ---
KXC4167	1.6 ----	0.5 -	6.1 -----
SB0934	0.0 -	2.6 --	1.4 ---
(Symetric)	0.7 ---	3.4 ---	0.5 -
Stribel	0.0 -	16.1 -----	2.5 ----
SB0594	0.0 -	5.0 ----	3.1 ----
Rafting	1.5 ----	6.9 ----	2.7 ----
Bajeno	2.1 -----	2.5 --	0.5 -
LG 31217	1.4 ----	4.0 ---	3.5 ----
-Bezugsgrösse(n)	1.5 -----	4.7 ----	3.7 -----
Versuchs-Mittel	0.9 ----	4.4 ---	2.2 ----
VK [%]	164.3	80.4	107.0
KGD (5%)	ns	5.9	ns
KGD (1%)	ns	7.8	ns
Versuchs-Streuung	1.5	3.6	2.4
FG Fehlerterm	44.0	44.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	9.7 -----	10.8 -----	9.5 ----	10.3 -----	8.1 ----
DKC 3218	8.8 -	9.9 ----	9.3 ----	9.4 -	7.8 --
Emeleen	9.5 -----	10.5 -----	9.7 -----	10.3 -----	8.5 -----
KWS Glasgo	9.5 -----	10.6 -----	9.3 ----	10.6 -----	8.4 -----
Wesley	9.6 -----	10.3 -----	10.2 -----	10.6 -----	8.2 -----
ES Myrdal	9.2 ----	10.1 ----	9.3 ----	10.1 ----	8.0 ----
LG 31210	9.6 -----	10.5 -----	9.6 -----	9.9 ----	8.1 ----
Zinedeen	9.6 -----	10.4 -----	9.6 -----	10.4 -----	8.2 -----
DKC 3359	9.3 -----	10.4 -----	9.4 ----	10.0 ----	8.2 -----
DKC 2956	9.2 ----	10.1 ----	9.2 --	10.2 -----	7.7 --
Bakersfield	8.7 -	9.3 -	8.9 -	9.3 -	7.6 -
SY Broncos	9.6 -----	10.5 -----	9.1 --	10.2 -----	8.4 -----
LZM173/72	9.5 -----	10.4 -----	9.9 -----	10.2 -----	8.6 -----
LZM173/46	9.7 -----	10.6 -----	10.1 -----	10.9 -----	8.5 -----
Silvio	9.6 -----	10.1 ----	9.6 -----	10.3 -----	8.3 -----
KXC4101	9.6 -----	10.6 -----	9.8 -----	10.0 ----	8.1 ----
KXC4167	9.2 ----	10.1 ----	9.3 ----	10.1 -----	7.7 -
SB0934	9.6 -----	10.5 -----	9.6 -----	10.6 -----	7.9 --
(Symetric)	9.7 -----	10.6 -----	10.0 -----	10.7 -----	8.0 ----
Stribel	9.4 -----	10.7 -----	9.2 --	10.4 -----	8.3 -----
SB0594	9.8 -----	10.7 -----	10.1 -----	10.5 -----	8.1 ----
Rafting	9.6 -----	10.6 -----	9.9 -----	10.1 ----	8.3 -----
Bajeno	9.7 -----	10.7 -----	9.5 ----	10.6 -----	8.4 -----
LG 31217	9.8 -----	10.6 -----	10.2 -----	9.8 ----	8.5 -----
-Bezugsgrösse(n)	9.3 ----	10.4 -----	9.4 ----	9.9 ----	7.9 ----
Versuchs-Mittel	9.5 -----	10.4 -----	9.6 -----	10.3 -----	8.2 -----
VK [%]	4.8	2.9	4.2	3.9	4.5
KGD (5%)	0.3	0.5	0.7	0.7	ns
KGD (1%)	0.4	0.7	0.9	0.9	ns
Versuchs-Streuung	0.5	0.3	0.4	0.4	0.4
FG Fehlerterm	310.0	44.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	38.0	23	7.99 ***	1.56	0.0000
Anbauorte	259.8	6	209.45 ***	2.13	0.0000
WW Verf.*Anb.Orte	38.1	138	1.34 ns	1.26	
Fehler	64.1	310			
Insgesamt	399.9	477			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	9.7 -----	9.7 -----	9.9 -----
DKC 3218	8.1 --	8.0 -	9.3 ----
Emeleen	7.8 -	10.0 -----	10.0 -----
KWS Glasgo	8.9 -----	9.1 -----	9.8 -----
Wesley	9.1 -----	9.1 -----	9.9 -----
ES Myrdal	8.6 ----	9.1 -----	9.2 ---
LG 31210	9.4 -----	9.5 -----	10.0 -----
Zinedeen	9.3 -----	9.8 -----	9.7 -----
DKC 3359	9.0 -----	8.8 ----	9.4 ----
DKC 2956	8.8 -----	8.8 ----	9.7 -----
Bakersfield	8.5 ----	8.5 ---	8.9 -
SY Broncos	9.7 -----	9.4 -----	9.7 -----
LZM173/72	9.0 -----	8.6 ----	9.6 -----
LZM173/46	9.2 -----	8.1 -	10.0 -----
Silvio	9.5 -----	9.2 -----	9.9 -----
KXC4101	9.2 -----	9.2 -----	10.0 -----
KXC4167	8.6 ----	8.6 ----	9.8 -----
SB0934	9.3 -----	9.2 -----	9.9 -----
(Symetric)	8.9 -----	9.5 -----	10.2 -----
Stribel	8.5 ----	9.0 -----	9.6 -----
SB0594	9.7 -----	9.8 -----	10.0 -----
Rafting	9.1 -----	9.2 -----	10.0 -----
Bajeno	9.4 -----	9.5 -----	10.0 -----
LG 31217	9.8 -----	9.7 -----	9.9 -----
-Bezugsgrösse(n)	8.9 -----	8.8 ----	9.6 -----
Versuchs-Mittel	9.0 -----	9.1 -----	9.7 -----
VK [%]	7.7	5.7	4.1
KGD (5%)	ns	0.9	ns
KGD (1%)	ns	1.1	ns
Versuchs-Streuung	0.7	0.5	0.4
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	618.8 ---	583.6 --	622.2 ----	670.5 -----	619.9 ----
DKC 3218	606.6 ---	616.7 ----	627.0 ----	591.4 -	622.0 ----
Emeleen	601.6 --	562.4 -	560.3 -	651.2 ----	627.6 ----
KWS Glasgo	621.1 ----	582.6 --	630.2 ----	691.4 -----	631.6 ----
Wesley	610.6 ---	566.3 -	695.4 -----	589.6 -	598.6 ---
ES Myrdal	589.4 -	625.4 ----	594.0 --	625.7 ---	559.0 -
LG 31210	639.8 -----	592.4 ---	634.3 ----	692.9 -----	615.5 ----
Zinedeen	682.1 -----	613.5 ----	751.1 -----	710.8 -----	683.0 -----
DKC 3359	639.8 -----	623.1 ----	662.1 -----	656.5 ----	646.5 -----
DKC 2956	606.9 ---	594.2 ---	661.4 -----	600.3 --	634.7 ----
Bakersfield	640.4 -----	596.7 ---	676.6 -----	648.3 ----	667.4 -----
SY Broncos	604.3 --	564.3 -	660.7 -----	579.1 -	625.3 ----
LZM173/72	601.8 --	601.0 ---	573.7 -	704.1 -----	547.6 -
LZM173/46	691.4 -----	696.3 -----	686.6 -----	747.5 -----	675.9 -----
Silvio	644.5 -----	599.0 ---	610.1 ---	708.7 -----	665.1 -----
KXC4101	667.6 -----	606.2 ----	624.0 ----	724.7 -----	689.7 -----
KXC4167	646.6 -----	589.7 ---	581.8 --	703.3 -----	738.8 -----
SB0934	654.1 -----	610.8 ----	744.8 -----	685.3 -----	641.0 ----
(Symetric)	679.6 -----	663.4 -----	683.9 -----	715.5 -----	659.4 -----
Stribel	586.2 -	582.9 --	595.0 --	621.9 ---	616.8 ----
SB0594	646.2 -----	591.9 ---	598.9 ---	687.0 -----	673.0 -----
Rafting	641.9 -----	629.7 -----	667.8 -----	634.2 ----	640.2 ----
Bajeno	611.6 ---	575.3 --	601.0 ---	660.4 ----	630.2 ----
LG 31217	634.8 ----	590.9 ---	693.6 -----	659.0 ----	634.9 ----
-Bezugsgrösse(n)	612.7 ---	600.1 ---	624.6 ----	630.9 ----	621.0 ----
Versuchs-Mittel	632.0 -----	602.4 ----	643.2 -----	665.0 -----	639.3 -----
VK [%]	6.1	5.8	6.9	4.3	8.4
KGD (5%)	23.4	57.9	73.2	46.8	ns
KGD (1%)	30.9	77.4	97.7	62.5	ns
Versuchs-Streuung	38.6	35.2	44.5	28.4	53.8
FG Fehlerterm	310.0	44.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	417347.2	23	12.20 ***	1.56	0.0000
Anbauorte	1028032.4	6	115.19 ***	2.13	0.0000
WW Verf.*Anb.Orte	419413.8	138	2.04 ***	1.26	0.0004
Fehler	461126.0	310			
Insgesamt	2325919.4	477			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	686.2 -----	513.8 ----	635.4 -----
DKC 3218	638.9 ----	530.0 -----	620.6 ----
Emeleen	684.7 -----	493.4 --	632.0 ----
KWS Glasgo	682.8 -----	502.7 --	626.2 ----
Wesley	691.9 -----	558.2 -----	574.2 -
ES Myrdal	580.0 -	535.7 -----	606.3 ---
LG 31210	704.3 -----	546.6 -----	692.2 -----
Zinedeen	727.7 -----	587.9 -----	700.4 -----
DKC 3359	708.9 -----	560.2 -----	621.5 ----
DKC 2956	648.1 ----	524.7 -----	584.8 --
Bakersfield	706.3 -----	541.0 -----	646.2 -----
SY Broncos	706.8 -----	531.7 -----	561.9 -
LZM173/72	640.6 ----	508.8 ---	636.4 -----
LZM173/46	707.7 -----	580.9 -----	744.8 -----
Silvio	732.6 -----	540.7 -----	655.2 -----
KXC4101	749.2 -----	570.4 -----	708.8 -----
KXC4167	686.0 -----	562.2 -----	664.4 -----
SB0934	697.9 -----	545.3 -----	653.7 -----
(Symetric)	778.1 -----	582.2 -----	674.5 -----
Stribel	635.5 ---	482.8 -	568.5 -
SB0594	720.7 -----	544.1 -----	708.2 -----
Rafting	722.8 -----	573.6 -----	625.0 ----
Bajeno	685.6 -----	497.3 --	631.7 ----
LG 31217	689.7 -----	551.3 -----	624.0 ----
-Bezugsgrösse(n)	662.6 -----	521.9 ----	628.0 ----
Versuchs-Mittel	692.2 -----	540.2 -----	641.5 -----
VK [%]	5.1	5.2	5.8
KGD (5%)	57.8	46.4	61.5
KGD (1%)	77.3	61.9	82.1
Versuchs-Streuung	35.1	28.2	37.4
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	218.5 ----	222.7 -----	254.7 ----	238.6 -----	212.3 ----
DKC 3218	218.3 ----	238.5 -----	269.8 -----	223.7 ----	213.3 ----
Emeleen	212.1 ---	201.2 --	220.2 -	242.5 -----	216.8 ----
KWS Glasgo	214.4 ---	204.1 --	257.3 ----	237.2 -----	206.9 ---
Wesley	215.1 ---	198.3 -	275.6 -----	224.7 ----	193.3 -
ES Myrdal	215.5 ----	222.1 -----	276.5 -----	232.1 ----	191.2 -
LG 31210	223.1 -----	209.0 ---	269.6 -----	249.6 -----	196.6 --
Zinedeen	234.6 -----	219.7 ----	293.2 -----	252.5 -----	222.4 -----
DKC 3359	232.4 -----	227.6 -----	291.9 -----	257.2 -----	229.4 -----
DKC 2956	227.7 -----	221.2 ----	296.3 -----	248.1 -----	221.5 -----
Bakersfield	216.2 ----	197.2 -	267.8 ----	238.6 ----	208.1 ----
SY Broncos	204.9 -	197.7 -	262.9 ----	199.9 -	188.9 -
LZM173/72	215.4 ----	203.1 --	263.6 ----	257.5 -----	188.7 -
LZM173/46	232.7 -----	231.3 -----	269.4 -----	254.7 -----	222.5 -----
Silvio	220.8 ----	213.2 ----	260.5 ----	248.8 -----	221.3 -----
KXC4101	225.8 -----	206.1 ---	271.5 -----	252.1 -----	222.6 -----
KXC4167	227.2 -----	229.2 -----	255.7 ----	239.0 ----	254.1 -----
SB0934	229.6 -----	212.2 ----	301.9 -----	241.6 ----	223.1 ----
(Symetric)	233.4 -----	231.9 -----	290.4 -----	248.2 -----	215.6 ----
Stribel	219.5 ----	231.6 -----	264.6 ----	242.3 -----	222.7 -----
SB0594	222.7 -----	209.0 ---	268.7 ----	235.5 ----	218.3 ----
Rafting	220.2 ----	233.9 -----	262.6 ----	235.6 ----	202.0 ---
Bajeno	221.1 ----	228.9 -----	269.7 ----	235.8 ----	218.1 ----
LG 31217	222.5 -----	208.3 ---	289.4 -----	235.5 ----	206.2 ---
-Bezugsgrösse(n)	218.4 ----	230.6 -----	262.3 ----	231.1 ----	212.8 ----
Versuchs-Mittel	221.8 -----	216.6 ----	271.0 -----	240.5 -----	213.2 ----
VK [%]	6.9	8.6	6.9	6.0	8.7
KGD (5%)	9.2	ns	30.6	23.7	30.5
KGD (1%)	12.2	ns	40.9	31.7	ns
Versuchs-Streuung	15.2	18.5	18.6	14.4	18.6
FG Fehlerterm	310.0	44.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	27258.8	23	5.12 ***	1.56	0.0000
Anbauorte	351945.3	6	253.55 ***	2.13	0.0000
WW Verf.*Anb.Orte	50144.0	138	1.57 ns	1.26	
Fehler	71716.5	310			
Insgesamt	501064.6	477			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	213.8 -----	172.1 ----	215.1 -----
DKC 3218	200.8 --	175.7 -----	206.1 ---
Emeleen	221.8 -----	167.7 --	214.3 -----
KWS Glasgo	222.4 -----	164.4 -	208.6 ----
Wesley	221.8 -----	180.3 -----	211.5 -----
ES Myrdal	193.8 -	184.9 -----	207.9 ----
LG 31210	233.6 -----	179.6 -----	223.5 -----
Zinedeen	228.1 -----	186.3 -----	240.2 -----
DKC 3359	225.3 -----	186.9 -----	208.6 ----
DKC 2956	211.2 ----	181.0 -----	214.4 -----
Bakersfield	218.8 -----	175.9 -----	207.0 ----
SY Broncos	218.4 -----	173.5 ----	192.9 -
LZM173/72	211.5 ----	168.9 ---	214.5 -----
LZM173/46	223.9 -----	187.5 -----	239.5 -----
Silvio	220.7 -----	172.2 ----	208.8 ----
KXC4101	222.3 -----	179.6 -----	226.6 -----
KXC4167	210.5 ----	180.4 -----	221.3 -----
SB0934	226.4 -----	182.7 -----	219.1 -----
(Symetric)	234.3 -----	182.4 -----	231.0 -----
Stribel	208.4 ----	163.8 -	203.0 ---
SB0594	225.6 -----	176.3 -----	225.3 -----
Rafting	212.0 ----	181.8 -----	213.4 -----
Bajeno	212.8 ----	171.2 ----	211.4 -----
LG 31217	214.3 -----	182.8 -----	220.9 -----
-Bezugsgrösse(n)	207.3 ----	173.9 ----	210.6 ----
Versuchs-Mittel	218.0 -----	177.4 -----	216.0 -----
VK [%]	5.5	5.3	5.4
KGD (5%)	19.9	ns	19.3
KGD (1%)	ns	ns	25.8
Versuchs-Streuung	12.1	9.4	11.7
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	35.4 ----	38.2 -----	41.0 ---	35.7 ---	34.2 -----
DKC 3218	35.9 -----	38.7 -----	43.0 -----	37.8 -----	34.3 -----
Emeleen	35.4 ----	35.7 ----	40.1 --	37.2 ----	34.5 -----
KWS Glasgo	34.6 ---	35.2 ---	40.9 ---	34.4 -	32.8 ----
Wesley	35.2 ----	35.1 ----	39.6 -	38.1 -----	32.3 ----
ES Myrdal	36.5 -----	35.6 ----	46.6 -----	37.1 ----	34.2 -----
LG 31210	34.9 ----	35.3 ----	42.7 ----	36.1 ---	31.9 ---
Zinedeen	34.4 --	36.0 ----	39.1 -	35.5 ---	32.6 ----
DKC 3359	36.3 -----	36.5 -----	44.1 -----	39.2 -----	35.4 -----
DKC 2956	37.5 -----	37.3 -----	45.0 -----	41.4 -----	34.9 -----
Bakersfield	33.7 -	33.1 -	39.7 -	36.8 ----	31.2 --
SY Broncos	33.9 -	34.9 ---	39.8 --	34.7 --	30.2 -
LZM173/72	35.9 -----	33.8 --	46.3 -----	36.6 ----	34.8 -----
LZM173/46	33.7 -	33.2 -	39.1 -	34.3 -	33.0 ----
Silvio	34.4 ---	35.7 ----	43.0 -----	35.2 --	33.3 -----
KXC4101	34.0 --	34.1 --	43.8 -----	34.9 --	32.3 ----
KXC4167	35.3 -----	39.0 -----	44.0 -----	33.9 -	34.2 -----
SB0934	35.1 ----	35.2 ----	41.0 ---	35.2 --	34.8 -----
(Symetric)	34.4 ---	35.3 ----	42.6 ----	34.8 --	32.7 ----
Stribel	37.4 -----	39.8 -----	44.6 -----	39.0 -----	36.1 -----
SB0594	34.7 ---	35.7 ----	44.8 -----	34.3 -	32.4 ----
Rafting	34.4 ---	37.1 -----	39.6 -	37.2 ----	31.6 ---
Bajeno	36.3 -----	39.8 -----	45.1 -----	35.7 ---	34.6 -----
LG 31217	35.0 ----	35.3 ----	41.8 ----	35.7 ---	32.6 ----
-Bezugsgrösse(n)	35.7 -----	38.4 -----	42.0 ----	36.8 ----	34.3 -----
Versuchs-Mittel	35.2 ----	36.1 ----	42.4 ----	36.3 ----	33.4 -----
VK [%]	5.5	8.3	6.5	6.4	2.9
KGD (5%)	1.2	ns	4.6	3.8	1.6
KGD (1%)	1.5	ns	ns	ns	2.2
Versuchs-Streuung	1.9	3.0	2.8	2.3	1.0
FG Fehlerterm	308.0	44.0	44.0	44.0	44.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	549.6	23	6.44 ***		1.57	0.0000
Anbauorte	5605.7	6	251.69 ***		2.13	0.0000
WW Verf.*Anb.Orte	755.0	138	1.47 ns		1.26	
Fehler	1143.3	308				
Insgesamt	8053.7	475				

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	31.1 -----	33.5 -----	33.8 -----
DKC 3218	31.4 -----	33.1 -----	33.2 ---
Emeleen	32.3 -----	34.0 -----	33.9 -----
KWS Glasgo	32.6 -----	32.7 ----	33.3 ----
Wesley	32.0 -----	32.3 ----	36.8 -----
ES Myrdal	33.4 -----	34.5 -----	34.3 -----
LG 31210	33.2 -----	32.9 -----	32.3 --
Zinedeen	31.4 -----	31.7 --	34.3 -----
DKC 3359	31.8 -----	33.4 -----	33.5 ----
DKC 2956	32.6 -----	34.5 -----	36.7 -----
Bakersfield	31.0 ----	32.5 ----	32.0 -
SY Broncos	30.9 ----	32.6 ----	34.4 -----
LZM173/72	33.0 -----	33.2 -----	33.7 ----
LZM173/46	31.7 -----	32.3 ----	32.2 -
Silvio	30.1 --	31.8 --	31.9 -
KXC4101	29.7 -	31.5 -	32.1 -
KXC4167	30.7 ----	32.0 ---	33.4 ----
SB0934	32.5 -----	33.5 -----	33.5 ----
(Symetric)	30.1 --	31.3 -	34.2 -----
Stribel	32.8 -----	33.9 -----	35.7 -----
SB0594	31.3 -----	32.4 ----	31.8 -
Rafting	29.4 -	31.7 --	34.4 -----
Bajeno	31.0 ----	34.4 -----	33.5 ----
LG 31217	31.1 ----	33.2 -----	35.4 -----
-Bezugsgrösse(n)	31.3 -----	33.3 -----	33.5 ----
Versuchs-Mittel	31.5 -----	32.9 -----	33.8 ----
VK [%]	2.2	2.2	4.2
KGD (5%)	1.1	1.2	2.3
KGD (1%)	1.5	1.6	3.1
Versuchs-Streuung	0.7	0.7	1.4
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	167.3 -----	171.2 -----	188.2 ----	181.9 -----	164.2 ----
DKC 3218	167.4 -----	182.0 -----	205.9 -----	173.1 -----	160.6 ----
Emeleen	160.8 ---	152.2 --	164.0 -	183.2 -----	163.2 ----
KWS Glasgo	163.4 ----	153.6 --	197.9 -----	178.6 -----	155.2 ---
Wesley	163.8 ----	147.9 -	212.3 -----	171.1 ----	146.4 -
ES Myrdal	164.2 ----	165.5 -----	213.5 -----	175.3 -----	145.8 -
LG 31210	168.7 -----	160.0 ----	199.6 -----	185.4 -----	147.7 --
Zinedeen	178.0 -----	165.8 -----	218.3 -----	194.3 -----	163.8 ----
DKC 3359	176.2 -----	166.9 -----	220.4 -----	194.4 -----	174.9 -----
DKC 2956	174.1 -----	167.9 -----	227.5 -----	190.2 -----	170.2 -----
Bakersfield	162.6 ----	149.1 -	199.4 -----	180.6 -----	153.3 ---
SY Broncos	155.9 -	149.1 -	199.7 -----	151.7 -	142.6 -
LZM173/72	164.0 ----	151.9 --	198.3 -----	195.4 -----	144.0 -
LZM173/46	172.0 -----	170.4 -----	189.0 ----	188.4 -----	166.3 -----
Silvio	166.4 ----	156.7 ---	197.0 -----	187.1 -----	166.3 -----
KXC4101	169.7 -----	153.6 --	202.3 -----	188.0 -----	167.8 -----
KXC4167	172.6 -----	175.3 -----	188.6 ----	176.6 -----	197.9 -----
SB0934	174.8 -----	160.1 ----	225.4 -----	186.1 -----	171.1 -----
(Symetric)	176.8 -----	174.6 -----	220.4 -----	186.2 -----	164.1 ----
Stribel	166.0 ----	173.8 -----	195.4 -----	184.6 -----	167.6 -----
SB0594	167.8 -----	157.7 ---	202.5 -----	175.2 -----	161.1 ----
Rafting	166.1 ----	178.1 -----	197.5 -----	178.9 -----	148.4 --
Bajeno	169.4 -----	178.4 -----	205.0 -----	177.8 -----	166.2 -----
LG 31217	169.5 -----	157.9 ----	221.1 -----	177.7 -----	155.7 ---
-Bezugsgrösse(n)	167.4 -----	176.6 -----	197.1 -----	177.5 -----	162.4 ----
Versuchs-Mittel	168.2 -----	163.3 ----	203.7 -----	181.7 -----	161.0 ----
VK [%]	7.6	9.7	7.3	7.5	9.5
KGD (5%)	7.7	ns	24.6	ns	25.2
KGD (1%)	10.2	ns	32.9	ns	ns
Versuchs-Streuung	12.8	15.9	15.0	13.7	15.3
FG Fehlerterm	310.0	44.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14221.9	23	3.80 ***	1.56	0.0001
Anbauorte	182320.1	6	186.85 ***	2.13	0.0000
WW Verf.*Anb.Orte	34408.8	138	1.53 ns	1.26	
Fehler	50414.0	310			
Insgesamt	281364.8	477			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	166.9 -----	134.7 -----	164.0 -----
DKC 3218	155.2 --	137.1 -----	158.1 ---
Emeleen	168.8 -----	128.6 --	165.7 -----
KWS Glasgo	174.6 -----	124.8 -	159.1 ----
Wesley	170.0 -----	138.9 -----	160.2 ----
ES Myrdal	152.0 -	140.6 -----	157.0 ---
LG 31210	180.6 -----	139.2 -----	168.2 -----
Zinedeen	177.4 -----	143.7 -----	182.9 -----
DKC 3359	173.7 -----	146.7 -----	156.4 ---
DKC 2956	165.7 -----	139.9 -----	157.2 ---
Bakersfield	167.6 -----	135.7 -----	152.8 --
SY Broncos	166.8 -----	133.2 ----	148.2 -
LZM173/72	161.6 ----	131.2 ----	165.8 -----
LZM173/46	169.5 -----	142.8 -----	177.5 -----
Silvio	166.1 -----	131.0 ---	161.0 ----
KXC4101	169.5 -----	139.3 -----	167.7 -----
KXC4167	161.4 ----	140.4 -----	167.6 -----
SB0934	174.4 -----	142.3 -----	164.5 ----
(Symetric)	179.8 -----	138.2 -----	174.1 -----
Stribel	158.9 ---	127.3 --	154.3 --
SB0594	172.7 -----	134.9 -----	170.4 -----
Rafting	162.2 ----	140.1 -----	157.8 ---
Bajeno	167.8 -----	132.9 ----	157.9 ---
LG 31217	166.7 -----	139.6 -----	167.6 -----
-Bezugsgrösse(n)	161.1 ----	135.9 -----	161.0 ----
Versuchs-Mittel	167.9 -----	136.8 -----	163.2 -----
VK [%]	6.0	5.9	5.1
KGD (5%)	ns	ns	13.8
KGD (1%)	ns	ns	18.4
Versuchs-Streuung	10.0	8.1	8.4
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	89.9 -----	91.2 -----	102.8 ---	107.1 -----	87.3 -----
DKC 3218	89.6 -----	96.1 -----	109.3 -----	105.3 -----	82.9 ---
Emeleen	86.9 ---	84.2 ---	93.2 -	108.1 -----	85.6 ---
KWS Glasgo	89.3 -----	86.1 ---	112.5 -----	105.1 -----	84.4 ---
Wesley	90.7 -----	77.0 -	126.4 -----	104.4 -----	83.0 ---
ES Myrdal	90.1 -----	93.8 -----	125.5 -----	104.7 -----	78.0 --
LG 31210	89.0 -----	83.7 ---	111.1 -----	108.3 -----	76.9 -
Zinedeen	96.3 -----	88.8 -----	122.9 -----	116.8 -----	85.9 ---
DKC 3359	92.8 -----	86.5 -----	121.0 -----	114.2 -----	89.1 -----
DKC 2956	93.8 -----	89.1 -----	128.0 -----	114.2 -----	91.4 -----
Bakersfield	87.2 ---	81.2 --	115.7 -----	108.0 -----	74.7 -
SY Broncos	83.4 -	78.1 -	110.8 -----	87.3 -	75.2 -
LZM173/72	88.2 ---	80.8 --	110.9 -----	114.4 -----	74.9 -
LZM173/46	88.2 ---	89.4 -----	96.6 --	104.1 -----	82.3 ---
Silvio	89.4 -----	82.2 ---	113.7 -----	106.4 -----	86.4 ---
KXC4101	89.4 -----	79.3 --	114.6 -----	102.6 -----	87.7 -----
KXC4167	93.0 -----	99.3 -----	101.7 ---	99.8 -----	105.2 -----
SB0934	95.4 -----	88.1 -----	129.6 -----	108.0 -----	85.7 ---
(Symetric)	95.1 -----	96.0 -----	127.5 -----	102.8 -----	87.1 -----
Stribel	86.2 ---	87.5 -----	106.7 ---	106.9 -----	86.3 ---
SB0594	87.1 ---	84.7 -----	112.5 -----	97.9 ---	79.1 --
Rafting	90.7 -----	99.2 -----	108.8 -----	108.5 -----	78.6 --
Bajeno	91.9 -----	100.6 -----	116.5 -----	104.8 -----	87.3 -----
LG 31217	92.3 -----	88.4 -----	128.9 -----	103.3 -----	81.9 ---
-Bezugsgrösse(n)	89.8 -----	93.6 -----	106.0 ---	106.2 -----	85.1 ---
Versuchs-Mittel	90.2 -----	88.0 -----	114.5 -----	106.0 -----	84.0 ---
VK [%]	10.5	12.3	10.6	10.8	10.8
KGD (5%)	5.8	ns	19.9	ns	ns
KGD (1%)	7.6	ns	ns	ns	ns
Versuchs-Streuung	9.5	10.8	12.1	11.4	9.1
FG Fehlerterm	312.0	46.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4749.5	23	2.29 ***	1.56	0.0008
Anbauorte	103901.5	6	192.21 ***	2.13	0.0000
WW Verf.*Anb.Orte	16233.4	138	1.31 ns	1.26	
Fehler	28109.9	312			
Insgesamt	152994.4	479			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	85.8 ----	65.4 ---	90.0 -----
DKC 3218	80.5 ---	65.9 ----	87.1 -----
Emeleen	85.1 ----	63.9 --	88.5 -----
KWS Glasgo	96.8 -----	61.4 -	79.0 ---
Wesley	88.0 -----	68.2 ----	87.7 -----
ES Myrdal	75.8 -	67.7 ----	84.8 -----
LG 31210	95.1 -----	67.1 ----	80.8 ----
Zinedeen	95.4 -----	68.4 ----	95.6 -----
DKC 3359	87.7 -----	70.8 -----	80.4 ----
DKC 2956	84.5 ----	70.1 -----	79.3 ---
Bakersfield	88.4 -----	68.3 ----	73.8 -
SY Broncos	89.3 -----	67.5 ----	75.8 -
LZM173/72	81.8 ---	66.7 ----	87.6 -----
LZM173/46	84.2 ----	71.2 -----	89.8 -----
Silvio	85.2 ----	61.4 -	90.2 -----
KXC4101	86.0 ----	66.5 ----	89.1 -----
KXC4167	86.0 ----	67.0 ----	92.2 -----
SB0934	92.2 -----	76.1 -----	87.8 -----
(Symetric)	93.5 -----	67.2 ----	91.5 -----
Stribel	76.6 -	63.1 --	76.4 --
SB0594	86.1 ----	63.4 --	85.7 -----
Rafting	87.2 -----	69.5 -----	83.1 ----
Bajeno	87.0 -----	65.3 ---	81.4 ----
LG 31217	82.1 ----	72.2 -----	89.1 -----
-Bezugsgrösse(n)	83.1 ----	65.6 ----	88.5 -----
Versuchs-Mittel	86.7 -----	67.3 ----	85.3 -----
VK [%]	8.9	10.1	7.9
KGD (5%)	ns	ns	11.1
KGD (1%)	ns	ns	ns
Versuchs-Streuung	7.7	6.8	6.8
FG Fehlerterm	44.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	766.9	768.7	739.5	759.9	773.5
DKC 3218	767.5	763.4	762.7	773.9	752.7
Emeleen	758.4	757.2	743.2	754.6	752.3
KWS Glasgo	761.0	750.3	769.3	751.1	749.9
Wesley	761.5	745.6	770.5	761.7	758.7
ES Myrdal	762.0	744.0	772.6	753.3	762.1
LG 31210	756.5	765.1	739.5	742.5	748.9
Zinedeen	759.7	754.5	744.2	769.7	738.1
DKC 3359	758.8	733.6	754.8	755.9	761.1
DKC 2956	764.4	758.2	767.8	767.2	768.3
Bakersfield	752.5	755.7	741.9	757.3	737.3
SY Broncos	760.8	754.2	757.3	758.6	755.1
LZM173/72	762.3	747.7	752.3	759.1	763.5
LZM173/46	741.1	736.1	704.1	739.6	747.5
Silvio	754.0	734.6	756.1	752.1	750.9
KXC4101	752.1	743.8	743.3	745.6	753.2
KXC4167	760.1	764.9	737.4	738.9	778.3
SB0934	762.9	753.6	748.8	770.3	766.8
(Symetric)	757.9	752.2	759.7	751.2	760.7
Stribel	757.6	751.3	738.7	761.1	752.6
SB0594	753.5	753.6	753.6	743.1	737.4
Rafting	754.5	761.9	752.6	759.4	734.3
Bajeno	766.5	778.9	759.1	754.2	761.8
LG 31217	761.5	757.3	764.8	754.2	755.5
-Bezugsgrösse(n)	767.2	766.0	751.1	766.9	763.1
Versuchs-Mittel	758.9	753.6	751.4	755.6	755.0
VK [%]	2.4	2.7	2.9	3.3	2.5
KGD (5%)	11.2	ns	ns	ns	ns
KGD (1%)	14.8	ns	ns	ns	ns
Versuchs-Streuung	18.5	20.4	21.6	25.2	18.8
FG Fehlerterm	318.0	44.0	46.0	46.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16236.8	23	2.07 **	1.56	0.0032
Anbauorte	28552.2	6	13.96 ***	2.13	0.0000
WW Verf.*Anb.Orte	41533.4	138	0.88 ns	1.26	
Fehler	108433.4	318			
Insgesamt	194755.8	485			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	780.7 -----	783.0 -----	763.0 -----
DKC 3218	772.8 -----	780.5 -----	766.8 -----
Emeleen	761.0 ---	767.3 ---	773.6 -----
KWS Glasgo	784.8 -----	758.8 -	762.8 -----
Wesley	766.1 ----	770.1 ----	758.1 -----
ES Myrdal	784.6 -----	760.8 --	756.2 -----
LG 31210	772.7 -----	774.8 -----	752.3 -----
Zinedeen	777.6 -----	772.3 -----	761.7 -----
DKC 3359	771.7 -----	784.9 -----	749.8 -----
DKC 2956	783.2 -----	773.3 -----	733.0 -
Bakersfield	765.7 ----	771.7 -----	737.9 --
SY Broncos	763.8 ----	767.7 ----	768.7 -----
LZM173/72	764.0 ----	776.4 -----	773.2 -----
LZM173/46	757.5 --	761.8 --	741.0 ---
Silvio	752.5 -	760.7 --	770.9 -----
KXC4101	763.2 ----	775.4 -----	740.1 --
KXC4167	766.6 ----	777.7 -----	756.7 -----
SB0934	770.5 -----	779.1 -----	751.1 -----
(Symetric)	768.0 -----	758.2 -	755.6 -----
Stribel	762.6 ---	777.2 -----	760.1 -----
SB0594	765.0 ----	765.1 ---	756.8 -----
Rafting	765.0 ----	769.3 -----	738.8 --
Bajeno	788.6 -----	776.1 -----	746.9 ----
LG 31217	777.6 -----	762.4 --	758.4 -----
-Bezugsgrösse(n)	776.7 -----	781.8 -----	764.9 -----
Versuchs-Mittel	770.2 -----	771.0 -----	755.6 -----
VK [%]	1.6	1.6	1.9
KGD (5%)	ns	ns	23.6
KGD (1%)	ns	ns	ns
Versuchs-Streuung	12.3	12.5	14.3
FG Fehlerterm	44.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	409.7 -----	408.5 ----	403.7 ----	446.1 -----	411.3 -----
DKC 3218	409.7 -----	406.1 ----	404.1 ----	470.3 -----	388.3 ----
Emeleen	408.3 -----	419.5 -----	422.0 -----	444.6 -----	394.7 ----
KWS Glasgo	413.5 -----	421.0 -----	437.8 -----	440.7 -----	407.4 ----
Wesley	418.6 -----	387.6 --	459.1 -----	464.5 -----	429.3 -----
ES Myrdal	413.7 -----	421.8 -----	454.1 -----	448.5 -----	407.5 -----
LG 31210	396.4 ----	400.6 ----	410.8 ----	433.4 ----	388.3 ----
Zinedeen	407.7 -----	404.2 ----	418.7 ----	462.9 -----	386.2 ----
DKC 3359	397.2 ----	380.3 -	414.7 ----	444.3 -----	388.0 ----
DKC 2956	409.3 -----	402.9 ----	432.0 -----	460.9 -----	412.7 -----
Bakersfield	399.9 ----	411.2 -----	428.6 -----	453.0 -----	358.8 -
SY Broncos	405.3 -----	397.5 ----	417.2 -----	436.1 ----	396.9 -----
LZM173/72	407.2 -----	396.1 --	420.8 -----	444.5 -----	397.8 -----
LZM173/46	379.4 -	385.4 --	361.3 -	408.5 -	369.0 --
Silvio	401.6 ----	385.0 --	436.0 -----	427.3 ----	390.4 ----
KXC4101	393.5 ----	383.0 -	420.2 -----	406.5 -	394.2 -----
KXC4167	407.8 -----	433.5 -----	395.9 ----	417.5 --	414.5 -----
SB0934	414.4 -----	413.6 ----	430.3 -----	447.2 -----	384.4 ----
(Symetric)	405.3 -----	413.0 ----	439.9 -----	415.0 --	403.8 -----
Stribel	391.2 ----	378.8 -	403.9 ----	440.2 -----	387.4 ----
SB0594	388.7 ---	403.9 ----	418.7 ----	414.8 --	362.3 -
Rafting	409.5 -----	422.7 -----	415.0 ----	459.9 -----	389.0 ----
Bajeno	412.9 -----	440.2 -----	430.4 -----	444.7 -----	400.2 ----
LG 31217	412.2 -----	424.1 -----	446.4 -----	439.1 ----	397.3 ----
-Bezugsgrösse(n)	409.7 -----	407.3 ----	403.9 ----	458.2 -----	399.8 -----
Versuchs-Mittel	404.7 -----	405.9 ----	421.7 -----	440.4 -----	394.2 -----
VK [%]	6.7	7.4	7.0	7.4	4.8
KGD (5%)	16.4	ns	ns	ns	30.8
KGD (1%)	21.6	ns	ns	ns	41.2
Versuchs-Streuung	27.0	30.1	29.6	32.6	18.8
FG Fehlerterm	314.0	44.0	46.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	43451.0	23	2.58 ***	1.56	0.0005
Anbauorte	180364.2	6	41.09 ***	2.13	0.0000
WW Verf.*Anb.Orte	100044.2	138	0.99 ns	1.26	
Fehler	229721.3	314			
Insgesamt	553580.6	481			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	399.7 -----	380.1 -----	418.3 -----
DKC 3218	400.7 -----	376.8 ----	421.7 -----
Emeleen	382.1 ---	381.3 -----	414.0 -----
KWS Glasgo	435.1 -----	373.6 ----	379.0 ----
Wesley	396.3 -----	376.8 ----	416.6 -----
ES Myrdal	389.4 ----	366.0 --	408.8 -----
LG 31210	406.8 -----	373.8 ----	360.8 -
Zinedeen	418.6 -----	365.1 --	398.1 -----
DKC 3359	388.6 ----	378.7 ----	385.6 ----
DKC 2956	399.0 -----	387.9 -----	369.8 --
Bakersfield	403.6 -----	388.3 -----	356.1 -
SY Broncos	408.9 -----	386.9 -----	393.4 -----
LZM173/72	387.2 ----	396.4 -----	407.5 -----
LZM173/46	376.5 --	379.8 -----	374.9 ---
Silvio	385.4 ---	356.0 -	430.8 -----
KXC4101	387.4 ----	370.2 ---	393.1 -----
KXC4167	408.2 -----	371.3 ---	413.9 -----
SB0934	407.3 -----	416.7 -----	401.4 -----
(Symetric)	399.8 -----	367.7 ---	398.1 -----
Stribel	366.2 -	385.6 -----	376.4 ---
SB0594	380.8 ---	359.7 -	380.5 ----
Rafting	411.1 -----	379.6 ----	389.2 -----
Bajeno	408.4 -----	381.3 -----	385.2 ----
LG 31217	382.6 ---	392.6 -----	403.2 -----
-Bezugsgrösse(n)	400.2 -----	378.4 ----	420.0 -----
Versuchs-Mittel	397.1 -----	378.8 ----	394.8 -----
VK [%]	6.3	7.1	6.1
KGD (5%)	ns	ns	39.5
KGD (1%)	ns	ns	ns
Versuchs-Streuung	25.0	27.1	24.0
FG Fehlerterm	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	168.1 -	172.4 ----	182.0 -----	151.5 ----	165.8 -
DKC 3218	166.9 -	170.8 ----	172.3 ----	141.0 -	176.9 -----
Emeleen	170.1 ---	170.7 ---	169.4 ---	151.3 ---	179.4 -----
KWS Glasgo	169.2 --	177.8 -----	160.2 --	155.6 -----	171.8 ---
Wesley	168.3 -	184.7 -----	154.8 -	147.4 --	168.2 --
ES Myrdal	168.4 --	181.9 -----	154.7 -	153.2 ----	168.8 --
LG 31210	174.3 -----	173.3 ----	176.5 -----	162.9 -----	179.4 -----
Zinedeen	172.4 ----	176.7 -----	175.6 -----	151.5 ----	183.8 -----
DKC 3359	173.0 ----	190.7 -----	169.0 ---	153.0 ----	176.1 ----
DKC 2956	168.5 --	176.7 -----	159.6 --	145.4 --	168.2 --
Bakersfield	175.9 -----	179.3 -----	172.2 ----	156.5 ----	188.8 -----
SY Broncos	172.8 ----	175.2 ----	166.4 ---	166.9 -----	179.6 -----
LZM173/72	171.2 ---	184.8 -----	167.8 ---	163.8 -----	173.7 ---
LZM173/46	183.1 -----	187.5 -----	196.3 -----	173.5 -----	182.9 -----
Silvio	173.9 ----	184.3 -----	161.2 --	167.0 -----	177.3 ----
KXC4101	179.1 -----	183.9 -----	179.7 -----	171.8 -----	177.6 ----
KXC4167	174.3 ----	169.5 ---	185.2 -----	175.5 -----	164.1 -
SB0934	173.0 ----	177.1 ----	169.6 ---	162.6 -----	176.8 ----
(Symetric)	176.9 -----	178.9 -----	165.7 ---	171.1 -----	181.3 -----
Stribel	175.5 -----	181.5 -----	179.9 -----	160.4 -----	179.8 -----
SB0594	179.2 -----	179.3 -----	170.5 ---	176.2 -----	187.7 -----
Rafting	175.9 -----	173.9 ----	172.1 ----	159.7 -----	189.9 -----
Bajeno	169.5 --	160.5 -	168.5 ---	162.2 -----	173.1 ----
LG 31217	171.5 ---	171.1 ----	160.5 --	170.3 -----	174.6 ----
-Bezugsgrösse(n)	167.5 -	171.6 ----	177.2 -----	146.3 --	171.3 ---
Versuchs-Mittel	173.0 ----	177.6 -----	170.4 ----	160.4 -----	176.9 -----
VK [%]	6.8	7.1	8.4	10.9	5.4
KGD (5%)	7.1	ns	ns	ns	ns
KGD (1%)	9.4	ns	ns	ns	ns
Versuchs-Streuung	11.8	12.6	14.2	17.4	9.6
FG Fehlerterm	316.0	44.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8095.5	23	2.55 ***	1.56	0.0006
Anbauorte	17855.5	6	21.54 ***	2.13	0.0000
WW Verf.*Anb.Orte	20273.3	138	1.06 ns	1.26	
Fehler	43665.8	316			
Insgesamt	89890.1	483			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	167.8 ----	165.9 -	171.6 ---
DKC 3218	165.7 ----	170.1 ---	171.4 ---
Emeleen	176.3 -----	177.4 -----	166.4 -
KWS Glasgo	158.2 -	182.5 -----	178.3 ----
Wesley	167.5 ----	178.3 -----	177.4 ----
ES Myrdal	164.0 ---	182.8 -----	173.2 ---
LG 31210	165.3 ----	176.5 -----	186.0 -----
Zinedeen	162.1 --	178.0 -----	179.1 ----
DKC 3359	170.0 -----	169.4 --	182.9 -----
DKC 2956	165.3 ----	169.5 ---	195.2 -----
Bakersfield	169.0 ----	175.9 -----	189.3 -----
SY Broncos	172.8 -----	174.0 ----	175.1 ----
LZM173/72	176.2 -----	167.0 -	164.9 -
LZM173/46	179.7 -----	176.9 -----	185.2 -----
Silvio	174.6 -----	184.6 -----	168.2 --
KXC4101	180.7 -----	173.6 ----	186.4 -----
KXC4167	174.7 -----	176.9 -----	173.9 ----
SB0934	169.7 ----	175.2 ----	180.1 ----
(Symetric)	175.6 -----	184.0 -----	181.6 ----
Stribel	176.6 -----	168.1 --	182.2 ----
SB0594	180.1 -----	177.8 -----	182.7 ----
Rafting	174.6 -----	175.5 ----	185.6 -----
Bajeno	165.4 ----	171.0 ---	185.5 -----
LG 31217	172.8 -----	172.2 ----	178.7 ----
-Bezugsgrösse(n)	166.8 ----	168.0 --	171.5 ---
Versuchs-Mittel	171.0 -----	175.1 -----	179.2 ----
VK [%]	5.0	5.1	4.6
KGD (5%)	ns	ns	13.7
KGD (1%)	ns	ns	18.2
Versuchs-Streuung	8.6	8.9	8.3
FG Fehlerterm	46.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	377.6 -	376.6 ----	396.6 -----	364.4 ---	373.5 --
DKC 3218	377.0 -	382.1 ----	381.7 ----	355.2 -	392.9 -----
Emeleen	383.1 ---	376.9 ----	382.7 ----	371.8 ----	393.1 -----
KWS Glasgo	381.7 ---	390.2 -----	368.7 --	371.7 ----	392.7 -----
Wesley	382.0 ---	400.3 -----	360.1 -	370.2 ----	376.5 --
ES Myrdal	378.6 -	386.3 -----	361.7 -	370.4 ----	380.7 ---
LG 31210	388.0 ----	381.9 ----	397.8 -----	383.2 -----	390.8 -----
Zinedeen	383.5 ---	385.6 -----	394.3 ----	360.4 --	398.3 -----
DKC 3359	388.4 ----	409.1 -----	380.9 ----	370.2 ----	388.6 ----
DKC 2956	379.2 --	383.7 ----	370.3 --	362.0 --	372.4 -
Bakersfield	387.9 ----	385.5 -----	385.5 ----	375.1 -----	405.6 -----
SY Broncos	384.5 ----	391.0 -----	383.6 ----	374.1 ----	392.6 -----
LZM173/72	379.4 --	394.1 -----	381.8 ----	368.4 ----	378.8 ---
LZM173/46	401.4 -----	404.1 -----	431.0 -----	390.7 -----	400.1 -----
Silvio	390.1 -----	407.0 -----	378.0 ---	382.7 -----	395.7 -----
KXC4101	392.9 -----	402.1 -----	382.0 ----	392.6 -----	393.5 -----
KXC4167	384.2 ----	376.3 ----	401.6 -----	394.6 -----	368.8 -
SB0934	383.8 ---	388.8 ----	388.7 ----	365.9 ---	385.7 ----
(Symetric)	384.8 ----	391.0 -----	371.7 --	382.1 -----	380.4 ---
Stribel	390.8 -----	395.5 -----	395.1 -----	375.4 -----	396.8 -----
SB0594	390.3 -----	388.7 -----	382.5 ----	385.1 -----	408.7 -----
Rafting	390.1 -----	381.0 ----	381.5 ----	375.6 -----	413.0 -----
Bajeno	377.3 -	360.3 -	379.5 ---	373.3 ----	381.9 ----
LG 31217	382.0 ---	378.7 ----	365.3 -	380.4 -----	389.6 ----
-Bezugsgrösse(n)	377.3 -	379.3 ----	389.2 ----	359.8 --	383.2 ----
Versuchs-Mittel	384.9 ----	388.2 -----	383.4 ----	374.8 -----	389.6 ----
VK [%]	4.8	5.2	5.9	6.9	3.9
KGD (5%)	11.2	ns	ns	ns	ns
KGD (1%)	14.7	ns	ns	ns	ns
Versuchs-Streuung	18.4	20.1	22.8	25.7	15.2
FG Fehlerterm	316.0	46.0	46.0	44.0	44.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16651.3	23	2.14 **	1.56	0.0021
Anbauorte	15379.9	6	7.57 ***	2.13	0.0000
WW Verf.*Anb.Orte	44649.1	138	0.95 ns	1.26	
Fehler	107070.6	316			
Insgesamt	183750.9	483			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	372.0 ----	375.8 -	384.3 ----
DKC 3218	379.6 -----	376.7 --	371.1 -
Emeleen	393.8 -----	387.3 ----	375.9 --
KWS Glasgo	361.6 -	397.7 -----	389.2 ----
Wesley	389.3 -----	389.0 ----	388.5 ----
ES Myrdal	370.3 ---	396.7 -----	384.2 ----
LG 31210	376.0 ----	385.0 ----	401.0 -----
Zinedeen	367.7 --	389.1 -----	388.9 ----
DKC 3359	386.5 -----	380.5 ---	403.2 -----
DKC 2956	368.5 ---	382.1 ---	415.7 -----
Bakersfield	374.0 ----	381.4 ---	407.9 -----
SY Broncos	385.2 -----	382.8 ----	382.5 ---
LZM173/72	389.3 -----	373.3 -	370.2 -
LZM173/46	389.9 -----	390.9 -----	402.8 -----
Silvio	392.6 -----	403.7 -----	370.9 -
KXC4101	389.0 -----	383.7 ----	407.6 -----
KXC4167	378.5 -----	381.3 ---	388.1 ----
SB0934	381.7 -----	377.8 --	398.0 -----
(Symetric)	378.5 -----	398.3 -----	391.9 ----
Stribel	389.0 -----	387.5 ----	396.7 ----
SB0594	383.2 -----	392.1 -----	391.9 ----
Rafting	384.7 -----	391.3 -----	403.4 -----
Bajeno	362.2 -	382.8 ----	401.2 -----
LG 31217	378.3 -----	388.3 -----	393.7 -----
-Bezugsgrösse(n)	375.8 ----	376.2 --	377.7 --
Versuchs-Mittel	380.1 -----	386.5 -----	392.0 ----
VK [%]	3.5	3.6	3.5
KGD (5%)	ns	ns	22.6
KGD (1%)	ns	ns	30.2
Versuchs-Streuung	13.3	13.9	13.8
FG Fehlerterm	44.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		3065 Habstetten		5643 Alikon AG	
KWS Papageno	196.5	-	197.9	----	214.5	-----	182.9	----	196.6	--
DKC 3218	195.7	-	199.4	----	201.8	-----	170.6	-	208.8	-----
Emeleen	199.9	---	198.2	----	203.0	-----	182.9	----	212.9	-----
KWS Glasgo	197.8	--	206.2	-----	188.9	--	187.5	-----	203.2	----
Wesley	196.9	-	214.5	-----	182.8	-	175.9	--	198.9	----
ES Myrdal	197.9	--	212.0	-----	183.2	-	184.3	----	201.2	----
LG 31210	203.5	-----	198.9	----	207.5	-----	195.3	-----	212.0	-----
Zinedeen	201.1	---	208.1	-----	206.6	-----	178.9	---	215.2	-----
DKC 3359	201.4	-----	223.6	-----	199.8	----	182.0	----	205.7	-----
DKC 2956	196.7	-	205.6	-----	186.8	-	174.5	--	198.5	---
Bakersfield	206.2	-----	207.7	-----	201.5	----	185.3	-----	222.4	-----
SY Broncos	201.3	-----	202.9	-----	195.8	---	196.9	-----	209.3	-----
LZM173/72	199.1	--	213.7	-----	198.5	----	192.5	-----	204.1	----
LZM173/46	214.8	-----	219.2	-----	231.0	-----	206.8	-----	216.6	-----
Silvio	203.4	-----	217.5	-----	191.1	--	198.8	-----	208.5	-----
KXC4101	208.1	-----	214.7	-----	214.1	-----	203.0	-----	207.7	-----
KXC4167	202.2	----	197.0	----	217.8	-----	206.4	-----	191.2	-
SB0934	200.3	---	205.4	-----	199.3	----	190.0	-----	205.2	-----
(Symetric)	205.1	-----	207.0	-----	195.4	---	201.2	-----	210.7	-----
Stribel	205.0	-----	211.9	-----	215.2	-----	189.5	-----	208.4	-----
SB0594	208.9	-----	209.3	-----	199.9	----	205.8	-----	222.5	-----
Rafting	205.2	-----	202.7	-----	203.4	-----	187.2	-----	223.2	-----
Bajeno	197.6	--	185.2	-	199.0	----	193.9	-----	203.1	----
LG 31217	200.9	---	202.2	-----	190.9	--	199.2	-----	206.8	-----
-Bezugsgrösse(n)	196.1	-	198.6	----	208.2	-----	176.7	--	202.7	----
Versuchs-Mittel	201.9	-----	206.7	-----	201.2	----	190.5	-----	208.0	-----
VK [%]	7.0		7.4		8.6		10.6		6.0	
KGD (5%)	8.6		ns		ns		ns		ns	
KGD (1%)	11.3		ns		ns		ns		ns	
Versuchs-Streuung	14.2		15.3		17.3		20.2		12.4	
FG Fehlerterm	316.0		44.0		44.0		44.0		46.0	
Anz. Beob.	21.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	10416.2	23	2.25	**	1.56	0.0011
Anbauorte	17759.9	6	14.70	***	2.13	0.0000
WW Verf.*Anb.Orte	28321.0	138	1.02	ns	1.26	
Fehler	63621.9	316				
Insgesamt	120119.0	483				

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	193.5 ----	189.2 -	201.1 ---
DKC 3218	192.5 ----	195.0 ---	201.6 ---
Emeleen	206.0 -----	204.0 -----	192.6 -
KWS Glasgo	181.6 -	208.7 -----	208.3 -----
Wesley	196.9 -----	203.8 -----	205.5 -----
ES Myrdal	191.2 ----	212.6 -----	200.8 ---
LG 31210	193.3 ----	201.2 -----	216.2 -----
Zinedeen	188.1 ---	202.9 -----	208.2 -----
DKC 3359	196.9 -----	189.6 -	212.5 -----
DKC 2956	192.6 ----	193.7 ---	225.2 -----
Bakersfield	198.2 -----	203.4 -----	224.9 -----
SY Broncos	199.5 -----	202.2 -----	202.3 ----
LZM173/72	203.3 -----	189.6 -	192.3 -
LZM173/46	210.8 -----	204.4 -----	214.9 -----
Silvio	205.6 -----	209.9 -----	192.4 -
KXC4101	207.5 -----	195.4 ---	213.9 -----
KXC4167	200.2 -----	200.4 ----	202.2 ----
SB0934	196.5 -----	198.2 ----	207.7 ----
(Symetric)	201.6 -----	212.1 -----	207.7 ----
Stribel	204.2 -----	195.0 ---	210.7 -----
SB0594	206.4 -----	206.1 -----	212.2 -----
Rafting	200.8 -----	201.1 -----	217.9 -----
Bajeno	188.6 ---	196.2 ----	217.0 -----
LG 31217	199.2 -----	200.6 ----	207.2 ----
-Bezugsgrösse(n)	193.0 ----	192.1 --	201.3 ---
Versuchs-Mittel	198.1 -----	200.6 ----	208.1 -----
VK [%]	5.3	5.4	4.9
KGD (5%)	ns	ns	16.7
KGD (1%)	ns	ns	22.3
Versuchs-Streuung	10.4	10.9	10.2
FG Fehlerterm	46.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	19.0	--	19.1	21.1	19.8	18.6
DKC 3218	18.7	-	19.4	18.6	18.5	19.9
Emeleen	19.9	-----	20.0	21.8	20.4	21.0
KWS Glasgo	19.6	-----	20.5	18.6	21.1	20.2
Wesley	18.9	--	20.4	18.8	18.4	19.9
ES Myrdal	19.5	----	20.9	19.1	21.2	19.3
LG 31210	19.8	-----	18.8	21.6	21.6	20.5
Zinedeen	19.6	-----	20.9	21.9	19.1	21.4
DKC 3359	18.8	-	21.4	19.4	19.5	19.3
DKC 2956	18.9	--	20.2	19.2	18.6	18.9
Bakersfield	20.1	-----	20.2	20.8	18.7	21.9
SY Broncos	19.4	----	19.9	19.0	19.2	20.9
LZM173/72	19.0	--	20.5	19.6	19.9	19.7
LZM173/46	21.1	-----	21.8	23.3	21.3	20.8
Silvio	19.4	----	21.7	19.1	18.7	20.1
KXC4101	19.9	-----	19.9	21.7	20.2	20.1
KXC4167	19.5	----	19.3	21.5	21.0	19.2
SB0934	19.3	---	19.7	19.9	19.2	19.2
(Symetric)	20.0	-----	20.1	19.3	20.1	20.9
Stribel	19.1	---	19.7	21.1	19.1	20.1
SB0594	19.9	-----	20.7	19.1	20.8	22.2
Rafting	19.4	----	19.6	20.2	18.8	20.7
Bajeno	18.6	-	18.2	18.6	20.6	18.9
LG 31217	19.2	---	19.9	19.2	19.8	19.5
-Bezugsgrösse(n)	18.8	-	19.3	19.8	19.1	19.2
Versuchs-Mittel	19.4	----	20.1	20.1	19.8	20.1
VK [%]	8.2		8.8	8.9	9.7	8.9
KGD (5%)	1.0		ns	ns	ns	ns
KGD (1%)	1.3		ns	ns	ns	ns
Versuchs-Streuung	1.6		1.8	1.8	1.9	1.8
FG Fehlerterm	318.0		44.0	46.0	44.0	46.0
Anz. Beob.	21.0		3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	149.4	23	2.56 ***	1.56	0.0006
Anbauorte	371.0	6	24.36 ***	2.13	0.0000
WW Verf.*Anb.Orte	375.0	138	1.07 ns	1.26	
Fehler	807.2	318			
Insgesamt	1702.6	485			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	18.3 ----	16.9 ---	18.9 ----
DKC 3218	18.0 ----	17.1 ----	19.5 ----
Emeleen	18.9 -----	18.9 -----	18.4 --
KWS Glasgo	17.9 ----	19.3 -----	19.8 -----
Wesley	17.2 --	18.1 -----	19.4 ----
ES Myrdal	17.5 ---	18.8 -----	19.5 ----
LG 31210	18.3 ----	17.4 -----	20.3 -----
Zinedeen	17.8 ---	16.8 ---	19.6 ----
DKC 3359	16.6 -	16.1 -	19.5 ----
DKC 2956	17.8 ---	16.9 ---	21.0 -----
Bakersfield	19.6 -----	18.3 -----	21.0 -----
SY Broncos	19.2 -----	18.5 -----	19.1 ----
LZM173/72	18.8 -----	16.8 ---	18.0 -
LZM173/46	21.1 -----	18.3 -----	21.3 -----
Silvio	20.1 -----	17.7 -----	18.4 --
KXC4101	20.1 -----	16.9 ---	20.3 -----
KXC4167	19.7 -----	16.6 --	19.2 ----
SB0934	18.8 ----	18.0 -----	20.4 -----
(Symetric)	20.2 -----	19.0 -----	20.3 -----
Stribel	18.9 -----	16.8 ---	18.3 --
SB0594	18.6 ----	18.9 -----	18.7 ---
Rafting	17.9 ----	17.6 -----	21.2 -----
Bajeno	16.9 -	17.1 ----	20.0 -----
LG 31217	17.9 ----	19.1 -----	18.7 ---
-Bezugsgrösse(n)	18.2 ----	17.0 ---	19.2 ----
Versuchs-Mittel	18.6 -----	17.7 -----	19.6 -----
VK [%]	6.3	7.1	6.6
KGD (5%)	1.9	ns	ns
KGD (1%)	2.6	ns	ns
Versuchs-Streuung	1.2	1.3	1.3
FG Fehlerterm	46.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	77.2 -----	80.4 -----	70.7 --	77.1 -----	77.6 -----
DKC 3218	77.1 -----	76.7 ----	73.7 -----	74.8 ----	78.1 -----
Emeleen	77.3 -----	81.6 -----	75.8 -----	75.1 -----	76.5 -----
KWS Glasgo	75.1 -	73.3 -	73.4 ----	76.8 -----	72.8 ---
Wesley	75.5 --	76.3 ----	74.9 -----	73.1 ---	77.2 -----
ES Myrdal	75.5 --	73.2 -	73.2 ----	74.7 ----	77.3 -----
LG 31210	77.6 -----	78.5 -----	72.8 ----	76.5 -----	81.5 -----
Zinedeen	75.9 ---	78.7 -----	71.1 ---	74.8 ----	76.1 -----
DKC 3359	75.5 --	75.1 ---	74.4 -----	75.0 -----	76.4 -----
DKC 2956	77.4 -----	79.0 -----	75.8 -----	73.8 ----	78.1 -----
Bakersfield	76.5 ----	75.2 ---	72.2 ----	73.3 ---	79.1 -----
SY Broncos	77.7 -----	78.5 -----	75.1 -----	75.5 -----	74.9 ----
LZM173/72	79.2 -----	79.4 -----	75.4 -----	78.6 -----	80.7 -----
LZM173/46	76.6 ----	75.9 ---	75.6 -----	76.7 -----	76.1 ----
Silvio	74.8 -	73.2 -	72.9 ----	72.7 ---	77.3 -----
KXC4101	75.8 ---	76.8 ----	76.8 -----	74.8 ----	74.8 ----
KXC4167	76.9 ----	76.2 ----	71.0 --	74.8 ----	79.0 -----
SB0934	75.0 -	75.8 ----	73.6 -----	71.8 -	79.9 -----
(Symetric)	76.0 ---	74.4 --	74.5 -----	76.2 -----	77.2 -----
Stribel	76.2 ----	77.1 -----	72.7 ----	73.3 ---	76.0 ----
SB0594	77.5 -----	80.0 -----	75.7 -----	73.7 ----	76.8 -----
Rafting	75.2 --	76.5 ----	77.9 -----	75.1 -----	69.7 -
Bajeno	77.4 -----	77.7 -----	69.5 -	71.2 -	82.8 -----
LG 31217	74.9 -	75.9 ----	73.5 ----	71.4 -	77.5 -----
-Bezugsgrösse(n)	77.1 -----	78.6 -----	72.2 ----	75.9 -----	77.9 -----
Versuchs-Mittel	76.4 ----	76.9 ----	73.8 -----	74.6 ----	77.2 -----
VK [%]	4.2	4.4	4.1	3.9	4.2
KGD (5%)	2.0	ns	ns	ns	5.4
KGD (1%)	2.6	ns	ns	ns	ns
Versuchs-Streuung	3.2	3.4	3.0	2.9	3.3
FG Fehlerterm	312.0	44.0	44.0	44.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	623.9	23	2.61 ***	1.56	0.0005
Anbauorte	2109.3	6	33.77 ***	2.13	0.0000
WW Verf.*Anb.Orte	2269.0	138	1.58 ns	1.26	
Fehler	3247.9	312			
Insgesamt	8250.1	479			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	76.4 --	83.8 -----	74.3 ----
DKC 3218	79.7 -----	80.5 -----	76.5 -----
Emeleen	77.5 ---	78.6 ----	76.2 -----
KWS Glasgo	77.5 ---	74.5 -	77.3 -----
Wesley	76.0 --	76.3 ---	74.7 -----
ES Myrdal	80.1 -----	75.8 --	74.5 ----
LG 31210	78.4 ----	78.7 ----	77.1 -----
Zinedeen	78.3 ----	81.0 -----	71.0 -
DKC 3359	76.7 ---	80.3 -----	70.4 -
DKC 2956	79.9 -----	83.7 -----	71.2 -
Bakersfield	81.7 -----	79.3 ----	74.4 ----
SY Broncos	79.0 ----	85.6 -----	75.3 -----
LZM173/72	75.1 -	86.4 -----	79.0 -----
LZM173/46	78.2 ----	77.8 ----	75.8 -----
Silvio	77.2 ---	77.8 ----	72.3 ---
KXC4101	76.0 --	80.4 -----	71.1 -
KXC4167	78.8 ----	84.0 -----	74.6 -----
SB0934	78.1 ----	73.5 -	72.4 ---
(Symetric)	77.3 ---	78.2 ----	74.0 ----
Stribel	82.8 -----	79.7 ----	71.9 --
SB0594	78.2 ----	81.5 -----	76.6 -----
Rafting	76.1 --	78.4 ----	72.9 ----
Bajeno	83.5 -----	80.2 -----	76.5 -----
LG 31217	78.3 ----	74.5 -	72.9 ----
-Bezugsgrösse(n)	78.0 ----	82.1 -----	75.4 -----
Versuchs-Mittel	78.4 ----	79.6 ----	74.3 ----
VK [%]	4.4	4.6	3.7
KGD (5%)	ns	6.0	4.5
KGD (1%)	ns	8.0	ns
Versuchs-Streuung	3.5	3.6	2.8
FG Fehlerterm	46.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	7.1 -----	7.1 -----	6.8 -----	7.0 -----	7.2 -----
DKC 3218	7.1 -----	7.1 -----	7.1 -----	7.2 -----	7.0 -----
Emeleen	7.0 -----	7.0 -----	6.8 -----	7.0 -----	6.9 -----
KWS Glasgo	7.0 -----	6.9 ---	7.1 -----	6.9 ---	6.9 ---
Wesley	7.0 -----	6.9 ---	7.1 -----	7.0 -----	7.0 -----
ES Myrdal	7.1 -----	6.8 ---	7.2 -----	6.9 -----	7.1 -----
LG 31210	7.0 -----	7.1 -----	6.8 -----	6.8 --	6.9 ---
Zinedeen	7.0 -----	7.0 -----	6.8 -----	7.1 -----	6.8 --
DKC 3359	7.0 -----	6.7 -	7.0 -----	7.0 -----	7.0 -----
DKC 2956	7.1 -----	7.0 -----	7.1 -----	7.1 -----	7.1 -----
Bakersfield	6.9 -----	7.0 -----	6.8 -----	7.0 -----	6.8 -
SY Broncos	7.0 -----	7.0 -----	7.0 -----	7.0 -----	7.0 -----
LZM173/72	7.1 -----	6.9 ---	6.9 -----	7.0 -----	7.1 -----
LZM173/46	6.8 -	6.8 -	6.4 -	6.8 -	6.9 ---
Silvio	7.0 -----	6.7 -	7.0 -----	6.9 ---	6.9 ---
KXC4101	6.9 -----	6.9 ---	6.8 -----	6.9 ---	7.0 -----
KXC4167	7.0 -----	7.1 -----	6.8 -----	6.8 -	7.2 -----
SB0934	7.1 -----	7.0 -----	6.9 -----	7.1 -----	7.1 -----
(Symetric)	7.0 -----	6.9 -----	7.0 -----	6.9 ---	7.0 -----
Stribel	7.0 -----	6.9 -----	6.8 -----	7.0 -----	6.9 -----
SB0594	7.0 -----	7.0 -----	7.0 -----	6.8 --	6.8 -
Rafting	7.0 -----	7.1 -----	6.9 -----	7.0 -----	6.7 -
Bajeno	7.1 -----	7.2 -----	7.0 -----	7.0 -----	7.1 -----
LG 31217	7.0 -----	7.0 -----	7.1 -----	7.0 -----	7.0 -----
-Bezugsgrösse(n)	7.1 -----	7.1 -----	6.9 -----	7.1 -----	7.1 -----
Versuchs-Mittel	7.0 -----	7.0 -----	6.9 -----	7.0 -----	7.0 -----
VK [%]	3.0	3.3	3.5	4.1	3.1
KGD (5%)	0.1	ns	ns	ns	ns
KGD (1%)	0.2	ns	ns	ns	ns
Versuchs-Streuung	0.2	0.2	0.2	0.3	0.2
FG Fehlerterm	318.0	44.0	46.0	46.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2.1	23	2.07 **	1.56	0.0032
Anbauorte	3.8	6	14.55 ***	2.13	0.0000
WW Verf.*Anb.Orte	5.3	138	0.89 ns	1.26	
Fehler	13.9	318			
Insgesamt	25.1	485			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	7.3 -----	7.3 -----	7.1 -----
DKC 3218	7.2 -----	7.3 -----	7.1 -----
Emeleen	7.0 ---	7.1 ---	7.2 -----
KWS Glasgo	7.3 -----	7.0 -	7.1 -----
Wesley	7.1 ---	7.1 ----	7.0 -----
ES Myrdal	7.3 -----	7.0 --	7.0 -----
LG 31210	7.2 -----	7.2 -----	6.9 ----
Zinedeen	7.2 -----	7.2 -----	7.0 -----
DKC 3359	7.2 -----	7.3 -----	6.9 ----
DKC 2956	7.3 -----	7.2 -----	6.7 -
Bakersfield	7.1 ----	7.2 -----	6.8 --
SY Broncos	7.1 ----	7.1 ----	7.1 -----
LZM173/72	7.1 ----	7.2 -----	7.2 -----
LZM173/46	7.0 --	7.1 --	6.8 ---
Silvio	6.9 -	7.0 --	7.2 -----
KXC4101	7.1 ----	7.2 -----	6.8 --
KXC4167	7.1 ----	7.2 -----	7.0 -----
SB0934	7.2 -----	7.2 -----	6.9 ----
(Symetric)	7.1 ----	7.0 -	7.0 -----
Stribel	7.1 ---	7.2 -----	7.0 -----
SB0594	7.1 ----	7.1 ---	7.0 -----
Rafting	7.1 ----	7.1 -----	6.8 --
Bajeno	7.4 -----	7.2 -----	6.9 ----
LG 31217	7.2 -----	7.1 --	7.0 -----
-Bezugsgrösse(n)	7.2 -----	7.3 -----	7.1 -----
Versuchs-Mittel	7.1 ----	7.2 ----	7.0 -----
VK [%]	2.0	2.0	2.3
KGD (5%)	ns	ns	0.3
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.1	0.1	0.2
FG Fehlerterm	44.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
KWS Papageno	7.5 -----	7.5 -----	7.1 -----	7.4 -----	7.6 -----
DKC 3218	7.5 -----	7.5 -----	7.4 -----	7.6 -----	7.3 -----
Emeleen	7.4 -----	7.4 -----	7.1 -----	7.3 -----	7.3 -----
KWS Glasgo	7.4 -----	7.3 -----	7.5 -----	7.3 -----	7.2 -----
Wesley	7.4 -----	7.2 -----	7.6 -----	7.4 -----	7.4 -----
ES Myrdal	7.4 -----	7.2 -----	7.6 -----	7.3 -----	7.4 -----
LG 31210	7.4 -----	7.5 -----	7.1 -----	7.1 -----	7.3 -----
Zinedeen	7.4 -----	7.3 -----	7.2 -----	7.5 -----	7.1 -----
DKC 3359	7.4 -----	7.0 -----	7.3 -----	7.3 -----	7.4 -----
DKC 2956	7.5 -----	7.4 -----	7.5 -----	7.5 -----	7.5 -----
Bakersfield	7.3 -----	7.3 -----	7.1 -----	7.4 -----	7.1 -----
SY Broncos	7.4 -----	7.3 -----	7.4 -----	7.4 -----	7.3 -----
LZM173/72	7.4 -----	7.2 -----	7.3 -----	7.4 -----	7.5 -----
LZM173/46	7.1 -----	7.1 -----	6.6 -----	7.1 -----	7.2 -----
Silvio	7.3 -----	7.0 -----	7.3 -----	7.3 -----	7.3 -----
KXC4101	7.3 -----	7.2 -----	7.2 -----	7.2 -----	7.3 -----
KXC4167	7.4 -----	7.5 -----	7.1 -----	7.1 -----	7.7 -----
SB0934	7.4 -----	7.3 -----	7.2 -----	7.5 -----	7.5 -----
(Symetric)	7.4 -----	7.3 -----	7.4 -----	7.3 -----	7.4 -----
Stribel	7.4 -----	7.3 -----	7.1 -----	7.4 -----	7.3 -----
SB0594	7.3 -----	7.3 -----	7.3 -----	7.1 -----	7.1 -----
Rafting	7.3 -----	7.4 -----	7.3 -----	7.4 -----	7.0 -----
Bajeno	7.5 -----	7.7 -----	7.4 -----	7.3 -----	7.4 -----
LG 31217	7.4 -----	7.4 -----	7.5 -----	7.3 -----	7.3 -----
-Bezugsgrösse(n)	7.5 -----	7.5 -----	7.3 -----	7.5 -----	7.5 -----
Versuchs-Mittel	7.4 -----	7.3 -----	7.3 -----	7.3 -----	7.3 -----
VK [%]	3.7	4.1	4.4	5.0	3.8
KGD (5%)	0.2	ns	ns	ns	ns
KGD (1%)	0.2	ns	ns	ns	ns
Versuchs-Streuung	0.3	0.3	0.3	0.4	0.3
FG Fehlerterm	318.0	44.0	46.0	46.0	46.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3.5	23	2.07 **	1.56	0.0032
Anbauorte	6.7	6	15.04 ***	2.13	0.0000
WW Verf.*Anb.Orte	9.1	138	0.89 ns	1.26	
Fehler	23.7	318			
Insgesamt	43.2	485			

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

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
KWS Papageno	7.7 -----	7.8 -----	7.4 -----
DKC 3218	7.6 -----	7.7 -----	7.5 -----
Emeleen	7.4 ---	7.5 ---	7.6 -----
KWS Glasgo	7.8 -----	7.4 -	7.5 -----
Wesley	7.5 ---	7.6 ----	7.4 -----
ES Myrdal	7.8 -----	7.4 --	7.3 -----
LG 31210	7.6 -----	7.6 -----	7.3 -----
Zinedeen	7.7 -----	7.6 -----	7.4 -----
DKC 3359	7.6 -----	7.8 -----	7.2 -----
DKC 2956	7.8 -----	7.6 -----	7.0 -
Bakersfield	7.5 ----	7.6 -----	7.1 --
SY Broncos	7.5 ----	7.5 ----	7.5 -----
LZM173/72	7.5 ----	7.7 -----	7.6 -----
LZM173/46	7.4 --	7.4 --	7.1 ---
Silvio	7.3 -	7.4 --	7.6 -----
KXC4101	7.5 ----	7.6 -----	7.1 --
KXC4167	7.5 ----	7.7 -----	7.4 -----
SB0934	7.6 -----	7.7 -----	7.3 -----
(Symetric)	7.5 -----	7.4 -	7.3 -----
Stribel	7.5 ---	7.7 -----	7.4 -----
SB0594	7.5 ----	7.5 ---	7.4 -----
Rafting	7.5 ----	7.6 -----	7.1 --
Bajeno	7.8 -----	7.7 -----	7.2 ----
LG 31217	7.7 -----	7.4 --	7.4 -----
-Bezugsgrösse(n)	7.7 -----	7.7 -----	7.5 -----
Versuchs-Mittel	7.6 -----	7.6 -----	7.3 -----
VK [%]	2.5	2.5	2.9
KGD (5%)	ns	ns	0.4
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.2	0.2	0.2
FG Fehlerterm	44.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

4.2 Serie mittelfrüh / Série mi-précoce

4.2.1 Standortangaben / Informations des lieux

			2025	
PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	380	16.05.2025	11.09.2025
1567	Delley	479	15.06.2025	10.09.2025 [∞]
1725	Grangeneuve	654	01.05.2025	17.09.2025
3065	Habstetten	690	09.05.2025	07.10.2025
5643	Alikon	494	02.05.2025	05.09.2025
8046	Reckenholz	440	23.04.2025	29.08.2025
8193	Eglisau	395	09.05.2025	27.08.2025
8566	Ellighausen	503	13.05.2025	19.09.2025

[∞] Ertrags- und Qualitätsdaten von Saatbahn drei nicht für Auswertung berücksichtigt (Phytotox) / Informations liées au rendement et à la qualité du passage de semis n° trois n'ont pas été prises en compte pour les mises en valeur (phytotoxicité).

4.2.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P8086	X80R603	SC	Pioneer	Pioneer, Versoix		SM11/S
KWS Milandro	KXC0326	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/S
Meluseen	LZM170/47	SC	Limagrain, Europe	Fenaco, Moudon		SM11/S
KWS Adorado	KXC0018	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	SM11/S
SY Opale	SA1641	SC	Syngenta, CH	Syngenta, Stein		SM11/S
LG 31251	LZM272/30	SC	Limagrain, Europe	Fenaco, Moudon		SM11/S
Galismo	KXC2321	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/S
P8317	1082A195-01	SC	Pioneer	Pioneer, Versoix		SM11/e3
Farmirella	SG186	TC	SeedGenetic	Samen Steffen, Wikon		SM11/e2
LG 31281	LZM272/34	TC	Limagrain, Europe	Fenaco, Moudon		SM11/e2
LG 31271		TC	Limagrain, Europe	Fenaco, Moudon		SM11/e2
DKC 3464	EY3533	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM11/e2
SU Keldeo	EX3333	SC	Saaten Union	Hauenstein, Rafz		SM11/e2
	1084F587-01	SC	Pioneer	Pioneer, Versoix	KM11/e1	SM11/e1
SY Fleming	SA1342	SC	Syngenta, CH	Syngenta, Stein	KM11/e1	SM11/e2
KWS Sporco	KXC3342	TC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e2
	EZ3342	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM11/e1
	EZ3448	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM11/e1
Menhir	LZM273-49	TC	MAS Seeds	Samen Steffen, Wikon		SM11/e1
	RH24014	SC	RAGT 2n, F	Fenaco, Moudon		SM11/e1
Gandolf		SC	SZG, A	Delley Samen und Pflanzen AG, Delley	KM11/e1	SM11/e1
	KXC4122	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/e1
	1081F781-01	SC	Pioneer	Pioneer, Versoix		SM11/e1
P82000	1081D769-01	SC	Pioneer	Pioneer, Versoix	KM01/e2	SM11/e1
LID1033C	LDZ23118	SC	Lidea, Norderstedt	?		SM11/e1
	SB0874	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
	SB1724	SC	Syngenta, CH	Syngenta, Stein		SM11/e1
LG 32257	LZM270/58	SC	Limagrain, Europe	Fenaco, Moudon	KM11/T	SM11/T
Qualito	KXC0313	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/T
Bajeno	KXC3123	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/T

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

Technische Versuchsausgaben / données techniques / technical information								
Standort / lieu / site:	Nyon (380 m ü.M.)	Delley (500 m ü.M.)	Grangeneuve (654 m ü.M.)	Habstetten (620 m ü.M.)	Allikon (494 m ü.M.)	Reckenholz (384 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503 m ü.M.)
Bodenart / type de sol / soil type:	Limono sableux	Limono sableux	Moyen	Sandiger Lehm, pH 5.5	Schwach humoser Schlufflehm	Parabraunerde	sandiger Lehm bis Lehm	Braunerde
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ sémis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C: Saat - Ernte/ sémis - récolte / seeding - harvest):	387,4 mm (www.humidité des sols.ch station Changins) 1672,0 °C (Agrométéo station Changins) Irrigation : 30.06.2025 : 30 mm 10.07.2025 : 30 mm 12.08.2025 : 30 mm	422,1 mm (selon Agrométéo, station Praz) 1560,1 °C (selon Agrométéo, station Praz, seuil 6°C)	475,7 mm (météo Suisse Posieux) 1578,9 °C (météo Suisse Posieux)	614,1 mm (selon Agrométéo station Zlati) 1560,2 °C (selon Agrométéo station Zlati)	487,7 mm (Agrométéo Höhenrain) 1578,6 °C (Agrométéo Höhenrain)	472,5 mm (Meteostation Reckenholz) 1593,6 °C (Meteostation Reckenholz)	303,9 mm (Agrométéo Steinmaur) 1422,7 °C (Agrométéo Steinmaur)	449,9 mm (Agrométéo Ellighausen) 1574,3 °C (Agrométéo 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 1.33m Weg (20 m ² brutto), 10m ² netto	Semé: 17 m ² par parcelle (brut, avec chemin d'environ 1.1 m), 14.4 m ² net, 4 rangs Récolté: 8.5 m ² par parcelle (brut, avec chemin), 7.2 m ² net, 2 rangs au milieu	4reihig, mit 1.33m Weg (20 m ² brutto), 10 m ² netto	4reihig, mit 1.33m Weg (20 m ² brutto), 10m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m ² netto
Vorfrucht / précédent cultural / previous crop:	Luzerne	Sommerweizen / ZF: Senf // Blé de printemps / EV: Moutarde	Prairie temporaire / Kunstwiese / temporary grassland	orge	Luzerne	Sommerweizen	Prairie temporaire / Kunstwiese / temporary grassland	Raps, Gründüngung: Steffen Terra Green Frigo
Bodenbearbeitung / travail du sol / soil cultivation:	labour 10.03.2025 - vibroculteur 30.04.2025 herse rotative 15.05.2025	03.03.25 Labour, 15.05.25 Herse rotative	Labour le 30.04.2025. Préparation pour semis, herse rotative 01.05.2025	Pflug und Kreisellege / charrue et herse rotative / plough and rotary/harrow 01.04 et 01.05.2025	01.05.2025 Streifenfrässaat	14.01.25 Mulcher, 03.04.25 Pflug, 08.04.25 Kreisellege, 22.04.25 Kreisellege	07.05.25 Pflug, 08.05.25 Kreisellege	03.04.25 Gründüngung Mulchen, 04.04.25 Pflügen, 04.04.25 Weizen gegen Ausbreitung Saatbet
Saat / date de sémis / sowing date:	16.05.2025 (jour 136)	16.05.25 (SM11)	01.05.2025 (jour 121)	09.05.2025 (jour 129)	02.05.2025	23.04.2025	09.05.2025	13.05.2025
Ernte / date de récolte / harvest date:	11.09.2025 (jour 254)	10.09.25 (SM11)	12.09.2025 jour 255 (SM01), 17.09.2025 jour 260 (SM11)	02.10.2025 SM01 (jour 279) 07.10.2025 SM11 (jour 280) 09.10.2025 SM21 (jour 282)	04.09.25 (SM01, SM11)	29.08.25 (SM01, SM11), 12.09.25 (SM2), 29.09.25 (SM31)	27.08.25 (SM01, SM11), nicht geerntet (SM21)	19.09.25 (SM01, SM11), 02.10.25 (SM21)
Saadichte / densité de sémis / sowing density:	10.0 Körner / grains pro m ²	10.9 Körner / grains pro m ² , éclairci à 10.0 plantes pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²	10.0 Körner / grains pro m ²
Vegetationsdauer / durée de végétation / growing period	118 Tage / jours / days	117 jours	139 Tage / jours / days	151 Tage / jours / days	125 Tage / jours / days	128 Tage / jours / days	110 Tage / jours / days	129 Tage / jours / days
Reihenabstand / inter-rangues / 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:	-	-	-	-	-	11.06.25 Hacken kombiniert mit Düngerausbringung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	12.06.2025 : Equip Power 1.25 l / Spectrum 1 l/ha	21.06.25: 1.5 l/ha Equip Power + 1.0 l/ha Spektrum	31.05.2025, Equip Power: 1.714 l/ha	31.05.2025 Callisto 1 l / ha Equip Power 1.2 l / ha	14.05.25: 1.5 l/ha Equip Power und 0.25 l/ha Spectrum (in 2x gespritzt, dann weniger Stress für Maispflanzen)	12.05.25: 2 kg/ha Metarex Inov, 16.05.25: 3 l/ha Pendimethalin SA 400 SC + 1.4 l/ha Spectrum, 30.05.25: 0.2 kg/ha Arat + 2 l/ha Laudis + 1 l/ha Dash	31.05.25: 2 l/ha Stomp Aqua BASF W-6800 + 1.4 l/ha Spectrum BASF W-6075 + 1.5 l/ha Laudis W-6653	31.05.25: 1.2 l/ha Equip Power + 0.5 l/ha Callisto + 1.2 l/ha Spectrum + 2 l/ha Megalol
Grunddüngung / fumure de base / basic fertilisation:	-	04.03.25: 264 kg/ha Landor 0.20.30 (0 / 53 / 79 kg N/P/K/ha)	19.03.2025: 38.4 m ³ /ha Isler bovins 5-10-20: 19 kg N, 39 kg P2O5, 78 kg K2O 30.04.2025: 50 m ³ /ha Isler bovins 5-10-20: 25 kg N, 50 kg P2O5, 100 kg K2O	28.03.25 : Granuphos 18 %: 300 kg/ha = 54 kg P/ha, Kali 60 %: 200 kg/ha = 120 kg K/ha	03.05.25: 28 m ³ /ha Schweinegülle verdünnt, 24.05.25 30 m ³ /ha Schwg. v.	20.01.25: 355 kg/ha Patentkali 30+6Mg (88.4 kg K/ha)	45 kg/ha PK Dünger Landor 20.10.10 (91 / 138 kg P/K/ha)	04.04.25: 38 m ³ /ha Rindergülle (38 / 38 / 140.6 / 11.4 kg N/P/K/ha) + 7 l/ha Stappelmist (6.3 / 16.8 / 54.6 / 4.2 N/P/K/ha)
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 222 kg/ha Nitrate d'ammoniaque 27.0.0 : 60 N 28.05.2025 : 110 kg/ha Urée perliée 46 % : 51 N	15.05.25: 500 kg/ha Sulfamid (150 N/ha, 15 Mg/ha)	Nitrotec 26 % 342.4 kg / ha 89 kg N	19.05.25: 171 kg/ha ammonitrate 27.5 % : 47 kg N/ha : 06.06.25 : 160 kg/ha Hamstoff 46 % : 74 kg N/ha	06.06.25: 92 kg/ha Hamstoff 46% (42kg N/ha)	20.05.25: 210 kg/ha Mg-Ammonsalpeter 24%+S (50kg N/ha), 11.06.25: 175 kg/ha Hamstoff 46% (81kg N/ha)	14.05.24: 227 kg Hamstoff 46% (105kg N/ha)	11.05.25: 150 kg/ha Hamstoff 46% (69kg N/ha), 04.06.25: 180 kg/ha Hamstoff 46% (82kg N/ha)
N-Mineralisierung / début de la saison / N minéralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-	-
Ernte / Récolte / harvest:	Baural Maishäcksler / ensileuse expérimentale	Ensileuse expérimentale	Baural Maishäcksler / ensileuse expérimentale	Baural Maishäcksler / ensileuse expérimentale	-	-	-	-
New Holland Versuchsmäshäcksler / ensileuse expérimentale								

4.2.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
LG 31281	e2	-0.82	3.90	0.29	0.23	0.00	0.00	0.39	0.76	3.08	1.67	4.75
EZ3342	e1	-2.49	2.76	0.36	0.03	0.00	1.17	1.17	1.04	0.27	3.77	4.04
SU Keldeo	e2	0.94	0.39	0.15	-0.04	-0.02	0.39	-0.39	1.16	1.33	1.25	2.58
Bajeno	T	-3.30	-6.27	3.54	-0.17	0.00	4.30	3.12	0.84	-9.57	11.63	2.06
1084F587-01	e1	-0.87	2.64	-0.23	-0.27	0.00	-0.83	0.00	1.15	1.77	-0.18	1.59
DKC 3464	e2	-0.73	1.40	-0.79	-0.15	0.00	0.78	0.39	0.56	0.67	0.79	1.46
KXC4122	e1	-1.75	1.01	-0.63	-0.13	0.00	0.78	1.17	0.65	-0.74	1.84	1.10
Galismo	S	0.30	0.03	-0.21	0.02	0.00	1.17	0.00	-1.26	0.33	-0.28	0.05
Meluseen	S	-0.30	-0.03	0.21	-0.02	0.00	-1.17	0.00	1.26	-0.33	0.28	-0.05
KWS Sporco	e2	0.09	0.22	-1.45	-0.11	0.00	-0.39	0.39	0.54	0.31	-1.02	-0.71
SB1724	e1	-2.92	4.56	-0.56	0.16	-0.05	-2.05	-1.17	1.29	1.64	-2.38	-0.74
Menhir	e1	-4.18	0.98	0.17	0.06	0.00	1.17	0.00	0.78	-3.20	2.18	-1.02
EZ3448	e1	-1.49	-1.73	1.01	-0.31	0.00	-0.78	0.39	1.11	-3.22	1.42	-1.80
KWS Adorado	S	0.77	-3.72	2.50	0.04	-0.03	-1.22	-1.95	1.15	-2.95	0.49	-2.46
SY Fleming	e2	-1.51	-0.23	-1.65	0.19	0.00	-0.78	0.39	1.07	-1.74	-0.78	-2.52
LG 31251	S	-1.29	-0.69	1.33	0.21	0.00	-1.61	-1.56	0.74	-1.98	-0.89	-2.87
RH24014	e1	-3.00	0.38	-0.17	0.06	0.00	-0.78	-0.39	0.27	-2.62	-1.01	-3.63
LID1033C	e1	-5.47	-3.44	-1.12	-0.21	-0.02	2.68	2.73	1.17	-8.91	5.23	-3.68
Qualito	T	-3.28	-4.29	-0.03	-0.09	0.00	1.95	1.56	-0.11	-7.57	3.28	-4.29
LG 31271	e2	-4.35	4.01	-2.89	-0.15	0.00	-1.67	-0.39	0.88	-0.34	-4.22	-4.56
KWS Milandro	S	-4.21	-4.92	1.62	-0.32	-0.03	0.00	1.56	0.32	-9.13	3.15	-5.98
SB0874	e1	-3.33	0.37	-1.21	0.17	0.00	-1.72	-1.56	0.92	-2.96	-3.40	-6.36
P8317	e3	-4.60	-4.33	-2.98	-0.65	-0.04	2.34	2.73	0.30	-8.93	1.70	-7.23
Farmirella	e2	1.06	-5.91	-2.33	0.35	0.00	-1.56	0.00	0.52	-4.85	-3.02	-7.87
P8086	S	-0.78	-3.74	-0.22	-0.33	0.00	-1.95	-1.17	0.31	-4.52	-3.36	-7.88
P82000	e1	-3.20	-3.87	0.91	-0.41	-0.05	-1.95	-1.17	1.35	-7.07	-1.32	-8.39
LG 32257	T	-1.82	-4.57	0.57	0.06	0.00	-1.17	-3.13	1.19	-6.39	-2.48	-8.87
Gandolf	e1	1.10	-5.71	-1.48	-0.07	-0.02	-2.34	-1.56	0.85	-4.61	-4.62	-9.23
1081F781-01	e1	-4.53	-4.61	-0.33	-0.29	0.00	-1.17	-0.78	1.23	-9.14	-1.34	-10.48
SY Opale	S	-2.48	-4.51	-2.42	-0.12	0.00	-1.95	-2.73	-1.22	-6.99	-8.44	-15.43
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anz. Beob.		24	24	24	24	3	6	3	21			
Anz. Orte		8	8	8	8	1	2	1	7			
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25			

4.2.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager Veg. %	Wurzel- lager Ernte %	Stängel- bruch Ernte %
P8086	4.2	73.9	73.0	263.3	115.7	44.0	0.0	43.8	58.3
KWS Milandro	4.2	72.0	71.9	243.0	115.0	49.4	1.1	33.3	29.2
Meluseen	3.6	72.3	71.7	267.3	118.0	44.3	0.0	39.6	45.8
KWS Adorado	3.5	71.7	70.4	258.3	120.3	46.5	1.1	39.9	66.7
SY Opale	3.8	73.7	72.4	262.7	115.7	44.0	0.0	43.8	75.0
LG 31251	3.1	71.9	70.7	258.7	130.3	50.3	0.0	41.9	62.5
Galismo	3.5	72.6	71.3	263.0	127.3	48.5	0.0	27.1	45.8
P8317	4.8	74.5	73.9	268.7	122.0	45.4	1.1	20.8	16.7
Farmirella	2.8	72.7	71.5	250.3	124.3	49.7	0.0	41.7	45.8
LG 31281	3.1	72.9	71.7	268.3	135.7	50.4	0.0	33.3	41.7
LG 31271	3.8	74.7	73.4	266.7	129.3	48.4	0.0	42.2	50.0
DKC 3464	3.8	74.0	74.8	277.3	126.7	45.7	0.0	29.2	41.7
SU Keldeo	3.6	73.9	74.0	266.3	118.3	44.5	0.5	31.3	50.0
1084F587-01	4.1	75.7	75.5	269.3	127.7	47.4	0.0	37.8	45.8
SY Fleming	3.2	73.7	72.5	267.3	117.7	44.2	0.0	37.5	41.7
KWS Sporco	3.8	74.3	73.3	269.7	126.0	46.8	0.0	35.4	41.7
EZ3342	3.5	74.5	74.4	267.3	128.7	48.0	0.0	27.1	33.3
EZ3448	4.2	73.9	73.1	264.3	119.0	45.0	0.0	37.5	41.7
Menhir	3.4	73.1	72.3	275.0	130.7	47.5	0.0	27.1	45.8
RH24014	3.4	72.9	71.4	272.0	118.0	43.4	0.0	37.5	50.0
Gandolf	3.7	73.2	72.3	245.0	127.9	52.6	0.5	45.8	62.5
KXC4122	3.8	74.1	73.2	272.0	125.0	46.0	0.0	29.2	33.3
1081F781-01	4.1	74.5	73.9	266.7	118.3	44.5	0.0	39.6	54.2
P82000	4.4	74.2	74.1	256.0	122.3	47.8	1.6	43.8	58.3
LID1033C	4.0	76.2	75.6	264.7	133.3	50.4	0.6	19.0	16.7
SB0874	3.2	73.4	72.3	276.3	123.7	44.8	0.0	42.5	62.5
SB1724	3.2	75.0	73.7	287.0	137.7	48.0	1.7	44.3	58.3
LG 32257	3.4	72.3	71.5	259.7	119.0	45.8	0.0	39.6	79.2
Qualito	3.7	72.3	70.9	261.3	118.0	45.2	0.0	22.9	29.2
Bajeno	3.9	71.9	71.5	249.0	115.3	46.5	0.0	10.4	12.5
Bezugsgrösse(n)	3.5	72.5	71.5	265.2	122.7	46.4	0.0	33.3	45.8
Versuchs-Mittel	3.7	73.5	72.7	264.6	123.6	46.8	0.3	34.8	46.5
VK [%]	26.0	1.5	1.7	5.0	7.3	9.0	347.4	29.8	45.4
KGD (5%)	0.5	0.8	0.9	9.5	6.5	3.0		11.9	34.6
KGD (1%)	0.7	1.1	1.2	12.6	8.6	4.0		15.7	
Versuchs-Streuung	1.0	1.1	1.2	13.3	9.0	4.2	1.0	10.4	21.1
FG Fehlerterm	437.0	282.0	282.0	284.0	286.0	288.0	58.0	112.0	56.0
Anz. Beob.	24.0	15.0	15.0	15.0	15.0	15.0	3.0	6.0	3.0
Anz. Orte	8.0	5.0	5.0	5.0	5.0	5.0	1.0	2.0	1.0
Minimum	2.8	71.7	70.4	243.0	115.0	43.4	0.0	10.4	12.5
Maximum	4.8	76.2	75.6	287.0	137.7	52.6	1.7	45.8	79.2

Sorten Bezeich- nung	Beulen- brand %	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS
P8086	5.2	8.6	611.2	215.8	35.4	162.8	87.1	756.1
KWS Milandro	5.2	9.0	583.7	213.5	36.9	159.5	85.3	747.5
Meluseen	0.9	9.0	626.0	223.2	35.8	168.9	90.7	757.2
KWS Adorado	1.4	8.9	581.4	215.9	37.6	164.0	89.2	759.9
SY Opale	12.2	8.7	640.5	214.3	33.7	160.9	86.1	751.8
LG 31251	3.3	8.9	611.7	221.9	36.7	167.5	90.4	754.8
Galismo	12.4	9.1	632.5	223.4	35.4	169.5	93.3	758.7
P8317	5.3	8.4	648.2	214.6	33.2	160.1	85.6	746.5
Farmirella	4.3	8.9	630.2	211.5	33.7	160.7	86.1	760.7
LG 31281	3.2	9.0	648.4	231.1	35.8	174.6	94.1	755.9
LG 31271	2.6	8.9	698.7	231.3	33.3	172.9	90.8	747.1
DKC 3464	4.1	8.8	649.7	226.1	35.0	170.9	91.8	756.2
SU Keldeo	1.3	8.8	628.5	224.1	35.7	170.5	92.5	760.4
1084F587-01	1.4	8.8	648.1	228.6	35.4	172.5	92.1	755.8
SY Fleming	1.8	9.0	651.8	222.9	34.3	167.9	91.0	754.2
KWS Sporco	4.2	9.0	654.1	223.8	34.5	169.6	93.2	758.2
EZ3342	1.9	8.9	639.7	228.8	35.9	171.8	93.7	751.8
EZ3448	1.6	8.9	607.7	219.9	36.4	165.8	90.1	754.3
Menhir	3.1	9.0	633.9	225.3	35.7	168.3	90.1	747.6
RH24014	5.4	8.6	633.3	224.1	35.5	168.0	91.5	750.5
Gandolf	2.8	9.0	620.3	211.9	34.4	161.2	87.9	760.8
KXC4122	3.7	9.1	645.5	225.3	35.1	169.9	93.4	753.6
1081F781-01	1.0	8.9	610.2	214.1	35.3	159.5	84.4	746.7
P82000	0.5	8.7	597.8	215.6	36.3	161.3	85.3	750.0
LID1033C	1.3	9.0	627.4	216.4	34.7	160.9	85.3	744.3
SB0874	2.4	9.1	646.9	224.1	34.6	168.0	88.2	749.7
SB1724	0.7	9.0	664.2	232.4	35.2	174.4	94.8	750.7
LG 32257	1.2	8.8	597.3	214.2	36.1	161.2	87.7	753.5
Qualito	7.2	9.1	605.5	214.7	35.6	160.9	86.1	749.8
Bajeno	2.8	9.1	553.8	210.8	38.4	157.8	85.4	749.8
Bezugsgrösse(n)	6.6	9.0	629.2	223.3	35.6	169.2	92.0	758.0
Versuchs-Mittel	3.5	8.9	627.6	220.6	35.4	166.1	89.4	753.1
VK [%]	135.1	4.6	9.6	9.2	5.6	9.4	14.7	3.4
KGD (5%)	2.8	0.2	34.3	11.5	1.1	8.9		
KGD (1%)	3.8	0.3	45.1	15.1	1.5	11.7		
Versuchs-Streuung	4.7	0.4	60.4	20.2	2.0	15.7	13.1	25.5
FG Fehlerterm	400.0	458.0	439.0	439.0	435.0	441.0	441.0	439.0
Anz. Beob.	21.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Anz. Orte	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Minimum	0.5	8.4	553.8	210.8	33.2	157.8	84.4	744.3
Maximum	12.4	9.1	698.7	232.4	38.4	174.6	94.8	760.8

Sorten Bezeich- nung	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprot. Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS	Aschen Gehalt NIR g/kg TS
P8086	402.8	170.6	386.5	198.8	19.3	79.0	7.0	7.3	31.6
KWS Milandro	398.0	175.6	394.0	205.5	19.8	75.8	6.9	7.2	31.1
Meluseen	405.1	174.6	386.8	202.9	19.4	74.2	7.0	7.4	30.3
KWS Adorado	412.8	172.7	381.2	200.4	19.5	75.9	7.0	7.4	30.4
SY Opale	401.3	174.9	391.5	203.2	19.6	76.6	6.9	7.3	31.4
LG 31251	406.3	175.3	386.8	204.1	19.2	74.5	7.0	7.3	30.6
Galismo	414.8	172.5	382.4	200.1	19.2	76.4	7.0	7.4	30.8
P8317	396.6	177.0	395.3	206.9	20.3	76.2	6.9	7.2	31.5
Farmirella	405.2	171.1	381.5	198.9	19.1	79.1	7.0	7.4	31.5
LG 31281	405.3	172.5	384.6	202.0	19.5	75.2	7.0	7.3	30.5
LG 31271	391.0	174.6	394.7	204.3	20.0	75.8	6.9	7.2	31.4
DKC 3464	403.8	171.0	387.3	198.7	19.0	76.8	7.0	7.3	31.2
SU Keldeo	410.2	169.4	384.0	196.3	18.8	75.5	7.0	7.4	30.5
1084F587-01	401.1	172.4	387.4	201.1	19.6	76.7	7.0	7.3	31.2
SY Fleming	406.5	171.7	391.2	200.3	19.9	75.7	7.0	7.3	30.9
KWS Sporco	415.3	167.5	381.7	195.3	19.1	76.7	7.0	7.4	30.5
EZ3342	408.4	174.8	391.3	202.5	19.7	75.2	6.9	7.3	31.0
EZ3448	407.9	172.8	389.6	202.5	19.4	75.0	7.0	7.3	31.1
Menhir	397.5	173.4	392.5	203.6	20.1	76.9	6.9	7.2	31.5
RH24014	407.3	174.7	391.8	203.2	19.5	75.3	6.9	7.3	31.0
Gandolf	412.5	168.9	380.1	195.9	18.7	78.3	7.0	7.4	31.1
KXC4122	411.2	172.7	384.8	201.4	19.8	76.4	7.0	7.3	31.0
1081F781-01	393.2	178.9	395.1	207.4	20.3	76.2	6.9	7.2	31.5
P82000	393.6	179.6	392.8	207.5	20.2	76.6	6.9	7.3	31.7
LID1033C	391.3	181.5	398.3	210.2	20.7	75.7	6.9	7.2	31.7
SB0874	390.9	177.0	393.7	206.5	20.2	76.0	6.9	7.3	31.8
SB1724	406.3	174.7	389.3	204.4	20.4	75.9	6.9	7.3	31.0
LG 32257	407.6	175.3	388.7	203.2	19.8	75.3	7.0	7.3	31.0
Qualito	399.5	175.1	390.9	204.5	20.2	75.9	6.9	7.3	31.3
Bajeno	404.7	173.6	388.9	203.1	20.2	75.4	6.9	7.2	30.7
Bezugsgrösse(n)	409.9	173.5	384.6	201.5	19.3	75.3	7.0	7.4	30.6
Versuchs-Mittel	403.6	173.9	388.8	202.5	19.7	76.1	7.0	7.3	31.1
VK [%]	11.3	7.8	6.2	8.8	13.7	5.9	4.2	5.2	7.4
KGD (5%)						2.5			
KGD (1%)									
Versuchs-Streuung	45.7	13.6	24.2	17.8	2.7	4.5	0.3	0.4	2.3
FG Fehlerterm	443.0	441.0	441.0	441.0	443.0	439.0	439.0	439.0	441.0
Anz. Beob.	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Anz. Orte	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Minimum	390.9	167.5	380.1	195.3	18.7	74.2	6.9	7.2	30.3
Maximum	415.3	181.5	398.3	210.2	20.7	79.1	7.0	7.4	31.8

4.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	4.2 -----	5.0 -----	5.0 -----	6.0 -----	5.3 -----
KWS Milandro	4.2 -----	5.3 -----	5.5 -----	5.3 -----	5.3 -----
Meluseen	3.6 ----	4.7 -----	3.7 ----	5.0 -----	4.7 -----
KWS Adorado	3.5 ----	4.3 ---	3.7 ----	4.7 ---	5.0 -----
SY Opale	3.8 -----	4.7 -----	4.5 -----	5.0 -----	5.0 -----
LG 31251	3.1 --	4.0 -	3.3 ----	4.0 -	5.0 -----
Galismo	3.5 ----	5.3 -----	4.0 -----	4.3 --	5.0 -----
P8317	4.8 -----	5.0 -----	5.3 -----	6.3 -----	5.0 -----
Farmirella	2.8 -	4.3 ---	2.0 -	4.0 -	4.0 -
LG 31281	3.1 --	4.0 -	3.7 ----	4.3 --	4.0 -
LG 31271	3.8 -----	5.0 -----	5.0 -----	5.3 -----	5.0 -----
DKC 3464	3.8 -----	4.0 -	4.3 -----	4.7 ---	4.3 ---
SU Keldeo	3.6 -----	5.0 -----	4.0 -----	5.0 -----	5.0 -----
1084F587-01	4.1 -----	4.7 -----	4.7 -----	5.0 -----	5.0 -----
SY Fleming	3.2 --	4.0 -	3.0 ---	4.0 -	4.7 -----
KWS Sporco	3.8 -----	5.3 -----	4.7 -----	4.7 ---	5.0 -----
EZ3342	3.5 ----	4.3 ---	3.5 ----	5.0 -----	4.3 ---
EZ3448	4.2 -----	5.3 -----	5.0 -----	5.0 -----	5.0 -----
Menhir	3.4 ----	4.0 -	4.0 -----	4.0 -	4.0 -
RH24014	3.4 ----	4.3 ---	4.0 -----	5.0 -----	4.7 -----
Gandolf	3.7 -----	4.7 -----	4.5 -----	4.3 --	4.7 -----
KXC4122	3.8 -----	5.0 -----	4.0 -----	5.3 -----	5.0 -----
1081F781-01	4.1 -----	5.0 -----	4.3 -----	5.0 -----	5.3 -----
P82000	4.4 -----	5.3 -----	4.5 -----	5.3 -----	5.0 -----
LID1033C	4.0 -----	5.0 -----	4.3 -----	5.7 -----	5.0 -----
SB0874	3.2 --	4.0 -	4.0 -----	4.0 -	4.0 -
SB1724	3.2 ---	4.0 -	3.5 ----	4.3 --	5.0 -----
LG 32257	3.4 ----	4.0 -	3.0 ---	5.3 -----	5.0 -----
Qualito	3.7 -----	5.0 -----	4.5 -----	5.0 -----	5.0 -----
Bajeno	3.9 -----	4.0 -	4.7 -----	6.0 -----	5.0 -----
-Bezugsgrösse(n)	3.5 ----	5.0 -----	3.8 -----	4.7 ---	4.8 -----
Versuchs-Mittel	3.7 -----	4.6 -----	4.1 -----	4.9 ----	4.8 -----
VK [%]	26.0	10.1	60.0	10.7	7.5
KGD (5%)	0.5	0.8	ns	0.9	0.6
KGD (1%)	0.7	1.0	ns	1.1	0.8
Versuchs-Streuung	1.0	0.5	2.5	0.5	0.4
FG Fehlerterm	437.0	56.0	43.0	56.0	58.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	132.4	29	4.94 ***	1.49	0.0000
Anbauorte	681.9	7	105.45 ***	2.03	0.0000
WW Verf.*Anb.Orte	130.8	203	0.70 ns	1.21	
Fehler	403.7	437			
Insgesamt	1348.9	676			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	3.7 -----	3.0 -----	2.0 ----	3.7 -----
KWS Milandro	3.0 ----	2.7 ----	2.0 ----	4.3 -----
Meluseen	2.3 ---	3.0 -----	2.7 -----	2.7 ----
KWS Adorado	2.3 ---	2.0 --	2.3 -----	3.3 -----
SY Opale	2.7 ----	3.0 -----	2.3 -----	3.0 -----
LG 31251	2.3 ---	1.7 -	2.0 ----	2.7 ----
Galismo	1.7 -	1.7 -	2.7 -----	3.3 -----
P8317	4.7 -----	4.3 -----	3.3 -----	4.7 -----
Farmirella	3.0 ----	1.7 -	2.0 ----	1.7 -
LG 31281	2.0 --	2.3 ---	1.3 -	3.0 -----
LG 31271	3.0 ----	2.7 ----	2.0 ----	2.7 ----
DKC 3464	3.0 ----	3.3 -----	3.3 -----	3.7 -----
SU Keldeo	2.3 ---	2.3 ---	2.0 ----	3.3 -----
1084F587-01	3.7 -----	3.7 -----	2.7 -----	3.3 -----
SY Fleming	3.3 -----	2.3 ---	1.7 --	2.3 ---
KWS Sporco	2.3 ---	3.0 -----	2.0 ----	3.0 -----
EZ3342	2.0 --	2.7 ----	2.7 -----	3.3 -----
EZ3448	3.0 ----	4.0 -----	2.3 ----	3.7 -----
Menhir	2.7 ----	2.0 --	2.7 -----	4.0 -----
RH24014	1.7 -	2.7 ----	2.0 ----	3.0 -----
Gandolf	3.0 ----	2.3 ---	2.7 -----	3.3 -----
KXC4122	2.7 ----	2.3 ---	2.3 -----	3.7 -----
1081F781-01	3.0 ----	2.7 ----	3.3 -----	4.3 -----
P82000	4.0 -----	3.7 -----	3.3 -----	3.7 -----
LID1033C	2.7 ----	3.0 -----	2.7 -----	3.3 -----
SB0874	2.7 ----	2.3 ---	2.0 ----	2.7 ----
SB1724	3.0 ----	2.0 --	1.7 --	2.3 ---
LG 32257	2.3 ---	2.7 ----	2.7 -----	2.3 ---
Qualito	2.7 ----	2.0 --	2.7 -----	3.0 -----
Bajeno	3.3 -----	3.7 -----	1.7 --	2.7 ----
-Bezugsgrösse(n)	2.0 --	2.3 ---	2.7 -----	3.0 -----
Versuchs-Mittel	2.8 ----	2.7 ----	2.4 -----	3.2 -----
VK [%]	24.0	25.0	28.9	20.2
KGD (5%)	1.1	1.1	1.1	1.1
KGD (1%)	1.5	1.5	ns	1.4
Versuchs-Streuung	0.7	0.7	0.7	0.6
FG Fehlerterm	56.0	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8086	73.9 -----	62.3 ----	76.7 -----	79.3 -----	81.7 -----
KWS Milandro	72.0 -	60.3 -	74.7 ---	76.7 --	78.7 ---
Meluseen	72.3 --	61.0 --	75.3 ----	75.7 -	80.3 -----
KWS Adorado	71.7 -	60.7 --	74.0 -	77.3 ---	77.0 -
SY Opale	73.7 ----	62.0 ----	75.0 ---	78.3 ----	82.0 -----
LG 31251	71.9 -	61.0 --	73.7 -	77.7 ----	78.7 ---
Galismo	72.6 ---	62.0 ----	74.7 ---	77.3 ---	79.0 ----
P8317	74.5 -----	62.3 ----	77.0 -----	78.7 ----	83.0 -----
Farmirella	72.7 ---	60.7 --	75.7 ----	78.0 ----	80.7 ----
LG 31281	72.9 ---	60.3 -	74.3 --	77.0 ---	81.3 -----
LG 31271	74.7 -----	62.7 -----	76.0 -----	80.7 -----	82.7 -----
DKC 3464	74.0 -----	61.3 ---	75.7 ----	80.3 -----	82.0 -----
SU Keldeo	73.9 ----	63.0 -----	74.7 ---	78.7 ----	81.7 ----
1084F587-01	75.7 -----	63.0 -----	76.7 -----	82.3 -----	83.7 -----
SY Fleming	73.7 ----	62.0 ----	75.3 ----	78.3 ----	81.7 ----
KWS Sporco	74.3 ----	63.7 -----	75.7 ----	79.3 ----	81.0 ----
EZ3342	74.5 -----	62.0 ----	76.0 -----	80.3 -----	83.7 -----
EZ3448	73.9 ----	62.0 ----	75.0 ---	79.0 ----	83.0 -----
Menhir	73.1 ----	61.0 --	74.0 -	77.7 ----	81.0 ----
RH24014	72.9 ---	62.3 ----	75.7 ----	77.0 ---	78.3 ---
Gandolf	73.2 ----	60.7 --	74.7 ---	78.0 ----	82.0 -----
KXC4122	74.1 -----	63.7 -----	75.7 ----	78.3 ----	80.7 ----
1081F781-01	74.5 -----	62.7 -----	75.7 ----	81.3 -----	81.0 ----
P82000	74.2 -----	62.0 ----	75.7 ----	78.3 ----	83.0 -----
LID1033C	76.2 -----	65.3 -----	78.3 -----	80.7 -----	83.3 -----
SB0874	73.4 ----	62.3 ----	74.7 ---	77.7 ----	81.7 ----
SB1724	75.0 -----	61.0 --	76.7 -----	81.3 -----	83.7 -----
LG 32257	72.3 --	61.0 --	74.0 -	77.0 ---	81.0 ----
Qualito	72.3 --	61.0 --	75.0 ---	76.7 --	78.7 ---
Bajeno	71.9 -	60.0 -	74.7 ---	77.7 ----	79.7 ----
-Bezugsgrösse(n)	72.5 --	61.5 ---	75.0 ---	76.5 --	79.7 ----
Versuchs-Mittel	73.5 -----	61.8 ----	75.4 ----	78.6 -----	81.2 -----
VK [%]	1.5	1.2	1.0	2.1	1.1
KGD (5%)	0.8	1.2	1.3	2.7	1.4
KGD (1%)	1.1	1.7	1.7	3.6	1.9
Versuchs-Streuung	1.1	0.8	0.8	1.7	0.9
FG Fehlerterm	282.0	56.0	58.0	56.0	56.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	573.3	29	15.73 ***	1.51	0.0000
Anbauorte	20840.3	4	4144.15 ***	2.41	0.0000
WW Verf.*Anb.Orte	302.3	116	2.07 ***	1.28	0.0004
Fehler	354.5	282			
Insgesamt	22070.4	431			

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

Verfahren	8566	
	Ellighausen TG	
P8086	69.7	----
KWS Milandro	69.7	----
Meluseen	69.3	----
KWS Adorado	69.3	----
SY Opale	71.0	-----
LG 31251	68.7	--
Galismo	70.0	-----
P8317	71.7	-----
Farmirella	68.7	--
LG 31281	71.3	-----
LG 31271	71.3	-----
DKC 3464	70.7	-----
SU Keldeo	71.3	-----
1084F587-01	72.7	-----
SY Fleming	71.3	-----
KWS Sporco	72.0	-----
EZ3342	70.7	-----
EZ3448	70.3	-----
Menhir	71.7	-----
RH24014	71.0	-----
Gandolf	70.7	-----
KXC4122	72.3	-----
1081F781-01	72.0	-----
P82000	72.0	-----
LID1033C	73.3	-----
SB0874	70.7	-----
SB1724	72.3	-----
LG 32257	68.7	--
Qualito	70.3	-----
Bajeno	67.7	-
-Bezugsgrösse(n)	69.7	----
Versuchs-Mittel	70.7	-----
VK [%]	1.8	
KGD (5%)	2.1	
KGD (1%)	2.7	
Versuchs-Streuung	1.3	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8086	73.0 -----	60.3 ----	74.7 -----	77.7 -----	82.3 -----
KWS Milandro	71.9 ----	60.0 ----	73.0 --	75.3 ---	80.3 ----
Meluseen	71.7 ---	59.7 ---	73.7 ----	73.7 -	81.7 -----
KWS Adorado	70.4 -	59.0 --	72.3 -	75.3 ---	76.7 -
SY Opale	72.4 ----	60.0 ----	73.3 ---	76.3 ----	81.0 -----
LG 31251	70.7 -	58.7 -	72.7 -	75.7 ---	78.7 ---
Galismo	71.3 --	60.0 ----	73.3 ---	75.7 ---	78.7 ---
P8317	73.9 -----	60.7 -----	75.0 -----	77.0 -----	83.7 -----
Farmirella	71.5 ---	58.7 -	74.0 ----	76.0 ----	80.3 ----
LG 31281	71.7 ---	58.7 -	73.0 --	75.7 ---	81.0 -----
LG 31271	73.4 -----	61.7 -----	74.3 -----	78.7 -----	81.7 -----
DKC 3464	74.8 -----	61.3 -----	75.0 -----	80.3 -----	84.7 -----
SU Keldeo	74.0 -----	64.0 -----	75.0 -----	77.0 -----	82.7 -----
1084F587-01	75.5 -----	63.0 -----	75.0 -----	80.7 -----	84.7 -----
SY Fleming	72.5 ----	60.0 ----	73.3 ---	76.3 ---	81.7 -----
KWS Sporco	73.3 ----	62.3 -----	74.0 ----	77.3 -----	81.3 ----
EZ3342	74.4 -----	63.0 -----	74.0 ----	79.3 -----	84.7 -----
EZ3448	73.1 ----	60.7 ----	73.3 ---	77.0 ----	83.7 -----
Menhir	72.3 ----	60.0 ----	72.3 -	75.7 ---	81.3 ----
RH24014	71.4 ---	60.7 ----	74.0 ----	75.0 ---	77.0 -
Gandolf	72.3 ----	59.0 --	73.0 --	76.7 ----	82.0 -----
KXC4122	73.2 ----	62.0 -----	73.7 ----	76.7 ----	81.0 ----
1081F781-01	73.9 -----	61.0 ----	74.0 ----	79.3 -----	82.3 -----
P82000	74.1 -----	62.0 -----	73.7 ---	77.7 -----	84.3 -----
LID1033C	75.6 -----	64.0 -----	76.7 -----	79.0 -----	84.3 -----
SB0874	72.3 ----	60.7 ----	73.7 ----	75.7 ---	81.7 -----
SB1724	73.7 -----	59.0 --	74.7 -----	79.3 -----	83.0 -----
LG 32257	71.5 ---	59.3 --	72.7 -	75.0 ---	81.3 ----
Qualito	70.9 --	59.0 --	73.0 --	75.0 ---	78.0 --
Bajeno	71.5 ---	58.3 -	73.3 ---	76.3 ----	81.7 -----
-Bezugsgrösse(n)	71.5 ---	59.8 ---	73.5 ---	74.7 --	80.2 -----
Versuchs-Mittel	72.7 -----	60.6 -----	73.8 ----	76.9 -----	81.6 -----
VK [%]	1.7	1.6	1.0	2.0	1.2
KGD (5%)	0.9	1.6	1.2	2.5	1.5
KGD (1%)	1.2	2.1	1.6	3.3	2.0
Versuchs-Streuung	1.2	1.0	0.7	1.5	0.9
FG Fehlerterm	282.0	56.0	58.0	56.0	56.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	834.9	29	19.43 ***	1.51	0.0000
Anbauorte	22324.7	4	3766.09 ***	2.41	0.0000
WW Verf.*Anb.Orte	395.6	116	2.30 ***	1.28	0.0002
Fehler	417.9	282			
Insgesamt	23973.0	431			

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

Verfahren	8566 Ellighausen TG	
P8086	70.0	----
KWS Milandro	71.0	-----
Meluseen	69.7	---
KWS Adorado	68.7	--
SY Opale	71.3	-----
LG 31251	68.0	-
Galismo	69.0	--
P8317	73.3	-----
Farmirella	68.7	--
LG 31281	70.3	----
LG 31271	70.7	-----
DKC 3464	72.7	-----
SU Keldeo	71.3	-----
1084F587-01	74.0	-----
SY Fleming	71.0	-----
KWS Sporco	71.7	-----
EZ3342	71.0	-----
EZ3448	70.7	-----
Menhir	72.3	-----
RH24014	70.3	----
Gandolf	70.7	-----
KXC4122	72.7	-----
1081F781-01	73.0	-----
P82000	73.0	-----
LID1033C	74.0	-----
SB0874	70.0	----
SB1724	72.3	-----
LG 32257	69.0	--
Qualito	69.7	---
Bajeno	68.0	-
-Bezugsgrösse(n)	69.3	---
Versuchs-Mittel	70.9	-----
VK [%]	2.4	
KGD (5%)	2.7	
KGD (1%)	3.6	
Versuchs-Streuung	1.7	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8086	263.3 ----	296.7 -----	246.7 -----	243.3 ---	266.7 ----
KWS Milandro	243.0 -	263.3 ----	203.3 -	241.7 ---	248.3 --
Meluseen	267.3 -----	296.7 -----	245.0 -----	246.7 ----	268.3 ----
KWS Adorado	258.3 ---	291.7 -----	231.7 ----	248.3 -----	263.3 ---
SY Opale	262.7 ----	301.7 -----	235.0 ----	253.3 -----	255.0 ---
LG 31251	258.7 ----	300.0 -----	233.3 ----	238.3 --	255.0 ---
Galismo	263.0 -----	303.3 -----	231.7 ----	255.0 -----	255.0 ---
P8317	268.7 -----	298.3 -----	250.0 -----	253.3 -----	266.7 ----
Farmirella	250.3 --	276.7 -----	233.3 ----	243.3 ---	248.3 --
LG 31281	268.3 -----	305.0 -----	241.7 ----	251.7 -----	270.0 ----
LG 31271	266.7 -----	300.0 -----	248.3 -----	243.3 ---	268.3 ----
DKC 3464	277.3 -----	310.0 -----	246.7 -----	253.3 -----	295.0 -----
SU Keldeo	266.3 -----	306.7 -----	246.7 -----	251.7 -----	260.0 ---
1084F587-01	269.3 -----	296.7 -----	246.7 -----	246.7 ---	271.7 ----
SY Fleming	267.3 -----	310.0 -----	243.3 -----	250.0 -----	263.3 ---
KWS Sporco	269.7 -----	305.0 -----	236.7 -----	253.3 -----	270.0 ----
EZ3342	267.3 -----	301.7 -----	248.3 -----	253.3 -----	271.7 ----
EZ3448	264.3 ----	285.0 -----	251.7 -----	246.7 ---	261.7 ---
Menhir	275.0 -----	305.0 -----	246.7 -----	258.3 -----	270.0 ----
RH24014	272.0 -----	315.0 -----	261.7 -----	255.0 -----	261.7 ---
Gandolf	245.0 -	235.0 -	241.7 ----	238.3 --	253.3 --
KXC4122	272.0 -----	313.3 -----	246.7 -----	258.3 -----	256.7 ---
1081F781-01	266.7 -----	300.0 -----	243.3 -----	240.0 --	270.0 ----
P82000	256.0 ---	285.0 -----	233.3 ----	248.3 -----	260.0 ---
LID1033C	264.7 -----	285.0 -----	240.0 -----	240.0 --	283.3 -----
SB0874	276.3 -----	306.7 -----	255.0 -----	265.0 -----	276.7 -----
SB1724	287.0 -----	316.7 -----	270.0 -----	240.0 --	305.0 -----
LG 32257	259.7 ----	303.3 -----	231.7 ----	241.7 ---	251.7 --
Qualito	261.3 ----	298.3 -----	238.3 -----	243.3 ---	265.0 ----
Bajeno	249.0 --	286.7 -----	223.3 ----	235.0 -	241.7 -
-Bezugsgrösse(n)	265.2 -----	300.0 -----	238.3 -----	250.8 -----	261.7 ----
Versuchs-Mittel	264.6 ----	296.6 -----	241.7 -----	247.9 ----	265.1 ----
VK [%]	5.0	5.8	6.4	3.3	4.0
KGD (5%)	9.5	28.1	25.3	13.6	17.2
KGD (1%)	12.6	37.4	ns	18.0	22.9
Versuchs-Streuung	13.3	17.2	15.4	8.3	10.5
FG Fehlerterm	284.0	58.0	56.0	56.0	56.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	39311.1	29	7.71 ***	1.51	0.0000
Anbauorte	168701.7	4	239.94 ***	2.41	0.0000
WW Verf.*Anb.Orte	29381.7	116	1.44 ns	1.28	
Fehler	49920.6	284			
Insgesamt	287315.0	433			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
P8086	263.3	---
KWS Milandro	258.3	--
Meluseen	280.0	-----
KWS Adorado	256.7	--
SY Opale	268.3	----
LG 31251	266.7	----
Galismo	270.0	----
P8317	275.0	-----
Farmirella	250.0	-
LG 31281	273.3	-----
LG 31271	273.3	-----
DKC 3464	281.7	-----
SU Keldeo	266.7	----
1084F587-01	285.0	-----
SY Fleming	270.0	----
KWS Sporco	283.3	-----
EZ3342	261.7	---
EZ3448	276.7	-----
Menhir	295.0	-----
RH24014	266.7	----
Gandolf	256.7	--
KXC4122	285.0	-----
1081F781-01	280.0	-----
P82000	253.3	-
LID1033C	275.0	-----
SB0874	278.3	-----
SB1724	303.3	-----
LG 32257	270.0	----
Qualito	261.7	---
Bajeno	258.3	--
-Bezugsgrösse(n)	275.0	-----
Versuchs-Mittel	271.4	-----
VK [%]	4.7	
KGD (5%)	20.8	
KGD (1%)	27.7	
Versuchs-Streuung	12.7	
FG Fehlerterm	58.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		3065 Habstetten		8046 Reckenholz ZH	
P8086	115.7	-	131.7	---	108.3	----	113.3	---	111.7	-
KWS Milandro	115.0	-	135.0	----	106.7	---	105.0	-	115.0	--
Meluseen	118.0	--	128.3	---	108.3	----	115.0	----	120.0	---
KWS Adorado	120.3	---	145.0	-----	103.3	-	110.0	--	115.0	--
SY Opale	115.7	-	131.7	---	103.3	-	110.0	--	108.3	-
LG 31251	130.3	-----	156.7	-----	111.7	-----	118.3	----	130.0	----
Galismo	127.3	-----	141.7	-----	108.3	----	118.3	----	133.3	-----
P8317	122.0	----	138.3	----	106.7	---	115.0	----	116.7	--
Farmirella	124.3	----	133.3	----	115.0	-----	116.7	----	133.3	-----
LG 31281	135.7	-----	156.7	-----	110.0	----	126.7	-----	141.7	-----
LG 31271	129.3	-----	150.0	-----	110.0	----	121.7	-----	133.3	-----
DKC 3464	126.7	-----	138.3	----	106.7	---	123.3	-----	133.3	-----
SU Keldeo	118.3	--	133.3	----	116.7	-----	111.7	--	113.3	--
1084F587-01	127.7	-----	140.0	-----	113.3	-----	120.0	-----	131.7	-----
SY Fleming	117.7	--	125.0	--	111.7	-----	116.7	----	110.0	-
KWS Sporco	126.0	----	136.7	----	108.3	----	121.7	-----	123.3	----
EZ3342	128.7	-----	148.3	-----	106.7	---	123.3	-----	131.7	-----
EZ3448	119.0	--	131.7	---	106.7	---	110.0	--	116.7	--
Menhir	130.7	-----	141.7	-----	111.7	-----	123.3	-----	128.3	-----
RH24014	118.0	--	140.0	-----	110.0	----	105.0	-	111.7	-
Gandolf	127.9	-----	130.0	---	110.0	----	136.3	-----	130.0	-----
KXC4122	125.0	----	138.3	----	105.0	--	125.0	-----	121.7	---
1081F781-01	118.3	--	130.0	---	103.3	-	118.3	----	116.7	--
P82000	122.3	----	135.0	----	108.3	----	120.0	-----	123.3	----
LID1033C	133.3	-----	140.0	-----	118.3	-----	125.0	-----	140.0	-----
SB0874	123.7	----	135.0	----	115.0	-----	113.3	---	118.3	---
SB1724	137.7	-----	145.0	-----	115.0	-----	123.3	-----	158.3	-----
LG 32257	119.0	--	140.0	-----	103.3	-	115.0	----	115.0	--
Qualito	118.0	--	136.7	----	106.7	---	110.0	--	111.7	-
Bajeno	115.3	-	121.7	-	105.0	--	111.7	---	120.0	---
-Bezugsgrösse(n)	122.7	----	135.0	----	108.3	----	116.7	----	126.7	----
Versuchs-Mittel	123.6	----	137.8	-----	109.1	----	117.4	-----	123.8	----
VK [%]	7.3		6.2		4.6		5.9		8.8	
KGD (5%)	6.5		14.0		8.3		11.3		17.9	
KGD (1%)	8.6		18.7		ns		15.0		23.8	
Versuchs-Streuung	9.0		8.6		5.1		6.9		10.9	
FG Fehlerterm	286.0		56.0		58.0		58.0		56.0	
Anz. Beob.	15.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	17535.0	29	7.42	***	1.51	0.0000
Anbauorte	43863.6	4	134.48	***	2.41	0.0000
WW Verf.*Anb.Orte	12959.3	116	1.37	ns	1.28	
Fehler	23321.5	286				
Insgesamt	97679.5	435				

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

Verfahren	8566	
	Ellighausen TG	
P8086	113.3	-
KWS Milandro	113.3	-
Meluseen	118.3	--
KWS Adorado	128.3	-----
SY Opale	125.0	----
LG 31251	135.0	-----
Galismo	135.0	-----
P8317	133.3	-----
Farmirella	123.3	---
LG 31281	143.3	-----
LG 31271	131.7	-----
DKC 3464	131.7	-----
SU Keldeo	116.7	--
1084F587-01	133.3	-----
SY Fleming	125.0	----
KWS Sporco	140.0	-----
EZ3342	133.3	-----
EZ3448	130.0	----
Menhir	148.3	-----
RH24014	123.3	---
Gandolf	133.3	-----
KXC4122	135.0	-----
1081F781-01	123.3	---
P82000	125.0	----
LID1033C	143.3	-----
SB0874	136.7	-----
SB1724	146.7	-----
LG 32257	121.7	---
Qualito	125.0	----
Bajeno	118.3	--
-Bezugsgrösse(n)	126.7	----
Versuchs-Mittel	129.7	-----
VK [%]	9.2	
KGD (5%)	19.5	
KGD (1%)	ns	
Versuchs-Streuung	11.9	
FG Fehlerterm	58.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8086	44.0 -	44.4 ---	43.8 --	46.6 ----	41.9 -
KWS Milandro	49.4 -----	53.7 -----	59.4 -----	43.5 --	46.2 ----
Meluseen	44.3 --	43.3 --	44.5 --	46.7 ----	44.7 ---
KWS Adorado	46.5 ----	49.8 ----	44.6 --	44.4 --	43.6 --
SY Opale	44.0 -	43.7 ---	44.0 --	43.4 --	42.6 -
LG 31251	50.3 -----	52.2 -----	48.0 ----	49.6 -----	51.3 -----
Galismo	48.5 -----	46.8 ----	46.9 ---	46.4 ----	52.3 -----
P8317	45.4 ---	46.4 ----	42.7 -	45.4 ---	43.9 --
Farmirella	49.7 -----	48.3 ----	49.3 ----	48.0 ----	53.8 -----
LG 31281	50.4 -----	51.4 -----	45.5 ---	50.3 -----	52.5 -----
LG 31271	48.4 -----	50.0 -----	44.3 --	50.0 -----	49.7 -----
DKC 3464	45.7 ---	44.6 ---	43.3 -	48.7 ----	45.2 ---
SU Keldeo	44.5 --	43.5 ---	47.3 ----	44.4 --	43.6 --
1084F587-01	47.4 ----	47.2 ----	46.0 ---	48.7 ----	48.4 ----
SY Fleming	44.2 --	40.3 -	45.9 ---	46.8 ----	41.7 -
KWS Sporco	46.8 ----	44.9 ---	45.8 ---	48.0 ----	45.7 ----
EZ3342	48.0 -----	49.2 -----	43.0 -	48.6 ----	48.4 -----
EZ3448	45.0 --	46.2 ----	42.4 -	44.6 ---	44.6 ---
Menhir	47.5 ----	46.4 ----	45.4 ---	47.7 ----	47.5 ----
RH24014	43.4 -	44.4 ---	42.0 -	41.2 -	43.2 --
Gandolf	52.6 -----	56.8 -----	45.5 ---	57.3 -----	51.4 -----
KXC4122	46.0 ---	44.2 ---	42.6 -	48.4 ----	47.4 ----
1081F781-01	44.5 --	43.3 --	42.6 -	49.4 -----	43.2 --
P82000	47.8 ----	47.4 ----	46.4 ---	48.3 ----	47.5 ----
LID1033C	50.4 -----	49.1 -----	49.3 ----	52.1 -----	49.5 -----
SB0874	44.8 --	44.0 ---	45.1 --	42.8 --	42.8 -
SB1724	48.0 -----	45.8 ----	42.6 -	51.4 -----	51.9 -----
LG 32257	45.8 ---	46.1 ----	44.6 --	47.7 ----	45.6 ----
Qualito	45.2 ---	46.1 ----	44.8 --	45.2 ---	42.2 -
Bajeno	46.5 ----	42.4 --	47.1 ----	47.5 ----	49.7 -----
-Bezugsgrösse(n)	46.4 ----	45.0 ---	45.7 ---	46.6 ----	48.5 -----
Versuchs-Mittel	46.8 ----	46.7 ----	45.5 ---	47.4 ----	46.7 -----
VK [%]	9.0	9.6	11.8	5.6	9.7
KGD (5%)	3.0	7.4	ns	4.3	7.4
KGD (1%)	4.0	ns	ns	5.8	ns
Versuchs-Streuung	4.2	4.5	5.4	2.6	4.6
FG Fehlerterm	288.0	58.0	56.0	58.0	58.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2443.8	29	4.70 ***	1.51	0.0000
Anbauorte	277.2	4	3.87 **	2.41	0.0045
WW Verf.*Anb.Orte	2302.9	116	1.11 ns	1.28	
Fehler	5164.4	288			
Insgesamt	10188.5	437			

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

Verfahren	8566	
	Ellighausen TG	
P8086	43.1	-
KWS Milandro	43.9	--
Meluseen	42.3	-
KWS Adorado	49.9	-----
SY Opale	46.4	-----
LG 31251	50.4	-----
Galismo	50.0	-----
P8317	48.5	-----
Farmirella	49.2	-----
LG 31281	52.4	-----
LG 31271	48.1	-----
DKC 3464	46.7	-----
SU Keldeo	43.8	--
1084F587-01	46.8	-----
SY Fleming	46.5	-----
KWS Sporco	49.5	-----
EZ3342	50.9	-----
EZ3448	47.1	-----
Menhir	50.4	-----
RH24014	46.2	-----
Gandolf	52.0	-----
KXC4122	47.4	-----
1081F781-01	44.1	--
P82000	49.3	-----
LID1033C	52.2	-----
SB0874	49.1	-----
SB1724	48.4	-----
LG 32257	45.0	---
Qualito	47.7	-----
Bajeno	46.0	-----
-Bezugsgrösse(n)	46.1	----
Versuchs-Mittel	47.8	-----
VK [%]	7.6	
KGD (5%)	6.0	
KGD (1%)	ns	
Versuchs-Streuung	3.7	
FG Fehlerterm	58.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	8193 Eglisau ZH
P8086	0.0 -	0.0 -
KWS Milandro	1.1 -----	1.1 -----
Meluseen	0.0 -	0.0 -
KWS Adorado	1.1 -----	1.1 -----
SY Opale	0.0 -	0.0 -
LG 31251	0.0 -	0.0 -
Galismo	0.0 -	0.0 -
P8317	1.1 -----	1.1 -----
Farmirella	0.0 -	0.0 -
LG 31281	0.0 -	0.0 -
LG 31271	0.0 -	0.0 -
DKC 3464	0.0 -	0.0 -
SU Keldeo	0.5 ----	0.5 ----
1084F587-01	0.0 -	0.0 -
SY Fleming	0.0 -	0.0 -
KWS Sporco	0.0 -	0.0 -
EZ3342	0.0 -	0.0 -
EZ3448	0.0 -	0.0 -
Menhir	0.0 -	0.0 -
RH24014	0.0 -	0.0 -
Gandolf	0.5 ----	0.5 ----
KXC4122	0.0 -	0.0 -
1081F781-01	0.0 -	0.0 -
P82000	1.6 -----	1.6 -----
LID1033C	0.6 ----	0.6 ----
SB0874	0.0 -	0.0 -
SB1724	1.7 -----	1.7 -----
LG 32257	0.0 -	0.0 -
Qualito	0.0 -	0.0 -
Bajeno	0.0 -	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.3 --	0.3 --
VK [%]	347.4	347.4
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.0	1.0
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	5643 Alikon AG	8566 Ellighausen TG
P8086	43.8 -----	87.5 -----	0.0 -
KWS Milandro	33.3 -----	66.7 -----	0.0 -
Meluseen	39.6 -----	79.2 -----	0.0 -
KWS Adorado	39.9 -----	79.2 -----	0.5 ----
SY Opale	43.8 -----	87.5 -----	0.0 -
LG 31251	41.9 -----	83.3 -----	0.5 ----
Galismo	27.1 ----	54.2 ----	0.0 -
P8317	20.8 ----	41.7 ----	0.0 -
Farmirella	41.7 -----	83.3 -----	0.0 -
LG 31281	33.3 -----	66.7 -----	0.0 -
LG 31271	42.2 -----	83.3 -----	1.1 -----
DKC 3464	29.2 -----	58.3 -----	0.0 -
SU Keldeo	31.3 -----	62.5 -----	0.0 -
1084F587-01	37.8 -----	75.0 -----	0.5 ----
SY Fleming	37.5 -----	75.0 -----	0.0 -
KWS Sporco	35.4 -----	70.8 -----	0.0 -
EZ3342	27.1 ----	54.2 ----	0.0 -
EZ3448	37.5 -----	75.0 -----	0.0 -
Menhir	27.1 ----	54.2 ----	0.0 -
RH24014	37.5 -----	75.0 -----	0.0 -
Gandolf	45.8 -----	91.7 -----	0.0 -
KXC4122	29.2 -----	58.3 -----	0.0 -
1081F781-01	39.6 -----	79.2 -----	0.0 -
P82000	43.8 -----	87.5 -----	0.0 -
LID1033C	19.0 ---	37.5 ---	0.5 ----
SB0874	42.5 -----	83.3 -----	1.7 -----
SB1724	44.3 -----	87.5 -----	1.1 -----
LG 32257	39.6 -----	79.2 -----	0.0 -
Qualito	22.9 ----	45.8 ----	0.0 -
Bajeno	10.4 -	20.8 -	0.0 -
-Bezugsgrösse(n)	33.3 -----	66.7 -----	0.0 -
Versuchs-Mittel	34.8 -----	69.4 -----	0.2 --
VK [%]	29.8	21.1	300.6
KGD (5%)	11.9	24.0	ns
KGD (1%)	15.7	31.9	ns
Versuchs-Streuung	10.4	14.7	0.6
FG Fehlerterm	112.0	56.0	56.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13372.5	29	4.28 ***	1.57	0.0000
Anbauorte	215768.1	1	2001.21 ***	3.92	0.0000
WW Verf.*Anb.Orte	13031.8	29	4.17 ***	1.57	0.0000
Fehler	12075.7	112			
Insgesamt	254248.1	171			

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

Verfahren	Seriemittel	5643 Alikon AG
P8086	58.3 -----	58.3 -----
KWS Milandro	29.2 ---	29.2 ---
Meluseen	45.8 -----	45.8 -----
KWS Adorado	66.7 -----	66.7 -----
SY Opale	75.0 -----	75.0 -----
LG 31251	62.5 -----	62.5 -----
Galismo	45.8 -----	45.8 -----
P8317	16.7 -	16.7 -
Farmirella	45.8 -----	45.8 -----
LG 31281	41.7 -----	41.7 -----
LG 31271	50.0 -----	50.0 -----
DKC 3464	41.7 -----	41.7 -----
SU Keldeo	50.0 -----	50.0 -----
1084F587-01	45.8 -----	45.8 -----
SY Fleming	41.7 -----	41.7 -----
KWS Sporco	41.7 -----	41.7 -----
EZ3342	33.3 ----	33.3 ----
EZ3448	41.7 -----	41.7 -----
Menhir	45.8 -----	45.8 -----
RH24014	50.0 -----	50.0 -----
Gandolf	62.5 -----	62.5 -----
KXC4122	33.3 ----	33.3 ----
1081F781-01	54.2 -----	54.2 -----
P82000	58.3 -----	58.3 -----
LID1033C	16.7 -	16.7 -
SB0874	62.5 -----	62.5 -----
SB1724	58.3 -----	58.3 -----
LG 32257	79.2 -----	79.2 -----
Qualito	29.2 ---	29.2 ---
Bajeno	12.5 -	12.5 -
-Bezugsgrösse(n)	45.8 -----	45.8 -----
Versuchs-Mittel	46.5 -----	46.5 -----
VK [%]	45.4	45.4
KGD (5%)	34.6	34.6
KGD (1%)	ns	ns
Versuchs-Streuung	21.1	21.1
FG Fehlerterm	56.0	56.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	5643 Alikon AG
P8086	5.2 ----	11.9 -----	15.5 -----	0.8 -	1.7 ---
KWS Milandro	5.2 ----	6.9 ---	10.9 -----	1.0 --	1.8 ---
Meluseen	0.9 -	2.0 -	1.1 -	0.4 -	0.6 -
KWS Adorado	1.4 -	2.7 -	1.1 -	3.6 -----	1.2 --
SY Opale	12.2 -----	5.2 ---	11.0 -----	4.3 -----	8.7 -----
LG 31251	3.3 ---	16.9 -----	1.1 -	3.7 -----	0.6 -
Galismo	12.4 -----	21.7 -----	17.8 -----	6.8 -----	3.0 ----
P8317	5.3 ----	19.4 -----	5.0 ---	1.6 ---	7.0 -----
Farmirella	4.3 ----	5.6 ---	6.8 ----	0.7 -	3.8 -----
LG 31281	3.2 ---	7.3 ----	1.9 -	5.2 -----	1.8 ---
LG 31271	2.6 --	10.9 -----	1.9 -	1.1 --	1.8 ---
DKC 3464	4.1 ----	7.0 ---	6.3 ----	5.0 -----	3.7 -----
SU Keldeo	1.3 -	4.4 --	1.6 -	0.7 -	0.0 -
1084F587-01	1.4 -	3.2 --	2.6 --	0.4 -	0.0 -
SY Fleming	1.8 --	2.7 -	4.3 ---	2.1 ---	0.6 -
KWS Sporco	4.2 ----	13.4 -----	3.2 --	3.0 -----	3.1 ----
EZ3342	1.9 --	4.1 --	1.1 -	0.7 -	2.6 ----
EZ3448	1.6 --	2.8 -	1.8 -	2.0 ---	0.6 -
Menhir	3.1 ---	4.0 --	1.4 -	1.3 --	1.2 --
RH24014	5.4 -----	9.6 -----	4.5 ---	5.1 -----	6.2 -----
Gandolf	2.8 ---	7.2 ---	1.5 -	0.7 -	2.8 ----
KXC4122	3.7 ---	2.3 -	6.0 -----	3.0 -----	1.8 ---
1081F781-01	1.0 -	2.3 -	1.1 -	1.0 --	1.7 ---
P82000	0.5 -	1.7 -	1.1 -	0.4 -	0.0 -
LID1033C	1.3 -	1.3 -	3.5 --	1.0 --	0.6 -
SB0874	2.4 --	5.8 ---	1.8 -	3.7 -----	3.0 ----
SB1724	0.7 -	2.8 -	1.1 -	0.4 -	0.0 -
LG 32257	1.2 -	2.4 -	2.8 --	1.0 --	0.0 -
Qualito	7.2 -----	9.5 -----	10.5 -----	4.9 -----	3.6 -----
Bajeno	2.8 ---	7.8 ----	1.0 -	3.8 -----	0.0 -
-Bezugsgrösse(n)	6.6 -----	11.8 -----	9.4 -----	3.6 -----	1.8 ---
Versuchs-Mittel	3.5 ---	6.8 ---	4.4 ---	2.3 ----	2.1 ---
VK [%]	135.1	60.9	80.6	106.7	122.0
KGD (5%)	2.8	6.8	5.8	4.0	4.2
KGD (1%)	3.8	9.0	7.7	ns	5.6
Versuchs-Streuung	4.7	4.2	3.5	2.5	2.6
FG Fehlerterm	400.0	58.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5217.6	29	8.16 ***	1.50	0.0000
Anbauorte	2511.7	6	18.98 ***	2.12	0.0000
WW Verf.*Anb.Orte	8952.1	174	2.33 ***	1.23	0.0002
Fehler	8822.9	400			
Insgesamt	25504.2	609			

Charbon [%] / Beulenbrand [%]

Verfahren	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	0.0 -	3.4 -	3.3 --
KWS Milandro	0.0 -	12.5 ---	3.2 --
Meluseen	0.0 -	1.8 -	0.5 -
KWS Adorado	0.0 -	0.0 -	1.0 -
SY Opale	2.2 -----	48.6 -----	5.5 ----
LG 31251	0.0 -	0.0 -	0.5 -
Galismo	0.0 -	19.3 ----	18.2 -----
P8317	2.3 -----	0.0 -	1.7 --
Farmirella	0.0 -	10.5 ---	2.3 --
LG 31281	0.0 -	4.5 --	1.6 -
LG 31271	0.5 ---	0.6 -	1.6 -
DKC 3464	0.0 -	0.6 -	6.2 ----
SU Keldeo	0.0 -	1.1 -	1.6 -
1084F587-01	0.0 -	3.3 -	0.5 -
SY Fleming	0.0 -	0.5 -	2.1 --
KWS Sporco	0.0 -	2.0 -	4.7 ---
EZ3342	0.0 -	3.4 -	1.6 -
EZ3448	0.0 -	0.0 -	3.9 ---
Menhir	2.4 -----	4.4 --	6.8 ----
RH24014	1.0 ----	3.7 -	7.8 ----
Gandolf	1.1 ----	3.5 -	2.6 --
KXC4122	0.0 -	12.8 ---	0.0 -
1081F781-01	0.0 -	0.0 -	1.0 -
P82000	0.0 -	0.0 -	0.0 -
LID1033C	0.5 ---	0.0 -	2.2 --
SB0874	0.5 ---	0.5 -	1.6 -
SB1724	0.0 -	0.0 -	1.1 -
LG 32257	0.0 -	0.6 -	1.7 --
Qualito	0.6 ---	14.7 ----	6.5 ----
Bajeno	0.0 -	3.3 -	3.7 ---
-Bezugsgrösse(n)	0.0 -	10.6 ---	9.4 -----
Versuchs-Mittel	0.4 --	5.2 --	3.2 --
VK [%]	288.4	198.1	83.9
KGD (5%)	ns	16.8	4.3
KGD (1%)	ns	22.4	5.8
Versuchs-Streuung	1.1	10.3	2.7
FG Fehlerterm	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	8.6 ---	9.2 --	8.5 -	8.4 --	9.0 ----
KWS Milandro	9.0 -----	9.6 -----	8.5 -	9.2 -----	9.8 -----
Meluseen	9.0 -----	10.2 -----	8.5 -	9.2 -----	9.2 -----
KWS Adorado	8.9 -----	9.9 -----	8.5 -	8.8 -----	9.5 -----
SY Opale	8.7 -----	9.5 ----	8.5 -	8.2 -	9.5 -----
LG 31251	8.9 -----	9.7 -----	8.5 -	9.5 -----	9.9 -----
Galismo	9.1 -----	9.7 -----	8.5 -	9.7 -----	9.7 -----
P8317	8.4 -	9.5 ----	8.5 -	8.3 -	8.3 -
Farmirella	8.9 -----	9.5 ----	8.5 -	8.9 -----	9.5 -----
LG 31281	9.0 -----	10.1 -----	8.5 -	9.2 -----	9.8 -----
LG 31271	8.9 -----	9.7 -----	8.5 -	8.8 -----	9.7 -----
DKC 3464	8.8 -----	9.6 ----	8.5 -	8.7 ----	9.4 -----
SU Keldeo	8.8 -----	9.9 -----	8.5 -	8.6 ---	9.7 -----
1084F587-01	8.8 -----	9.7 -----	8.5 -	8.9 -----	9.5 -----
SY Fleming	9.0 -----	9.8 -----	8.5 -	9.1 -----	9.5 -----
KWS Sporco	9.0 -----	10.0 -----	8.5 -	9.5 -----	10.2 -----
EZ3342	8.9 -----	9.8 -----	8.5 -	9.1 -----	9.5 -----
EZ3448	8.9 -----	9.6 ----	8.5 -	9.0 -----	9.8 -----
Menhir	9.0 -----	9.9 -----	8.5 -	9.3 -----	10.2 -----
RH24014	8.6 ---	9.0 -	8.5 -	8.7 ----	9.3 ----
Gandolf	9.0 -----	9.3 ---	8.5 -	8.9 -----	9.8 -----
KXC4122	9.1 -----	10.2 -----	8.5 -	9.5 -----	10.0 -----
1081F781-01	8.9 -----	9.0 -	8.5 -	9.1 -----	9.5 -----
P82000	8.7 ----	9.6 ----	8.5 -	8.8 ----	9.4 ----
LID1033C	9.0 -----	10.3 -----	8.5 -	9.4 -----	10.2 -----
SB0874	9.1 -----	9.8 -----	8.5 -	9.3 -----	9.9 -----
SB1724	9.0 -----	9.7 -----	8.5 -	9.5 -----	9.7 -----
LG 32257	8.8 -----	9.6 ----	8.5 -	9.3 -----	9.7 -----
Qualito	9.1 -----	9.8 -----	8.5 -	9.5 -----	10.1 -----
Bajeno	9.1 -----	10.0 -----	8.5 -	9.7 -----	10.3 -----
-Bezugsgrösse(n)	9.0 -----	10.0 -----	8.5 -	9.4 -----	9.5 -----
Versuchs-Mittel	8.9 -----	9.7 -----	8.5 -	9.1 -----	9.7 -----
VK [%]	4.6	3.7	0.0	4.3	3.7
KGD (5%)	0.2	0.6	ns	0.6	0.6
KGD (1%)	0.3	0.8	ns	0.9	0.8
Versuchs-Streuung	0.4	0.4	0.0	0.4	0.4
FG Fehlerterm	458.0	58.0	58.0	58.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	18.7	29	3.93 ***	1.49	0.0000
Anbauorte	214.8	7	186.71 ***	2.03	0.0000
WW Verf.*Anb.Orte	47.6	203	1.43 ns	1.21	
Fehler	75.3	458			
Insgesamt	356.4	697			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	8.4 -----	8.1 ----	8.3 ----	8.9 -----
KWS Milandro	8.3 -----	8.7 -----	8.7 -----	9.1 -----
Meluseen	8.2 -----	8.9 -----	8.3 ----	9.2 -----
KWS Adorado	8.3 -----	8.6 -----	8.6 -----	9.2 -----
SY Opale	8.4 -----	8.6 -----	8.1 ----	8.9 ----
LG 31251	8.2 -----	8.6 -----	8.5 ----	8.7 --
Galismo	8.2 -----	8.9 -----	8.8 -----	9.3 -----
P8317	7.7 -	8.0 --	8.6 -----	8.5 -
Farmirella	7.9 --	8.6 -----	8.8 -----	9.3 -----
LG 31281	8.2 -----	8.8 -----	8.5 -----	8.9 ----
LG 31271	8.2 -----	8.7 -----	8.5 ----	9.0 -----
DKC 3464	7.8 --	8.7 -----	8.6 -----	9.4 -----
SU Keldeo	7.9 --	8.0 --	9.1 -----	9.1 -----
1084F587-01	8.1 -----	7.7 -	8.5 ----	9.3 -----
SY Fleming	8.3 -----	8.2 ----	9.4 -----	9.1 -----
KWS Sporco	7.9 ----	8.0 --	9.1 -----	9.2 -----
EZ3342	7.8 --	8.6 -----	8.7 -----	9.1 -----
EZ3448	7.9 --	8.4 -----	8.6 -----	9.2 -----
Menhir	8.2 -----	8.3 -----	8.9 -----	9.1 -----
RH24014	7.9 ----	8.5 -----	8.4 ----	8.7 --
Gandolf	8.3 -----	8.7 -----	8.8 -----	9.4 -----
KXC4122	8.2 -----	8.8 -----	7.6 -	9.6 -----
1081F781-01	8.3 -----	8.9 -----	8.6 -----	9.3 -----
P82000	8.1 -----	8.0 --	8.6 -----	8.9 ----
LID1033C	8.1 -----	8.3 -----	8.3 ----	9.0 ----
SB0874	8.2 -----	8.9 -----	9.0 -----	9.1 -----
SB1724	8.1 -----	8.3 ----	8.8 -----	9.0 -----
LG 32257	8.2 -----	7.8 -	8.6 -----	8.9 ----
Qualito	8.2 -----	8.4 -----	9.2 -----	9.1 -----
Bajeno	8.2 -----	8.2 ----	8.8 -----	9.3 -----
-Bezugsgrösse(n)	8.2 -----	8.9 -----	8.6 -----	9.2 -----
Versuchs-Mittel	8.1 -----	8.4 -----	8.6 -----	9.1 -----
VK [%]	3.5	7.5	6.8	3.1
KGD (5%)	ns	ns	ns	0.5
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	0.3	0.6	0.6	0.3
FG Fehlerterm	56.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	611.2 ----	603.9 -----	473.4 --	602.9 -----	686.3 -----
KWS Milandro	583.7 ---	592.8 -----	492.4 ---	515.6 --	575.4 --
Meluseen	626.0 -----	605.3 -----	544.7 -----	628.8 -----	589.1 --
KWS Adorado	581.4 ---	540.7 --	487.3 ---	485.7 -	633.2 -----
SY Opale	640.5 -----	579.7 -----	561.4 -----	596.7 -----	674.8 -----
LG 31251	611.7 -----	584.3 -----	531.5 -----	525.7 ---	654.0 -----
Galismo	632.5 -----	634.0 -----	510.3 ----	590.7 -----	642.7 -----
P8317	648.2 -----	651.3 -----	490.7 ---	660.9 -----	720.7 -----
Farmirella	630.2 -----	564.7 ----	501.7 ----	625.4 -----	662.5 -----
LG 31281	648.4 -----	638.9 -----	531.8 -----	595.8 -----	708.4 -----
LG 31271	698.7 -----	667.7 -----	600.8 -----	652.3 -----	746.7 -----
DKC 3464	649.7 -----	644.7 -----	544.0 -----	590.7 -----	703.2 -----
SU Keldeo	628.5 -----	638.3 -----	542.5 -----	614.0 -----	619.8 ---
1084F587-01	648.1 -----	634.3 -----	549.6 -----	595.9 -----	671.2 -----
SY Fleming	651.8 -----	625.8 -----	539.1 -----	648.0 -----	683.7 -----
KWS Sporco	654.1 -----	646.3 -----	553.2 -----	587.6 -----	682.4 -----
EZ3342	639.7 -----	629.5 -----	523.5 -----	631.3 -----	650.7 -----
EZ3448	607.7 ----	585.3 ----	535.2 -----	607.6 -----	554.5 -
Menhir	633.9 -----	600.9 -----	518.2 -----	587.2 -----	658.1 -----
RH24014	633.3 -----	632.7 -----	548.3 -----	622.8 -----	651.1 -----
Gandolf	620.3 -----	601.8 -----	568.2 -----	591.0 -----	608.1 ---
KXC4122	645.5 -----	667.7 -----	519.9 -----	610.1 -----	686.9 -----
1081F781-01	610.2 ----	589.2 ----	506.2 ----	546.1 ---	649.2 -----
P82000	597.8 ---	584.0 ----	511.9 ---	526.8 ---	660.4 -----
LID1033C	627.4 -----	583.2 -----	503.3 -----	594.2 -----	637.0 -----
SB0874	646.9 -----	630.5 -----	503.9 -----	676.6 -----	681.3 -----
SB1724	664.2 -----	647.6 -----	549.6 -----	648.1 -----	660.4 -----
LG 32257	597.3 ----	589.3 ----	458.5 -	579.3 -----	674.3 -----
Qualito	605.5 ----	605.9 -----	534.5 -----	572.4 -----	616.1 ----
Bajeno	553.8 -	521.9 -	472.8 --	483.8 -	585.8 --
-Bezugsgrösse(n)	629.2 -----	619.7 -----	527.5 -----	609.8 -----	615.9 ----
Versuchs-Mittel	627.6 -----	610.7 -----	523.6 -----	593.1 -----	654.3 -----
VK [%]	9.6	4.8	30.4	6.1	4.9
KGD (5%)	34.3	48.1	ns	58.8	52.8
KGD (1%)	45.1	64.0	ns	78.2	70.3
Versuchs-Streuung	60.4	29.4	158.6	36.0	32.3
FG Fehlerterm	439.0	58.0	43.0	58.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	567119.8	29	5.36 ***	1.49	0.0000
Anbauorte	2439806.9	7	95.45 ***	2.03	0.0000
WW Verf.*Anb.Orte	425158.2	203	0.57 ns	1.21	
Fehler	1603111.1	439			
Insgesamt	5035195.9	678			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	625.6 ----	677.0 ---	547.8 ---	673.0 ----
KWS Milandro	620.6 ----	684.3 ----	562.3 ----	626.5 -
Meluseen	638.4 -----	711.7 -----	597.9 -----	691.9 -----
KWS Adorado	594.0 --	660.9 --	598.5 -----	651.2 --
SY Opale	656.0 -----	736.0 -----	585.4 -----	734.3 -----
LG 31251	629.2 ----	712.2 -----	595.9 -----	660.4 ---
Galismo	693.5 -----	741.0 -----	558.8 ---	689.0 ----
P8317	652.1 -----	726.1 -----	570.8 ----	713.4 -----
Farmirella	675.9 -----	714.4 -----	577.9 ----	719.4 -----
LG 31281	656.3 -----	743.7 -----	603.3 -----	709.2 -----
LG 31271	704.8 -----	780.1 -----	675.1 -----	762.1 -----
DKC 3464	659.3 -----	751.3 -----	579.5 ----	724.9 -----
SU Keldeo	634.3 ----	716.0 ----	589.5 ----	673.6 ---
1084F587-01	696.9 -----	680.1 ---	607.0 -----	749.9 -----
SY Fleming	683.9 -----	714.0 ----	608.3 -----	712.1 -----
KWS Sporco	659.0 -----	737.0 -----	651.6 -----	715.5 -----
EZ3342	640.2 -----	737.5 -----	620.7 -----	684.5 ----
EZ3448	616.4 ----	696.9 ----	599.4 -----	666.5 ----
Menhir	674.0 -----	722.1 ----	583.9 ----	727.1 -----
RH24014	652.7 -----	672.7 ---	584.8 ----	701.4 -----
Gandolf	635.1 ----	731.5 -----	547.2 ---	679.7 ---
KXC4122	577.7 -	726.3 -----	640.8 -----	734.3 -----
1081F781-01	640.1 -----	677.5 ---	569.3 ----	704.3 -----
P82000	593.8 --	673.2 ---	551.9 ---	680.3 ----
LID1033C	655.6 -----	753.1 -----	581.7 ----	710.9 -----
SB0874	640.3 -----	729.7 -----	618.8 -----	693.9 ----
SB1724	686.5 -----	783.2 -----	573.6 ----	764.5 -----
LG 32257	583.4 -	652.2 --	546.7 ---	694.4 -----
Qualito	646.3 -----	685.6 ----	526.3 -	656.7 ---
Bajeno	583.7 -	637.8 -	512.8 -	632.1 -
-Bezugsgrösse(n)	666.0 -----	726.4 -----	578.4 ----	690.5 ----
Versuchs-Mittel	643.5 -----	712.2 -----	585.6 ----	697.9 -----
VK [%]	8.6	3.9	6.4	4.1
KGD (5%)	ns	45.0	61.6	46.7
KGD (1%)	ns	59.9	82.0	62.2
Versuchs-Streuung	55.2	27.5	37.6	28.5
FG Fehlerterm	56.0	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	215.8 ---	254.3 -----	165.3 --	247.7 ----	243.3 -----
KWS Milandro	213.5 --	261.1 -----	171.8 ----	240.0 ---	214.8 -
Meluseen	223.2 -----	235.4 ----	181.0 -----	263.3 -----	238.1 -----
KWS Adorado	215.9 ---	216.8 -	182.7 -----	239.7 --	243.3 -----
SY Opale	214.3 --	216.9 -	182.3 -----	238.8 --	244.6 -----
LG 31251	221.9 -----	220.6 -	188.5 -----	257.2 -----	239.4 ----
Galismo	223.4 -----	259.1 -----	171.9 ----	248.0 ----	241.0 -----
P8317	214.6 --	232.1 ----	162.0 -	256.1 -----	235.6 ----
Farmirella	211.5 -	227.8 ---	161.1 -	252.4 -----	225.8 ---
LG 31281	231.1 -----	263.5 -----	184.4 -----	260.4 -----	252.2 -----
LG 31271	231.3 -----	241.8 ----	191.4 -----	253.9 ----	253.2 -----
DKC 3464	226.1 -----	262.1 -----	188.2 -----	244.4 ---	251.6 -----
SU Keldeo	224.1 -----	267.6 -----	181.7 -----	248.6 ---	243.7 -----
1084F587-01	228.6 -----	269.0 -----	175.0 ----	259.5 -----	265.4 -----
SY Fleming	222.9 -----	241.9 ----	185.3 -----	253.7 ----	255.4 -----
KWS Sporco	223.8 -----	243.4 ----	187.3 -----	254.7 ----	238.3 ----
EZ3342	228.8 -----	253.9 -----	187.2 -----	275.2 -----	241.6 -----
EZ3448	219.9 ----	243.7 ----	192.5 -----	258.8 -----	228.0 ---
Menhir	225.3 -----	238.6 ----	168.4 ---	258.2 -----	255.4 -----
RH24014	224.1 -----	264.3 -----	191.8 -----	252.9 ----	243.9 -----
Gandolf	211.9 -	245.1 ----	178.9 ----	243.8 ---	229.4 ---
KXC4122	225.3 -----	257.4 -----	176.8 ----	266.9 -----	248.2 -----
1081F781-01	214.1 --	248.7 -----	172.2 ----	229.6 -	239.1 -----
P82000	215.6 ---	266.1 -----	177.9 -----	236.2 --	243.1 -----
LID1033C	216.4 ---	256.2 -----	162.7 -	233.0 -	249.6 -----
SB0874	224.1 -----	234.4 ----	166.3 --	258.0 -----	269.3 -----
SB1724	232.4 -----	260.2 -----	187.3 -----	282.6 -----	247.0 -----
LG 32257	214.2 --	249.9 -----	163.9 -	247.6 ---	244.6 -----
Qualito	214.7 --	246.5 ----	183.1 -----	251.6 ----	223.8 --
Bajeno	210.8 -	235.3 ----	169.0 ---	235.5 --	227.2 ---
-Bezugsgrösse(n)	223.3 -----	247.2 -----	176.5 ----	255.6 -----	239.5 -----
Versuchs-Mittel	220.6 ----	247.1 -----	177.9 -----	251.6 ----	242.5 -----
VK [%]	9.2	8.9	24.7	5.7	6.4
KGD (5%)	11.5	ns	ns	23.5	25.5
KGD (1%)	15.1	ns	ns	31.3	ns
Versuchs-Streuung	20.2	22.1	43.9	14.4	15.6
FG Fehlerterm	439.0	56.0	43.0	56.0	58.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	29449.1	29	2.49 ***	1.49	0.0005
Anbauorte	462627.7	7	162.01 ***	2.03	0.0000
WW Verf.*Anb.Orte	58905.7	203	0.71 ns	1.21	
Fehler	179087.7	439			
Insgesamt	730070.2	678			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	204.1 ---	211.4 ----	181.5 ---	219.1 ----
KWS Milandro	217.5 -----	216.6 -----	181.0 ---	205.0 -
Meluseen	215.8 -----	222.5 -----	194.0 -----	235.8 -----
KWS Adorado	208.8 ---	213.7 ----	196.6 -----	225.4 ----
SY Opale	206.9 ---	212.0 ----	179.1 ---	233.8 -----
LG 31251	216.8 -----	228.1 -----	200.0 -----	224.7 ----
Galismo	234.2 -----	229.6 -----	177.6 --	225.9 ----
P8317	209.1 ---	216.8 -----	182.0 ---	223.5 ----
Farmirella	208.4 ---	214.0 ----	175.5 --	226.9 -----
LG 31281	231.8 -----	227.9 -----	195.4 -----	233.3 -----
LG 31271	218.4 -----	231.6 -----	215.2 -----	245.2 -----
DKC 3464	217.6 -----	230.4 -----	184.9 ----	229.6 ----
SU Keldeo	221.0 -----	216.9 ----	187.8 ----	225.5 ----
1084F587-01	226.4 -----	201.7 -	192.1 -----	239.7 -----
SY Fleming	220.7 -----	207.0 ---	189.2 ----	229.6 ----
KWS Sporco	212.3 ----	220.2 -----	205.9 -----	228.0 ----
EZ3342	213.1 ----	226.8 -----	206.8 -----	226.1 ----
EZ3448	211.0 ----	209.4 ---	190.9 ----	224.5 ----
Menhir	230.8 -----	225.5 -----	191.2 ----	234.1 -----
RH24014	226.9 -----	208.2 ---	185.0 ----	219.5 ----
Gandolf	197.4 --	210.0 ----	175.4 --	215.1 ---
KXC4122	193.3 -	220.3 -----	203.3 -----	236.4 -----
1081F781-01	206.7 ---	204.5 --	180.2 ---	231.6 -----
P82000	197.3 --	206.4 ---	171.5 -	226.1 ----
LID1033C	215.5 -----	214.8 ----	179.9 ---	219.8 ---
SB0874	215.7 -----	212.8 ----	200.5 -----	235.4 -----
SB1724	215.3 -----	232.4 -----	185.8 ----	248.7 -----
LG 32257	202.2 ---	199.7 -	179.6 ---	225.9 ----
Qualito	223.5 -----	209.7 ----	168.8 -	210.9 --
Bajeno	212.6 ----	205.5 --	180.6 ---	220.5 ----
-Bezugsgrösse(n)	225.0 -----	226.0 -----	185.8 ----	230.9 -----
Versuchs-Mittel	214.4 -----	216.2 -----	187.9 -----	227.5 -----
VK [%]	8.5	5.1	7.2	4.8
KGD (5%)	ns	17.9	22.1	17.8
KGD (1%)	ns	23.9	29.5	23.7
Versuchs-Streuung	18.3	11.0	13.5	10.9
FG Fehlerterm	58.0	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0	3.0

Précocité [% MS] / Fröhreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	35.4 ----	42.1 -----	34.9 -----	41.5 ----	35.5 ----
KWS Milandro	36.9 -----	44.1 -----	35.2 -----	47.1 -----	37.4 -----
Meluseen	35.8 ----	39.0 ----	33.2 ---	41.9 ----	40.4 -----
KWS Adorado	37.6 -----	40.1 ----	37.7 -----	49.5 -----	38.5 -----
SY Opale	33.7 -	37.6 --	32.5 --	40.2 --	36.3 ----
LG 31251	36.7 -----	37.7 ---	35.5 -----	49.5 -----	36.7 ----
Galismo	35.4 ----	40.9 -----	33.7 ----	42.1 ----	37.6 -----
P8317	33.2 -	35.7 -	33.1 ---	39.0 -	32.9 -
Farmirella	33.7 --	40.5 ----	32.1 --	40.5 ---	34.1 --
LG 31281	35.8 -----	41.4 -----	34.7 -----	43.8 -----	35.6 ----
LG 31271	33.3 -	36.4 -	31.9 -	39.4 --	34.0 --
DKC 3464	35.0 ----	40.6 -----	34.7 -----	41.5 ----	35.8 ----
SU Keldeo	35.7 ----	41.9 -----	33.6 ----	40.7 ---	39.3 -----
1084F587-01	35.4 ----	42.4 -----	31.9 -	43.6 -----	39.6 -----
SY Fleming	34.3 ---	38.7 ----	34.4 ----	39.2 --	37.4 -----
KWS Sporco	34.5 ---	37.8 ---	34.0 ----	43.4 ----	35.0 ---
EZ3342	35.9 -----	40.2 ----	35.8 -----	43.6 ----	37.2 -----
EZ3448	36.4 -----	41.6 -----	35.9 -----	42.7 ----	41.2 -----
Menhir	35.7 ----	39.7 ----	32.6 --	44.4 -----	38.8 -----
RH24014	35.5 ----	41.8 -----	35.0 ----	40.7 ---	37.6 -----
Gandolf	34.4 ---	40.7 -----	31.4 -	41.8 ----	37.8 -----
KXC4122	35.1 ----	38.7 ----	34.2 ----	43.8 -----	36.2 ----
1081F781-01	35.3 ----	42.3 -----	34.1 ----	42.3 ----	37.0 -----
P82000	36.3 -----	45.6 -----	34.7 -----	45.3 -----	36.9 ----
LID1033C	34.7 ---	43.6 -----	32.3 --	39.3 --	39.2 -----
SB0874	34.6 ---	37.1 --	33.0 ---	38.2 -	39.6 -----
SB1724	35.2 ----	40.2 ----	34.0 ----	43.7 ----	37.4 -----
LG 32257	36.1 -----	42.6 -----	35.8 -----	43.1 ----	36.3 ----
Qualito	35.6 ----	40.8 -----	34.3 ----	44.0 -----	36.4 ----
Bajeno	38.4 -----	45.1 -----	35.8 -----	49.0 -----	38.8 -----
-Bezugsgrösse(n)	35.6 ----	40.0 ----	33.4 ----	42.0 ----	39.0 -----
Versuchs-Mittel	35.4 ----	40.6 -----	34.1 ----	42.8 ----	37.2 -----
VK [%]	5.6	8.1	9.9	5.7	4.6
KGD (5%)	1.1	5.4	ns	4.0	2.8
KGD (1%)	1.5	ns	ns	5.3	3.8
Versuchs-Streuung	2.0	3.3	3.4	2.4	1.7
FG Fehlerterm	435.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	973.0	29	8.46 ***	1.49	0.0000
Anbauorte	12110.6	7	436.16 ***	2.03	0.0000
WW Verf.*Anb.Orte	1277.6	203	1.59 ns	1.21	
Fehler	1725.5	435			
Insgesamt	16086.6	674			

Précocité [% MS] / Frühreife [% TS]

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	32.6 ----	31.2 -----	33.1 -----	32.5 -----
KWS Milandro	35.1 -----	31.6 -----	32.2 ----	32.6 ----
Meluseen	33.8 -----	31.3 -----	32.4 -----	34.1 -----
KWS Adorado	35.2 -----	32.3 -----	32.9 -----	34.6 -----
SY Opale	31.5 --	28.8 -	30.6 -	31.8 ---
LG 31251	34.4 -----	32.0 -----	33.6 -----	34.0 -----
Galismo	33.8 -----	31.0 -----	31.8 ---	32.8 ----
P8317	32.1 ---	29.9 ----	31.9 ----	31.3 --
Farmirella	30.9 -	30.0 ----	30.4 -	31.6 --
LG 31281	35.3 -----	30.7 -----	32.4 -----	32.9 -----
LG 31271	31.0 -	29.7 ----	31.9 ----	32.2 ----
DKC 3464	33.0 ----	30.7 -----	31.9 ----	31.7 --
SU Keldeo	34.8 -----	30.3 ----	31.8 ---	33.5 -----
1084F587-01	32.6 ----	29.7 ----	31.7 ---	32.0 ---
SY Fleming	32.3 ---	29.1 --	31.1 --	32.2 ----
KWS Sporco	32.2 ---	29.9 ----	31.6 ---	31.8 ---
EZ3342	33.3 ----	30.8 -----	33.3 -----	33.0 -----
EZ3448	34.3 -----	30.1 ----	31.9 ----	33.7 -----
Menhir	34.3 -----	31.2 -----	32.7 -----	32.2 ----
RH24014	34.8 -----	30.9 -----	31.7 ---	31.3 -
Gandolf	31.2 -	28.7 -	32.1 ----	31.7 --
KXC4122	33.7 -----	30.3 ----	31.7 ---	32.2 ----
1081F781-01	32.4 ---	30.2 ----	31.7 ---	32.8 -----
P82000	33.3 ----	30.6 -----	31.1 --	33.2 -----
LID1033C	32.9 ----	28.5 -	30.9 --	30.9 -
SB0874	33.7 -----	29.2 --	32.4 -----	33.9 -----
SB1724	31.4 -	29.7 ----	32.4 -----	32.5 -----
LG 32257	34.8 -----	30.6 -----	32.9 -----	32.5 -----
Qualito	34.5 -----	30.6 -----	32.0 ----	32.1 ---
Bajeno	36.4 -----	32.2 -----	35.2 -----	34.9 -----
-Bezugsgrösse(n)	33.8 -----	31.1 -----	32.1 ----	33.4 -----
Versuchs-Mittel	33.4 ----	30.4 ----	32.1 ----	32.6 ----
VK [%]	2.9	2.2	1.7	2.7
KGD (5%)	1.6	1.1	0.9	1.5
KGD (1%)	2.1	1.5	1.2	1.9
Versuchs-Streuung	1.0	0.7	0.6	0.9
FG Fehlerterm	56.0	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	162.8 ---	185.7 -----	127.6 ---	183.6 ---	181.4 -----
KWS Milandro	159.5 --	190.5 -----	125.7 --	182.2 ---	155.7 -
Meluseen	168.9 -----	171.5 ---	139.6 -----	195.1 -----	183.4 -----
KWS Adorado	164.0 ---	159.0 -	141.2 -----	180.4 --	184.1 -----
SY Opale	160.9 --	159.0 -	140.1 -----	177.9 ---	176.3 -----
LG 31251	167.5 -----	158.6 -	144.5 -----	197.6 -----	178.6 -----
Galismo	169.5 -----	195.2 -----	130.8 ---	186.5 -----	182.7 -----
P8317	160.1 --	166.4 --	123.6 -	192.9 -----	177.3 -----
Farmirella	160.7 --	171.6 ---	124.7 -	188.9 -----	169.1 ---
LG 31281	174.6 -----	200.1 -----	141.0 -----	199.1 -----	186.2 -----
LG 31271	172.9 -----	173.1 ---	140.1 -----	189.6 -----	184.5 -----
DKC 3464	170.9 -----	196.3 -----	142.0 -----	185.4 ---	185.0 -----
SU Keldeo	170.5 -----	203.8 -----	136.8 -----	189.1 -----	184.4 -----
1084F587-01	172.5 -----	198.9 -----	133.4 -----	195.8 -----	196.7 -----
SY Fleming	167.9 -----	182.7 -----	138.8 -----	188.8 -----	190.7 -----
KWS Sporco	169.6 -----	178.3 -----	141.6 -----	195.7 -----	179.5 -----
EZ3342	171.8 -----	181.2 -----	145.8 -----	209.3 -----	179.8 -----
EZ3448	165.8 -----	180.9 -----	146.6 -----	193.3 -----	173.2 ---
Menhir	168.3 -----	172.6 ---	126.2 --	192.1 -----	189.2 -----
RH24014	168.0 -----	197.6 -----	146.4 -----	190.7 -----	177.1 ---
Gandolf	161.2 ---	190.6 -----	136.8 -----	185.1 ---	168.9 ---
KXC4122	169.9 -----	194.2 -----	134.9 -----	204.8 -----	181.6 -----
1081F781-01	159.5 --	182.2 -----	131.6 ---	169.0 -	176.1 -----
P82000	161.3 ---	196.3 -----	137.4 -----	175.4 --	174.3 -----
LID1033C	160.9 --	189.3 -----	122.7 -	170.8 -	180.6 -----
SB0874	168.0 -----	172.5 ---	125.6 --	191.5 -----	201.1 -----
SB1724	174.4 -----	191.1 -----	143.1 -----	211.1 -----	183.9 -----
LG 32257	161.2 ---	186.5 -----	125.8 --	185.1 ---	181.0 -----
Qualito	160.9 --	179.1 -----	139.8 -----	188.0 -----	167.7 ---
Bajeno	157.8 -	177.0 -----	128.6 ---	170.4 -	167.6 ---
-Bezugsgrösse(n)	169.2 -----	183.4 -----	135.2 -----	190.8 -----	183.1 -----
Versuchs-Mittel	166.1 -----	182.7 -----	135.4 -----	188.8 -----	179.9 -----
VK [%]	9.4	9.9	23.2	6.7	7.2
KGD (5%)	8.9	ns	ns	20.6	ns
KGD (1%)	11.7	ns	ns	ns	ns
Versuchs-Streuung	15.7	18.1	31.3	12.6	13.0
FG Fehlerterm	441.0	56.0	43.0	58.0	58.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	18093.9	29	2.55 ***	1.49	0.0004
Anbauorte	226494.6	7	132.07 ***	2.03	0.0000
WW Verf.*Anb.Orte	40620.1	203	0.82 ns	1.21	
Fehler	108043.6	441			
Insgesamt	393252.2	680			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	152.9 ---	163.0 -----	141.0 ----	167.3 ----
KWS Milandro	164.2 -----	166.8 -----	135.4 ---	155.2 -
Meluseen	166.5 -----	169.4 -----	148.1 -----	177.8 -----
KWS Adorado	158.3 ----	165.2 ----	151.6 -----	172.1 ----
SY Opale	158.6 ----	161.2 ----	138.6 ----	175.2 -----
LG 31251	162.0 ----	177.7 -----	153.2 -----	168.1 ----
Galismo	178.8 -----	176.5 -----	134.9 ---	170.3 ----
P8317	154.8 ----	165.9 -----	136.1 ---	163.9 ---
Farmirella	156.1 ----	166.0 -----	134.2 ---	175.3 -----
LG 31281	172.8 -----	175.1 -----	147.7 -----	174.8 -----
LG 31271	165.2 -----	179.6 -----	167.1 -----	183.6 -----
DKC 3464	165.2 -----	177.8 -----	140.2 ----	175.2 -----
SU Keldeo	169.0 -----	169.8 -----	141.1 ----	170.0 ----
1084F587-01	173.8 -----	153.5 -	146.6 -----	181.5 -----
SY Fleming	168.6 -----	162.6 ----	143.1 ----	167.8 ----
KWS Sporco	164.0 ----	170.5 -----	157.5 -----	169.6 ----
EZ3342	161.8 ----	173.4 -----	156.0 -----	167.2 ----
EZ3448	157.6 ----	163.3 ----	141.7 ----	169.9 ----
Menhir	175.0 -----	170.2 -----	147.2 -----	174.0 -----
RH24014	170.0 -----	161.0 ----	138.7 ----	162.0 ---
Gandolf	148.0 --	161.2 ----	134.5 ---	164.4 ---
KXC4122	144.4 -	170.1 -----	153.8 -----	175.2 -----
1081F781-01	157.1 ----	152.1 -	135.0 ---	173.2 -----
P82000	146.2 -	160.4 ----	130.5 --	170.1 ----
LID1033C	160.4 ----	165.5 ----	134.2 ---	164.0 ---
SB0874	164.9 -----	160.0 ---	152.8 -----	175.5 -----
SB1724	158.8 ----	176.4 -----	141.6 ----	189.0 -----
LG 32257	149.8 --	156.4 --	133.3 --	171.4 ----
Qualito	167.2 -----	162.0 ----	126.0 -	157.2 -
Bajeno	158.8 ----	157.9 ---	137.8 ---	164.3 ---
-Bezugsgrösse(n)	172.7 -----	173.0 -----	141.5 ----	174.1 -----
Versuchs-Mittel	161.7 -----	166.3 -----	142.6 -----	170.8 -----
VK [%]	8.8	5.7	7.8	5.5
KGD (5%)	ns	15.6	18.1	15.5
KGD (1%)	ns	ns	24.1	ns
Versuchs-Streuung	14.2	9.5	11.1	9.4
FG Fehlerterm	58.0	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	87.1 ---	103.2 -----	68.3 ----	99.6 ---	103.5 -----
KWS Milandro	85.3 --	104.9 -----	63.0 --	105.5 ----	87.8 -
Meluseen	90.7 -----	95.6 ---	73.4 -----	107.3 -----	109.9 -----
KWS Adorado	89.2 ----	89.1 --	78.1 -----	101.1 ---	107.4 -----
SY Opale	86.1 --	86.3 -	74.4 -----	101.6 ---	97.6 ----
LG 31251	90.4 ----	83.9 -	77.2 -----	112.5 -----	101.1 -----
Galismo	93.3 -----	111.9 -----	67.3 ----	108.5 -----	107.2 -----
P8317	85.6 --	91.2 ---	63.9 --	112.5 -----	104.3 -----
Farmirella	86.1 --	95.4 ----	65.5 ---	107.4 -----	99.9 ----
LG 31281	94.1 -----	117.0 -----	72.0 -----	113.7 -----	106.7 -----
LG 31271	90.8 -----	89.1 --	68.9 ----	103.1 ---	105.2 -----
DKC 3464	91.8 -----	111.7 -----	73.7 -----	109.8 -----	104.3 -----
SU Keldeo	92.5 -----	116.8 -----	73.2 -----	107.9 -----	106.6 -----
1084F587-01	92.1 -----	109.2 -----	69.2 ----	108.9 -----	111.7 -----
SY Fleming	91.0 -----	100.6 -----	71.1 -----	107.0 -----	110.8 -----
KWS Sporco	93.2 -----	100.0 ----	75.4 -----	117.0 -----	107.2 -----
EZ3342	93.7 -----	103.9 -----	81.7 -----	119.8 -----	103.5 -----
EZ3448	90.1 ----	104.3 -----	74.9 -----	107.6 -----	102.7 -----
Menhir	90.1 ----	95.1 ----	60.4 -	106.6 ----	109.0 -----
RH24014	91.5 -----	114.8 -----	81.9 -----	104.9 ----	100.9 ----
Gandolf	87.9 ----	115.0 -----	77.4 -----	105.8 ----	93.9 ---
KXC4122	93.4 -----	114.2 -----	71.5 -----	123.1 -----	105.7 -----
1081F781-01	84.4 -	103.5 -----	67.7 ----	90.6 -	102.5 -----
P82000	85.3 -	112.3 -----	72.2 -----	98.4 --	96.4 ---
LID1033C	85.3 -	108.4 -----	61.2 -	94.2 --	102.1 -----
SB0874	88.2 ----	93.8 ----	64.4 --	103.8 ----	114.7 -----
SB1724	94.8 -----	101.4 -----	76.1 -----	123.8 -----	106.7 -----
LG 32257	87.7 ----	103.5 -----	65.0 ---	105.2 ----	103.7 -----
Qualito	86.1 --	101.1 -----	77.4 -----	101.5 ----	98.7 ----
Bajeno	85.4 --	103.5 -----	73.9 -----	93.8 --	95.1 ---
-Bezugsgrösse(n)	92.0 -----	103.8 -----	70.4 ----	107.9 -----	108.6 -----
Versuchs-Mittel	89.4 ----	102.7 -----	71.3 -----	106.7 ----	103.6 -----
VK [%]	14.7	12.1	44.0	9.8	9.1
KGD (5%)	ns	20.4	ns	17.1	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	13.1	12.5	31.3	10.5	9.4
FG Fehlerterm	441.0	56.0	43.0	58.0	58.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7258.1	29	1.45 ns	1.49	0.0647
Anbauorte	123397.7	7	101.95 ***	2.03	0.0000
WW Verf.*Anb.Orte	22465.1	203	0.64 ns	1.21	
Fehler	76255.7	441			
Insgesamt	229376.6	680			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	78.1 ---	88.0 -----	69.8 ----	85.9 ----
KWS Milandro	83.6 -----	89.5 -----	66.0 ---	82.2 --
Meluseen	88.2 -----	83.9 ----	77.2 -----	90.0 -----
KWS Adorado	85.8 -----	86.1 ----	74.3 -----	92.0 -----
SY Opale	84.9 -----	83.9 -----	70.3 -----	90.1 -----
LG 31251	81.3 ----	95.4 -----	78.5 -----	93.3 -----
Galismo	96.8 -----	94.6 -----	66.0 ---	93.6 -----
P8317	83.3 ----	82.9 ----	65.4 ---	81.4 --
Farmirella	83.0 ----	82.7 ----	65.7 ---	89.0 ----
LG 31281	91.0 -----	89.7 -----	73.8 -----	89.2 ----
LG 31271	88.5 -----	90.6 -----	85.4 -----	95.5 -----
DKC 3464	82.8 ----	88.1 -----	69.6 ----	94.1 -----
SU Keldeo	93.6 -----	85.0 ----	68.7 ----	88.2 ----
1084F587-01	93.4 -----	73.9 -	73.7 -----	96.9 -----
SY Fleming	92.0 -----	86.5 -----	69.7 ----	90.3 -----
KWS Sporco	92.7 -----	85.7 ----	83.3 -----	84.4 ---
EZ3342	85.8 -----	87.0 -----	78.5 -----	89.5 ----
EZ3448	84.0 ----	84.3 ----	69.5 ----	93.4 -----
Menhir	94.2 -----	86.5 ----	78.9 -----	89.8 -----
RH24014	89.9 -----	86.6 ----	70.1 ----	82.6 --
Gandolf	74.8 --	82.3 ----	66.8 ---	87.2 ----
KXC4122	72.9 -	89.3 -----	78.0 -----	92.9 -----
1081F781-01	81.9 ----	76.2 --	65.4 ---	87.4 ----
P82000	72.5 -	79.2 ---	63.5 --	87.7 ----
LID1033C	85.4 -----	83.2 ----	63.3 --	84.4 ---
SB0874	87.5 -----	76.3 --	73.4 -----	91.5 -----
SB1724	84.7 -----	93.1 -----	72.4 ----	100.5 -----
LG 32257	77.1 ---	84.9 -----	68.0 ----	93.9 -----
Qualito	87.3 -----	83.9 ----	60.0 -	79.2 -
Bajeno	83.3 ----	81.0 ----	68.1 ----	84.0 ---
-Bezugsgrösse(n)	92.5 -----	89.3 -----	71.6 ----	91.8 -----
Versuchs-Mittel	85.3 -----	85.3 -----	71.1 ----	89.3 ----
VK [%]	11.1	8.0	9.3	8.9
KGD (5%)	ns	ns	10.8	ns
KGD (1%)	ns	ns	14.4	ns
Versuchs-Streuung	9.5	6.8	6.6	8.0
FG Fehlerterm	58.0	56.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	756.1	729.4	771.9	741.3	745.8
KWS Milandro	747.5	730.0	736.1	759.1	723.2
Meluseen	757.2	728.2	770.8	738.9	770.3
KWS Adorado	759.9	731.9	772.9	752.7	756.0
SY Opale	751.8	730.5	769.0	745.1	721.8
LG 31251	754.8	716.3	766.5	768.3	746.0
Galismo	758.7	753.7	761.3	751.4	758.0
P8317	746.5	716.5	762.6	753.2	752.5
Farmirella	760.7	752.5	774.2	748.7	748.8
LG 31281	755.9	758.5	764.7	763.9	740.8
LG 31271	747.1	716.4	732.0	746.9	726.6
DKC 3464	756.2	748.8	755.1	758.9	735.6
SU Keldeo	760.4	762.2	754.2	760.3	755.9
1084F587-01	755.8	738.9	762.6	754.9	741.3
SY Fleming	754.2	755.4	749.1	744.3	747.4
KWS Sporco	758.2	732.4	755.4	768.3	754.1
EZ3342	751.8	712.3	779.0	760.7	744.2
EZ3448	754.3	741.8	760.1	747.2	759.5
Menhir	747.6	723.2	748.4	744.1	741.5
RH24014	750.5	747.5	763.3	754.7	728.4
Gandolf	760.8	777.1	764.7	759.2	735.4
KXC4122	753.6	754.5	763.0	767.2	731.5
1081F781-01	746.7	733.6	764.9	735.7	736.8
P82000	750.0	737.5	772.3	742.1	716.1
LID1033C	744.3	739.9	753.8	733.1	721.4
SB0874	749.7	730.5	755.3	742.3	746.7
SB1724	750.7	734.7	763.5	746.3	744.0
LG 32257	753.5	746.0	768.8	748.2	739.3
Qualito	749.8	726.3	763.2	746.6	749.2
Bajeno	749.8	752.0	760.5	723.9	737.8
-Bezugsgrösse(n)	758.0	740.9	766.0	745.2	764.2
Versuchs-Mittel	753.1	738.6	761.3	750.2	741.9
VK [%]	3.4	2.7	8.0	2.6	3.1
KGD (5%)	ns	33.2	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	25.5	20.3	60.7	19.4	23.1
FG Fehlerterm	439.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	15571.5	29	0.83 ns	1.49	0.7270
Anbauorte	64120.2	7	14.09 ***	2.03	0.0000
WW Verf.*Anb.Orte	71069.3	203	0.54 ns	1.21	
Fehler	285307.3	439			
Insgesamt	436068.4	678			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	749.1 ----	771.1 -----	776.8 -----	763.1 -----
KWS Milandro	754.7 -----	769.8 -----	748.6 --	758.4 -----
Meluseen	771.8 -----	760.8 ----	763.5 -----	753.8 -----
KWS Adorado	758.4 -----	772.8 -----	771.3 -----	763.4 -----
SY Opale	767.2 -----	759.8 ----	771.9 -----	748.9 ----
LG 31251	748.6 ----	779.1 -----	765.8 -----	747.7 ----
Galismo	763.2 -----	768.4 -----	759.6 -----	754.2 -----
P8317	740.6 --	765.4 -----	747.8 --	733.5 -
Farmirella	748.7 ----	775.7 -----	764.6 -----	772.1 -----
LG 31281	745.7 ---	768.6 -----	755.9 -----	749.5 -----
LG 31271	756.2 -----	775.2 -----	775.8 -----	747.8 -----
DKC 3464	759.6 -----	771.1 -----	756.9 -----	763.4 -----
SU Keldeo	764.0 -----	782.7 -----	750.3 ---	753.2 -----
1084F587-01	767.8 -----	761.0 ----	762.8 -----	757.3 -----
SY Fleming	764.1 -----	785.4 -----	756.7 -----	731.2 -
KWS Sporco	772.7 -----	774.3 -----	765.0 -----	743.6 ----
EZ3342	759.6 -----	764.2 -----	754.2 -----	740.0 ---
EZ3448	747.0 ---	779.8 -----	742.3 -	756.5 -----
Menhir	757.8 -----	752.9 --	769.7 -----	743.0 ---
RH24014	749.4 ----	772.7 -----	750.3 ---	737.6 --
Gandolf	751.4 -----	767.7 -----	766.4 -----	764.2 -----
KXC4122	744.0 --	771.3 -----	756.2 -----	741.3 ---
1081F781-01	759.1 -----	745.8 -	749.2 ---	748.3 -----
P82000	741.0 --	777.4 -----	761.0 -----	752.5 -----
LID1033C	744.4 ---	770.6 -----	746.8 --	744.7 ----
SB0874	763.1 -----	752.0 --	762.1 -----	745.4 ----
SB1724	737.3 -	758.7 ----	761.6 -----	759.6 -----
LG 32257	740.8 --	782.8 -----	742.8 -	758.9 -----
Qualito	748.4 ----	772.7 -----	746.6 --	745.4 ----
Bajeno	746.9 ---	768.1 -----	763.0 -----	745.8 ----
-Bezugsgrösse(n)	767.5 -----	764.6 -----	761.6 -----	754.0 -----
Versuchs-Mittel	754.1 -----	769.3 -----	758.9 -----	750.8 -----
VK [%]	2.0	1.8	2.0	2.2
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	14.9	13.6	15.5	16.6
FG Fehlerterm	56.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	402.8 ----	404.0 ----	413.4 -----	401.7 --	425.7 -----
KWS Milandro	398.0 ---	402.7 ----	368.9 --	439.6 -----	407.4 --
Meluseen	405.1 -----	405.7 ----	405.0 -----	404.6 --	461.2 -----
KWS Adorado	412.8 -----	410.0 ----	427.7 -----	422.3 ----	440.1 -----
SY Opale	401.3 ----	394.4 ---	407.7 -----	425.8 ----	400.4 -
LG 31251	406.3 -----	378.6 --	408.9 -----	437.4 -----	423.5 ----
Galismo	414.8 -----	432.0 -----	392.3 ----	435.7 -----	445.1 -----
P8317	396.6 ---	392.9 ---	394.1 ----	439.7 -----	443.0 -----
Farmirella	405.2 -----	417.1 ----	407.0 -----	425.5 ----	442.6 -----
LG 31281	405.3 -----	442.4 -----	390.8 ----	435.9 -----	425.6 ----
LG 31271	391.0 -	368.3 -	358.5 -	406.4 --	413.2 ---
DKC 3464	403.8 -----	426.8 -----	392.2 ----	448.9 -----	415.3 ----
SU Keldeo	410.2 -----	437.5 -----	404.6 -----	433.2 ----	436.8 -----
1084F587-01	401.1 ----	405.5 ---	395.2 ----	420.5 ---	421.0 ----
SY Fleming	406.5 -----	415.8 ----	383.8 ---	421.5 ----	434.6 -----
KWS Sporco	415.3 -----	411.0 ----	401.6 ----	459.2 -----	451.3 -----
EZ3342	408.4 -----	408.9 ----	436.8 -----	435.5 -----	428.3 ----
EZ3448	407.9 -----	427.2 ----	388.9 ----	416.1 ---	450.0 -----
Menhir	397.5 ---	398.7 ----	355.6 -	412.9 ---	427.9 ----
RH24014	407.3 -----	434.8 -----	427.0 -----	416.7 ----	415.9 ----
Gandolf	412.5 -----	468.6 -----	433.4 -----	434.0 -----	408.1 ---
KXC4122	411.2 -----	444.2 -----	404.6 ----	461.1 -----	425.8 ----
1081F781-01	393.2 --	417.5 ----	393.6 ----	394.6 -	428.8 ----
P82000	393.6 --	422.1 ----	405.2 -----	416.5 ---	395.3 -
LID1033C	391.3 -	423.5 ----	375.5 ---	404.3 --	406.5 --
SB0874	390.9 -	393.6 ---	387.1 ---	401.6 --	425.9 ----
SB1724	406.3 -----	390.8 ---	403.1 ----	436.7 -----	431.4 ----
LG 32257	407.6 -----	414.5 ----	396.8 ----	425.5 ----	423.6 ----
Qualito	399.5 ----	410.2 ----	422.3 -----	402.5 --	440.2 -----
Bajeno	404.7 -----	439.6 -----	436.6 -----	397.1 -	418.9 ----
-Bezugsgrösse(n)	409.9 -----	418.8 -----	398.7 -----	420.2 ----	453.1 -----
Versuchs-Mittel	403.6 -----	414.6 ----	400.6 -----	423.8 ----	427.1 ----
VK [%]	11.3	7.5	30.1	6.6	6.8
KGD (5%)	ns	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	45.7	31.3	120.5	28.1	28.9
FG Fehlerterm	443.0	56.0	43.0	58.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	34978.3	29	0.58 ns	1.49	0.9627
Anbauorte	178258.0	7	12.22 ***	2.03	0.0000
WW Verf.*Anb.Orte	169161.5	203	0.40 ns	1.21	
Fehler	923427.6	443			
Insgesamt	1305825.4	682			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	383.4 ---	417.0 -----	385.0 -----	391.8 -----
KWS Milandro	384.4 ---	412.9 -----	364.5 ---	403.4 -----
Meluseen	408.8 -----	376.4 ---	397.5 -----	381.2 ---
KWS Adorado	410.5 -----	404.0 -----	380.2 ---	408.0 -----
SY Opale	410.3 -----	394.9 -----	392.2 -----	384.7 -----
LG 31251	375.7 --	418.3 -----	392.7 -----	415.1 -----
Galismo	413.5 -----	414.0 -----	371.9 ---	413.9 -----
P8317	399.5 -----	380.9 ---	359.4 --	363.7 -
Farmirella	397.0 -----	386.5 -----	374.3 -----	391.4 -----
LG 31281	392.3 -----	393.8 -----	378.3 -----	383.0 -----
LG 31271	405.2 -----	391.2 -----	397.0 -----	388.5 -----
DKC 3464	380.8 --	381.0 ---	375.2 -----	410.3 -----
SU Keldeo	421.3 -----	390.3 -----	367.8 ---	390.1 -----
1084F587-01	412.5 -----	366.3 --	383.7 -----	404.4 -----
SY Fleming	417.1 -----	417.4 -----	369.0 ---	393.1 -----
KWS Sporco	436.2 -----	389.0 -----	405.6 -----	368.9 --
EZ3342	401.7 -----	384.0 ---	378.4 -----	394.0 -----
EZ3448	398.7 -----	402.4 -----	363.8 --	416.0 -----
Menhir	407.8 -----	383.0 ---	411.3 -----	383.1 ---
RH24014	396.2 -----	414.5 -----	379.6 -----	374.0 ---
Gandolf	380.3 --	391.5 -----	379.1 -----	404.7 -----
KXC4122	372.4 -	405.2 -----	383.2 -----	393.0 -----
1081F781-01	396.1 -----	372.4 ---	364.3 ---	378.1 ---
P82000	368.1 -	383.4 ---	370.3 -----	387.6 -----
LID1033C	397.2 -----	388.1 -----	353.2 -	382.0 ---
SB0874	405.6 -----	358.8 -	366.0 ---	388.5 -----
SB1724	393.9 -----	400.2 -----	389.8 -----	404.3 -----
LG 32257	381.0 --	424.4 -----	379.0 -----	415.5 -----
Qualito	389.0 -----	400.2 -----	355.6 -	376.3 ---
Bajeno	392.6 -----	394.5 -----	377.2 -----	381.5 ---
-Bezugsgrösse(n)	411.2 -----	395.2 -----	384.7 -----	397.5 -----
Versuchs-Mittel	397.6 -----	394.6 -----	378.2 -----	392.3 -----
VK [%]	7.0	6.0	6.6	6.7
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	27.8	23.5	24.9	26.2
FG Fehlerterm	58.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	170.6 ---	176.7 -----	164.8 --	171.8 -----	165.1 ----
KWS Milandro	175.6 -----	181.3 -----	188.5 -----	159.0 -	176.9 -----
Meluseen	174.6 -----	187.5 -----	170.7 ----	178.6 -----	153.0 -
KWS Adorado	172.7 ---	180.1 -----	168.2 ---	171.2 -----	166.4 ----
SY Opale	174.9 -----	185.6 -----	165.7 --	169.4 ----	181.6 -----
LG 31251	175.3 -----	196.9 -----	174.1 ----	158.8 -	172.6 -----
Galismo	172.5 ----	173.0 ----	177.8 -----	168.3 ----	159.6 ---
P8317	177.0 -----	187.6 -----	177.3 -----	160.7 --	153.3 -
Farmirella	171.1 ---	171.2 ----	170.4 ----	164.0 ---	164.7 ----
LG 31281	172.5 ----	161.3 --	173.7 ----	160.4 --	170.9 -----
LG 31271	174.6 -----	189.4 -----	187.8 -----	166.4 ----	168.2 ----
DKC 3464	171.0 ---	172.8 ----	175.8 -----	159.5 --	165.7 ----
SU Keldeo	169.4 --	164.7 ---	177.4 -----	165.7 ----	154.8 -
1084F587-01	172.4 ----	178.7 -----	173.0 ----	169.3 -----	164.8 ----
SY Fleming	171.7 ----	166.1 ---	176.4 -----	170.8 -----	163.6 ----
KWS Sporco	167.5 -	176.3 -----	172.0 ----	156.6 -	154.6 -
EZ3342	174.8 -----	187.0 -----	161.9 -	165.1 ----	167.3 ----
EZ3448	172.8 ----	175.6 ----	180.1 -----	171.5 -----	156.7 --
Menhir	173.4 ----	182.4 -----	183.1 -----	169.4 ----	165.2 ----
RH24014	174.7 -----	171.2 ----	169.2 ---	172.9 -----	173.3 -----
Gandolf	168.9 --	154.2 -	170.7 ----	163.6 ---	178.2 -----
KXC4122	172.7 ----	166.9 ----	175.6 -----	158.7 -	170.0 -----
1081F781-01	178.9 -----	181.6 -----	172.4 ----	181.5 -----	170.6 -----
P82000	179.6 -----	177.1 ----	169.2 ---	174.5 -----	186.1 -----
LID1033C	181.5 -----	176.5 -----	184.6 -----	183.7 -----	179.5 -----
SB0874	177.0 -----	181.1 -----	177.8 -----	175.3 -----	165.5 ----
SB1724	174.7 -----	184.1 -----	171.0 ----	166.5 ----	166.8 ----
LG 32257	175.3 -----	177.3 -----	180.7 -----	170.0 -----	167.5 ----
Qualito	175.1 -----	179.6 -----	172.1 ----	177.4 -----	161.6 ---
Bajeno	173.6 ----	164.6 ---	168.5 ---	180.1 -----	171.5 -----
-Bezugsgrösse(n)	173.5 ----	180.3 -----	174.2 ----	173.5 -----	156.3 --
Versuchs-Mittel	173.9 ----	177.0 -----	174.4 ----	168.7 ----	167.2 -----
VK [%]	7.8	7.1	14.8	7.6	8.9
KGD (5%)	ns	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	13.6	12.6	25.9	12.9	14.9
FG Fehlerterm	441.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6610.0	29	1.24 ns	1.49	0.1870
Anbauorte	11829.8	7	9.18 ***	2.03	0.0000
WW Verf.*Anb.Orte	28443.5	203	0.76 ns	1.21	
Fehler	81208.5	441			
Insgesamt	128091.8	680			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	181.5 -----	164.1 ---	170.4 ---	170.2 --
KWS Milandro	181.0 -----	165.6 ----	180.5 -----	171.7 --
Meluseen	172.5 ---	179.6 -----	172.3 ----	182.4 -----
KWS Adorado	179.6 ----	168.6 ----	174.2 ----	173.1 ---
SY Opale	169.2 -	179.1 -----	168.5 --	180.0 -----
LG 31251	180.1 -----	169.1 ----	173.3 ----	177.8 ----
Galismo	175.9 ----	173.2 -----	179.3 -----	172.9 ---
P8317	182.3 -----	174.6 -----	186.3 -----	193.6 -----
Farmirella	179.7 ----	168.9 ----	180.2 -----	169.9 --
LG 31281	184.7 -----	175.3 -----	177.3 ----	176.6 ----
LG 31271	171.7 --	166.1 ----	170.5 ---	176.4 ----
DKC 3464	177.1 ----	170.7 ----	179.2 -----	166.9 -
SU Keldeo	169.6 --	165.5 ----	180.5 -----	177.2 ----
1084F587-01	170.3 --	176.9 -----	175.1 ----	170.7 --
SY Fleming	176.5 ----	156.5 -	181.3 -----	182.4 -----
KWS Sporco	166.9 -	164.2 ---	167.2 -	182.4 -----
EZ3342	176.6 ----	176.2 -----	178.2 -----	185.7 -----
EZ3448	181.3 -----	163.3 ---	185.7 -----	168.5 -
Menhir	167.3 -	172.4 -----	166.1 -	181.0 -----
RH24014	180.1 -----	167.0 ----	181.2 -----	183.0 -----
Gandolf	178.0 ----	167.2 ----	171.4 ---	167.9 -
KXC4122	183.4 -----	168.3 ----	178.3 -----	180.1 -----
1081F781-01	172.7 ---	182.3 -----	184.0 -----	185.9 -----
P82000	193.5 -----	174.6 -----	177.3 ----	184.8 -----
LID1033C	182.6 -----	175.2 -----	186.1 -----	183.5 -----
SB0874	174.2 ---	183.5 -----	177.6 ----	181.1 -----
SB1724	182.1 -----	177.1 -----	175.6 ----	174.4 ---
LG 32257	187.1 -----	164.5 ----	182.6 -----	173.1 ---
Qualito	174.7 ----	168.4 ----	184.4 -----	182.8 -----
Bajeno	174.6 ---	173.2 -----	171.6 ---	184.9 -----
-Bezugsgrösse(n)	174.2 ---	176.4 -----	175.8 ----	177.6 ----
Versuchs-Mittel	177.6 -----	171.0 -----	177.2 -----	178.0 -----
VK [%]	5.7	5.1	5.2	6.0
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	10.1	8.8	9.2	10.7
FG Fehlerterm	58.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	386.5 ----	401.0 -----	376.2 ---	395.3 -----	388.8 -----
KWS Milandro	394.0 -----	400.0 -----	409.3 -----	375.1 ----	407.6 -----
Meluseen	386.8 ----	404.2 -----	382.5 ----	394.3 -----	357.9 -
KWS Adorado	381.2 -	394.3 -----	374.6 --	382.5 ----	369.8 ---
SY Opale	391.5 -----	404.7 -----	376.5 ---	392.8 -----	412.5 -----
LG 31251	386.8 ----	413.6 -----	380.1 ---	369.8 ---	384.0 ----
Galismo	382.4 --	378.5 ----	391.4 ----	383.6 -----	357.2 -
P8317	395.3 -----	414.4 -----	387.0 ----	377.2 ----	379.4 ----
Farmirella	381.5 -	384.3 -----	375.6 --	378.7 -----	373.7 ---
LG 31281	384.6 ---	369.4 ----	380.6 ---	368.1 ---	384.5 -----
LG 31271	394.7 -----	416.6 -----	419.0 -----	389.8 -----	402.7 -----
DKC 3464	387.3 -----	389.1 -----	393.4 -----	367.5 --	398.5 -----
SU Keldeo	384.0 ---	376.6 ----	386.6 ----	374.0 ----	380.8 ----
1084F587-01	387.4 ----	399.4 -----	387.0 ----	377.0 ----	385.2 ----
SY Fleming	391.2 -----	387.6 -----	396.6 -----	397.8 -----	388.4 -----
KWS Sporco	381.7 -	397.7 -----	386.9 ----	358.9 -	376.0 ----
EZ3342	391.3 -----	415.3 -----	365.7 -	375.2 ----	389.4 -----
EZ3448	389.6 -----	389.5 -----	400.6 -----	381.3 ----	374.3 ---
Menhir	392.5 -----	406.4 -----	405.2 -----	385.3 -----	391.9 -----
RH24014	391.8 -----	382.7 -----	381.8 ----	384.3 -----	403.9 -----
Gandolf	380.1 -	348.4 -	379.1 ---	371.8 ---	397.3 -----
KXC4122	384.8 ---	373.6 ----	386.6 ----	361.8 -	394.5 -----
1081F781-01	395.1 -----	391.0 -----	387.8 ----	401.8 -----	397.2 -----
P82000	392.8 -----	389.5 -----	378.0 ---	390.4 -----	418.1 -----
LID1033C	398.3 -----	394.5 -----	398.6 -----	398.2 -----	411.6 -----
SB0874	393.7 -----	408.6 -----	391.5 ----	393.4 -----	377.8 ----
SB1724	389.3 -----	408.2 -----	381.4 ----	382.9 -----	384.5 ----
LG 32257	388.7 ----	395.6 -----	385.1 ----	384.7 -----	396.4 -----
Qualito	390.9 -----	408.4 -----	373.9 --	391.0 -----	376.7 ----
Bajeno	388.9 ----	376.4 ----	371.2 --	407.0 -----	395.2 -----
-Bezugsgrösse(n)	384.6 ---	391.4 -----	387.0 ----	388.9 -----	357.6 -
Versuchs-Mittel	388.8 -----	394.0 -----	386.3 ----	383.1 -----	388.5 -----
VK [%]	6.2	5.7	13.5	5.5	6.1
KGD (5%)	ns	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	24.2	22.5	52.2	21.0	23.6
FG Fehlerterm	441.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16195.6	29	0.95 ns	1.49	0.5431
Anbauorte	14858.0	7	3.61 ***	2.03	0.0008
WW Verf.*Anb.Orte	85214.7	203	0.71 ns	1.21	
Fehler	259278.9	441			
Insgesamt	375547.2	680			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	398.3 -----	371.7 ---	379.3 --	381.5 ---
KWS Milandro	391.8 -----	377.0 ----	405.6 -----	385.6 ----
Meluseen	381.6 ----	392.0 -----	385.1 ----	397.2 -----
KWS Adorado	387.3 -----	373.3 ---	385.5 ----	381.9 ---
SY Opale	374.8 ---	388.3 -----	382.7 ---	399.4 -----
LG 31251	399.1 -----	372.3 ---	382.2 ---	393.4 -----
Galismo	380.4 ----	379.4 ----	396.6 -----	391.7 ----
P8317	398.0 -----	386.4 -----	408.2 -----	411.9 -----
Farmirella	395.2 -----	378.6 ----	392.9 -----	373.1 -
LG 31281	399.3 -----	383.3 -----	396.6 -----	395.2 -----
LG 31271	385.0 ----	372.2 ---	377.1 --	395.1 -----
DKC 3464	388.5 -----	385.1 -----	395.9 -----	380.5 --
SU Keldeo	376.7 ---	376.9 ---	408.7 -----	391.5 ----
1084F587-01	378.2 ---	396.1 -----	390.8 ----	385.4 ----
SY Fleming	378.8 ----	364.0 -	402.1 -----	414.1 -----
KWS Sporco	366.9 -	380.6 ----	382.8 ---	403.5 -----
EZ3342	391.0 -----	389.9 -----	398.5 -----	405.2 -----
EZ3448	397.8 -----	376.2 ----	412.5 -----	384.5 ---
Menhir	380.5 ----	396.2 -----	373.6 -	401.1 -----
RH24014	395.0 -----	376.1 ----	398.9 -----	411.3 -----
Gandolf	397.3 -----	380.2 ----	386.3 ----	380.5 --
KXC4122	398.6 -----	373.6 ---	392.3 ----	397.2 -----
1081F781-01	386.8 ----	398.8 -----	398.9 -----	398.9 -----
P82000	407.1 -----	379.4 ----	389.6 ----	390.5 ----
LID1033C	399.8 -----	380.6 ----	405.1 -----	397.7 -----
SB0874	382.5 ----	403.9 -----	390.7 ----	401.2 -----
SB1724	399.8 -----	392.4 -----	382.8 ---	382.0 ---
LG 32257	401.9 -----	366.3 -	404.0 -----	375.2 -
Qualito	392.7 -----	375.4 ---	408.5 -----	400.9 -----
Bajeno	392.1 -----	379.5 ----	391.5 ----	397.9 -----
-Bezugsgrösse(n)	381.0 ----	385.7 -----	390.8 ----	394.4 -----
Versuchs-Mittel	390.1 -----	381.5 ----	393.5 -----	393.5 -----
VK [%]	4.2	3.5	4.1	4.4
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	16.2	13.4	16.0	17.5
FG Fehlerterm	58.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	198.8 ---	209.4 -----	189.2 --	204.4 -----	194.6 ----
KWS Milandro	205.5 -----	215.5 -----	218.9 -----	187.3 --	209.3 -----
Meluseen	202.9 -----	218.9 -----	196.5 ----	213.3 -----	180.2 -
KWS Adorado	200.4 ---	211.9 -----	192.8 ---	201.2 -----	195.0 ----
SY Opale	203.2 -----	217.8 -----	189.3 --	199.7 -----	213.9 -----
LG 31251	204.1 -----	231.6 -----	198.9 ----	188.1 ---	203.9 -----
Galismo	200.1 ----	201.3 ----	203.9 -----	198.7 -----	189.0 ---
P8317	206.9 -----	223.6 -----	204.1 -----	189.7 ---	182.5 -
Farmirella	198.9 ---	199.9 ----	195.8 ----	195.8 -----	194.2 ----
LG 31281	202.0 -----	191.2 ---	202.4 -----	189.2 ---	202.5 -----
LG 31271	204.3 -----	224.6 -----	220.9 -----	195.8 -----	199.4 -----
DKC 3464	198.7 ---	201.1 ----	201.9 -----	186.2 --	196.2 -----
SU Keldeo	196.3 -	190.7 --	206.0 -----	193.5 ----	182.5 -
1084F587-01	201.1 -----	210.6 -----	202.9 -----	197.8 -----	196.4 -----
SY Fleming	200.3 ----	194.5 ---	208.5 -----	200.6 -----	192.4 ----
KWS Sporco	195.3 -	207.2 -----	202.2 ----	181.8 -	183.9 --
EZ3342	202.5 -----	222.7 -----	185.0 -	192.1 ----	194.6 ----
EZ3448	202.5 -----	210.0 -----	206.5 -----	203.2 -----	183.5 -
Menhir	203.6 -----	218.5 -----	213.7 -----	200.4 -----	194.5 ----
RH24014	203.2 -----	200.4 ----	196.0 ----	202.1 -----	203.6 -----
Gandolf	195.9 -	181.3 -	197.9 ----	189.5 ---	207.0 -----
KXC4122	201.4 -----	195.1 ---	202.3 -----	184.6 -	201.0 -----
1081F781-01	207.4 -----	211.6 -----	199.0 -----	210.5 -----	199.1 -----
P82000	207.5 -----	209.1 -----	193.7 ---	202.0 -----	217.4 -----
LID1033C	210.2 -----	204.2 ----	211.9 -----	212.3 -----	212.8 -----
SB0874	206.5 -----	211.4 -----	206.7 -----	203.8 -----	196.0 ----
SB1724	204.4 -----	216.5 -----	197.8 ----	194.9 -----	195.9 -----
LG 32257	203.2 -----	207.5 -----	205.4 -----	197.2 -----	195.4 -----
Qualito	204.5 -----	212.2 -----	200.4 ----	206.4 -----	190.7 ---
Bajeno	203.1 -----	195.0 ---	194.5 ---	212.7 -----	201.0 -----
-Bezugsgrösse(n)	201.5 -----	210.1 -----	200.2 -----	206.0 -----	184.6 --
Versuchs-Mittel	202.5 -----	208.2 -----	201.5 -----	197.8 -----	197.0 -----
VK [%]	8.8	7.5	18.7	7.9	8.9
KGD (5%)	ns	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	17.8	15.6	37.7	15.7	17.5
FG Fehlerterm	441.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8739.3	29	0.95 ns	1.49	0.5447
Anbauorte	15623.7	7	7.03 ***	2.03	0.0000
WW Verf.*Anb.Orte	43351.5	203	0.67 ns	1.21	
Fehler	140058.6	441			
Insgesamt	207773.1	680			

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

Verfahren	5643 Alikon AG		8046 Reckenholz ZH		8193 Eglisau ZH		8566 Ellighausen TG	
P8086	210.8	-----	190.6	----	193.6	-	198.0	--
KWS Milandro	210.2	-----	191.9	-----	211.3	-----	199.5	--
Meluseen	196.5	--	208.0	-----	199.1	---	210.9	-----
KWS Adorado	208.2	-----	192.9	----	200.3	----	200.8	---
SY Opale	197.3	--	205.1	-----	193.3	-	209.5	-----
LG 31251	212.2	-----	192.9	----	200.2	----	205.0	----
Galismo	202.9	----	198.1	-----	206.1	-----	201.0	---
P8317	214.7	-----	202.6	-----	212.7	-----	225.6	-----
Farmirella	208.6	-----	194.7	----	205.0	-----	197.1	-
LG 31281	214.4	-----	199.1	-----	206.4	-----	210.4	-----
LG 31271	199.6	---	189.4	----	195.8	--	208.7	----
DKC 3464	206.2	-----	194.7	----	207.9	-----	195.7	-
SU Keldeo	195.0	--	185.8	---	209.6	-----	207.3	----
1084F587-01	198.3	---	202.4	-----	200.6	----	200.0	--
SY Fleming	203.5	----	177.1	-	209.7	-----	216.4	-----
KWS Sporco	191.9	-	187.3	---	194.7	-	213.2	-----
EZ3342	205.6	-----	200.5	-----	204.8	-----	214.7	-----
EZ3448	213.9	-----	186.8	---	217.2	-----	198.6	--
Menhir	197.0	--	200.2	-----	192.8	-	211.7	-----
RH24014	209.7	-----	190.5	----	208.8	-----	214.3	-----
Gandolf	206.9	-----	192.9	----	197.2	--	194.4	-
KXC4122	214.8	-----	195.5	-----	204.7	----	213.2	-----
1081F781-01	200.7	---	212.8	-----	212.0	-----	213.9	-----
P82000	224.2	-----	197.3	-----	204.2	----	212.5	-----
LID1033C	211.3	-----	200.0	-----	215.9	-----	213.2	-----
SB0874	200.7	---	213.7	-----	209.8	-----	210.3	-----
SB1724	214.5	-----	206.7	-----	206.4	-----	202.8	---
LG 32257	217.8	-----	186.9	---	213.4	-----	201.7	---
Qualito	205.6	-----	194.2	----	214.1	-----	212.6	-----
Bajeno	206.8	-----	199.1	-----	198.6	---	217.4	-----
-Bezugsgrösse(n)	199.7	---	203.1	-----	202.6	----	205.9	----
Versuchs-Mittel	206.7	-----	196.3	-----	204.9	-----	207.7	-----
VK [%]	6.3		5.3		5.7		6.4	
KGD (5%)	ns		17.0		ns		ns	
KGD (1%)	ns		ns		ns		ns	
Versuchs-Streuung	13.1		10.4		11.7		13.4	
FG Fehlerterm	58.0		56.0		58.0		58.0	
Anz. Beob.	3.0		3.0		3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	19.3 ---	21.2 -----	17.8 --	20.0 -----	19.4 ---
KWS Milandro	19.8 -----	21.7 -----	21.1 -----	18.5 --	21.0 -----
Meluseen	19.4 ----	21.6 -----	17.4 -	21.5 -----	18.0 -
KWS Adorado	19.5 ----	22.6 -----	18.2 --	20.5 -----	19.5 ---
SY Opale	19.6 ----	21.3 -----	17.5 -	20.5 -----	23.0 -----
LG 31251	19.2 ---	23.1 -----	17.5 -	18.0 -	19.9 ---
Galismo	19.2 ---	19.4 ---	18.6 ----	20.5 -----	20.6 ----
P8317	20.3 -----	22.7 -----	19.2 ----	20.3 -----	19.3 ---
Farmirella	19.1 ---	19.6 ----	17.6 -	20.7 -----	20.8 -----
LG 31281	19.5 ----	18.8 --	19.0 ----	19.4 ----	21.4 -----
LG 31271	20.0 -----	23.0 -----	21.1 -----	19.2 ---	21.4 -----
DKC 3464	19.0 --	19.7 ----	18.7 ----	18.8 ---	20.4 ----
SU Keldeo	18.8 -	18.2 -	20.6 -----	18.3 --	19.0 --
1084F587-01	19.6 ----	19.9 ----	19.5 ----	19.8 ----	20.9 -----
SY Fleming	19.9 -----	19.3 ---	21.4 -----	20.3 -----	21.3 -----
KWS Sporco	19.1 --	20.6 ----	19.6 ----	18.6 --	19.2 ---
EZ3342	19.7 -----	22.9 -----	18.0 --	19.1 ----	20.7 ----
EZ3448	19.4 ----	20.5 ----	17.5 -	20.9 -----	19.3 ---
Menhir	20.1 -----	22.5 -----	20.0 -----	21.5 -----	19.7 ---
RH24014	19.5 ----	20.1 ----	18.6 ----	19.6 ----	20.8 -----
Gandolf	18.7 -	19.0 --	17.6 -	19.5 ----	20.3 ----
KXC4122	19.8 -----	20.1 ----	18.4 ---	18.6 --	21.5 -----
1081F781-01	20.3 -----	22.4 -----	17.6 -	21.0 -----	21.7 -----
P82000	20.2 -----	21.4 -----	18.3 ---	20.1 -----	22.7 -----
LID1033C	20.7 -----	20.8 ----	18.9 ----	21.2 -----	23.6 -----
SB0874	20.2 -----	21.5 -----	19.4 -----	19.0 ----	22.3 -----
SB1724	20.4 -----	22.2 -----	19.1 ----	20.5 -----	20.9 ----
LG 32257	19.8 ----	19.9 ----	18.5 ---	19.6 ----	21.5 -----
Qualito	20.2 -----	21.2 -----	19.8 -----	19.8 ----	20.9 ----
Bajeno	20.2 -----	19.5 ---	20.0 -----	21.0 -----	21.5 -----
-Bezugsgrösse(n)	19.3 ----	20.5 ----	18.0 --	21.0 -----	19.3 ---
Versuchs-Mittel	19.7 -----	20.9 -----	18.9 ----	19.9 -----	20.7 -----
VK [%]	13.7	7.5	37.3	9.0	9.9
KGD (5%)	ns	2.6	ns	ns	ns
KGD (1%)	ns	3.4	ns	ns	ns
Versuchs-Streuung	2.7	1.6	7.0	1.8	2.0
FG Fehlerterm	443.0	56.0	43.0	58.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	180.5	29	0.86 ns	1.49	0.6752
Anbauorte	466.2	7	9.23 ***	2.03	0.0000
WW Verf.*Anb.Orte	601.3	203	0.41 ns	1.21	
Fehler	3197.6	443			
Insgesamt	4445.5	682			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	19.8 ----	19.2 -----	17.2 -	19.6 ----
KWS Milandro	19.9 -----	17.7 ---	19.3 -----	19.0 ---
Meluseen	18.5 -	19.4 -----	19.0 -----	19.7 -----
KWS Adorado	19.4 ----	18.0 ---	18.0 ---	19.5 ----
SY Opale	19.9 -----	18.2 ---	17.2 -	19.7 -----
LG 31251	20.3 -----	17.2 -	18.4 ----	19.2 ----
Galismo	19.8 ----	18.1 ---	18.1 ---	18.8 ---
P8317	21.4 -----	19.0 -----	19.6 -----	21.0 -----
Farmirella	20.4 -----	17.5 --	18.2 ---	18.2 -
LG 31281	19.6 ----	18.4 ----	19.1 -----	20.1 -----
LG 31271	19.3 ----	18.1 ----	17.6 --	20.5 -----
DKC 3464	19.3 ----	17.9 ---	18.2 ----	18.9 ---
SU Keldeo	18.4 -	16.9 -	18.9 -----	19.7 -----
1084F587-01	19.2 ---	18.8 -----	18.4 ----	20.3 -----
SY Fleming	19.5 ----	17.2 --	19.6 -----	20.5 -----
KWS Sporco	18.6 -	17.3 --	18.8 ----	20.0 -----
EZ3342	19.4 ----	18.3 ----	19.4 -----	20.1 -----
EZ3448	20.3 -----	17.7 ---	20.4 -----	19.0 ---
Menhir	19.4 ----	19.1 -----	18.5 ----	19.8 -----
RH24014	19.7 ----	18.5 ----	19.5 -----	19.4 ----
Gandolf	18.9 --	18.6 ----	17.5 --	18.3 -
KXC4122	21.0 -----	18.9 -----	19.7 -----	20.5 -----
1081F781-01	20.0 ----	20.2 -----	19.9 -----	19.7 -----
P82000	20.6 -----	18.6 ----	19.8 -----	19.9 -----
LID1033C	20.9 -----	19.7 -----	20.6 -----	19.9 -----
SB0874	18.6 -	20.5 -----	20.5 -----	19.7 -----
SB1724	21.3 -----	20.4 -----	19.8 -----	19.3 ----
LG 32257	20.9 -----	17.6 ---	19.9 -----	20.5 -----
Qualito	19.4 ----	19.0 ----	19.9 -----	21.2 -----
Bajeno	20.3 -----	19.1 -----	18.7 ----	21.1 -----
-Bezugsgrösse(n)	19.1 ---	18.8 -----	18.5 -----	19.2 ----
Versuchs-Mittel	19.8 ----	18.5 ----	19.0 -----	19.8 -----
VK [%]	8.1	8.0	6.9	8.0
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	1.6	1.5	1.3	1.6
FG Fehlerterm	58.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	79.0 -----	76.8 -----	80.3 -----	78.9 -----	75.6 -----
KWS Milandro	75.8 ----	75.6 -----	75.3 ----	72.2 --	70.6 -
Meluseen	74.2 -	71.7 -	75.1 ----	74.7 ----	73.3 ----
KWS Adorado	75.9 ----	74.7 -----	74.9 ----	73.7 --	76.9 -----
SY Opale	76.6 ----	76.2 -----	77.5 -----	73.8 --	75.0 -----
LG 31251	74.5 -	73.5 ----	75.6 ----	72.0 -	71.6 ---
Galismo	76.4 ----	72.1 --	72.9 --	76.8 -----	78.6 -----
P8317	76.2 ----	72.6 ---	75.7 ----	77.1 -----	75.0 -----
Farmirella	79.1 -----	76.9 -----	76.4 ----	82.0 -----	76.5 -----
LG 31281	75.2 ---	74.7 -----	77.4 -----	76.1 -----	72.1 ---
LG 31271	75.8 ----	75.1 -----	71.0 -	74.7 ----	73.1 ----
DKC 3464	76.8 -----	73.3 ----	76.2 ----	74.7 ----	73.9 ----
SU Keldeo	75.5 ---	72.7 ---	75.3 ----	75.0 ----	74.6 -----
1084F587-01	76.7 -----	73.3 ----	76.7 -----	74.4 ----	73.9 ----
SY Fleming	75.7 ----	76.6 -----	77.4 -----	71.7 -	73.9 ----
KWS Sporco	76.7 -----	71.7 --	76.2 ----	76.8 -----	74.4 -----
EZ3342	75.2 ---	72.9 ---	75.2 ----	73.0 --	73.0 ----
EZ3448	75.0 --	71.3 -	72.2 --	79.3 -----	74.5 -----
Menhir	76.9 -----	75.3 -----	76.9 -----	75.8 -----	72.5 ----
RH24014	75.3 ---	72.4 ---	76.3 ----	73.9 ---	72.0 ---
Gandolf	78.3 -----	77.5 -----	76.9 -----	76.1 -----	76.7 -----
KXC4122	76.4 ----	75.1 -----	76.8 -----	72.0 -	73.5 ----
1081F781-01	76.2 ----	73.6 ----	77.4 -----	75.6 ----	72.9 ----
P82000	76.6 ----	72.9 ---	82.3 -----	71.5 -	73.9 ----
LID1033C	75.7 ----	75.0 -----	77.2 -----	71.1 -	69.9 -
SB0874	76.0 ----	76.4 -----	76.0 ----	76.7 -----	73.8 ----
SB1724	75.9 ----	72.7 ---	76.9 -----	76.8 -----	74.4 -----
LG 32257	75.3 ---	71.2 -	74.8 ----	74.2 ---	74.7 -----
Qualito	75.9 ----	74.5 -----	77.5 -----	73.5 ---	73.5 ----
Bajeno	75.4 ---	75.1 -----	77.7 -----	71.4 -	71.7 ---
-Bezugsgrösse(n)	75.3 ---	71.9 --	74.0 ---	75.8 -----	75.9 -----
Versuchs-Mittel	76.1 ----	74.1 -----	76.3 ----	74.8 ----	73.9 ----
VK [%]	5.9	4.3	13.4	4.0	4.0
KGD (5%)	2.5	ns	ns	4.9	ns
KGD (1%)	ns	ns	ns	6.5	ns
Versuchs-Streuung	4.5	3.2	10.2	3.0	3.0
FG Fehlerterm	439.0	58.0	41.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	875.9	29	1.52 *	1.49	0.0425
Anbauorte	2668.9	7	19.21 ***	2.03	0.0000
WW Verf.*Anb.Orte	2404.4	203	0.60 ns	1.21	
Fehler	8714.3	439			
Insgesamt	14663.5	678			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	78.0 -----	81.9 -----	81.3 -----	78.9 -----
KWS Milandro	73.3 -	81.3 -----	80.3 -----	77.8 -----
Meluseen	76.7 ----	77.3 --	74.5 -	70.4 --
KWS Adorado	73.0 -	78.7 ---	77.8 -----	77.5 -----
SY Opale	80.7 -----	78.0 ---	78.6 -----	72.8 ----
LG 31251	77.2 ----	77.5 ---	76.0 ---	72.3 ---
Galismo	78.2 -----	81.6 -----	78.3 -----	72.7 ----
P8317	75.9 ----	80.3 -----	75.2 --	77.7 -----
Farmirella	77.9 -----	81.7 -----	79.2 -----	82.5 -----
LG 31281	73.8 -	76.0 -	75.2 --	76.1 -----
LG 31271	78.6 -----	82.9 -----	76.9 ---	74.2 ----
DKC 3464	78.1 -----	81.1 -----	79.5 -----	77.8 -----
SU Keldeo	78.3 -----	78.9 ----	74.2 -	74.6 ----
1084F587-01	80.0 -----	79.7 ----	77.7 -----	78.3 -----
SY Fleming	78.9 -----	82.0 -----	76.9 ---	68.6 -
KWS Sporco	79.5 -----	81.7 -----	75.9 ---	77.1 -----
EZ3342	78.0 -----	80.4 -----	77.6 ----	71.6 ---
EZ3448	75.4 ---	79.4 ----	74.7 -	73.3 ----
Menhir	82.5 -----	80.6 -----	77.0 ----	74.5 ----
RH24014	75.5 ---	81.9 -----	76.7 ----	73.6 ----
Gandolf	79.6 -----	82.7 -----	78.1 -----	78.7 -----
KXC4122	75.5 ---	80.4 -----	80.9 -----	77.1 -----
1081F781-01	77.0 ----	78.3 ----	79.7 -----	74.9 ----
P82000	77.0 ----	80.8 -----	79.2 -----	75.2 ----
LID1033C	75.8 ----	80.2 -----	77.5 ----	78.5 -----
SB0874	76.5 ----	79.4 -----	76.7 ----	72.7 ----
SB1724	76.0 ----	77.1 --	79.4 -----	74.0 ----
LG 32257	75.8 ----	80.1 -----	76.8 ----	74.5 ----
Qualito	77.3 ----	79.5 -----	75.4 --	75.9 -----
Bajeno	76.3 ----	78.4 ----	78.3 -----	74.0 ----
-Bezugsgrösse(n)	77.5 ----	79.5 -----	76.4 ----	71.5 ---
Versuchs-Mittel	77.2 ----	80.0 -----	77.5 ----	75.3 ----
VK [%]	5.1	4.1	4.7	4.2
KGD (5%)	ns	ns	ns	5.2
KGD (1%)	ns	ns	ns	6.9
Versuchs-Streuung	3.9	3.3	3.6	3.2
FG Fehlerterm	56.0	58.0	56.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	7.0 -----	6.7 ---	7.2 -----	6.8 ----	6.9 -----
KWS Milandro	6.9 --	6.7 ---	6.8 --	7.0 -----	6.6 --
Meluseen	7.0 -----	6.7 ---	7.2 -----	6.8 ----	7.1 -----
KWS Adorado	7.0 -----	6.7 ---	7.2 -----	6.9 -----	7.0 -----
SY Opale	6.9 ----	6.7 ---	7.1 -----	6.9 ----	6.6 --
LG 31251	7.0 -----	6.5 -	7.1 -----	7.1 -----	6.9 -----
Galismo	7.0 -----	7.0 -----	7.0 -----	6.9 -----	7.0 -----
P8317	6.9 --	6.5 -	7.1 -----	6.9 -----	6.9 -----
Farmirella	7.0 -----	6.9 -----	7.2 -----	6.9 -----	6.9 -----
LG 31281	7.0 -----	7.0 -----	7.1 -----	7.1 -----	6.8 ----
LG 31271	6.9 --	6.5 -	6.7 -	6.9 -----	6.7 ---
DKC 3464	7.0 -----	6.9 -----	7.0 -----	7.0 -----	6.7 ----
SU Keldeo	7.0 -----	7.1 -----	7.0 ----	7.0 -----	7.0 -----
1084F587-01	7.0 -----	6.8 ----	7.1 -----	7.0 -----	6.8 ----
SY Fleming	7.0 -----	7.0 -----	6.9 ----	6.8 ----	6.9 -----
KWS Sporco	7.0 -----	6.7 ----	7.0 -----	7.1 -----	7.0 -----
EZ3342	6.9 ----	6.5 -	7.2 -----	7.0 -----	6.8 -----
EZ3448	7.0 -----	6.8 ----	7.0 -----	6.9 -----	7.0 -----
Menhir	6.9 ---	6.6 --	6.9 ----	6.8 ----	6.8 -----
RH24014	6.9 ----	6.9 -----	7.1 -----	7.0 -----	6.7 ---
Gandolf	7.0 -----	7.2 -----	7.1 -----	7.0 -----	6.8 ----
KXC4122	7.0 -----	7.0 -----	7.1 -----	7.1 -----	6.7 ---
1081F781-01	6.9 --	6.7 ----	7.1 -----	6.8 --	6.8 ----
P82000	6.9 ----	6.8 ----	7.2 -----	6.8 ----	6.5 -
LID1033C	6.9 -	6.8 -----	7.0 ----	6.7 ---	6.6 --
SB0874	6.9 ----	6.7 ---	7.0 -----	6.8 ----	6.9 -----
SB1724	6.9 ----	6.7 ----	7.1 -----	6.9 -----	6.8 -----
LG 32257	7.0 -----	6.9 -----	7.1 -----	6.9 -----	6.8 -----
Qualito	6.9 ----	6.6 ---	7.1 -----	6.9 -----	6.9 -----
Bajeno	6.9 ----	6.9 -----	7.0 -----	6.6 -	6.8 -----
-Bezugsgrösse(n)	7.0 -----	6.8 ----	7.1 -----	6.9 ----	7.1 -----
Versuchs-Mittel	7.0 -----	6.8 ----	7.0 -----	6.9 -----	6.8 -----
VK [%]	4.2	3.4	9.9	3.2	3.8
KGD (5%)	ns	0.4	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	0.3	0.2	0.7	0.2	0.3
FG Fehlerterm	439.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2.0	29	0.82 ns	1.49	0.7364
Anbauorte	8.5	7	14.37 ***	2.03	0.0000
WW Verf.*Anb.Orte	9.0	203	0.53 ns	1.21	
Fehler	37.0	439			
Insgesamt	56.5	678			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	6.9 ----	7.2 -----	7.2 -----	7.1 -----
KWS Milandro	7.0 -----	7.1 -----	6.9 --	7.0 -----
Meluseen	7.2 -----	7.0 ----	7.1 -----	7.0 -----
KWS Adorado	7.0 -----	7.2 -----	7.2 -----	7.1 -----
SY Opale	7.1 -----	7.0 ----	7.2 -----	6.9 ----
LG 31251	6.9 ----	7.2 -----	7.1 -----	6.9 ----
Galismo	7.1 -----	7.1 -----	7.0 -----	7.0 -----
P8317	6.8 --	7.1 -----	6.9 --	6.7 -
Farmirella	6.9 ----	7.2 -----	7.1 -----	7.2 -----
LG 31281	6.9 ---	7.1 -----	7.0 ----	6.9 ----
LG 31271	7.0 -----	7.2 -----	7.2 -----	6.9 ----
DKC 3464	7.0 -----	7.2 -----	7.0 ----	7.1 -----
SU Keldeo	7.1 -----	7.3 -----	6.9 ---	7.0 ----
1084F587-01	7.1 -----	7.0 ----	7.1 -----	7.0 -----
SY Fleming	7.1 -----	7.3 -----	7.0 ----	6.7 -
KWS Sporco	7.2 -----	7.2 -----	7.1 -----	6.8 ----
EZ3342	7.0 -----	7.1 ----	7.0 ----	6.8 ---
EZ3448	6.9 ---	7.3 -----	6.8 -	7.0 -----
Menhir	7.0 -----	7.0 --	7.1 -----	6.8 ---
RH24014	6.9 ----	7.2 -----	6.9 ---	6.8 --
Gandolf	6.9 -----	7.1 -----	7.1 -----	7.1 -----
KXC4122	6.8 ---	7.2 -----	7.0 ----	6.8 ---
1081F781-01	7.0 -----	6.9 -	6.9 ---	6.9 ----
P82000	6.8 --	7.2 -----	7.0 -----	6.9 -----
LID1033C	6.9 ---	7.2 -----	6.9 --	6.9 ----
SB0874	7.1 -----	6.9 --	7.1 -----	6.9 ----
SB1724	6.8 -	7.0 ----	7.0 -----	7.0 -----
LG 32257	6.8 --	7.3 -----	6.8 -	7.0 -----
Qualito	6.9 ----	7.2 -----	6.9 --	6.9 ----
Bajeno	6.9 ---	7.1 -----	7.1 -----	6.9 ----
-Bezugsgrösse(n)	7.1 -----	7.1 -----	7.0 -----	7.0 -----
Versuchs-Mittel	7.0 -----	7.1 -----	7.0 -----	6.9 -----
VK [%]	2.4	2.2	2.5	2.7
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2
FG Fehlerterm	56.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1569 Delley	1725 Grangeneuve	3065 Habstetten
P8086	7.3 -----	6.9 ---	7.6 -----	7.1 ----	7.2 -----
KWS Milandro	7.2 --	7.0 ---	7.1 --	7.4 -----	6.9 --
Meluseen	7.4 -----	6.9 ---	7.6 -----	7.1 ----	7.5 -----
KWS Adorado	7.4 -----	7.0 ---	7.6 -----	7.3 -----	7.3 -----
SY Opale	7.3 ----	7.0 ---	7.5 -----	7.2 ----	6.8 --
LG 31251	7.3 -----	6.8 -	7.5 -----	7.5 -----	7.2 -----
Galismo	7.4 -----	7.3 -----	7.4 -----	7.3 -----	7.4 -----
P8317	7.2 --	6.8 -	7.4 -----	7.3 -----	7.3 -----
Farmirella	7.4 -----	7.3 -----	7.6 -----	7.2 -----	7.2 -----
LG 31281	7.3 -----	7.4 -----	7.5 -----	7.5 -----	7.1 ----
LG 31271	7.2 --	6.8 -	7.0 -	7.2 -----	6.9 --
DKC 3464	7.3 -----	7.2 -----	7.3 -----	7.4 -----	7.0 ----
SU Keldeo	7.4 -----	7.4 -----	7.3 ----	7.4 -----	7.3 -----
1084F587-01	7.3 -----	7.1 ----	7.4 -----	7.3 -----	7.1 ----
SY Fleming	7.3 -----	7.3 -----	7.2 ----	7.2 ----	7.2 -----
KWS Sporco	7.4 -----	7.0 ----	7.3 -----	7.5 -----	7.3 -----
EZ3342	7.3 ----	6.7 -	7.7 -----	7.4 -----	7.2 -----
EZ3448	7.3 -----	7.1 ----	7.4 -----	7.2 -----	7.4 -----
Menhir	7.2 ---	6.9 --	7.2 ----	7.2 ----	7.1 ----
RH24014	7.3 ----	7.2 -----	7.5 -----	7.3 -----	6.9 ---
Gandolf	7.4 -----	7.7 -----	7.5 -----	7.4 -----	7.0 ----
KXC4122	7.3 -----	7.3 -----	7.5 -----	7.5 -----	7.0 ---
1081F781-01	7.2 --	7.0 ----	7.5 -----	7.0 --	7.1 ----
P82000	7.3 ----	7.1 ----	7.6 -----	7.1 ----	6.8 -
LID1033C	7.2 -	7.1 ----	7.3 ----	7.0 --	6.8 -
SB0874	7.3 ----	7.0 ----	7.3 -----	7.1 ----	7.2 -----
SB1724	7.3 ----	7.0 ----	7.5 -----	7.2 -----	7.2 -----
LG 32257	7.3 -----	7.2 -----	7.5 -----	7.2 -----	7.1 ----
Qualito	7.3 ----	6.9 ---	7.4 -----	7.2 -----	7.2 -----
Bajeno	7.2 ----	7.3 -----	7.4 -----	6.9 -	7.1 ----
-Bezugsgrösse(n)	7.4 -----	7.1 ----	7.5 -----	7.2 ----	7.5 -----
Versuchs-Mittel	7.3 -----	7.1 ----	7.4 -----	7.3 -----	7.1 ----
VK [%]	5.2	4.2	12.4	3.9	4.7
KGD (5%)	ns	0.5	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	0.4	0.3	0.9	0.3	0.3
FG Fehlerterm	439.0	56.0	43.0	56.0	56.0
Anz. Beob.	24.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3.4	29	0.81 ns	1.49	0.7431
Anbauorte	14.9	7	14.61 ***	2.03	0.0000
WW Verf.*Anb.Orte	15.4	203	0.52 ns	1.21	
Fehler	63.9	439			
Insgesamt	97.6	678			

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

Verfahren	5643 Alikon AG	8046 Reckenholz ZH	8193 Eglisau ZH	8566 Ellighausen TG
P8086	7.2 ----	7.6 -----	7.7 -----	7.5 -----
KWS Milandro	7.3 -----	7.6 -----	7.2 --	7.4 -----
Meluseen	7.6 -----	7.4 ----	7.5 -----	7.3 -----
KWS Adorado	7.4 -----	7.6 -----	7.6 -----	7.5 -----
SY Opale	7.5 -----	7.4 ----	7.6 -----	7.2 -----
LG 31251	7.2 ----	7.7 -----	7.5 -----	7.2 ----
Galismo	7.5 -----	7.5 -----	7.4 -----	7.3 -----
P8317	7.1 --	7.5 -----	7.2 --	7.0 -
Farmirella	7.2 ----	7.6 -----	7.5 -----	7.6 -----
LG 31281	7.2 ---	7.5 -----	7.3 ----	7.2 -----
LG 31271	7.3 -----	7.6 -----	7.6 -----	7.2 -----
DKC 3464	7.4 -----	7.6 -----	7.4 -----	7.5 -----
SU Keldeo	7.5 -----	7.8 -----	7.3 --	7.3 -----
1084F587-01	7.5 -----	7.4 ----	7.4 -----	7.4 -----
SY Fleming	7.5 -----	7.8 -----	7.4 -----	7.0 -
KWS Sporco	7.6 -----	7.6 -----	7.5 -----	7.2 ----
EZ3342	7.4 -----	7.5 -----	7.3 ----	7.1 --
EZ3448	7.2 ---	7.7 -----	7.1 -	7.3 -----
Menhir	7.4 -----	7.3 --	7.5 -----	7.2 ----
RH24014	7.2 ----	7.6 -----	7.3 ----	7.1 --
Gandolf	7.3 -----	7.5 -----	7.5 -----	7.5 -----
KXC4122	7.2 ---	7.6 -----	7.4 -----	7.1 --
1081F781-01	7.4 -----	7.2 -	7.2 --	7.2 -----
P82000	7.1 --	7.7 -----	7.4 -----	7.3 -----
LID1033C	7.2 ---	7.6 -----	7.2 --	7.2 ----
SB0874	7.5 -----	7.3 --	7.4 -----	7.2 ----
SB1724	7.1 -	7.4 ----	7.4 -----	7.4 -----
LG 32257	7.1 --	7.8 -----	7.2 -	7.4 -----
Qualito	7.2 ----	7.6 -----	7.2 --	7.2 ----
Bajeno	7.2 ---	7.5 -----	7.5 -----	7.2 ----
-Bezugsgrösse(n)	7.5 -----	7.5 -----	7.4 -----	7.3 -----
Versuchs-Mittel	7.3 -----	7.5 -----	7.4 -----	7.3 -----
VK [%]	3.0	2.7	3.2	3.4
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	0.2	0.2	0.2	0.2
FG Fehlerterm	56.0	56.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0	3.0

4.3 Serie mittelspät / Série mi-tardive

4.3.1 Standortangaben / Informations des lieux

			2025	
PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	380	16.05.2025	18.09.2025
1567	Delley (Avenches)	432	02.05.2025	06.09.2025
1896	Vouvry	380	30.04.2025	30.09.2025
3065	Habstetten	690	09.05.2025	09.10.2025
8046	Reckenholz	440	23.04.2025	12.09.2025
8193	Eglisau	395	09.05.2025	Nicht geerntet / pas récolté †
8566	Ellighausen	503	13.05.2025	02.10.2025
9465	Salez	445	15.05.2025	10.10.2025

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

4.3.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P9610	X95M764	SC	Pioneer	Pioneer, Versoix		SM21/S
SY Amfora	SA2178	SC	Syngenta, CH	Syngenta, Stein		SM21/S
KWS Editio	KXC0337	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/S
KWS Go	KXC1211	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/S
SU Crumber	SG 125	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM21/S
Armoreen	LZM272/33	TC	Limagrain, Europe	Fenaco, Moudon		SM21/S
SY Remco	SA2071	SC	Syngenta, CH	Syngenta, Stein	KM31/e1	SM21/e2
	LZM374/34	SC	Limagrain, Europe	Fenaco, Moudon		SM21/e1
	LZM273/40	TC	Limagrain, Europe	Fenaco, Moudon		SM21/e1
	EZ3545	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM21/e1
	EZ3546	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel		SM21/e1
MAS 275L	MGM443732	SC	MAS Seeds	Samen Steffen, Wikon		SM21/e1
Kanaveral		SC	DSP, CH	Delley Samen und Pflanzen AG, Delley		SM21/e1
	DSP102940	SC	DSP, CH	Delley Samen und Pflanzen AG, Delley		SM21/e1
Boheminga		SC	SZG, A	Delley Samen und Pflanzen AG, Delley		SM21/e1
	GL200854	SC	SZG, A	Delley Samen und Pflanzen AG, Delley		SM21/e1
Glanda		SC	SZG, A	Delley Samen und Pflanzen AG, Delley		SM21/e1
	KXC4123	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
	KXC4131	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
	KXC4355	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/e1
P89699	1089D489-01	SC	Pioneer	Pioneer, Versoix	KM21/e1	SM21/e1
	1090F449-01	SC	Pioneer	Pioneer, Versoix		SM21/e1
	1097F714-01	SC	Pioneer	Pioneer, Versoix	KM31/e1	SM21/e1
	SB2163	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21/e1
	SA1934	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21/e1
ES Traveler	ESZ9207	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz		SM11/S
SY Opale	SA1641	SC	Syngenta, CH	Syngenta, Stein		SM11/S
KWS Lupollino	KXC2121	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM21/T
P9967	1097A001-01	SC	Pioneer	Pioneer, Versoix		SM31/S
Galismo	KXC2321	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM11/S

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

Technische Versuchsausgaben / données techniques / technical information								
Standort / lieu / site:	Nyon (380 m ü.M.)	Avenches (432 m ü.M.)	Vouvry (404 m ü.M.)	Habstetten (620 m ü.M.)	Reckenholz (384 m ü.M.)	Eglisau (395 m ü.M.)	Ellighausen (503 m ü.M.)	Salez (445 m ü.M.)
Bodenart / type de sol / soil type:	Limono sandbeu	Argile tourbeux	Limono sandbeu (argile 10-20%) - MO 2.7 % - CaCO3 total 4.9 % (pH 8.1)	Sandiger Lehm, pH 5.5	Parabraunerde	sandiger Lehm bis Lehm	Braunerde	lehmreicher Sand - lehmiger Schluff
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):	413.6 mm (www.humidité des sols.ch station Changins) 1745.9 °C (Agrométéo station Changins) Irrigation : 30.06.2025 : 30 mm 12.07.2025 : 30 mm 12.08.2025 : 30 mm	412.8 mm (selon Agrométéo, station Delley) 1696.6 °C (selon Agrométéo, station Delley)	501.5 mm (www.humidité des sols.ch station Vouvry) 1855.05 °C (selon météo Suisse, station Agile)	614.1 mm (selon Agro Météo station Zäziwil) 1399.4 °C (selon Agro Météo station Zäziwil)	528.9 mm (Météostation Reckenholz) 1681.6 °C (Météostation Reckenholz)	448.9 (SM01, SM11), 514.9 (SM21) mm (Agrométéo Ellighausen) 1574.3 (SM01, SM11), 1771.4 (SM21) °C (Agrométéo Ellighausen)	773.6 (SM21) mm (Agrométéo Salaz) 1716.6 (SM21) °C (Agrométéo Salaz)	
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 parceller / plot size:	4reihig, mit 1.33m Weig (20 m ² brutto), 1.0m netto	Semé: 17 m ² par parceller (brut, avec chemin d'environ 1.1 m), 14.4 m ² net, 4 rangs. Récolte: 8.9 m ² par parceller (brut, avec chemin), 7.2 m ² net, 2 rangs au milieu	4 reihig, mit 1.33m Weig (20 m ² brutto), 1.0m netto	4reihig, mit 1.33m Weig (20 m ² brutto), 1.0m netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weig), 6.3m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weig), 6.3m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weig), 6.3m ² netto	15m ² pro Plot brutto (4reihig, mit 0.8m Weig), 6.3m ² netto
Vorfrucht / précédent cultural / previous crop:	Luzerne	Colza / EV: Phacélie	Betteraves à sucre	orge	Sommerweizen	Prairie temporaire / Kunstwiese / temporary grassland	Raps, Gründüngung: Steffen Terra Green Frigo	Prairie temporaire / Kunstwiese 230 / temporary grassland
Bodenbearbeitung / travail du sol / soil cultivation:	labour 10.03.2025 - vibroculteur 30.04.2025 herse relative 15.05.2025	08.11.24 décompactage, 30.04.25 herse relative	Labour 28.04.2025, herse relative 29.04.2025	Pflug und Kreiselegge / charrue et herse relative / plough and rotary harrow 01.04 et 01.05.2025	14.01.25 Mulcher, 03.04.25 Pflug, 08.04.25 Pflügen, 04.04.25 Weizen gegen Austrocknung Kreiselegge	07.05.25 Pflug, 08.05.25 Kreiselegge	03.04.25 Gründüngung Mulchen, 04.04.25 Pflügen, 04.04.25 Weizen gegen Austrocknung Saatbeet	03.05.25 Pflug, 08.05.25 Kreiselegge
Saat / date de semis / sowing date:	16.05.2025 (jour 136)	02.05.2025	30.04.2025 (jour 120)	09.05.2025 (jour 129)	23.04.2025	09.05.2025	13.05.2025	15.05.2025
Ernte / date de récolte / harvest date:	18.09.2025 (jour 261)	06.09.2025	30.09.2025 (jour 273)	09.10.2025 (jour 282)	12.09.2025	nicht geerntet	02.10.2025	09.10.2025
Saatdichte / densité de semis / sowing density:	9.5 Körner / grains pro m ²	10.9 Körner / grains pro m ² , éclairci à 9.2 plantes pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²	9.5 Körner / grains pro m ²
Vegetationsdauer / durée de végétation / growing period	124 Tage / jours / days	127 Tage / jours / days	153 Tage / jours / days	153 Tage / jours / days	142 Tage / jours / days	-	142 Tage / jours / days	147 Tage / jours / days
Reihenabstand / inter-rangues / 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:	-	-	-	-	11.06.25 Hacken kombiniert mit Düngerausbringung	-	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	12.06.2025 : Equip Power 1.25 l / Spectrum 1 l/ha	23.05.25 : 1.5l/ha Monsoon + 1.0l/ha Callisto + 1.2l/ha Spectrum	16.05.2025 Callisto 1 l / ha Spectrum 1.3 l/ha Monsoon 1.5 l/ha	31.05.2025 Callisto 1 l / ha Equip Power 1.2 l / ha	12.05.25 : 2kg/ha Metarex inov, 16.05.25 : 3l/ha Pendimethalin SA, 400 SC + 1.4l/ha Spectrum, 30.05.25 : 0.2kg/ha Atraz + 2l/ha Laudis + 1l/ha Dash	31.05.25 : 2l/ha Stomp Aqua BASF W-6880 + 1.4l/ha Spectrum BASF W-6075 + 1.5l/ha Laudis W-6553	31.05.25 : 1.2l/ha Equip Power + 0.5l/ha Callisto + 1.2l/ha Spectrum + 2l/ha Megadol	10.06.25 : 1.5l/ha Equip Power + 1.2 l/ha Spectrum
Grunddüngung / fumure de base / basic fertilisation:	-	-	28.04.2025 500 kg/ha (Landor 13.9.16) : 65 kg N/ha, 45 kg P2O5/ha, 80 kg K2O/ha	28.03.25 : Granuphos 18 % : 300 kg/ha = 54 kg P/ha, Kali 60 % : 200 kg/ha = 120 kg K/ha	20.01.25 : 355kg/ha Patentkali 30+60g (60.4kg K/ha)	04.04.25 : 380kg/ha Rindergülle (38 / 38 / 14.06 / 11.4kg N/P/K/ha) + 70kg/ha Stoppelmist (6.3 / 16.8 / 94.8 / 4.2 NPK/ha)	05.03.25 : 200kg/ha Gülle (ca. 60 / 30 / 84 kg NPK/ha), 03.05.25 : 200kg/ha Mist (ca. 73 / 21.13 / 82.8kg NPK/ha)	
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 222 kg/ha Nitrate d'ammoniaque 27.0.0 - 60 N 28.05.2025 : 110 kg/ha Urée perlée 46 % : 51 N	11.04.25 : 380kg/ha Urée (46%) (174kg N/ha)	28.04.2025 400 kg/ha Nitrotec 26 % : 104 kg N/ha	19.05.25 : 171 kg/ha ammonitrate 27.5 % : 47 kg N/ha, 06.06.25 : 160 kg/ha Hamstoff 46 % : 74 kg N/ha	20.05.25 : 210kg/ha Mg-Ammonisalz 24%+S (50kg N/ha), 11.06.25 : 175kg/ha Hamstoff 46% (81kg N/ha)	14.05.24 : 227kg Hamstoff 46% (105kg N/ha)	11.05.25 : 150kg/ha Hamstoff 46% (69kg N/ha), 04.06.25 : 180kg/ha Hamstoff 46% (82kg N/ha)	20.06.25 : 100kg Hamstoff 46% (48kg N/ha)
N-Mine realisierung / zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-	-
Ernte / Récolte / harvest:	Baural Maischickler / ensileuse expérimentale	Ensileuse expérimentale	Baural Maischickler / ensileuse expérimentale	Baural Maischickler / ensileuse expérimentale	-	-	-	-
New Holland Versuchsmaischickler / ensileuse expérimentale								

4.3.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
LZM374/34	e1	-6.42	12.90	-3.26	0.16	0.02	0.03		0.79	6.48	-2.27	4.21
EZ3545	e1	-8.51	12.91	-1.10	-0.13	-0.08	0.03		0.65	4.40	-0.64	3.76
SY Remco	e2	-3.30	6.30	0.54	0.23	0.02	0.03		-0.35	3.00	0.47	3.47
Galismo	T	-2.28	4.26	1.59	0.06	0.02	0.03		-0.79	1.98	0.92	2.90
EZ3546	e1	-10.20	13.31	-1.27	0.06	-0.13	-0.09		0.61	3.11	-0.81	2.30
KXC4355	e1	-3.64	6.98	-1.61	-0.06	0.02	0.03		0.38	3.35	-1.23	2.12
KWS Editio	S	2.45	-1.84	1.44	-0.18	0.00	0.03		-0.45	0.61	0.84	1.45
GL200854	e1	-1.58	1.79	-0.96	0.20	0.00	-0.03		0.89	0.21	0.11	0.32
Boheminga	e1	-0.89	2.09	-1.95	0.04	0.02	0.03		0.86	1.20	-1.00	0.20
P9967	T	-9.03	12.17	-3.75	-0.34	0.02	0.03		0.69	3.14	-3.36	-0.22
SY Amfora	S	-2.45	1.84	-1.44	0.18	0.00	-0.03		0.45	-0.61	-0.84	-1.45
SB2163	e1	-5.58	2.87	0.26	0.11	0.02	0.03		0.66	-2.71	1.08	-1.63
KWS Go	S	-6.02	4.24	-0.95	-0.15	0.02	0.03		0.58	-1.78	-0.47	-2.25
MAS 275L	e1	0.31	-0.91	-2.33	-0.20	0.00	0.03		0.81	-0.60	-1.70	-2.30
1097F714-01	e1	-5.95	4.63	-1.95	-0.32	0.02	0.03		0.81	-1.32	-1.41	-2.73
KXC4131	e1	-6.34	2.09	0.14	-0.01	-0.02	-0.03		0.34	-4.26	0.43	-3.83
1090F449-01	e1	-9.61	7.47	-2.52	-0.34	-0.05	0.03		0.59	-2.14	-2.29	-4.43
Kanaverat	e1	-6.46	-0.18	1.47	0.06	-0.02	-0.09		0.30	-6.65	1.72	-4.93
SY Opale	T	-4.56	-1.47	0.26	-0.03	0.02	0.03		0.58	-6.03	0.86	-5.17
KXC4123	e1	-9.76	6.82	-3.07	-0.13	-0.12	0.03		1.01	-2.94	-2.28	-5.22
LZM273/40	e1	-12.13	7.51	-2.12	0.37	0.00	0.03		0.57	-4.63	-1.15	-5.78
SU Crumber	S	0.10	-3.74	-2.97	-0.20	0.02	0.03		0.90	-3.64	-2.22	-5.86
P89699	e1	-10.53	3.80	-1.02	-0.58	0.02	0.03		0.68	-6.73	-0.87	-7.60
Armoreen	S	-9.75	4.90	-3.36	-0.13	-0.11	0.03		0.65	-4.85	-2.92	-7.77
KWS Lupollino	T	-11.48	2.76	-0.84	-0.18	0.02	0.03		0.97	-8.72	0.00	-8.72
Glanda	e1	-5.79	-3.11	-1.22	0.32	0.00	0.03		1.01	-8.90	0.14	-8.76
SA1934	e1	-7.25	0.21	-0.19	-0.06	0.02	0.03		-1.76	-7.05	-1.96	-9.01
ES Traveler	T	-9.24	-1.21	-0.44	-0.06	-0.02	0.03		0.50	-10.45	0.01	-10.44
DSP102940	e1	-6.61	-4.45	0.70	-0.15	0.02	0.03		0.02	-11.06	0.61	-10.45
P9610	S	-11.52	-0.66	-0.69	-0.39	0.00	-0.09		1.03	-12.18	-0.14	-12.32
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Anz. Beob.		21	21	21	21	6	3		18			
Anz. Orte		7	7	7	7	2	1		6			
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75		0.25			

4.3.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager Veg. %	Wurzel- lager Ernte %	Stängel- bruch Veg. %
P9610	4.6	78.5	78.4	281.0	134.3	47.8	0.3	1.1	0.0
SY Amfora	3.4	75.1	73.6	272.0	129.0	47.5	0.3	0.6	0.0
KWS Editio	4.1	73.3	71.9	267.0	119.7	44.9	0.3	0.0	0.0
KWS Go	4.1	75.5	74.8	280.7	124.0	44.2	0.0	0.0	0.0
SU Crumber	4.2	77.1	75.9	279.7	130.0	46.5	0.0	0.0	0.0
Armoreen	4.0	75.6	74.7	279.3	136.3	48.8	1.8	0.0	0.0
SY Remco	3.3	74.4	73.1	279.0	139.0	49.9	0.0	0.0	0.0
LZM374/34	3.5	76.2	75.3	295.3	131.3	44.5	0.0	0.0	0.0
LZM273/40	3.0	76.7	75.7	291.3	139.3	47.9	0.3	0.0	0.5
EZ3545	4.0	76.1	76.7	299.7	148.0	49.5	1.4	0.0	0.0
EZ3546	3.7	75.8	75.7	315.7	154.0	48.8	2.0	1.1	0.0
MAS 275L	4.2	75.6	75.1	275.0	136.7	49.7	0.3	0.0	0.0
Kanaveral	3.7	75.7	74.9	282.3	134.7	47.7	0.6	1.1	0.0
DSP102940	4.1	76.0	75.1	294.0	144.7	49.3	0.0	0.0	0.0
Boheminga	3.7	73.9	72.4	266.7	121.3	45.5	0.0	0.0	0.0
GL200854	3.4	73.7	72.8	256.0	122.3	47.9	0.3	0.5	0.0
Glanda	3.1	71.9	70.8	263.0	118.0	45.1	0.3	0.0	0.0
KXC4123	4.0	76.7	75.9	291.3	147.0	50.5	2.0	0.0	0.0
KXC4131	3.8	76.6	75.6	284.0	139.3	49.1	0.6	0.5	0.0
KXC4355	3.9	75.1	74.7	284.3	141.0	49.5	0.0	0.0	0.0
P89699	5.0	78.2	77.0	268.7	134.0	49.9	0.0	0.0	0.0
1090F449-01	4.5	77.7	77.4	278.3	132.3	47.5	0.9	0.0	0.0
1097F714-01	4.4	79.8	79.9	269.3	124.3	46.2	0.0	0.0	0.0
SB2163	3.6	74.8	73.5	279.7	137.3	49.2	0.0	0.0	0.0
SA1934	3.9	75.1	74.2	268.3	129.7	48.4	0.0	0.0	0.0
ES Traveler	3.9	72.3	72.4	276.3	125.3	45.3	0.6	0.0	0.6
SY Opale	3.9	74.1	72.7	276.0	124.7	45.2	0.0	0.0	0.0
KWS Lupollino	4.1	75.6	75.0	274.0	129.0	47.2	0.0	0.0	0.0
P9967	4.5	80.3	80.3	278.0	130.3	46.9	0.0	0.0	0.0
Galismo	3.7	73.2	71.9	270.3	127.3	47.3	0.0	0.0	0.0
Bezugsgrösse(n)	3.8	74.2	72.7	269.5	124.3	46.2	0.3	0.3	0.0
Versuchs-Mittel	3.9	75.7	74.9	279.2	132.8	47.6	0.4	0.2	0.0
VK [%]	14.2	1.6	1.7	3.1	6.5	6.7	248.3	406.7	666.9
KGD (5%)	0.3	0.8	0.9	6.3	6.2	2.3	1.1		
KGD (1%)	0.4	1.1	1.2	8.3	8.2	3.0	1.5		
Versuchs-Streuung	0.6	1.2	1.3	8.8	8.7	3.2	1.0	0.7	0.3
FG Fehlerterm	396.0	280.0	280.0	282.0	284.0	286.0	112.0	58.0	56.0
Anz. Beob.	21.0	15.0	15.0	15.0	15.0	15.0	6.0	3.0	3.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	5.0	2.0	1.0	1.0
Minimum	3.0	71.9	70.8	256.0	118.0	44.2	0.0	0.0	0.0
Maximum	5.0	80.3	80.3	315.7	154.0	50.5	2.0	1.1	0.6

Sorten Bezeich- nung	Helmin. thosp. 2. Bon Note	Beul.- brand %	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS
P9610	5.0	0.6	3.3	8.5	597.9	225.7	38.0	165.6	93.1	734.5
SY Amfora	6.3	3.4	2.7	8.7	619.2	230.7	37.4	175.1	98.0	757.2
KWS Editio	5.7	7.6	2.3	8.8	566.4	223.4	39.7	171.7	101.9	769.4
KWS Go	6.3	2.7	3.0	8.9	626.3	235.5	37.8	176.2	98.2	748.2
SU Crumber	6.0	1.3	2.0	8.2	612.8	219.6	36.2	167.6	95.0	763.5
Armoreen	3.7	2.5	3.0	8.7	663.5	236.8	35.8	174.6	93.3	738.9
SY Remco	6.0	7.1	3.0	8.6	621.8	239.6	39.0	180.8	103.7	755.0
LZM374/34	5.7	1.8	2.7	9.0	706.5	252.8	35.9	188.6	104.6	747.2
LZM273/40	5.0	2.8	1.3	8.8	659.7	242.0	36.8	178.7	99.3	733.0
EZ3545	4.3	2.5	2.7	8.6	674.0	252.9	37.7	187.4	103.6	742.0
EZ3546	5.3	2.6	3.0	8.8	679.3	253.7	37.5	187.1	105.6	737.8
MAS 275L	6.0	1.7	4.3	8.7	616.6	225.2	36.7	172.3	100.0	764.1
Kanaveral	5.7	4.1	2.3	8.9	574.3	226.7	39.7	168.8	97.9	747.1
DSP102940	5.3	5.4	2.0	8.8	560.8	218.1	39.1	162.5	93.5	746.8
Boheminga	6.3	1.5	3.0	8.7	628.8	231.2	37.0	176.1	100.4	761.1
GL200854	5.7	1.3	4.0	8.7	610.7	230.6	37.8	175.4	100.7	759.3
Glanda	5.3	0.8	3.7	8.7	589.9	220.8	37.6	163.5	95.7	748.8
KXC4123	6.0	0.7	1.7	8.8	670.0	240.7	36.1	177.7	97.2	738.9
KXC4131	6.7	3.9	2.7	8.9	605.4	231.2	38.7	172.9	99.8	747.4
KXC4355	7.3	3.7	2.0	9.0	652.2	241.0	37.3	181.9	104.4	754.2
P89699	4.0	2.3	2.7	8.7	626.3	234.6	37.7	172.5	96.8	737.0
1090F449-01	4.7	2.7	1.7	8.8	663.8	242.0	36.5	179.0	101.1	739.3
1097F714-01	3.7	1.7	2.0	8.7	643.7	236.3	37.0	176.8	102.1	748.4
SB2163	7.7	2.4	3.3	8.9	607.5	232.8	38.7	174.4	98.9	749.3
SA1934	8.0	13.7	2.3	8.9	597.8	227.4	38.4	169.4	96.4	745.2
ES Traveler	5.3	3.2	4.3	8.4	591.3	224.6	38.2	166.1	95.4	740.2
SY Opale	6.7	2.7	4.7	8.8	581.9	224.1	38.8	168.5	95.5	751.9
KWS Lupollino	4.0	0.9	2.7	9.0	616.6	232.6	37.9	170.6	93.3	734.6
P9967	4.0	2.3	1.3	8.6	715.4	251.4	35.5	186.2	103.3	740.7
Galismo	5.3	9.1	2.7	9.0	596.5	235.6	39.8	178.3	104.1	757.6
Bezugsgrösse(n)	6.0	5.5	2.5	8.8	592.8	227.0	38.5	173.4	99.9	763.3
Versuchs-Mittel	5.6	3.3	2.7	8.8	625.9	234.0	37.7	174.9	99.1	748.0
VK [%]	19.5	106.8	28.5	3.6	5.6	6.8	5.4	8.7	13.0	3.3
KGD (5%)	1.8	2.3	1.3	0.2	21.2	9.6	1.2	9.2	7.8	14.8
KGD (1%)	2.4	3.0	1.7	0.3	27.9	12.7	1.6	12.2	10.3	19.5
Versuchs-Streuung	1.1	3.5	0.8	0.3	34.9	15.9	2.0	15.2	12.9	24.4
FG Fehlerterm	56.0	342.0	58.0	396.0	392.0	395.0	390.0	393.0	395.0	398.0
Anz. Beob.	3.0	18.0	3.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Anz. Orte	1.0	6.0	1.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	3.7	0.6	1.3	8.2	560.8	218.1	35.5	162.5	93.1	733.0
Maximum	8.0	13.7	4.7	9.0	715.4	253.7	39.8	188.6	105.6	769.4

Sorten Bezeich- nung	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprot. Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS
P9610	412.0	184.8	414.6	211.6	20.9	68.0	6.7	7.0
SY Amfora	423.1	172.3	392.1	199.6	18.9	70.6	7.0	7.4
KWS Editio	455.8	160.1	368.4	184.0	18.0	72.3	7.1	7.5
KWS Go	415.9	170.6	383.8	201.1	20.7	75.2	6.9	7.2
SU Crumber	431.1	166.1	379.9	192.1	18.5	73.7	7.1	7.5
Armoreen	393.9	179.0	398.7	212.0	21.1	73.5	6.8	7.1
SY Remco	431.5	171.0	391.4	199.6	19.5	69.9	7.0	7.3
LZM374/34	414.0	174.3	391.8	205.1	20.6	72.5	6.9	7.2
LZM273/40	406.0	181.7	407.8	214.7	21.8	71.3	6.7	7.0
EZ3545	409.4	181.8	396.6	212.6	20.7	70.2	6.8	7.1
EZ3546	416.0	181.2	397.6	211.9	21.0	68.9	6.8	7.1
MAS 275L	440.2	166.2	374.4	194.1	18.6	75.0	7.1	7.5
Kanaveral	433.4	173.6	393.4	203.1	19.6	70.4	6.9	7.2
DSP102940	428.9	176.8	391.6	205.2	20.4	72.3	6.9	7.2
Boheminga	431.5	166.2	380.3	193.3	17.9	75.1	7.0	7.4
GL200854	432.7	166.0	377.8	195.0	18.9	76.9	7.0	7.4
Glanda	437.4	171.9	385.1	200.9	19.7	72.1	6.9	7.2
KXC4123	403.0	179.4	387.8	211.0	22.7	77.0	6.8	7.1
KXC4131	429.3	174.7	390.3	203.1	20.7	72.3	6.9	7.2
KXC4355	431.8	168.5	373.9	197.2	21.0	78.0	7.0	7.3
P89699	412.4	183.6	408.9	211.5	21.3	70.0	6.8	7.1
1090F449-01	415.4	186.6	413.9	212.3	20.5	65.5	6.8	7.1
1097F714-01	430.7	179.1	401.9	203.9	20.2	66.5	6.9	7.2
SB2163	424.1	177.6	395.8	206.7	19.9	68.3	6.9	7.2
SA1934	424.1	178.2	396.8	208.2	20.4	70.5	6.9	7.2
ES Traveler	424.6	178.7	397.3	208.4	20.9	70.1	6.8	7.1
SY Opale	423.0	173.0	396.3	201.0	19.6	69.9	6.9	7.3
KWS Lupollino	400.5	183.1	396.5	214.2	21.9	69.4	6.7	7.0
P9967	409.2	180.2	405.0	207.0	20.3	71.1	6.8	7.1
Galismo	441.4	170.2	380.7	196.5	19.0	71.0	7.0	7.4
Bezugsgrösse(n)	439.4	166.2	380.3	191.8	18.4	71.5	7.1	7.5
Versuchs-Mittel	422.7	175.2	392.4	203.9	20.2	71.6	6.9	7.2
VK [%]	8.6	9.0	6.6	9.5	9.3	4.7	3.9	4.9
KGD (5%)	22.1	9.5	15.7	11.8	1.1	2.1	0.2	0.2
KGD (1%)	29.1	12.5	20.7	15.5	1.5	2.7	0.2	0.3
Versuchs-Streuung	36.4	15.7	26.0	19.4	1.9	3.4	0.3	0.4
FG Fehlerterm	395.0	401.0	397.0	401.0	399.0	395.0	397.0	397.0
Anz. Beob.	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Anz. Orte	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Minimum	393.9	160.1	368.4	184.0	17.9	65.5	6.7	7.0
Maximum	455.8	186.6	414.6	214.7	22.7	78.0	7.1	7.5

4.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	4.6 -----	5.3 -----	5.3 -----	6.0 -----	4.3 -----
SY Amfora	3.4 ---	4.7 -----	4.7 -----	4.7 --	3.7 --
KWS Editio	4.1 -----	5.0 -----	5.3 -----	5.7 -----	4.0 ----
KWS Go	4.1 -----	5.0 -----	4.7 -----	5.3 -----	4.3 -----
SU Crumber	4.2 -----	5.0 -----	5.0 -----	6.0 -----	4.7 -----
Armoreen	4.0 -----	5.0 -----	4.0 --	5.0 ---	4.7 -----
SY Remco	3.3 --	4.3 -----	3.7 -	5.3 -----	3.7 --
LZM374/34	3.5 ---	4.0 ----	4.0 --	5.3 -----	4.0 ----
LZM273/40	3.0 -	3.0 -	4.0 --	4.7 --	3.7 --
EZ3545	4.0 -----	5.0 -----	4.7 -----	5.7 -----	3.7 --
EZ3546	3.7 ----	4.0 ----	4.7 -----	5.3 -----	3.7 --
MAS 275L	4.2 -----	5.0 -----	5.0 -----	5.3 -----	4.3 -----
Kanaveral	3.7 ----	5.0 -----	4.0 --	6.0 -----	4.3 -----
DSP102940	4.1 -----	5.0 -----	4.0 --	6.0 -----	4.3 -----
Boheminga	3.7 ----	4.0 ----	5.0 -----	5.3 -----	3.7 --
GL200854	3.4 --	3.3 --	4.3 ---	4.7 --	4.3 -----
Glanda	3.1 -	3.7 ---	4.3 ---	4.3 -	3.3 -
KXC4123	4.0 -----	4.7 -----	5.0 -----	5.3 -----	4.3 -----
KXC4131	3.8 ----	5.0 -----	5.3 -----	5.0 ----	4.7 -----
KXC4355	3.9 ----	5.0 -----	5.0 -----	5.3 -----	4.3 -----
P89699	5.0 -----	5.3 -----	5.7 -----	6.3 -----	4.7 -----
1090F449-01	4.5 -----	5.0 -----	5.0 -----	6.0 -----	4.3 -----
1097F714-01	4.4 -----	5.0 -----	5.3 -----	5.7 -----	4.7 -----
SB2163	3.6 ---	4.7 -----	4.7 -----	5.0 ---	4.0 ----
SA1934	3.9 ----	4.7 -----	4.7 -----	5.7 -----	4.7 -----
ES Traveler	3.9 ----	4.7 -----	5.0 -----	5.7 -----	4.0 ----
SY Opale	3.9 ----	4.3 -----	4.7 -----	5.7 -----	4.7 -----
KWS Lupollino	4.1 -----	5.0 -----	5.7 -----	5.3 -----	4.3 -----
P9967	4.5 -----	5.0 -----	5.0 -----	6.0 -----	5.3 -----
Galismo	3.7 ----	4.3 -----	5.3 -----	5.3 -----	4.3 -----
-Bezugsgrösse(n)	3.8 ----	4.8 -----	5.0 -----	5.2 -----	3.8 ---
Versuchs-Mittel	3.9 ----	4.6 -----	4.8 -----	5.4 -----	4.2 -----
VK [%]	14.2	9.2	11.8	9.2	13.1
KGD (5%)	0.3	0.7	0.9	0.8	0.9
KGD (1%)	0.4	0.9	1.2	1.1	ns
Versuchs-Streuung	0.6	0.4	0.6	0.5	0.6
FG Fehlerterm	396.0	56.0	56.0	56.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	116.2	29	13.05 ***	1.50	0.0000
Anbauorte	710.1	6	385.50 ***	2.12	0.0000
WW Verf.*Anb.Orte	91.2	174	1.71 ***	1.23	0.0009
Fehler	121.6	396			
Insgesamt	1039.1	605			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	4.3 -----	3.3 -----	3.3 -----
SY Amfora	1.7 -	3.0 -----	1.7 --
KWS Editio	3.7 -----	3.0 -----	2.3 ----
KWS Go	3.0 ----	3.7 -----	2.7 -----
SU Crumber	3.3 -----	3.0 -----	2.3 ----
Armoreen	4.3 -----	3.0 -----	2.3 ----
SY Remco	2.3 ---	2.0 -	2.0 ---
LZM374/34	2.7 ----	2.7 ----	1.7 --
LZM273/40	2.0 --	2.7 ----	1.3 -
EZ3545	3.7 -----	3.7 -----	2.0 ---
EZ3546	3.3 -----	2.7 ----	2.0 ---
MAS 275L	3.3 -----	3.0 -----	3.3 -----
Kanaveral	1.7 -	2.7 ----	2.0 ---
DSP102940	2.7 ----	3.7 -----	3.0 -----
Boheminga	3.0 -----	2.7 ----	2.3 ----
GL200854	2.7 ----	2.3 --	2.0 ---
Glanda	2.3 ---	2.3 --	1.7 --
KXC4123	2.3 ---	3.7 -----	3.0 -----
KXC4131	2.3 ---	3.0 -----	1.3 -
KXC4355	2.7 ----	3.3 -----	1.7 --
P89699	4.7 -----	4.0 -----	4.0 -----
1090F449-01	4.3 -----	3.7 -----	3.0 -----
1097F714-01	3.7 -----	3.7 -----	3.0 -----
SB2163	2.7 ----	2.7 ----	1.3 -
SA1934	3.0 -----	3.0 -----	1.7 --
ES Traveler	3.0 -----	2.3 --	2.7 -----
SY Opale	2.7 ----	3.0 -----	2.0 ---
KWS Lupollino	3.3 -----	2.7 ----	2.7 -----
P9967	3.3 -----	3.7 -----	3.0 -----
Galismo	2.3 ---	2.3 --	1.7 --
-Bezugsgrösse(n)	2.7 ----	3.0 -----	2.0 ---
Versuchs-Mittel	3.0 -----	3.0 -----	2.3 ----
VK [%]	25.5	13.8	25.2
KGD (5%)	1.3	0.7	0.9
KGD (1%)	1.7	0.9	1.3
Versuchs-Streuung	0.8	0.4	0.6
FG Fehlerterm	56.0	56.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9610	78.5 -----	65.7 -----	84.3 -----	81.0 -----	86.0 -----
SY Amfora	75.1 ----	64.3 -----	81.7 --	76.3 --	81.3 -----
KWS Editio	73.3 --	61.7 --	80.3 -	75.7 -	78.7 ---
KWS Go	75.5 ----	63.0 ----	83.0 ----	77.7 --	80.7 ----
SU Crumber	77.1 -----	65.0 -----	83.3 -----	79.0 ----	84.0 -----
Armoreen	75.6 ----	63.7 -----	81.0 --	78.3 ----	82.7 -----
SY Remco	74.4 ----	62.7 ----	83.0 ----	76.0 -	80.3 ----
LZM374/34	76.2 -----	63.0 ----	83.3 -----	79.0 ----	83.3 -----
LZM273/40	76.7 -----	64.0 -----	83.3 -----	79.3 -----	83.7 -----
EZ3545	76.1 -----	64.0 -----	82.3 ----	78.7 ----	83.3 -----
EZ3546	75.8 ----	63.0 ----	82.0 ----	79.0 ----	82.3 -----
MAS 275L	75.6 ----	64.3 -----	81.3 --	78.3 ----	82.3 -----
Kanaveral	75.7 ----	63.3 ----	83.0 ----	77.3 --	82.0 ----
DSP102940	76.0 ----	64.3 -----	82.0 ----	77.0 --	82.3 -----
Bohemia	73.9 ---	61.0 --	81.7 --	76.3 --	80.0 ----
GL200854	73.7 ---	61.0 --	83.0 -----	76.3 --	79.0 ----
Glanda	71.9 -	60.0 -	80.0 -	75.3 -	75.7 -
KXC4123	76.7 -----	64.7 -----	82.0 ----	78.7 ----	83.3 -----
KXC4131	76.6 -----	63.7 -----	83.0 ----	80.0 ----	83.3 -----
KXC4355	75.1 ----	62.3 ----	82.0 ----	77.3 --	81.3 -----
P89699	78.2 -----	66.0 -----	83.3 -----	78.7 ----	85.7 -----
1090F449-01	77.7 -----	64.7 -----	83.3 -----	81.0 -----	84.7 -----
1097F714-01	79.8 -----	66.0 -----	85.0 -----	85.3 -----	86.7 -----
SB2163	74.8 ----	62.7 ----	82.3 ----	76.7 --	82.0 ----
SA1934	75.1 ----	63.0 ----	81.3 --	76.7 --	82.7 -----
ES Traveler	72.3 -	61.0 --	80.0 -	76.3 --	76.3 -
SY Opale	74.1 ---	62.3 ----	81.7 --	75.3 -	81.0 ----
KWS Lupollino	75.6 ----	63.0 ----	81.3 --	79.3 ----	82.3 -----
P9967	80.3 -----	66.0 -----	86.0 -----	85.3 -----	86.3 -----
Galismo	73.2 --	61.3 --	80.3 -	75.7 -	79.0 ----
-Bezugsgrösse(n)	74.2 ---	63.0 -----	81.0 --	76.0 -	80.0 -----
Versuchs-Mittel	75.7 -----	63.4 -----	82.3 -----	78.2 ----	82.1 -----
VK [%]	1.6	1.2	1.4	2.1	1.3
KGD (5%)	0.8	1.2	1.9	2.6	1.7
KGD (1%)	1.1	1.6	2.5	3.5	2.3
Versuchs-Streuung	1.2	0.7	1.2	1.6	1.1
FG Fehlerterm	280.0	56.0	56.0	56.0	56.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1683.2	29	42.17 ***	1.51	0.0000
Anbauorte	22893.4	4	4157.87 ***	2.41	0.0000
WW Verf.*Anb.Orte	394.2	116	2.47 ***	1.28	0.0002
Fehler	385.4	280			
Insgesamt	25356.2	429			

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

Verfahren	8566 Ellighausen TG	
P9610	75.3	-----
SY Amfora	71.7	-----
KWS Editio	70.3	---
KWS Go	73.3	-----
SU Crumber	74.0	-----
Armoreen	72.3	-----
SY Remco	70.0	---
LZM374/34	72.3	-----
LZM273/40	73.3	-----
EZ3545	72.3	-----
EZ3546	72.7	-----
MAS 275L	71.7	-----
Kanaveral	73.0	-----
DSP102940	74.3	-----
Boheminga	70.7	----
GL200854	69.0	--
Glanda	68.7	--
KXC4123	75.0	-----
KXC4131	73.0	-----
KXC4355	72.7	-----
P89699	77.3	-----
1090F449-01	74.7	-----
1097F714-01	76.0	-----
SB2163	70.3	---
SA1934	71.7	-----
ES Traveler	67.7	-
SY Opale	70.0	---
KWS Lupollino	72.0	-----
P9967	77.7	-----
Galismo	69.7	---
-Bezugsgrösse(n)	71.0	----
Versuchs-Mittel	72.4	-----
VK [%]	1.5	
KGD (5%)	1.8	
KGD (1%)	2.4	
Versuchs-Streuung	1.1	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9610	78.4 -----	65.0 -----	82.3 -----	80.0 -----	87.0 -----
SY Amfora	73.6 ----	61.3 ----	81.0 ----	74.3 --	80.7 ----
KWS Editio	71.9 --	59.7 --	78.3 -	73.7 -	77.7 --
KWS Go	74.8 ----	61.3 ----	81.0 ----	75.7 --	81.7 ----
SU Crumber	75.9 ----	63.3 ----	81.3 ----	77.0 ----	84.0 ----
Armoreen	74.7 ----	61.7 ----	79.0 --	76.3 --	83.3 ----
SY Remco	73.1 ---	60.7 ----	81.0 ----	74.0 -	80.3 ----
LZM374/34	75.3 ----	61.7 ----	81.3 ----	77.0 ----	83.3 ----
LZM273/40	75.7 ----	62.0 ----	82.0 ----	77.3 ----	83.7 ----
EZ3545	76.7 ----	64.0 ----	80.7 ----	77.3 ----	86.0 ----
EZ3546	75.7 ----	63.0 ----	80.0 ----	77.0 ----	83.7 ----
MAS 275L	75.1 ----	63.3 ----	79.3 --	76.7 ----	83.3 ----
Kanaveral	74.9 ----	61.7 ----	81.0 ----	75.3 --	83.0 ----
DSP102940	75.1 ----	62.7 ----	80.0 ----	75.0 --	83.0 ----
Bohemia	72.4 --	59.3 --	79.7 --	74.3 --	79.3 --
GL200854	72.8 ---	59.0 --	81.0 ----	74.7 --	79.3 --
Glanda	70.8 -	58.0 -	78.0 -	73.3 -	76.0 -
KXC4123	75.9 ----	63.0 ----	80.0 ----	77.3 ----	84.0 ----
KXC4131	75.6 ----	62.0 ----	81.0 ----	78.0 ----	83.7 ----
KXC4355	74.7 ----	62.0 ----	80.0 ----	76.0 --	82.7 ----
P89699	77.0 ----	64.7 ----	81.3 ----	76.3 --	85.7 ----
1090F449-01	77.4 ----	64.7 ----	81.3 ----	79.3 ----	86.0 ----
1097F714-01	79.9 ----	66.7 ----	84.0 ----	83.3 ----	88.0 ----
SB2163	73.5 --	60.7 --	80.3 --	74.7 --	81.7 ----
SA1934	74.2 ----	61.0 ----	79.3 --	75.0 --	83.3 ----
ES Traveler	72.4 --	60.0 --	78.0 -	74.3 --	79.7 ----
SY Opale	72.7 ---	59.3 --	79.7 --	73.3 -	80.7 ----
KWS Lupollino	75.0 ----	61.3 ----	79.3 --	77.3 ----	83.3 ----
P9967	80.3 ----	67.0 ----	84.7 ----	84.0 ----	87.7 ----
Galismo	71.9 --	59.0 --	78.3 -	73.7 -	79.0 --
-Bezugsgrösse(n)	72.7 --	60.5 --	79.7 --	74.0 -	79.2 --
Versuchs-Mittel	74.9 ----	62.0 ----	80.5 ----	76.4 --	82.7 ----
VK [%]	1.7	1.5	1.6	2.2	1.3
KGD (5%)	0.9	1.5	2.0	2.8	1.7
KGD (1%)	1.2	2.0	2.7	3.7	2.3
Versuchs-Streuung	1.3	0.9	1.3	1.7	1.0
FG Fehlerterm	280.0	56.0	56.0	56.0	56.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2224.1	29	47.68 ***	1.51	0.0000
Anbauorte	23842.7	4	3705.38 ***	2.41	0.0000
WW Verf.*Anb.Orte	390.9	116	2.09 ***	1.28	0.0004
Fehler	450.4	280			
Insgesamt	26908.1	429			

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

Verfahren	8566 Ellighausen TG	
P9610	77.7	-----
SY Amfora	70.7	---
KWS Editio	70.0	--
KWS Go	74.3	-----
SU Crumber	74.0	-----
Armoreen	73.0	-----
SY Remco	69.3	-
LZM374/34	73.0	-----
LZM273/40	73.3	-----
EZ3545	75.3	-----
EZ3546	75.0	-----
MAS 275L	72.7	-----
Kanaveral	73.7	-----
DSP102940	74.7	-----
Boheminga	69.3	-
GL200854	70.0	--
Glanda	68.7	-
KXC4123	75.0	-----
KXC4131	73.3	-----
KXC4355	73.0	-----
P89699	77.0	-----
1090F449-01	75.7	-----
1097F714-01	77.3	-----
SB2163	70.0	--
SA1934	72.3	-----
ES Traveler	70.0	--
SY Opale	70.3	--
KWS Lupollino	73.7	-----
P9967	78.0	-----
Galismo	69.3	-
-Bezugsgrösse(n)	70.3	--
Versuchs-Mittel	73.0	-----
VK [%]	1.8	
KGD (5%)	2.1	
KGD (1%)	2.8	
Versuchs-Streuung	1.3	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9610	281.0 ----	301.7 ----	260.0 ---	278.3 -----	278.3 -----
SY Amfora	272.0 ---	303.3 ----	260.0 ---	260.0 ----	263.3 ----
KWS Editio	267.0 --	300.0 ----	250.0 -	256.7 ---	253.3 ---
KWS Go	280.7 -----	300.0 ----	268.3 ----	280.0 -----	270.0 ----
SU Crumber	279.7 -----	293.3 --	268.3 ----	280.0 -----	268.3 ----
Armoreen	279.3 -----	296.7 ---	260.0 ---	273.3 -----	278.3 -----
SY Remco	279.0 ----	308.3 -----	271.7 -----	268.3 ----	265.0 ----
LZM374/34	295.3 -----	313.3 -----	283.3 -----	285.0 -----	293.3 -----
LZM273/40	291.3 -----	316.7 -----	276.7 -----	288.3 -----	275.0 -----
EZ3545	299.7 -----	320.0 -----	300.0 -----	298.3 -----	286.7 -----
EZ3546	315.7 -----	340.0 -----	303.3 -----	306.7 -----	315.0 -----
MAS 275L	275.0 ----	296.7 ---	273.3 ----	263.3 ---	266.7 ----
Kanaveral	282.3 -----	296.7 ---	273.3 ----	278.3 -----	276.7 ----
DSP102940	294.0 -----	316.7 -----	278.3 -----	288.3 -----	285.0 -----
Bohemia	266.7 --	283.3 -	265.0 ---	258.3 ---	255.0 ---
GL200854	256.0 -	286.7 -	255.0 --	240.0 -	231.7 -
Glanda	263.0 --	291.7 --	263.3 ----	255.0 ---	245.0 --
KXC4123	291.3 -----	315.0 -----	276.7 -----	285.0 -----	288.3 -----
KXC4131	284.0 ----	303.3 ----	270.0 ----	281.7 -----	273.3 ----
KXC4355	284.3 ----	310.0 ----	275.0 -----	273.3 -----	280.0 -----
P89699	268.7 ---	295.0 ---	253.3 --	268.3 ----	256.7 ---
1090F449-01	278.3 ----	298.3 ---	266.7 ----	270.0 ----	276.7 -----
1097F714-01	269.3 ---	291.7 --	256.7 --	270.0 ----	261.7 ---
SB2163	279.7 -----	306.7 -----	265.0 ----	270.0 ----	273.3 -----
SA1934	268.3 ---	303.3 ----	260.0 ---	253.3 ---	253.3 ---
ES Traveler	276.3 ----	291.7 --	263.3 ----	266.7 ----	266.7 ----
SY Opale	276.0 ----	305.0 ----	263.3 ----	271.7 ----	263.3 ----
KWS Lupollino	274.0 ----	300.0 ----	265.0 ----	266.7 ----	261.7 ----
P9967	278.0 ----	295.0 ---	268.3 ----	275.0 -----	280.0 -----
Galismo	270.3 ---	311.7 -----	246.7 -	261.7 ----	258.3 ----
-Bezugsgrösse(n)	269.5 ---	301.7 ----	255.0 --	258.3 ---	258.3 ----
Versuchs-Mittel	279.2 ----	303.1 ----	268.0 ----	272.4 -----	270.0 -----
VK [%]	3.1	2.6	3.4	3.0	3.2
KGD (5%)	6.3	12.9	14.9	13.2	14.1
KGD (1%)	8.3	17.2	19.9	17.5	18.8
Versuchs-Streuung	8.8	7.9	9.1	8.1	8.6
FG Fehlerterm	282.0	58.0	56.0	56.0	56.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	63244.9	29	28.36 ***	1.51	0.0000
Anbauorte	75347.4	4	244.99 ***	2.41	0.0000
WW Verf.*Anb.Orte	13919.2	116	1.56 ns	1.28	
Fehler	21682.2	282			
Insgesamt	174193.8	431			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
P9610	286.7	-----
SY Amfora	273.3	---
KWS Editio	275.0	---
KWS Go	285.0	-----
SU Crumber	288.3	-----
Armoreen	288.3	-----
SY Remco	281.7	-----
LZM374/34	301.7	-----
LZM273/40	300.0	-----
EZ3545	293.3	-----
EZ3546	313.3	-----
MAS 275L	275.0	---
Kanaveral	286.7	-----
DSP102940	301.7	-----
Boheminga	271.7	---
GL200854	266.7	--
Glanda	260.0	-
KXC4123	291.7	-----
KXC4131	291.7	-----
KXC4355	283.3	-----
P89699	270.0	--
1090F449-01	280.0	----
1097F714-01	266.7	--
SB2163	283.3	-----
SA1934	271.7	---
ES Traveler	293.3	-----
SY Opale	276.7	----
KWS Lupollino	276.7	----
P9967	271.7	---
Galismo	273.3	---
-Bezugsgrösse(n)	274.2	---
Versuchs-Mittel	282.6	-----
VK [%]	3.5	
KGD (5%)	16.3	
KGD (1%)	21.7	
Versuchs-Streuung	10.0	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9610	134.3 ----	146.7 -----	123.3 ----	128.3 ----	133.3 -----
SY Amfora	129.0 ----	146.7 -----	126.7 -----	126.7 ----	121.7 ---
KWS Editio	119.7 -	131.7 --	111.7 --	116.7 --	111.7 -
KWS Go	124.0 --	133.3 --	113.3 --	126.7 ----	123.3 ---
SU Crumber	130.0 ----	136.7 ----	125.0 ----	125.0 ----	131.7 ----
Armoreen	136.3 -----	151.7 -----	123.3 ----	128.3 ----	138.3 -----
SY Remco	139.0 -----	143.3 -----	133.3 -----	131.7 -----	150.0 -----
LZM374/34	131.3 ----	143.3 -----	120.0 ----	125.0 ----	146.7 -----
LZM273/40	139.3 -----	150.0 -----	130.0 -----	133.3 -----	146.7 -----
EZ3545	148.0 -----	146.7 -----	145.0 -----	141.7 -----	155.0 -----
EZ3546	154.0 -----	163.3 -----	146.7 -----	151.7 -----	153.3 -----
MAS 275L	136.7 -----	148.3 -----	140.0 -----	128.3 ----	133.3 ----
Kanaveral	134.7 ----	143.3 ----	128.3 ----	131.7 ----	138.3 ----
DSP102940	144.7 -----	156.7 -----	140.0 -----	131.7 -----	151.7 -----
Boheminga	121.3 --	135.0 ---	108.3 -	115.0 --	125.0 ---
GL200854	122.3 --	135.0 ---	121.7 ----	108.3 -	123.3 ---
Glanda	118.0 -	121.7 -	106.7 -	121.7 ----	125.0 ----
KXC4123	147.0 -----	160.0 -----	136.7 -----	136.7 -----	151.7 -----
KXC4131	139.3 -----	141.7 ----	130.0 -----	130.0 -----	145.0 -----
KXC4355	141.0 -----	158.3 -----	131.7 -----	130.0 -----	135.0 -----
P89699	134.0 ----	145.0 ----	125.0 ----	133.3 ----	131.7 ----
1090F449-01	132.3 ----	141.7 ----	121.7 ----	133.3 ----	138.3 -----
1097F714-01	124.3 --	141.7 ----	111.7 --	130.0 ----	115.0 -
SB2163	137.3 -----	145.0 -----	128.3 -----	135.0 -----	140.0 -----
SA1934	129.7 ----	141.7 ----	120.0 ----	121.7 ----	131.7 ----
ES Traveler	125.3 ---	131.7 ---	105.0 -	120.0 ---	128.3 ----
SY Opale	124.7 --	135.0 ----	111.7 --	121.7 ----	128.3 ----
KWS Lupollino	129.0 ----	133.3 ---	128.3 -----	125.0 ----	128.3 ----
P9967	130.3 ----	133.3 ---	125.0 ----	125.0 ----	136.7 -----
Galismo	127.3 ---	135.0 ----	120.0 ----	125.0 ----	140.0 -----
-Bezugsgrösse(n)	124.3 --	139.2 ----	119.2 ----	121.7 ----	116.7 --
Versuchs-Mittel	132.8 -----	142.6 -----	124.6 -----	127.9 -----	135.3 -----
VK [%]	6.5	5.3	5.4	4.6	8.9
KGD (5%)	6.2	12.3	11.1	9.6	19.7
KGD (1%)	8.2	16.4	14.7	12.7	26.1
Versuchs-Streuung	8.7	7.5	6.8	5.8	12.0
FG Fehlerterm	284.0	58.0	56.0	56.0	58.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33865.6	29	15.52 ***	1.51	0.0000
Anbauorte	17342.6	4	57.61 ***	2.41	0.0000
WW Verf.*Anb.Orte	11327.4	116	1.30 ns	1.28	
Fehler	21375.0	284			
Insgesamt	83910.6	433			

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

Verfahren	8566	
	Ellighausen TG	
P9610	140.0	-----
SY Amfora	123.3	---
KWS Editio	126.7	----
KWS Go	123.3	---
SU Crumber	131.7	-----
Armoreen	140.0	-----
SY Remco	136.7	-----
LZM374/34	121.7	--
LZM273/40	136.7	-----
EZ3545	151.7	-----
EZ3546	155.0	-----
MAS 275L	133.3	-----
Kanaveral	131.7	-----
DSP102940	143.3	-----
Boheminga	123.3	---
GL200854	123.3	---
Glanda	115.0	-
KXC4123	150.0	-----
KXC4131	150.0	-----
KXC4355	150.0	-----
P89699	135.0	-----
1090F449-01	126.7	----
1097F714-01	123.3	---
SB2163	138.3	-----
SA1934	133.3	-----
ES Traveler	141.7	-----
SY Opale	126.7	----
KWS Lupollino	130.0	----
P9967	131.7	-----
Galismo	116.7	-
-Bezugsgrösse(n)	125.0	---
Versuchs-Mittel	133.7	-----
VK [%]	7.2	
KGD (5%)	15.8	
KGD (1%)	21.0	
Versuchs-Streuung	9.7	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9610	47.8 -----	48.7 -----	47.3 -----	46.2 ----	47.9 ----
SY Amfora	47.5 -----	48.4 -----	48.7 -----	48.7 -----	46.2 --
KWS Editio	44.9 --	43.9 --	44.7 ----	45.4 --	44.1 -
KWS Go	44.2 -	44.4 --	42.2 --	45.2 --	45.7 --
SU Crumber	46.5 ----	46.6 ----	46.6 ----	44.6 --	48.9 ----
Armoreen	48.8 -----	51.2 -----	47.4 -----	47.0 -----	49.7 ----
SY Remco	49.9 -----	46.4 ----	49.1 -----	49.1 -----	56.6 -----
LZM374/34	44.5 -	45.8 ----	42.4 --	43.9 -	50.0 ----
LZM273/40	47.9 -----	47.4 -----	47.0 -----	46.2 ----	53.4 -----
EZ3545	49.5 -----	45.8 ----	48.3 -----	47.5 -----	54.1 -----
EZ3546	48.8 -----	48.0 -----	48.4 -----	49.4 -----	48.7 ----
MAS 275L	49.7 -----	50.0 -----	51.3 -----	48.7 -----	50.0 ----
Kanaveral	47.7 -----	48.3 -----	46.9 -----	47.3 -----	50.2 ----
DSP102940	49.3 -----	49.5 -----	50.3 -----	45.7 --	53.3 -----
Bohemia	45.5 --	47.6 ----	41.1 --	44.5 --	48.9 ----
GL200854	47.9 -----	47.1 ----	47.7 -----	45.3 --	53.3 -----
Glanda	45.1 --	41.7 -	40.6 -	47.7 -----	51.1 ----
KXC4123	50.5 -----	50.9 -----	49.4 -----	47.9 -----	52.6 -----
KXC4131	49.1 -----	46.7 ----	48.1 -----	46.2 ----	53.1 -----
KXC4355	49.5 -----	51.1 -----	47.8 -----	47.6 -----	48.2 ----
P89699	49.9 -----	49.2 -----	49.4 -----	49.7 -----	51.4 -----
1090F449-01	47.5 -----	47.5 -----	45.6 ----	49.4 -----	49.9 ----
1097F714-01	46.2 ----	48.6 -----	43.6 ----	48.1 -----	44.2 -
SB2163	49.2 -----	47.3 ----	48.5 -----	50.1 -----	51.2 ----
SA1934	48.4 -----	46.7 ----	46.2 ----	48.1 -----	52.0 -----
ES Traveler	45.3 --	45.1 ----	40.0 -	45.0 --	48.2 ----
SY Opale	45.2 --	44.3 --	42.4 --	44.8 --	48.7 ----
KWS Lupollino	47.2 ----	44.4 --	48.4 -----	46.9 ----	49.1 ----
P9967	46.9 ----	45.2 ----	46.6 ----	45.5 --	48.9 ----
Galismo	47.3 -----	43.4 --	48.6 -----	47.8 -----	54.2 -----
-Bezugsgrösse(n)	46.2 ----	46.2 ----	46.7 -----	47.1 -----	45.1 -
Versuchs-Mittel	47.6 -----	47.0 -----	46.5 -----	47.0 -----	50.1 -----
VK [%]	6.7	5.5	5.2	4.5	9.3
KGD (5%)	2.3	4.2	3.9	3.5	ns
KGD (1%)	3.0	5.6	5.2	ns	ns
Versuchs-Streuung	3.2	2.6	2.4	2.1	4.7
FG Fehlerterm	286.0	58.0	56.0	58.0	58.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1452.5	29	4.94 ***	1.51	0.0000
Anbauorte	760.7	4	18.77 ***	2.41	0.0000
WW Verf.*Anb.Orte	1558.8	116	1.33 ns	1.28	
Fehler	2897.2	286			
Insgesamt	6669.2	435			

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

Verfahren	8566	
	Ellighausen TG	
P9610	48.8	-----
SY Amfora	45.3	----
KWS Editio	46.1	-----
KWS Go	43.3	---
SU Crumber	45.7	-----
Armoreen	48.5	-----
SY Remco	48.5	-----
LZM374/34	40.4	-
LZM273/40	45.5	-----
EZ3545	51.8	-----
EZ3546	49.5	-----
MAS 275L	48.5	-----
Kanaveral	45.9	-----
DSP102940	47.5	-----
Boheminga	45.4	-----
GL200854	46.2	-----
Glanda	44.4	----
KXC4123	51.5	-----
KXC4131	51.4	-----
KXC4355	53.0	-----
P89699	50.0	-----
1090F449-01	45.2	----
1097F714-01	46.3	-----
SB2163	48.9	-----
SA1934	49.0	-----
ES Traveler	48.3	-----
SY Opale	45.8	-----
KWS Lupollino	47.0	-----
P9967	48.5	-----
Galismo	42.6	--
-Bezugsgrösse(n)	45.7	-----
Versuchs-Mittel	47.3	-----
VK [%]	7.2	
KGD (5%)	5.6	
KGD (1%)	7.5	
Versuchs-Streuung	3.4	
FG Fehlerterm	56.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	8046 Reckenholz ZH	9465 Salez
P9610	0.3 --	0.0 -	0.6 --
SY Amfora	0.3 --	0.0 -	0.5 --
KWS Editio	0.3 --	0.0 -	0.6 --
KWS Go	0.0 -	0.0 -	0.0 -
SU Crumber	0.0 -	0.0 -	0.0 -
Armoreen	1.8 -----	0.0 -	3.6 -----
SY Remco	0.0 -	0.0 -	0.0 -
LZM374/34	0.0 -	0.0 -	0.0 -
LZM273/40	0.3 --	0.0 -	0.5 --
EZ3545	1.4 -----	0.0 -	2.9 -----
EZ3546	2.0 -----	0.0 -	4.1 -----
MAS 275L	0.3 --	0.0 -	0.6 --
Kanaveral	0.6 ----	0.0 -	1.2 ----
DSP102940	0.0 -	0.0 -	0.0 -
Boheminga	0.0 -	0.0 -	0.0 -
GL200854	0.3 --	0.0 -	0.6 --
Glanda	0.3 --	0.0 -	0.6 --
KXC4123	2.0 -----	0.0 -	4.0 -----
KXC4131	0.6 ---	0.0 -	1.2 ---
KXC4355	0.0 -	0.0 -	0.0 -
P89699	0.0 -	0.0 -	0.0 -
1090F449-01	0.9 -----	0.6 -----	1.2 -----
1097F714-01	0.0 -	0.0 -	0.0 -
SB2163	0.0 -	0.0 -	0.0 -
SA1934	0.0 -	0.0 -	0.0 -
ES Traveler	0.6 ----	0.0 -	1.3 ----
SY Opale	0.0 -	0.0 -	0.0 -
KWS Lupollino	0.0 -	0.0 -	0.0 -
P9967	0.0 -	0.0 -	0.0 -
Galismo	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	0.3 --	0.0 -	0.6 --
Versuchs-Mittel	0.4 ---	0.0 -	0.8 ---
VK [%]	248.3	948.7	178.5
KGD (5%)	1.1	ns	2.3
KGD (1%)	1.5	ns	3.0
Versuchs-Streuung	1.0	0.2	1.4
FG Fehlerterm	112.0	56.0	56.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	66.7	29	2.34 ***	1.57	0.0009
Anbauorte	26.0	1	26.36 ***	3.92	0.0000
WW Verf.*Anb.Orte	65.1	29	2.28 **	1.57	0.0011
Fehler	110.3	112			
Insgesamt	268.1	171			

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

Verfahren	Seriemittel	8566 Ellighausen TG
P9610	1.1 -----	1.1 -----
SY Amfora	0.6 -----	0.6 -----
KWS Editio	0.0 -	0.0 -
KWS Go	0.0 -	0.0 -
SU Crumber	0.0 -	0.0 -
Armoreen	0.0 -	0.0 -
SY Remco	0.0 -	0.0 -
LZM374/34	0.0 -	0.0 -
LZM273/40	0.0 -	0.0 -
EZ3545	0.0 -	0.0 -
EZ3546	1.1 -----	1.1 -----
MAS 275L	0.0 -	0.0 -
Kanaveral	1.1 -----	1.1 -----
DSP102940	0.0 -	0.0 -
Boheminga	0.0 -	0.0 -
GL200854	0.5 -----	0.5 -----
Glanda	0.0 -	0.0 -
KXC4123	0.0 -	0.0 -
KXC4131	0.5 -----	0.5 -----
KXC4355	0.0 -	0.0 -
P89699	0.0 -	0.0 -
1090F449-01	0.0 -	0.0 -
1097F714-01	0.0 -	0.0 -
SB2163	0.0 -	0.0 -
SA1934	0.0 -	0.0 -
ES Traveler	0.0 -	0.0 -
SY Opale	0.0 -	0.0 -
KWS Lupollino	0.0 -	0.0 -
P9967	0.0 -	0.0 -
Galismo	0.0 -	0.0 -
-Bezugsgrösse(n)	0.3 ---	0.3 ---
Versuchs-Mittel	0.2 --	0.2 --
VK [%]	406.7	406.7
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.7	0.7
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	9465 Salez
P9610	0.0 -	0.0 -
SY Amfora	0.0 -	0.0 -
KWS Editio	0.0 -	0.0 -
KWS Go	0.0 -	0.0 -
SU Crumber	0.0 -	0.0 -
Armoreen	0.0 -	0.0 -
SY Remco	0.0 -	0.0 -
LZM374/34	0.0 -	0.0 -
LZM273/40	0.5 -----	0.5 -----
EZ3545	0.0 -	0.0 -
EZ3546	0.0 -	0.0 -
MAS 275L	0.0 -	0.0 -
Kanaveral	0.0 -	0.0 -
DSP102940	0.0 -	0.0 -
Boheminga	0.0 -	0.0 -
GL200854	0.0 -	0.0 -
Glanda	0.0 -	0.0 -
KXC4123	0.0 -	0.0 -
KXC4131	0.0 -	0.0 -
KXC4355	0.0 -	0.0 -
P89699	0.0 -	0.0 -
1090F449-01	0.0 -	0.0 -
1097F714-01	0.0 -	0.0 -
SB2163	0.0 -	0.0 -
SA1934	0.0 -	0.0 -
ES Traveler	0.6 -----	0.6 -----
SY Opale	0.0 -	0.0 -
KWS Lupollino	0.0 -	0.0 -
P9967	0.0 -	0.0 -
Galismo	0.0 -	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.0 -	0.0 -
VK [%]	666.9	666.9
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.3	0.3
FG Fehlerterm	56.0	56.0
Anz. Beob.	3.0	3.0

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	9465 Salez
P9610	5.0 ----	5.0 ----
SY Amfora	6.3 -----	6.3 -----
KWS Editio	5.7 -----	5.7 -----
KWS Go	6.3 -----	6.3 -----
SU Crumber	6.0 -----	6.0 -----
Armoreen	3.7 -	3.7 -
SY Remco	6.0 -----	6.0 -----
LZM374/34	5.7 -----	5.7 -----
LZM273/40	5.0 -----	5.0 -----
EZ3545	4.3 --	4.3 --
EZ3546	5.3 -----	5.3 -----
MAS 275L	6.0 -----	6.0 -----
Kanaveral	5.7 -----	5.7 -----
DSP102940	5.3 -----	5.3 -----
Boheminga	6.3 -----	6.3 -----
GL200854	5.7 -----	5.7 -----
Glanda	5.3 -----	5.3 -----
KXC4123	6.0 -----	6.0 -----
KXC4131	6.7 -----	6.7 -----
KXC4355	7.3 -----	7.3 -----
P89699	4.0 -	4.0 -
1090F449-01	4.7 ---	4.7 ---
1097F714-01	3.7 -	3.7 -
SB2163	7.7 -----	7.7 -----
SA1934	8.0 -----	8.0 -----
ES Traveler	5.3 -----	5.3 -----
SY Opale	6.7 -----	6.7 -----
KWS Lupollino	4.0 -	4.0 -
P9967	4.0 -	4.0 -
Galismo	5.3 -----	5.3 -----
-Bezugsgrösse(n)	6.0 -----	6.0 -----
Versuchs-Mittel	5.6 -----	5.6 -----
VK [%]	19.5	19.5
KGD (5%)	1.8	1.8
KGD (1%)	2.4	2.4
Versuchs-Streuung	1.1	1.1
FG Fehlerterm	56.0	56.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9610	0.6 -	1.8 -	0.4 --	1.1 --	0.6 ---
SY Amfora	3.4 ---	8.0 --	2.1 -----	2.2 ---	0.0 -
KWS Editio	7.6 -----	12.8 ---	0.7 ---	3.7 -----	2.3 -----
KWS Go	2.7 --	3.5 -	3.5 -----	2.1 ---	0.0 -
SU Crumber	1.3 -	3.5 -	0.4 --	0.0 -	2.4 -----
Armoreen	2.5 --	7.3 --	1.8 -----	0.3 -	1.2 -----
SY Remco	7.1 -----	13.6 ---	1.1 ---	4.3 -----	1.7 -----
LZM374/34	1.8 -	2.5 -	0.0 -	1.0 --	0.5 ---
LZM273/40	2.8 --	5.2 --	2.9 -----	2.1 ---	0.5 ---
EZ3545	2.5 --	3.3 -	1.4 -----	0.7 --	0.0 -
EZ3546	2.6 --	4.7 --	1.4 -----	2.2 ---	0.0 -
MAS 275L	1.7 -	1.8 -	0.3 --	0.0 -	1.2 -----
Kanaveral	4.1 ---	14.2 ---	1.4 -----	0.7 -	0.0 -
DSP102940	5.4 ---	6.8 --	2.9 -----	1.7 ---	0.0 -
Bohemia	1.5 -	2.0 -	1.1 ---	0.0 -	0.0 -
GL200854	1.3 -	2.9 -	0.0 -	0.4 -	0.0 -
Glanda	0.8 -	1.1 -	0.0 -	0.0 -	1.1 -----
KXC4123	0.7 -	1.1 -	0.0 -	0.0 -	0.0 -
KXC4131	3.9 ---	8.0 ---	0.7 ---	2.1 ---	0.0 -
KXC4355	3.7 ---	12.9 ---	0.0 -	0.4 -	1.1 -----
P89699	2.3 --	3.6 -	0.7 ---	0.0 -	1.1 -----
1090F449-01	2.7 --	7.6 --	1.4 -----	0.0 -	0.6 ---
1097F714-01	1.7 -	2.9 -	1.4 -----	0.7 --	1.2 -----
SB2163	2.4 --	7.0 --	0.3 --	3.5 -----	1.1 -----
SA1934	13.7 -----	37.7 -----	3.5 -----	7.7 -----	0.6 ---
ES Traveler	3.2 ---	3.7 -	2.3 -----	3.7 -----	1.1 -----
SY Opale	2.7 --	7.1 --	1.1 ---	1.4 --	1.7 -----
KWS Lupollino	0.9 -	2.4 -	0.0 -	0.3 -	1.1 -----
P9967	2.3 --	4.7 --	1.5 -----	1.2 --	1.7 -----
Galismo	9.1 -----	9.2 ---	2.7 -----	6.0 -----	1.1 -----
-Bezugsgrösse(n)	5.5 ---	10.4 ---	1.4 -----	3.0 ---	1.2 -----
Versuchs-Mittel	3.3 ---	6.8 --	1.2 -----	1.6 ---	0.8 -----
VK [%]	106.8	57.0	132.8	124.6	149.5
KGD (5%)	2.3	6.3	ns	3.4	ns
KGD (1%)	3.0	8.4	ns	4.5	ns
Versuchs-Streuung	3.5	3.9	1.6	2.1	1.2
FG Fehlerterm	342.0	56.0	58.0	56.0	56.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4156.8	29	11.58 ***	1.50	0.0000
Anbauorte	2833.8	5	45.80 ***	2.24	0.0000
WW Verf.*Anb.Orte	4804.2	145	2.68 ***	1.25	0.0001
Fehler	4231.9	342			
Insgesamt	16026.6	521			

Charbon [%] / Beulenbrand [%]

Verfahren	8566 Ellighausen TG	9465 Salez
P9610	0.0 -	0.0 -
SY Amfora	4.5 ---	3.5 --
KWS Editio	13.7 -----	12.1 -----
KWS Go	5.6 ----	1.7 -
SU Crumber	0.7 -	0.6 -
Armoreen	0.6 -	3.5 --
SY Remco	5.7 ----	16.3 -----
LZM374/34	1.7 --	5.0 ---
LZM273/40	1.7 --	4.5 --
EZ3545	1.2 -	8.1 ----
EZ3546	4.0 ---	3.5 --
MAS 275L	4.5 ---	2.4 --
Kanaveral	2.7 --	5.4 ---
DSP102940	9.1 -----	11.9 -----
Boheminga	5.8 ----	0.0 -
GL200854	1.7 --	2.9 --
Glanda	0.6 -	1.8 -
KXC4123	0.0 -	3.3 --
KXC4131	2.7 --	9.7 -----
KXC4355	4.4 ---	3.3 --
P89699	1.7 --	6.6 ---
1090F449-01	1.7 --	4.8 ---
1097F714-01	0.6 -	3.3 --
SB2163	0.6 -	1.8 -
SA1934	8.6 -----	24.1 -----
ES Traveler	1.2 -	6.9 ---
SY Opale	1.7 --	3.5 --
KWS Lupollino	0.5 -	1.1 -
P9967	1.1 -	3.3 --
Galismo	17.0 -----	18.8 -----
-Bezugsgrösse(n)	9.1 -----	7.8 ----
Versuchs-Mittel	3.5 ---	5.8 ---
VK [%]	102.4	105.7
KGD (5%)	5.9	10.0
KGD (1%)	7.8	13.3
Versuchs-Streuung	3.6	6.1
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
P9610	3.3 -----	3.3 -----
SY Amfora	2.7 ----	2.7 ----
KWS Editio	2.3 ----	2.3 ----
KWS Go	3.0 -----	3.0 -----
SU Crumber	2.0 ---	2.0 ---
Armoreen	3.0 -----	3.0 -----
SY Remco	3.0 -----	3.0 -----
LZM374/34	2.7 ----	2.7 ----
LZM273/40	1.3 -	1.3 -
EZ3545	2.7 ----	2.7 ----
EZ3546	3.0 -----	3.0 -----
MAS 275L	4.3 -----	4.3 -----
Kanaveral	2.3 ----	2.3 ----
DSP102940	2.0 ---	2.0 ---
Boheminga	3.0 -----	3.0 -----
GL200854	4.0 -----	4.0 -----
Glanda	3.7 -----	3.7 -----
KXC4123	1.7 --	1.7 --
KXC4131	2.7 ----	2.7 ----
KXC4355	2.0 ---	2.0 ---
P89699	2.7 ----	2.7 ----
1090F449-01	1.7 --	1.7 --
1097F714-01	2.0 ---	2.0 ---
SB2163	3.3 -----	3.3 -----
SA1934	2.3 ----	2.3 ----
ES Traveler	4.3 -----	4.3 -----
SY Opale	4.7 -----	4.7 -----
KWS Lupollino	2.7 ----	2.7 ----
P9967	1.3 -	1.3 -
Galismo	2.7 ----	2.7 ----
-Bezugsgrösse(n)	2.5 ----	2.5 ----
Versuchs-Mittel	2.7 ----	2.7 ----
VK [%]	28.5	28.5
KGD (5%)	1.3	1.3
KGD (1%)	1.7	1.7
Versuchs-Streuung	0.8	0.8
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	8.5 ----	9.2 -----	7.8 -	9.1 ----	9.1 -----
SY Amfora	8.7 -----	9.1 -----	7.8 -	9.5 -----	9.2 -----
KWS Editio	8.8 -----	8.9 ---	7.8 -	9.7 -----	9.8 -----
KWS Go	8.9 -----	9.4 -----	7.8 -	9.5 -----	9.5 -----
SU Crumber	8.2 -	8.7 -	7.8 -	8.8 -	8.2 -
Armoreen	8.7 -----	9.2 -----	7.8 -	9.0 --	9.3 -----
SY Remco	8.6 -----	9.0 ----	7.8 -	9.3 -----	8.9 -----
LZM374/34	9.0 -----	9.4 -----	7.8 -	9.6 -----	9.7 -----
LZM273/40	8.8 -----	9.2 -----	7.8 -	9.1 ----	9.6 -----
EZ3545	8.6 -----	9.0 ----	7.8 -	9.3 -----	9.4 -----
EZ3546	8.8 -----	9.3 -----	7.8 -	9.6 -----	9.4 -----
MAS 275L	8.7 -----	9.3 -----	7.8 -	9.5 -----	9.0 -----
Kanaveral	8.9 -----	9.4 -----	7.8 -	9.8 -----	9.5 -----
DSP102940	8.8 -----	9.4 -----	7.8 -	9.5 -----	9.5 -----
Bohemia	8.7 -----	8.9 --	7.8 -	9.5 -----	9.7 -----
GL200854	8.7 -----	9.2 -----	7.8 -	9.3 ----	9.5 -----
Glanda	8.7 -----	9.1 -----	7.8 -	9.5 -----	8.8 ----
KXC4123	8.8 -----	9.3 -----	7.8 -	9.7 -----	9.6 -----
KXC4131	8.9 -----	9.5 -----	7.8 -	9.7 -----	9.6 -----
KXC4355	9.0 -----	9.6 -----	7.8 -	9.7 -----	9.5 -----
P89699	8.7 -----	9.2 -----	7.8 -	9.4 -----	9.2 -----
1090F449-01	8.8 -----	9.3 -----	7.8 -	9.6 -----	9.5 -----
1097F714-01	8.7 -----	9.4 -----	7.8 -	9.2 ----	9.2 -----
SB2163	8.9 -----	9.5 -----	7.8 -	9.6 -----	9.5 -----
SA1934	8.9 -----	9.3 -----	7.8 -	9.5 -----	9.6 -----
ES Traveler	8.4 ---	9.0 ----	7.8 -	8.8 -	8.5 ---
SY Opale	8.8 -----	9.4 -----	7.8 -	9.5 -----	9.2 -----
KWS Lupollino	9.0 -----	9.6 -----	7.8 -	9.5 -----	9.8 -----
P9967	8.6 -----	9.2 -----	7.8 -	9.0 --	8.9 -----
Galismo	9.0 -----	9.4 -----	7.8 -	9.8 -----	9.5 -----
-Bezugsgrösse(n)	8.8 -----	9.0 ----	7.8 -	9.6 -----	9.5 -----
Versuchs-Mittel	8.8 -----	9.2 -----	7.8 -	9.4 -----	9.3 -----
VK [%]	3.6	3.1	0.0	3.0	3.1
KGD (5%)	0.2	0.5	ns	0.5	0.5
KGD (1%)	0.3	ns	ns	0.6	0.6
Versuchs-Streuung	0.3	0.3	0.0	0.3	0.3
FG Fehlerterm	396.0	56.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	18.3	29	6.28 ***		1.50	0.0000
Anbauorte	197.8	6	328.48 ***		2.12	0.0000
WW Verf.*Anb.Orte	24.2	174	1.39 ns		1.23	
Fehler	39.7	396				
Insgesamt	280.0	605				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	7.8 -	8.5 -----	7.9 -
SY Amfora	8.7 -----	8.5 -----	8.4 -----
KWS Editio	8.3 -----	8.6 -----	8.4 -----
KWS Go	8.5 -----	8.6 -----	8.7 -----
SU Crumber	8.2 ----	7.8 -	8.3 ----
Armoreen	8.4 -----	8.6 -----	8.5 -----
SY Remco	8.5 -----	8.6 -----	8.1 ---
LZM374/34	8.9 -----	8.4 -----	8.9 -----
LZM273/40	8.6 -----	8.7 -----	8.7 -----
EZ3545	8.2 ----	8.0 --	8.5 -----
EZ3546	8.4 -----	8.6 -----	8.4 -----
MAS 275L	8.3 ----	8.6 -----	8.1 --
Kanaveral	8.6 -----	8.7 -----	8.6 -----
DSP102940	8.7 -----	8.5 -----	8.5 -----
Boheminga	8.0 --	8.7 -----	8.2 ----
GL200854	8.4 -----	8.6 -----	8.4 -----
Glanda	8.6 -----	8.7 -----	8.3 -----
KXC4123	8.3 ----	8.6 -----	8.3 ----
KXC4131	8.6 -----	8.8 -----	8.0 -
KXC4355	8.8 -----	8.9 -----	8.7 -----
P89699	8.3 ----	8.9 -----	8.1 ---
1090F449-01	8.7 -----	8.4 -----	8.1 ---
1097F714-01	8.4 -----	8.3 -----	8.7 -----
SB2163	8.6 -----	8.6 -----	8.6 -----
SA1934	8.7 -----	8.6 -----	8.7 -----
ES Traveler	8.8 -----	8.0 --	8.0 -
SY Opale	9.1 -----	8.6 -----	8.4 -----
KWS Lupollino	8.6 -----	9.0 -----	8.8 -----
P9967	8.2 ----	8.6 -----	8.6 -----
Galismo	8.8 -----	8.7 -----	8.7 -----
-Bezugsgrösse(n)	8.5 -----	8.5 -----	8.4 -----
Versuchs-Mittel	8.5 -----	8.6 -----	8.4 -----
VK [%]	5.5	4.0	4.1
KGD (5%)	ns	0.6	0.6
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.5	0.3	0.3
FG Fehlerterm	58.0	56.0	56.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	597.9 ---	618.2 -----	511.5 -----	539.3 ----	617.8 -
SY Amfora	619.2 ----	627.5 -----	563.0 -----	554.9 ----	684.6 -----
KWS Editio	566.4 -	582.9 ---	505.5 ----	481.6 -	637.3 --
KWS Go	626.3 ----	616.0 ----	537.5 -----	579.1 -----	664.8 ----
SU Crumber	612.8 ----	605.0 ----	506.1 ----	583.2 -----	708.6 -----
Armoreen	663.5 -----	606.3 ----	523.4 ----	619.2 -----	724.0 -----
SY Remco	621.8 ----	534.3 -	533.9 -----	554.3 ----	685.7 ----
LZM374/34	706.5 -----	663.7 -----	608.8 -----	643.1 -----	742.6 -----
LZM273/40	659.7 -----	612.9 ----	592.7 -----	613.3 -----	666.2 ----
EZ3545	674.0 -----	610.0 ----	544.1 -----	634.2 -----	766.4 -----
EZ3546	679.3 -----	636.4 ----	552.5 -----	637.3 -----	757.8 -----
MAS 275L	616.6 ----	594.3 ----	531.1 -----	594.4 -----	640.6 --
Kanaveral	574.3 -	525.8 -	464.9 --	515.4 ---	662.0 ----
DSP102940	560.8 -	541.3 -	443.6 -	514.4 ---	616.8 -
Boheminga	628.8 ----	637.5 -----	557.7 -----	582.1 -----	668.9 ----
GL200854	610.7 ----	640.0 -----	521.4 ----	622.3 -----	675.9 ----
Glanda	589.9 --	599.1 ----	486.9 ---	518.8 ---	625.6 -
KXC4123	670.0 -----	652.0 -----	535.1 -----	608.0 -----	711.6 -----
KXC4131	605.4 ---	604.2 ----	467.9 --	551.5 ----	642.4 --
KXC4355	652.2 -----	630.4 ----	556.2 -----	562.3 -----	677.2 ----
P89699	626.3 ----	673.2 -----	523.8 ----	529.0 ----	683.4 ----
1090F449-01	663.8 -----	723.9 -----	567.4 -----	618.1 -----	680.2 ----
1097F714-01	643.7 ----	618.0 ----	559.4 -----	578.6 -----	682.6 ----
SB2163	607.5 ----	562.9 --	524.8 ----	550.4 ----	741.0 -----
SA1934	597.8 ---	583.4 ----	548.7 -----	515.0 ---	650.0 ---
ES Traveler	591.3 ---	546.7 --	537.6 -----	545.4 ----	615.8 -
SY Opale	581.9 --	538.0 -	452.6 -	533.8 ----	666.2 ----
KWS Lupollino	616.6 ----	586.6 ----	490.2 ---	579.1 -----	674.0 ----
P9967	715.4 -----	673.1 -----	592.1 -----	613.6 -----	762.0 -----
Galismo	596.5 ---	587.7 ----	519.3 ----	510.9 --	650.9 ---
-Bezugsgrösse(n)	592.8 ---	605.2 -----	534.2 -----	518.2 ---	660.9 ----
Versuchs-Mittel	625.9 ----	607.7 ----	528.7 -----	569.4 -----	679.4 -----
VK [%]	5.6	7.0	4.3	4.9	4.9
KGD (5%)	21.2	69.8	36.9	46.1	54.8
KGD (1%)	27.9	92.9	49.1	61.3	72.9
Versuchs-Streuung	34.9	42.7	22.5	28.2	33.5
FG Fehlerterm	392.0	56.0	56.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	951814.7	29	26.99 ***	1.50	0.0000
Anbauorte	2477654.3	6	339.56 ***	2.12	0.0000
WW Verf.*Anb.Orte	583333.7	174	2.76 ***	1.23	0.0001
Fehler	476721.8	392			
Insgesamt	4489524.5	601			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	695.2 ---	619.9 ----	583.6 ---
SY Amfora	687.0 ---	585.4 ---	632.1 -----
KWS Editio	648.0 -	550.3 -	559.1 ---
KWS Go	704.8 ---	635.4 -----	646.2 -----
SU Crumber	733.5 -----	599.7 ---	553.5 --
Armoreen	753.4 -----	680.6 -----	737.3 -----
SY Remco	755.4 -----	652.8 -----	636.0 ----
LZM374/34	823.3 -----	685.5 -----	778.5 -----
LZM273/40	786.0 -----	665.0 -----	681.5 -----
EZ3545	766.0 -----	656.1 -----	741.3 -----
EZ3546	789.6 -----	711.8 -----	669.7 -----
MAS 275L	748.6 -----	614.2 ----	592.7 ----
Kanaveral	662.7 --	553.9 -	635.1 ----
DSP102940	629.3 -	547.3 -	633.0 ----
Boheminga	740.8 -----	659.1 -----	555.2 --
GL200854	717.0 ----	591.1 ---	507.2 -
Glanda	685.3 ---	570.7 --	642.8 -----
KXC4123	797.8 -----	703.6 -----	681.8 -----
KXC4131	754.9 -----	640.0 ----	577.0 ---
KXC4355	773.0 -----	739.5 -----	626.7 ----
P89699	702.9 ---	628.7 ----	643.3 -----
1090F449-01	756.1 -----	680.7 -----	620.5 ----
1097F714-01	774.3 -----	639.9 ----	653.4 -----
SB2163	738.3 -----	604.9 ----	530.3 -
SA1934	731.4 ----	600.8 ---	554.9 --
ES Traveler	687.6 ---	632.8 -----	573.3 ---
SY Opale	681.6 ---	620.7 ----	580.2 ---
KWS Lupollino	711.0 ----	602.5 ---	673.1 -----
P9967	895.8 -----	727.8 -----	743.1 -----
Galismo	680.5 ---	605.2 ----	620.9 ----
-Bezugsgrösse(n)	667.5 --	567.8 --	595.6 ----
Versuchs-Mittel	733.7 -----	633.5 -----	628.8 -----
VK [%]	4.6	5.3	7.1
KGD (5%)	55.3	55.4	72.8
KGD (1%)	73.6	73.8	96.8
Versuchs-Streuung	33.8	33.8	44.5
FG Fehlerterm	58.0	54.0	56.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	225.7 ---	241.2 ----	180.3 ----	237.8 ----	236.5 --
SY Amfora	230.7 ----	237.0 ----	199.5 -----	238.7 ----	244.7 ---
KWS Editio	223.4 --	260.4 -----	190.0 -----	222.5 --	238.9 --
KWS Go	235.5 ----	258.4 -----	201.2 -----	248.6 ----	234.9 --
SU Crumber	219.6 -	234.8 ---	172.1 --	221.3 -	247.9 ----
Armoreen	236.8 ----	227.6 --	180.7 ----	254.9 ----	247.0 ---
SY Remco	239.6 -----	243.0 ----	189.8 ----	250.9 ----	248.6 ----
LZM374/34	252.8 -----	248.7 ----	209.8 -----	258.7 ----	253.3 ----
LZM273/40	242.0 -----	221.3 -	198.7 -----	270.0 -----	246.7 ---
EZ3545	252.9 -----	234.1 ---	200.5 -----	270.6 -----	296.0 -----
EZ3546	253.7 -----	244.5 ----	201.1 -----	274.5 -----	280.5 -----
MAS 275L	225.2 ---	227.5 --	180.1 ----	248.6 ----	228.2 -
Kanaveral	226.7 ---	227.0 --	178.8 ----	234.2 ----	249.8 ----
DSP102940	218.1 -	226.8 --	173.7 --	222.1 --	239.3 --
Bohemia	231.2 ----	258.5 -----	189.3 ----	235.4 ----	248.1 ----
GL200854	230.6 ----	245.8 ----	186.6 ----	270.1 -----	238.4 --
Glanda	220.8 -	254.2 -----	179.3 ----	216.3 -	233.3 -
KXC4123	240.7 -----	241.6 ----	190.3 ----	244.0 ----	251.3 ----
KXC4131	231.2 ----	236.4 ----	180.1 ----	258.6 -----	229.6 -
KXC4355	241.0 -----	225.9 --	196.0 -----	244.1 ----	263.8 -----
P89699	234.6 ----	272.7 -----	183.9 ----	242.6 ----	248.9 ----
1090F449-01	242.0 -----	269.8 -----	192.2 ----	259.2 -----	263.1 -----
1097F714-01	236.3 ----	241.7 ----	196.0 ----	258.3 -----	259.8 ----
SB2163	232.8 ----	222.3 -	193.0 ----	246.7 ----	263.2 -----
SA1934	227.4 ---	234.0 ---	202.0 -----	224.1 --	236.2 --
ES Traveler	224.6 --	231.3 ---	192.0 ----	225.1 --	238.1 --
SY Opale	224.1 --	229.9 --	165.3 -	240.7 ----	251.2 ----
KWS Lupollino	232.6 ----	223.4 -	184.3 ----	243.4 ----	259.6 ----
P9967	251.4 -----	248.6 ----	197.7 ----	273.2 -----	248.8 ----
Galismo	235.6 ----	245.8 ----	196.3 ----	247.5 ----	234.7 --
-Bezugsgrösse(n)	227.0 ---	248.7 -----	194.8 -----	230.6 ---	241.8 ---
Versuchs-Mittel	234.0 ----	240.5 ----	189.4 ----	246.1 ----	248.7 ----
VK [%]	6.8	9.9	4.0	6.0	8.0
KGD (5%)	9.6	ns	12.4	24.1	ns
KGD (1%)	12.7	ns	16.5	32.1	ns
Versuchs-Streuung	15.9	23.8	7.6	14.7	20.0
FG Fehlerterm	395.0	55.0	58.0	56.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	60652.9	29	8.28 ***	1.50	0.0000
Anbauorte	233794.7	6	154.18 ***	2.12	0.0000
WW Verf.*Anb.Orte	70430.0	174	1.60 ns	1.23	
Fehler	99827.9	395			
Insgesamt	464705.5	604			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	223.1 -	226.7 -----	234.3 ----
SY Amfora	235.6 ---	217.6 ----	242.0 -----
KWS Editio	223.7 -	212.8 ----	215.2 -
KWS Go	239.5 ----	222.4 ----	243.6 -----
SU Crumber	220.0 -	212.6 ----	228.2 ---
Armoreen	246.5 ----	237.4 -----	263.7 -----
SY Remco	262.8 -----	237.8 -----	244.5 ----
LZM374/34	270.3 -----	246.0 -----	283.0 -----
LZM273/40	262.3 -----	237.3 -----	258.0 -----
EZ3545	258.6 -----	239.6 -----	270.7 -----
EZ3546	265.3 -----	251.9 -----	257.8 -----
MAS 275L	246.0 ----	209.7 ---	236.6 ----
Kanaveral	238.3 ----	211.7 ---	246.8 ----
DSP102940	227.6 --	197.5 -	239.8 ----
Boheminga	239.9 ----	225.1 ----	222.1 --
GL200854	238.9 ----	221.4 ----	213.0 -
Glanda	236.3 ---	193.7 -	232.6 ---
KXC4123	264.4 -----	238.0 -----	255.2 -----
KXC4131	244.9 ----	237.7 -----	231.2 ---
KXC4355	251.7 -----	258.5 -----	246.9 ----
P89699	222.3 -	230.6 -----	241.4 ----
1090F449-01	240.6 ----	231.2 -----	237.7 ----
1097F714-01	234.8 ---	222.9 ----	240.6 ----
SB2163	249.0 -----	229.5 -----	225.8 --
SA1934	246.3 ----	215.9 ---	233.7 ----
ES Traveler	235.6 ---	225.0 ----	225.1 --
SY Opale	226.3 --	223.9 ----	231.4 ---
KWS Lupollino	242.2 ----	224.8 ----	250.2 -----
P9967	277.6 -----	251.8 -----	261.8 -----
Galismo	239.8 ----	234.4 -----	250.3 -----
-Bezugsgrösse(n)	229.6 --	215.2 ----	228.6 ---
Versuchs-Mittel	243.7 -----	227.5 -----	242.1 -----
VK [%]	5.5	4.8	6.2
KGD (5%)	22.1	17.7	24.7
KGD (1%)	29.4	23.6	32.9
Versuchs-Streuung	13.5	10.8	15.1
FG Fehlerterm	56.0	54.0	58.0
Anz. Beob.	3.0	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	38.0 -----	39.1 ----	35.3 ----	44.2 -----	38.5 -----
SY Amfora	37.4 -----	37.6 --	35.4 ----	43.1 -----	35.8 -----
KWS Editio	39.7 -----	44.7 -----	37.6 -----	46.4 -----	37.5 -----
KWS Go	37.8 -----	41.8 -----	37.4 -----	43.0 -----	35.5 -----
SU Crumber	36.2 --	38.9 ----	34.0 --	37.9 -	35.0 ----
Armoreen	35.8 -	37.7 --	34.5 ---	41.2 ----	34.1 ---
SY Remco	39.0 -----	46.1 -----	35.6 ----	45.3 -----	36.2 -----
LZM374/34	35.9 --	37.5 --	34.5 --	40.3 ---	34.2 ---
LZM273/40	36.8 ----	36.0 -	33.5 -	44.3 -----	37.0 -----
EZ3545	37.7 -----	38.6 ---	36.8 -----	42.7 -----	38.6 -----
EZ3546	37.5 -----	38.6 ---	36.4 -----	43.2 -----	37.0 -----
MAS 275L	36.7 ---	38.1 ---	33.9 -	41.9 ----	35.8 -----
Kanaveral	39.7 -----	43.3 -----	38.5 -----	45.5 -----	37.7 -----
DSP102940	39.1 -----	42.2 -----	39.2 -----	43.3 -----	38.8 -----
Boheminga	37.0 ----	40.5 -----	34.0 --	40.7 ---	37.1 -----
GL200854	37.8 -----	37.0 --	35.8 ----	43.5 -----	35.3 -----
Glanda	37.6 -----	42.4 -----	36.8 -----	41.8 ----	37.3 -----
KXC4123	36.1 --	37.2 --	35.5 ----	40.2 ---	35.4 -----
KXC4131	38.7 -----	39.5 ----	38.6 -----	47.0 -----	35.8 -----
KXC4355	37.3 -----	35.9 -	35.3 ----	43.4 -----	39.1 -----
P89699	37.7 -----	40.5 -----	35.1 ----	45.9 -----	36.5 -----
1090F449-01	36.5 ---	37.3 --	33.9 -	41.9 ----	38.6 -----
1097F714-01	37.0 ----	39.2 ----	35.0 ---	44.6 -----	38.0 -----
SB2163	38.7 -----	39.5 ----	36.8 -----	44.8 -----	35.5 -----
SA1934	38.4 -----	40.1 -----	36.8 -----	43.6 -----	36.4 -----
ES Traveler	38.2 -----	42.3 -----	35.7 ----	41.3 ----	38.6 -----
SY Opale	38.8 -----	42.8 -----	36.6 -----	45.0 -----	37.7 -----
KWS Lupollino	37.9 -----	38.1 ---	37.6 -----	42.1 -----	38.6 -----
P9967	35.5 -	37.2 --	33.4 -	44.6 -----	32.8 -
Galismo	39.8 -----	41.8 -----	37.9 -----	48.6 -----	36.1 -----
-Bezugsgrösse(n)	38.5 -----	41.2 -----	36.5 -----	44.7 -----	36.6 -----
Versuchs-Mittel	37.7 -----	39.7 ----	35.9 ----	43.4 -----	36.7 -----
VK [%]	5.4	9.1	2.5	4.5	7.2
KGD (5%)	1.2	ns	1.5	3.2	ns
KGD (1%)	1.6	ns	1.9	4.3	ns
Versuchs-Streuung	2.0	3.6	0.9	2.0	2.6
FG Fehlerterm	390.0	55.0	56.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	854.4	29	7.06 ***	1.50	0.0000
Anbauorte	5765.9	6	230.30 ***	2.12	0.0000
WW Verf.*Anb.Orte	1324.7	174	1.82 ***	1.23	0.0006
Fehler	1627.3	390			
Insgesamt	9572.2	599			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	32.1 ----	36.6 -----	40.2 -----
SY Amfora	34.3 -----	37.3 -----	38.3 -----
KWS Editio	34.5 -----	38.7 -----	38.4 -----
KWS Go	33.9 -----	35.0 ---	37.7 ---
SU Crumber	30.0 -	35.4 ----	42.0 -----
Armoreen	32.7 ----	34.9 ---	35.8 -
SY Remco	34.8 -----	36.4 -----	38.4 -----
LZM374/34	32.8 ----	35.9 ----	36.4 --
LZM273/40	33.4 ----	35.7 ----	38.0 ----
EZ3545	33.8 -----	36.5 -----	36.6 --
EZ3546	33.6 -----	35.4 ----	38.5 -----
MAS 275L	32.9 ----	34.1 -	40.0 -----
Kanaveral	35.9 -----	38.3 -----	38.9 -----
DSP102940	36.2 -----	36.1 ----	37.9 ----
Boheminga	32.4 ----	34.1 -	40.0 -----
GL200854	33.3 ----	37.5 -----	42.0 -----
Glanda	34.5 -----	33.9 -	36.2 --
KXC4123	33.1 ----	33.8 -	37.4 ---
KXC4131	32.5 ----	37.2 -----	40.0 -----
KXC4355	32.5 ----	35.2 ---	39.4 -----
P89699	31.6 ---	36.8 -----	37.7 ----
1090F449-01	31.8 ----	33.9 -	38.3 -----
1097F714-01	30.3 -	34.8 ---	36.9 ---
SB2163	33.7 -----	37.9 -----	42.9 -----
SA1934	33.7 -----	36.0 ----	42.1 -----
ES Traveler	34.3 -----	35.6 ----	39.5 -----
SY Opale	33.2 -----	36.1 ----	39.9 -----
KWS Lupollino	34.1 -----	37.3 -----	37.3 ---
P9967	31.0 --	34.6 --	35.2 -
Galismo	35.2 -----	38.7 -----	40.3 -----
-Bezugsgrösse(n)	34.4 -----	38.0 -----	38.4 -----
Versuchs-Mittel	33.3 -----	36.0 ----	38.7 -----
VK [%]	2.6	3.7	3.8
KGD (5%)	1.4	2.2	2.4
KGD (1%)	1.9	2.9	3.2
Versuchs-Streuung	0.9	1.3	1.5
FG Fehlerterm	56.0	55.0	56.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1567 Delley FR		1896 Vouvry		3065 Habstetten	
P9610	165.6	--	166.3	---	138.0	--	183.3	----	171.5	-
SY Amfora	175.1	----	172.0	---	158.8	-----	185.0	----	188.0	---
KWS Editio	171.7	----	199.9	-----	156.4	-----	176.5	----	182.7	---
KWS Go	176.2	-----	191.5	-----	156.1	-----	194.7	-----	170.4	-
SU Crumber	167.6	---	177.0	---	137.6	--	173.6	---	191.9	----
Armoreen	174.6	----	158.1	-	143.0	---	198.9	-----	174.9	--
SY Remco	180.8	-----	186.1	-----	149.5	-----	193.9	-----	185.3	---
LZM374/34	188.6	-----	181.4	-----	166.7	-----	195.9	-----	188.6	---
LZM273/40	178.7	-----	165.4	---	154.2	-----	199.7	-----	181.1	---
EZ3545	187.4	-----	160.5	--	158.8	-----	205.4	-----	220.4	-----
EZ3546	187.1	-----	169.4	---	159.3	-----	208.4	-----	206.5	-----
MAS 275L	172.3	----	163.8	---	143.8	---	200.8	-----	174.3	-
Kanaveral	168.8	---	163.1	--	143.5	---	175.9	---	188.6	----
DSP102940	162.5	-	154.7	-	139.1	---	173.4	---	178.6	--
Boheminga	176.1	-----	205.6	-----	149.9	-----	174.2	---	191.7	----
GL200854	175.4	-----	189.0	-----	151.7	-----	206.4	-----	179.7	--
Glanda	163.5	-	180.1	-----	141.6	---	161.1	-	178.6	--
KXC4123	177.7	-----	175.8	----	147.0	----	182.0	----	181.6	---
KXC4131	172.9	----	170.6	----	140.7	---	202.9	-----	174.0	-
KXC4355	181.9	-----	160.0	--	156.5	-----	191.7	-----	205.9	-----
P89699	172.5	----	192.5	-----	139.7	---	177.6	----	193.0	-----
1090F449-01	179.0	-----	188.5	-----	142.7	----	194.8	-----	203.1	-----
1097F714-01	176.8	-----	172.7	----	151.6	-----	202.0	-----	199.4	-----
SB2163	174.4	-----	161.2	--	153.2	-----	185.9	-----	200.8	-----
SA1934	169.4	---	165.4	---	159.4	-----	172.3	---	177.0	--
ES Traveler	166.1	--	160.4	--	150.7	-----	173.5	---	178.4	--
SY Opale	168.5	---	169.2	----	131.4	-	184.1	----	191.6	----
KWS Lupollino	170.6	----	153.5	-	141.4	---	183.1	----	194.8	----
P9967	186.2	-----	168.1	---	155.1	-----	213.9	-----	186.8	----
Galismo	178.3	-----	179.1	-----	156.9	-----	197.7	-----	181.6	---
-Bezugsgrösse(n)	173.4	----	186.0	-----	157.6	-----	180.8	----	185.3	----
Versuchs-Mittel	174.9	----	173.4	----	149.1	-----	189.0	-----	187.4	----
VK [%]	8.7		14.6		4.7		8.1		9.6	
KGD (5%)	9.2		ns		11.5		25.1		ns	
KGD (1%)	12.2		ns		15.3		33.4		ns	
Versuchs-Streuung	15.2		25.3		7.0		15.3		18.0	
FG Fehlerterm	393.0		53.0		58.0		56.0		58.0	
Anz. Beob.	21.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	29738.1	29	4.42	***	1.50	0.0000
Anbauorte	107360.9	6	77.16	***	2.12	0.0000
WW Verf.*Anb.Orte	52885.2	174	1.31	ns	1.23	
Fehler	91141.7	393				
Insgesamt	281126.0	602				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	170.5 -	167.6 ----	161.8 ---
SY Amfora	181.8 ----	164.5 ----	175.3 -----
KWS Editio	175.9 --	156.8 ---	153.9 -
KWS Go	186.1 ----	164.4 ----	170.1 ----
SU Crumber	169.9 -	160.8 ----	162.4 ---
Armoreen	187.5 ----	172.5 ----	187.3 -----
SY Remco	200.1 -----	178.1 -----	172.8 ----
LZM374/34	207.2 -----	181.2 -----	199.1 -----
LZM273/40	198.6 -----	176.6 -----	175.1 ----
EZ3545	197.4 -----	179.1 -----	190.1 -----
EZ3546	200.5 -----	181.5 -----	183.9 -----
MAS 275L	189.5 -----	157.5 ---	176.2 -----
Kanaveral	181.8 ----	157.7 ---	171.1 ----
DSP102940	175.7 --	147.5 -	168.5 ----
Boheminga	183.3 ----	172.9 ----	155.3 -
GL200854	183.0 ----	166.2 ----	151.6 -
Glanda	175.8 --	143.2 -	164.2 ---
KXC4123	201.8 -----	175.3 -----	180.2 -----
KXC4131	187.1 ----	176.1 -----	158.8 --
KXC4355	193.6 -----	194.6 -----	171.0 ----
P89699	168.1 -	172.8 ----	164.0 ---
1090F449-01	183.6 ----	175.6 -----	165.1 ---
1097F714-01	177.8 ---	171.6 ----	162.2 ---
SB2163	188.0 ----	171.8 ----	159.7 --
SA1934	186.5 ----	161.9 ---	163.0 ---
ES Traveler	178.5 ---	165.6 ----	155.5 -
SY Opale	171.7 -	166.8 ----	164.9 ---
KWS Lupollino	180.5 ----	166.3 ----	174.8 ----
P9967	210.3 -----	189.7 -----	179.9 -----
Galismo	183.3 ----	171.3 ----	178.3 -----
-Bezugsgrösse(n)	178.9 ---	160.7 ----	164.6 ---
Versuchs-Mittel	185.8 ----	169.6 -----	169.9 ----
VK [%]	6.0	6.1	7.7
KGD (5%)	18.1	16.9	21.3
KGD (1%)	24.1	22.5	28.3
Versuchs-Streuung	11.1	10.3	13.0
FG Fehlerterm	56.0	54.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	93.1 -	93.8 ----	76.8 --	121.7 -----	94.8 --
SY Amfora	98.0 -----	93.7 ----	82.7 -----	120.5 -----	108.7 -----
KWS Editio	101.9 -----	123.7 -----	97.3 -----	118.7 -----	111.2 -----
KWS Go	98.2 ----	109.3 -----	85.6 -----	127.0 -----	95.5 ---
SU Crumber	95.0 --	105.2 -----	73.4 -	110.7 ---	108.2 -----
Armoreen	93.3 -	76.9 -	72.9 -	126.7 -----	88.7 -
SY Remco	103.7 -----	112.5 -----	79.0 ---	123.8 -----	104.4 -----
LZM374/34	104.6 -----	101.2 ----	92.2 -----	122.2 -----	103.3 ----
LZM273/40	99.3 -----	93.5 ----	82.5 -----	123.9 -----	100.9 ----
EZ3545	103.6 -----	87.5 ---	87.6 -----	127.8 -----	123.4 -----
EZ3546	105.6 -----	95.5 ----	91.6 -----	133.2 -----	114.6 -----
MAS 275L	100.0 -----	92.2 ----	78.1 ---	135.9 -----	101.1 ----
Kanaveral	97.9 ----	103.0 -----	84.7 -----	112.5 ---	114.1 -----
DSP102940	93.5 -	85.9 --	79.0 ---	113.1 ---	105.9 ----
Bohemia	100.4 -----	129.8 -----	74.7 --	107.6 --	109.5 -----
GL200854	100.7 -----	117.8 -----	84.1 ----	129.4 -----	98.8 ---
Glanda	95.7 ---	111.5 -----	81.7 ----	103.7 -	110.2 -----
KXC4123	97.2 ----	92.8 ----	74.6 -	113.1 ---	108.5 -----
KXC4131	99.8 -----	100.7 ----	77.6 ---	135.6 -----	104.5 ----
KXC4355	104.4 -----	88.5 ---	85.0 -----	130.6 -----	124.3 -----
P89699	96.8 ----	109.7 -----	75.9 --	110.8 ---	114.7 -----
1090F449-01	101.1 -----	107.3 -----	76.0 --	122.2 -----	119.8 -----
1097F714-01	102.1 -----	102.2 ----	86.3 -----	130.0 -----	121.0 -----
SB2163	98.9 ----	87.8 ---	84.7 -----	115.3 ---	120.2 -----
SA1934	96.4 ---	86.8 --	89.3 -----	109.9 --	106.1 ----
ES Traveler	95.4 --	86.7 --	82.4 ----	110.8 ---	110.9 -----
SY Opale	95.5 --	97.4 ----	72.7 -	117.0 ---	112.7 -----
KWS Lupollino	93.3 -	77.3 -	72.4 -	113.6 ---	115.6 -----
P9967	103.3 -----	91.9 ---	83.4 -----	138.1 -----	103.5 ----
Galismo	104.1 -----	106.6 -----	95.3 -----	128.6 -----	107.3 -----
-Bezugsgrösse(n)	99.9 -----	108.7 -----	90.0 -----	119.6 -----	109.9 -----
Versuchs-Mittel	99.1 ----	99.0 ----	82.0 ----	121.1 -----	108.8 -----
VK [%]	13.0	22.8	7.6	12.0	13.1
KGD (5%)	7.8	ns	10.2	ns	ns
KGD (1%)	10.3	ns	13.6	ns	ns
Versuchs-Streuung	12.9	22.5	6.3	14.5	14.3
FG Fehlerterm	395.0	53.0	58.0	56.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8805.5	29	1.83 **	1.50	0.0061
Anbauorte	86038.8	6	86.58 ***	2.12	0.0000
WW Verf.*Anb.Orte	33946.7	174	1.18 ns	1.23	
Fehler	65419.3	395			
Insgesamt	194210.3	604			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	87.4 --	90.4 -----	86.9 -
SY Amfora	92.6 ----	92.0 -----	95.6 -----
KWS Editio	92.3 ----	84.7 ----	85.5 -
KWS Go	95.9 -----	88.4 -----	85.4 -
SU Crumber	87.3 --	89.5 -----	90.7 ---
Armoreen	98.5 -----	94.1 -----	95.6 -----
SY Remco	108.0 -----	98.4 -----	99.6 -----
LZM374/34	109.9 -----	96.6 -----	106.9 -----
LZM273/40	105.6 -----	96.1 -----	92.3 ---
EZ3545	100.2 -----	97.9 -----	100.5 -----
EZ3546	99.8 -----	94.2 -----	110.1 -----
MAS 275L	100.9 -----	83.8 ---	108.1 -----
Kanaveral	92.3 ----	84.4 ----	93.9 ----
DSP102940	94.5 ----	79.3 --	96.9 -----
Boheminga	95.9 -----	97.4 -----	87.8 --
GL200854	96.9 -----	88.9 -----	89.2 --
Glanda	88.9 --	76.6 -	97.1 -----
KXC4123	102.9 -----	89.1 -----	99.3 -----
KXC4131	99.1 -----	91.2 -----	89.5 --
KXC4355	96.7 -----	103.0 -----	102.8 -----
P89699	83.9 -	90.4 -----	92.5 ---
1090F449-01	94.1 ----	93.4 -----	95.1 -----
1097F714-01	93.6 ----	92.6 -----	88.9 --
SB2163	94.6 ----	93.2 -----	96.4 -----
SA1934	96.8 -----	88.9 -----	97.0 -----
ES Traveler	92.1 ----	93.5 -----	91.2 ---
SY Opale	89.1 --	86.2 ----	93.3 ----
KWS Lupollino	88.8 --	91.6 -----	93.9 ----
P9967	111.9 -----	100.4 -----	94.0 ----
Galismo	94.9 -----	92.6 -----	103.0 -----
-Bezugsgrösse(n)	92.4 ----	88.3 -----	90.6 ---
Versuchs-Mittel	96.2 -----	91.3 -----	95.3 -----
VK [%]	7.8	9.2	10.4
KGD (5%)	12.3	ns	ns
KGD (1%)	16.3	ns	ns
Versuchs-Streuung	7.5	8.4	9.9
FG Fehlerterm	58.0	54.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1567 Delley FR		1896 Vouvry		3065 Habstetten	
P9610	734.5	-	684.4	--	765.5	---	770.8	-----	726.5	---
SY Amfora	757.2	-----	719.5	----	795.4	-----	775.3	-----	768.2	-----
KWS Editio	769.4	-----	767.5	-----	823.5	-----	793.0	-----	764.2	-----
KWS Go	748.2	----	739.4	----	775.8	----	782.4	-----	725.0	---
SU Crumber	763.5	-----	751.7	-----	799.6	-----	782.6	-----	774.0	-----
Armoreen	738.9	--	695.2	---	791.4	-----	779.9	-----	708.0	-
SY Remco	755.0	-----	763.5	-----	787.7	----	772.3	-----	745.3	-----
LZM374/34	747.2	----	729.5	----	794.3	-----	756.8	----	743.3	----
LZM273/40	733.0	-	703.7	---	775.9	----	739.5	--	733.6	----
EZ3545	742.0	---	685.6	--	791.7	-----	759.2	----	743.7	----
EZ3546	737.8	--	691.0	--	791.2	-----	759.2	----	735.2	----
MAS 275L	764.1	-----	711.6	----	798.1	-----	807.0	-----	764.5	-----
Kanaveral	747.1	----	718.9	----	802.7	-----	752.7	--	755.3	-----
DSP102940	746.8	----	679.7	-	800.4	-----	781.3	-----	744.3	----
Bohemia	761.1	-----	795.1	-----	791.8	-----	741.2	--	772.2	-----
GL200854	759.3	-----	757.3	-----	813.1	-----	764.4	----	752.2	-----
Glanda	748.8	----	751.0	-----	789.4	-----	745.8	--	765.8	-----
KXC4123	738.9	--	727.1	----	772.5	----	744.7	--	722.6	---
KXC4131	747.4	----	721.3	----	782.1	----	784.5	-----	753.6	-----
KXC4355	754.2	-----	701.8	---	798.1	-----	784.6	-----	781.2	-----
P89699	737.0	--	707.0	---	759.6	---	732.5	-	775.2	-----
1090F449-01	739.3	--	694.4	--	742.4	-	749.5	---	774.3	-----
1097F714-01	748.4	----	714.6	----	773.8	----	782.3	-----	768.0	-----
SB2163	749.3	-----	724.1	-----	794.2	-----	753.6	--	761.9	-----
SA1934	745.2	----	705.2	---	789.3	-----	768.3	-----	749.4	----
ES Traveler	740.2	---	694.0	--	785.2	-----	770.6	-----	747.1	-----
SY Opale	751.9	-----	726.5	-----	793.4	-----	765.8	-----	761.9	-----
KWS Lupollino	734.6	-	686.9	--	767.2	----	753.5	---	750.4	-----
P9967	740.7	---	671.4	-	784.8	-----	781.5	-----	750.0	-----
Galismo	757.6	-----	723.9	----	799.2	-----	798.5	-----	773.3	-----
-Bezugsgrösse(n)	763.3	-----	743.5	-----	809.4	-----	784.2	-----	766.2	-----
Versuchs-Mittel	748.0	----	718.1	----	787.6	-----	767.8	----	753.0	-----
VK [%]	3.3		5.9		1.9		3.4		3.3	
KGD (5%)	14.8		ns		24.8		ns		ns	
KGD (1%)	19.5		ns		33.0		ns		ns	
Versuchs-Streuung	24.4		42.7		15.2		25.9		24.6	
FG Fehlerterm	398.0		54.0		58.0		58.0		56.0	
Anz. Beob.	21.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	57886.2	29	3.36	***	1.50	0.0001
Anbauorte	475484.3	6	133.35	***	2.12	0.0000
WW Verf.*Anb.Orte	132350.5	174	1.28	ns	1.23	
Fehler	236521.3	398				
Insgesamt	902242.2	607				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	763.8 ----	739.5 ----	690.9 ---
SY Amfora	771.8 -----	745.7 -----	724.2 -----
KWS Editio	786.9 -----	737.1 ----	713.7 -----
KWS Go	777.5 -----	739.4 ----	698.3 ----
SU Crumber	772.0 -----	756.8 -----	708.0 ----
Armoreen	760.5 ----	726.7 --	710.8 -----
SY Remco	761.1 ----	748.5 -----	706.9 ----
LZM374/34	767.0 -----	736.3 ----	703.4 ----
LZM273/40	756.3 ---	743.0 ----	678.8 -
EZ3545	763.1 ----	749.4 -----	701.3 ----
EZ3546	755.9 ---	719.4 -	712.7 -----
MAS 275L	770.5 -----	752.1 -----	744.6 -----
Kanaveral	762.7 ----	744.3 -----	693.3 ---
DSP102940	772.3 -----	746.9 -----	702.4 ----
Boheminga	763.3 ----	766.6 -----	697.4 ----
GL200854	766.4 -----	750.7 -----	711.4 -----
Glanda	744.3 -	739.9 ----	705.6 ----
KXC4123	763.4 ----	736.1 ----	705.8 ----
KXC4131	764.2 ----	740.9 ----	685.5 --
KXC4355	769.0 -----	752.5 -----	692.2 ---
P89699	755.7 ---	749.2 -----	679.6 -
1090F449-01	761.8 ----	758.1 -----	694.3 ---
1097F714-01	756.7 ----	769.3 -----	674.1 -
SB2163	755.2 ---	748.5 -----	707.8 ----
SA1934	757.2 ----	749.3 -----	697.4 ----
ES Traveler	757.7 ----	735.9 ----	690.9 ---
SY Opale	758.8 ----	744.9 -----	712.0 -----
KWS Lupollino	745.4 -	740.1 ----	698.6 ----
P9967	757.5 ----	753.4 -----	686.5 --
Galismo	764.4 ----	731.6 ---	712.4 -----
-Bezugsgrösse(n)	779.4 -----	741.4 ----	719.0 -----
Versuchs-Mittel	762.8 ----	745.1 -----	701.4 ----
VK [%]	1.8	2.3	2.9
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	14.0	17.4	20.3
FG Fehlerterm	58.0	58.0	56.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	412.0 ----	384.0 ---	426.4 ---	510.8 -----	401.2 ----
SY Amfora	423.1 -----	387.7 ----	413.4 --	505.3 -----	444.2 -----
KWS Editio	455.8 -----	474.6 -----	512.6 -----	532.7 -----	463.8 -----
KWS Go	415.9 ----	419.8 -----	425.7 ---	509.1 -----	405.7 ----
SU Crumber	431.1 -----	446.3 -----	426.5 ---	496.7 -----	436.2 -----
Armoreen	393.9 -	338.8 -	403.6 --	496.6 -----	359.1 -
SY Remco	431.5 -----	459.7 -----	415.9 ---	492.1 -----	419.5 -----
LZM374/34	414.0 ----	406.5 -----	439.3 -----	471.5 --	405.6 -----
LZM273/40	406.0 ---	395.9 ----	414.4 --	459.0 -	408.7 -----
EZ3545	409.4 ---	374.0 ---	436.4 -----	472.7 --	415.9 -----
EZ3546	416.0 ----	387.3 ----	454.7 -----	485.6 ----	407.1 -----
MAS 275L	440.2 -----	390.9 ----	433.2 -----	546.1 -----	444.5 -----
Kanaveral	433.4 -----	454.4 -----	474.2 -----	482.3 --	457.5 -----
DSP102940	428.9 -----	375.1 ---	455.6 -----	509.7 -----	440.2 -----
Boheminga	431.5 -----	502.0 -----	394.5 -	458.8 -	441.1 -----
GL200854	432.7 -----	460.2 -----	451.0 -----	479.7 ---	412.5 -----
Glanda	437.4 -----	464.6 -----	455.5 -----	480.1 ---	471.8 -----
KXC4123	403.0 --	384.5 ---	392.0 -	461.8 -	431.7 -----
KXC4131	429.3 -----	425.2 -----	432.6 -----	523.9 -----	449.4 -----
KXC4355	431.8 -----	383.9 ---	434.0 -----	533.5 -----	471.0 -----
P89699	412.4 ----	402.6 -----	412.6 --	457.1 -	460.8 -----
1090F449-01	415.4 ----	393.7 ----	395.1 -	468.6 --	458.8 -----
1097F714-01	430.7 -----	423.2 -----	440.3 -----	502.9 -----	465.6 -----
SB2163	424.1 -----	392.2 -----	438.8 -----	467.4 --	455.7 -----
SA1934	424.1 -----	367.7 --	442.2 -----	489.8 -----	448.9 -----
ES Traveler	424.6 -----	374.6 ---	429.9 -----	492.3 -----	463.6 -----
SY Opale	423.0 -----	407.9 -----	437.4 -----	486.8 -----	446.9 -----
KWS Lupollino	400.5 --	346.0 -	393.6 -	468.3 --	445.4 -----
P9967	409.2 ---	364.2 --	422.3 ---	504.0 -----	413.4 -----
Galismo	441.4 -----	425.6 -----	485.8 -----	518.8 -----	456.9 -----
-Bezugsgrösse(n)	439.4 -----	431.1 -----	463.0 -----	519.0 -----	454.0 -----
Versuchs-Mittel	422.7 -----	407.1 -----	433.0 -----	492.1 -----	436.8 -----
VK [%]	8.6	15.3	5.8	8.1	7.7
KGD (5%)	22.1	ns	41.1	ns	55.0
KGD (1%)	29.1	ns	54.7	ns	ns
Versuchs-Streuung	36.4	62.4	25.1	40.1	33.6
FG Fehlerterm	395.0	54.0	56.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	113975.6	29	2.97 ***	1.50	0.0002
Anbauorte	667976.7	6	84.04 ***	2.12	0.0000
WW Verf.*Anb.Orte	276773.4	174	1.20 ns	1.23	
Fehler	523258.5	395			
Insgesamt	1581984.2	604			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	391.8 -----	399.0 -----	370.9 --
SY Amfora	392.8 -----	422.3 -----	396.2 -----
KWS Editio	413.1 -----	397.5 -----	396.0 -----
KWS Go	402.1 -----	397.8 -----	350.9 -
SU Crumber	395.7 -----	422.1 -----	394.1 -----
Armoreen	400.1 -----	396.8 -----	362.6 --
SY Remco	411.2 -----	413.3 -----	409.0 -----
LZM374/34	406.2 -----	391.3 ----	377.9 ---
LZM273/40	402.3 -----	403.8 -----	357.9 -
EZ3545	387.3 -----	408.0 -----	371.2 ---
EZ3546	377.3 ---	373.8 -	426.0 -----
MAS 275L	410.6 -----	399.2 -----	457.1 -----
Kanaveral	386.8 -----	398.3 -----	380.1 ---
DSP102940	416.0 -----	401.9 -----	403.6 -----
Boheminga	400.1 -----	430.4 -----	393.4 -----
GL200854	405.7 -----	401.6 -----	418.0 -----
Glanda	376.5 --	396.1 -----	417.3 -----
KXC4123	388.4 -----	374.4 -	388.3 ----
KXC4131	404.2 -----	383.9 --	385.9 ----
KXC4355	385.3 -----	398.8 -----	416.1 -----
P89699	378.9 ---	390.8 -----	383.8 -----
1090F449-01	390.0 -----	402.0 -----	399.8 -----
1097F714-01	398.5 -----	414.7 -----	369.5 --
SB2163	380.1 ---	406.3 -----	428.1 -----
SA1934	393.6 -----	411.4 -----	415.0 -----
ES Traveler	390.9 -----	415.4 -----	405.3 -----
SY Opale	394.3 -----	385.2 ---	402.7 -----
KWS Lupollino	367.3 -	407.3 -----	375.3 ---
P9967	403.4 -----	399.1 -----	358.0 -
Galismo	395.9 -----	395.1 -----	411.5 -----
-Bezugsgrösse(n)	403.0 -----	409.9 -----	396.1 -----
Versuchs-Mittel	394.9 -----	401.3 -----	394.0 -----
VK [%]	6.5	6.7	7.1
KGD (5%)	ns	ns	45.8
KGD (1%)	ns	ns	61.0
Versuchs-Streuung	25.6	26.8	28.0
FG Fehlerterm	58.0	57.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	184.8 -----	202.7 -----	175.1 -----	149.9 ----	188.5 -----
SY Amfora	172.3 ----	196.9 -----	159.8 -----	147.5 ----	159.2 ---
KWS Editio	160.1 -	165.6 ----	128.1 -	134.1 --	154.3 --
KWS Go	170.6 ----	170.8 ----	157.7 ----	133.2 --	183.5 -----
SU Crumber	166.1 ---	160.2 ---	157.9 ----	146.2 ---	160.0 ---
Armoreen	179.0 -----	195.6 -----	156.4 ----	140.6 ---	195.6 -----
SY Remco	171.0 ----	159.7 ---	161.9 ----	153.7 -----	171.4 ----
LZM374/34	174.3 -----	172.5 -----	153.9 ----	163.4 -----	169.5 ----
LZM273/40	181.7 -----	193.8 -----	163.6 -----	165.2 -----	173.9 -----
EZ3545	181.8 -----	205.6 -----	159.7 ----	162.6 -----	170.2 ----
EZ3546	181.2 -----	191.2 -----	155.5 ----	156.9 -----	180.0 -----
MAS 275L	166.2 ---	184.7 -----	148.8 ----	128.6 -	159.9 ---
Kanaveral	173.6 ----	171.2 ----	142.3 ---	159.7 -----	163.0 ---
DSP102940	176.8 -----	204.3 -----	149.6 ---	145.6 ----	169.6 ----
Boheminga	166.2 ---	127.3 -	159.8 ----	164.6 -----	150.9 -
GL200854	166.0 ---	156.8 ---	149.9 ----	149.4 ----	156.9 --
Glanda	171.9 ----	162.9 ----	159.8 ----	160.6 -----	151.6 -
KXC4123	179.4 -----	181.4 -----	177.0 -----	163.6 -----	174.3 -----
KXC4131	174.7 -----	175.3 -----	170.7 -----	143.9 ---	156.6 --
KXC4355	168.5 ----	190.1 -----	157.0 ----	130.3 -	149.8 -
P89699	183.6 -----	193.0 -----	182.7 -----	175.8 -----	155.5 --
1090F449-01	186.6 -----	208.6 -----	187.9 -----	174.6 -----	162.9 ---
1097F714-01	179.1 -----	190.5 -----	168.1 -----	151.9 -----	164.9 ----
SB2163	177.6 ----	185.7 ----	154.3 ----	171.3 -----	162.4 ---
SA1934	178.2 -----	197.8 -----	151.4 ----	159.2 -----	171.5 ----
ES Traveler	178.7 -----	202.0 -----	153.6 ----	155.1 ----	173.7 -----
SY Opale	173.0 ----	181.2 -----	153.5 ----	160.9 -----	158.3 --
KWS Lupollino	183.1 -----	209.0 -----	175.0 -----	167.2 -----	164.1 ----
P9967	180.2 -----	213.6 -----	166.5 -----	151.4 ----	171.7 ----
Galismo	170.2 ----	184.2 -----	147.4 ----	139.2 ---	155.2 --
-Bezugsgrösse(n)	166.2 ---	181.3 -----	143.9 ---	140.8 ---	156.8 --
Versuchs-Mittel	175.2 -----	184.5 -----	159.5 -----	153.5 -----	166.0 ----
VK [%]	9.0	14.7	5.6	11.9	9.0
KGD (5%)	9.5	ns	14.7	ns	24.5
KGD (1%)	12.5	ns	19.5	ns	ns
Versuchs-Streuung	15.7	27.1	9.0	18.2	15.0
FG Fehlerterm	401.0	54.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	26708.5	29	3.74 ***	1.50	0.0001
Anbauorte	167073.3	6	113.12 ***	2.12	0.0000
WW Verf.*Anb.Orte	57096.8	174	1.33 ns	1.23	
Fehler	98711.1	401			
Insgesamt	349589.6	610			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	180.9 -----	181.7 -----	214.6 -----
SY Amfora	173.1 -----	171.5 --	198.1 ---
KWS Editio	161.2 -	181.7 -----	195.5 --
KWS Go	167.5 ---	178.3 ----	203.4 ----
SU Crumber	170.7 ----	170.7 --	196.8 ---
Armoreen	174.6 -----	190.3 -----	200.2 ----
SY Remco	175.2 -----	175.0 ---	199.8 ----
LZM374/34	168.1 ----	188.3 -----	204.4 ----
LZM273/40	173.0 -----	182.0 -----	220.3 -----
EZ3545	179.1 -----	176.0 ----	219.3 -----
EZ3546	184.5 -----	194.0 -----	206.5 -----
MAS 275L	173.1 -----	178.0 ----	190.6 -
Kanaveral	179.2 -----	180.7 -----	218.8 -----
DSP102940	172.7 ----	185.0 -----	210.6 -----
Boheminga	176.9 -----	167.3 -	216.8 -----
GL200854	174.8 ----	177.0 ---	197.4 ---
Glanda	183.1 -----	186.7 -----	198.6 ---
KXC4123	172.8 ----	190.7 -----	195.9 --
KXC4131	175.7 -----	190.0 -----	210.5 -----
KXC4355	175.1 -----	181.0 -----	196.5 --
P89699	181.8 -----	188.3 -----	208.2 -----
1090F449-01	183.3 -----	182.3 -----	206.4 -----
1097F714-01	179.7 -----	176.7 ----	222.2 -----
SB2163	184.2 -----	185.3 -----	200.2 ----
SA1934	176.1 -----	182.7 -----	208.6 -----
ES Traveler	177.6 -----	180.0 ----	209.0 -----
SY Opale	176.5 -----	182.0 -----	198.6 ---
KWS Lupollino	181.5 -----	173.7 ---	211.4 -----
P9967	173.9 -----	172.3 --	212.0 -----
Galismo	178.2 -----	186.7 -----	200.8 ----
-Bezugsgrösse(n)	167.2 ---	176.6 ----	196.8 ---
Versuchs-Mittel	176.1 -----	181.2 -----	205.7 -----
VK [%]	5.2	5.8	6.6
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	9.1	10.6	13.5
FG Fehlerterm	58.0	57.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	414.6 -----	464.6 -----	394.3 -----	372.9 -----	423.8 -----
SY Amfora	392.1 -----	432.1 -----	371.4 -----	355.9 ----	391.8 ----
KWS Editio	368.4 -	366.1 --	317.4 -	332.1 --	380.3 ----
KWS Go	383.8 ----	384.5 ----	364.2 ----	334.9 --	409.6 -----
SU Crumber	379.9 ---	383.3 ----	357.6 ----	353.6 ----	372.7 ---
Armoreen	398.7 -----	441.2 -----	359.1 ----	335.9 --	445.4 -----
SY Remco	391.4 -----	374.9 ----	377.9 -----	368.1 -----	415.5 -----
LZM374/34	391.8 -----	403.9 -----	351.7 ----	373.8 -----	408.6 -----
LZM273/40	407.8 -----	426.5 -----	376.5 -----	391.9 -----	425.1 -----
EZ3545	396.6 -----	444.3 -----	359.6 ----	368.1 -----	408.5 -----
EZ3546	397.6 -----	432.4 -----	356.7 ----	364.9 ----	409.1 -----
MAS 275L	374.4 --	422.6 -----	354.6 ----	321.9 -	372.8 ---
Kanaveral	393.4 -----	408.7 ----	345.9 --	378.3 -----	387.6 ----
DSP102940	391.6 -----	452.8 -----	348.8 ----	346.7 --	397.7 -----
Boheminga	380.3 ---	337.7 -	371.3 -----	383.2 -----	383.4 ----
GL200854	377.8 ---	375.3 ----	329.6 --	359.2 ----	399.2 -----
Glanda	385.1 ----	376.9 ----	350.1 ----	375.6 -----	371.4 ---
KXC4123	387.8 ----	388.2 ----	361.0 ----	364.0 ----	401.9 -----
KXC4131	390.3 ----	407.2 -----	365.0 ----	344.3 ---	383.4 ----
KXC4355	373.9 --	414.5 -----	341.6 ---	323.4 -	347.1 -
P89699	408.9 -----	444.8 -----	400.5 -----	410.7 -----	364.6 --
1090F449-01	413.9 -----	453.6 -----	422.7 -----	406.5 -----	378.6 ----
1097F714-01	401.9 -----	434.8 -----	384.3 -----	370.8 -----	384.7 ----
SB2163	395.8 -----	417.7 -----	359.5 ----	384.2 -----	393.3 ----
SA1934	396.8 -----	431.4 -----	359.6 ----	368.0 ----	395.1 ----
ES Traveler	397.3 -----	443.2 -----	362.7 ----	363.6 ----	390.2 ----
SY Opale	396.3 -----	419.6 -----	362.4 ----	370.8 -----	400.1 -----
KWS Lupollino	396.5 -----	421.7 -----	374.8 ----	365.4 ----	386.5 ----
P9967	405.0 -----	464.9 -----	376.3 ----	359.9 ----	403.4 -----
Galismo	380.7 ---	411.0 ----	344.4 ---	325.7 -	367.0 ---
-Bezugsgrösse(n)	380.3 ---	399.1 ----	344.4 ---	344.0 ---	386.0 ----
Versuchs-Mittel	392.4 -----	416.0 -----	363.4 ----	362.5 ----	393.3 ----
VK [%]	6.6	10.4	5.0	8.1	6.9
KGD (5%)	15.7	ns	29.6	48.2	44.1
KGD (1%)	20.7	ns	39.4	ns	ns
Versuchs-Streuung	26.0	43.3	18.1	29.5	27.0
FG Fehlerterm	397.0	54.0	58.0	56.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	82643.3	29	4.23 ***	1.50	0.0000
Anbauorte	340015.7	6	84.14 ***	2.12	0.0000
WW Verf.*Anb.Orte	161449.0	174	1.38 ns	1.23	
Fehler	267389.9	397			
Insgesamt	851497.8	606			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	396.5 -----	398.7 -----	451.3 -----
SY Amfora	388.1 -----	385.8 ----	420.0 ----
KWS Editio	364.4 -	402.8 -----	415.4 ----
KWS Go	372.4 --	394.0 ----	427.4 -----
SU Crumber	382.9 ----	385.3 ----	424.3 -----
Armoreen	383.6 ----	404.5 -----	421.4 ----
SY Remco	386.9 -----	391.6 ----	425.1 -----
LZM374/34	376.6 ----	401.2 -----	427.1 -----
LZM273/40	391.2 -----	391.6 ----	452.1 -----
EZ3545	383.5 ----	387.2 ----	425.1 -----
EZ3546	391.3 -----	422.3 -----	406.5 ----
MAS 275L	374.4 ---	393.2 ----	381.4 -
Kanaveral	390.7 -----	397.2 -----	445.7 -----
DSP102940	376.7 ---	394.5 ----	424.0 ----
Boheminga	385.0 -----	367.9 -	433.8 -----
GL200854	382.3 ----	383.8 ----	415.1 ----
Glanda	406.3 -----	394.5 ----	421.3 ----
KXC4123	381.8 ----	404.3 -----	413.6 ----
KXC4131	374.8 ---	407.2 -----	450.4 -----
KXC4355	376.3 ---	387.8 ----	426.2 -----
P89699	391.8 -----	394.1 ----	456.1 -----
1090F449-01	391.3 -----	394.9 -----	449.4 -----
1097F714-01	394.3 -----	379.7 ---	464.4 -----
SB2163	398.2 -----	391.5 ----	426.4 ----
SA1934	393.7 -----	394.2 ----	435.6 -----
ES Traveler	389.0 ----	392.4 ----	440.1 -----
SY Opale	395.9 -----	399.8 -----	425.7 -----
KWS Lupollino	396.4 -----	396.4 -----	434.1 -----
P9967	387.0 ----	390.9 ----	452.4 -----
Galismo	388.5 ----	408.8 -----	419.4 ----
-Bezugsgrösse(n)	376.3 ---	394.3 ----	417.7 ----
Versuchs-Mittel	386.4 -----	394.6 -----	430.4 -----
VK [%]	3.9	4.4	5.1
KGD (5%)	ns	ns	35.5
KGD (1%)	ns	ns	ns
Versuchs-Streuung	15.0	17.3	21.7
FG Fehlerterm	58.0	57.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	211.6	233.9	195.4	170.2	213.8
SY Amfora	199.6	225.1	182.6	173.9	181.3
KWS Editio	184.0	185.0	144.1	156.5	177.0
KWS Go	201.1	201.7	185.7	157.8	217.3
SU Crumber	192.1	188.0	177.3	165.4	184.4
Armoreen	212.0	235.7	184.0	167.0	232.0
SY Remco	199.6	187.3	184.9	181.2	201.2
LZM374/34	205.1	204.1	177.4	193.1	200.0
LZM273/40	214.7	231.4	188.7	195.5	207.8
EZ3545	212.6	247.3	183.6	187.5	200.9
EZ3546	211.9	232.1	180.0	180.9	214.1
MAS 275L	194.1	224.2	170.0	150.5	190.4
Kanaveral	203.1	206.7	161.8	189.6	190.0
DSP102940	205.2	245.4	166.2	169.2	199.4
Boheminga	193.3	147.0	181.5	195.1	177.6
GL200854	195.0	183.8	168.1	179.9	186.9
Glanda	200.9	189.6	179.7	191.1	179.3
KXC4123	211.0	210.2	204.0	195.9	208.9
KXC4131	203.1	204.5	193.6	167.6	185.9
KXC4355	197.2	223.7	181.6	157.6	173.1
P89699	211.5	220.6	209.4	204.5	178.1
1090F449-01	212.3	236.8	213.1	197.6	182.2
1097F714-01	203.9	216.6	187.9	170.2	184.3
SB2163	206.7	218.7	179.4	199.9	186.2
SA1934	208.2	234.0	179.2	184.3	203.6
ES Traveler	208.4	235.6	181.0	177.6	203.3
SY Opale	201.0	211.0	175.4	187.8	185.5
KWS Lupollino	214.2	247.8	201.9	196.2	194.5
P9967	207.0	248.5	184.1	168.4	198.0
Galismo	196.5	214.8	163.8	158.9	180.4
-Bezugsgrösse(n)	191.8	205.1	163.4	165.2	179.2
Versuchs-Mittel	203.9	216.4	182.2	179.0	193.9
VK [%]	9.5	15.5	6.4	12.5	9.5
KGD (5%)	11.8	ns	19.2	ns	30.1
KGD (1%)	15.5	ns	25.5	ns	ns
Versuchs-Streuung	19.4	33.6	11.7	22.3	18.4
FG Fehlerterm	401.0	54.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	35907.8	29	3.30 ***	1.50	0.0001
Anbauorte	238789.0	6	105.94 ***	2.12	0.0000
WW Verf.*Anb.Orte	84930.2	174	1.30 ns	1.23	
Fehler	150637.6	401			
Insgesamt	510264.5	610			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	206.7 -----	213.6 -----	247.4 -----
SY Amfora	202.1 -----	202.1 ---	229.9 ----
KWS Editio	185.1 -	212.2 -----	228.2 ---
KWS Go	192.7 ---	211.5 ----	241.3 -----
SU Crumber	197.2 ----	200.4 --	231.6 ----
Armoreen	204.5 -----	224.6 -----	236.1 ----
SY Remco	203.9 -----	204.0 ---	235.1 ----
LZM374/34	199.4 ----	223.1 -----	238.6 ----
LZM273/40	204.3 -----	217.2 -----	258.1 -----
EZ3545	208.5 -----	208.2 ----	252.4 -----
EZ3546	213.5 -----	228.6 -----	234.0 ----
MAS 275L	199.5 ----	207.8 ----	216.6 -
Kanaveral	207.9 -----	214.1 -----	251.3 -----
DSP102940	199.0 ----	217.1 -----	240.3 ----
Boheminga	205.9 -----	195.8 -	250.4 -----
GL200854	203.8 -----	209.2 ----	233.4 ----
Glanda	214.2 -----	218.3 -----	234.1 ----
KXC4123	201.4 ----	224.4 -----	232.0 ----
KXC4131	203.4 ----	220.3 -----	246.2 -----
KXC4355	202.3 ----	208.3 ----	233.8 ----
P89699	209.4 -----	215.7 -----	242.8 -----
1090F449-01	210.5 -----	207.8 ----	237.9 ----
1097F714-01	207.9 -----	204.3 ---	256.3 -----
SB2163	214.4 -----	216.9 -----	231.5 ----
SA1934	203.2 ----	210.7 ----	242.2 -----
ES Traveler	209.7 -----	212.0 ----	239.8 ----
SY Opale	205.5 -----	213.6 -----	228.4 ---
KWS Lupollino	215.1 -----	202.9 ---	241.2 -----
P9967	203.0 ----	199.3 --	247.8 -----
Galismo	205.1 ----	217.6 -----	235.1 ----
-Bezugsgrösse(n)	193.6 ---	207.2 ----	229.0 ----
Versuchs-Mittel	204.6 -----	212.1 -----	239.1 -----
VK [%]	5.7	6.2	6.8
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	11.6	13.1	16.3
FG Fehlerterm	58.0	57.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	20.9 -----	24.7 -----	17.7 ----	18.4 ----	21.5 -----
SY Amfora	18.9 ---	21.5 -----	15.0 --	18.4 ----	17.6 ---
KWS Editio	18.0 -	18.3 ----	14.1 -	16.5 -	17.2 --
KWS Go	20.7 -----	21.7 -----	18.4 -----	18.4 ----	22.6 -----
SU Crumber	18.5 --	19.0 ----	16.2 ---	17.6 ---	17.9 ---
Armoreen	21.1 -----	25.1 -----	17.8 -----	18.0 ---	22.5 -----
SY Remco	19.5 ----	20.4 -----	17.1 ----	16.7 -	19.2 ----
LZM374/34	20.6 -----	23.9 -----	17.0 ----	17.5 --	20.6 -----
LZM273/40	21.8 -----	25.7 -----	18.4 -----	19.2 -----	20.7 -----
EZ3545	20.7 -----	26.8 -----	16.0 ---	19.0 -----	18.2 ----
EZ3546	21.0 -----	25.8 -----	16.7 ----	18.8 ----	19.5 -----
MAS 275L	18.6 --	23.1 -----	16.4 ---	16.2 -	17.5 ---
Kanaveral	19.6 ----	21.8 -----	17.7 -----	18.5 ----	18.3 ----
DSP102940	20.4 -----	26.9 -----	17.7 -----	17.2 --	19.5 -----
Boheminga	17.9 -	14.4 -	16.8 ----	19.0 -----	16.2 -
GL200854	18.9 ---	17.2 ---	17.1 ----	18.5 ----	16.7 -
Glanda	19.7 ----	18.6 ----	17.7 -----	20.4 -----	17.0 --
KXC4123	22.7 -----	23.3 -----	22.8 -----	23.0 -----	22.0 -----
KXC4131	20.7 -----	20.8 -----	20.5 -----	19.9 -----	19.6 -----
KXC4355	21.0 -----	24.3 -----	19.9 -----	20.2 -----	17.7 ---
P89699	21.3 -----	22.0 -----	21.4 -----	22.8 -----	17.8 ---
1090F449-01	20.5 -----	23.6 -----	19.6 -----	21.4 -----	18.1 ---
1097F714-01	20.2 ----	21.9 -----	18.5 -----	18.9 -----	19.1 -----
SB2163	19.9 ----	21.1 -----	17.8 ----	19.5 -----	18.1 ---
SA1934	20.4 -----	23.2 -----	19.3 -----	18.2 ---	21.4 -----
ES Traveler	20.9 -----	22.7 -----	19.6 -----	18.8 ----	21.2 -----
SY Opale	19.6 ----	20.8 -----	18.0 ----	18.6 ----	17.6 ---
KWS Lupollino	21.9 -----	26.4 -----	20.5 -----	21.3 -----	19.3 -----
P9967	20.3 -----	25.3 -----	17.5 ----	17.6 ---	18.2 ----
Galismo	19.0 ---	21.3 -----	15.7 --	16.7 -	17.5 ---
-Bezugsgrösse(n)	18.4 --	19.9 -----	14.5 -	17.5 --	17.4 --
Versuchs-Mittel	20.2 ----	22.4 -----	18.0 ----	18.8 ----	19.0 -----
VK [%]	9.3	15.3	5.0	9.0	9.5
KGD (5%)	1.1	5.6	1.5	2.8	2.9
KGD (1%)	1.5	7.5	2.0	3.7	3.9
Versuchs-Streuung	1.9	3.4	0.9	1.7	1.8
FG Fehlerterm	399.0	54.0	56.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	828.5	29	8.05 ***	1.50	0.0000
Anbauorte	2024.0	6	95.04 ***	2.12	0.0000
WW Verf.*Anb.Orte	1172.5	174	1.90 ***	1.23	0.0005
Fehler	1416.3	399			
Insgesamt	5441.3	608			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	18.8 ----	21.4 -----	24.0 -----
SY Amfora	18.6 ----	19.7 ---	21.4 ---
KWS Editio	17.2 -	20.1 ----	22.3 ----
KWS Go	18.6 ----	21.0 -----	24.4 -----
SU Crumber	17.8 --	18.8 -	22.3 ----
Armoreen	19.6 -----	21.8 -----	23.0 -----
SY Remco	20.1 -----	19.8 ----	23.4 -----
LZM374/34	19.0 ----	21.8 -----	24.4 -----
LZM273/40	20.5 -----	21.5 -----	26.4 -----
EZ3545	20.0 -----	20.5 ----	24.1 -----
EZ3546	20.4 -----	22.9 -----	22.8 ----
MAS 275L	18.6 ----	18.5 -	19.6 -
Kanaveral	18.5 ----	20.3 ----	22.3 ----
DSP102940	19.3 ----	21.1 -----	21.2 ---
Boheminga	18.5 ----	19.6 ---	20.6 --
GL200854	19.3 ----	21.0 -----	22.6 ----
Glanda	20.5 -----	20.6 ----	23.2 -----
KXC4123	20.0 -----	22.5 -----	25.4 -----
KXC4131	19.3 ----	20.3 ----	24.7 -----
KXC4355	19.4 ----	20.4 ----	24.9 -----
P89699	19.5 -----	21.3 -----	24.5 -----
1090F449-01	20.2 -----	18.9 --	21.7 ----
1097F714-01	19.6 -----	18.7 -	24.7 -----
SB2163	20.8 -----	21.0 -----	21.3 ---
SA1934	19.6 -----	19.1 --	21.9 ----
ES Traveler	20.4 -----	21.3 -----	22.6 ----
SY Opale	18.9 ----	20.7 -----	22.5 ----
KWS Lupollino	21.0 -----	20.0 ----	24.8 -----
P9967	19.8 -----	19.2 --	24.6 -----
Galismo	18.8 ----	19.9 ----	23.1 -----
-Bezugsgrösse(n)	17.9 --	19.9 ----	21.9 ----
Versuchs-Mittel	19.4 -----	20.5 -----	23.2 -----
VK [%]	6.4	8.1	6.6
KGD (5%)	ns	ns	2.5
KGD (1%)	ns	ns	3.3
Versuchs-Streuung	1.2	1.7	1.5
FG Fehlerterm	58.0	57.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	68.0 ---	62.9 -	69.8 ----	65.1 ---	69.0 ---
SY Amfora	70.6 ----	72.1 -----	71.5 ----	70.1 ----	72.6 ----
KWS Editio	72.3 -----	72.3 -----	72.2 ----	69.2 ----	74.8 -----
KWS Go	75.2 -----	76.2 -----	79.6 -----	73.3 -----	76.2 -----
SU Crumber	73.7 -----	75.9 -----	76.0 -----	74.3 -----	74.8 -----
Armoreen	73.5 -----	70.9 ----	80.9 -----	76.1 -----	72.8 ----
SY Remco	69.9 ----	71.1 ----	73.4 ----	65.8 ---	67.9 --
LZM374/34	72.5 -----	77.0 -----	76.7 -----	69.8 ----	75.4 -----
LZM273/40	71.3 ----	68.4 ----	77.0 -----	71.2 -----	70.1 ----
EZ3545	70.2 ----	69.4 ----	72.5 ----	68.9 ----	70.1 ----
EZ3546	68.9 ---	71.2 ----	72.3 ----	68.8 ----	65.3 -
MAS 275L	75.0 -----	80.3 -----	79.8 -----	74.7 -----	75.1 -----
Kanaveral	70.4 ----	71.1 ----	73.1 ----	67.0 ---	69.4 ---
DSP102940	72.3 -----	66.7 ---	76.4 -----	70.2 ----	73.2 ----
Boheminga	75.1 -----	82.3 -----	78.4 -----	69.2 ----	76.6 -----
GL200854	76.9 -----	80.1 -----	81.4 -----	76.7 -----	80.4 -----
Glanda	72.1 -----	71.5 ----	75.3 ----	70.8 ----	73.9 ----
KXC4123	77.0 -----	79.8 -----	82.3 -----	80.3 -----	73.8 ----
KXC4131	72.3 ----	74.9 -----	75.7 ----	70.4 ----	74.6 ----
KXC4355	78.0 -----	76.7 -----	84.3 -----	79.9 -----	79.4 -----
P89699	70.0 ----	66.6 ---	69.3 ---	65.9 ---	74.7 -----
1090F449-01	65.5 -	61.8 -	63.3 -	61.4 -	67.3 --
1097F714-01	66.5 -	62.3 -	65.3 --	63.7 --	67.7 --
SB2163	68.3 ---	66.4 ---	71.2 ---	67.2 ----	66.5 -
SA1934	70.5 ----	71.0 ----	74.0 -----	69.7 ----	69.4 ---
ES Traveler	70.1 ----	64.3 --	74.6 -----	74.4 -----	66.6 -
SY Opale	69.9 ----	68.7 ----	73.9 -----	67.0 ----	67.7 --
KWS Lupollino	69.4 ----	64.7 --	71.8 ----	72.3 -----	67.5 --
P9967	71.1 ----	67.3 ---	69.9 ----	68.1 ----	76.6 -----
Galismo	71.0 ----	70.6 ----	70.9 ----	71.1 -----	74.8 -----
-Bezugsgrösse(n)	71.5 ----	72.2 -----	71.9 ----	69.6 ----	73.7 -----
Versuchs-Mittel	71.6 ----	71.1 ----	74.4 -----	70.4 ----	72.1 ----
VK [%]	4.7	6.2	3.4	5.0	5.5
KGD (5%)	2.1	7.2	4.2	5.7	6.5
KGD (1%)	2.7	9.6	5.6	7.6	8.7
Versuchs-Streuung	3.4	4.4	2.6	3.5	4.0
FG Fehlerterm	395.0	54.0	56.0	56.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5518.5	29	16.66 ***	1.50	0.0000
Anbauorte	6764.7	6	98.73 ***	2.12	0.0000
WW Verf.*Anb.Orte	4140.8	174	2.08 ***	1.23	0.0003
Fehler	4510.5	395			
Insgesamt	20934.4	604			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	73.6 --	69.2 ---	66.1 -----
SY Amfora	72.7 -	69.0 ---	66.2 -----
KWS Editio	81.1 -----	68.9 --	67.9 -----
KWS Go	75.7 ----	73.6 -----	71.6 -----
SU Crumber	77.4 ----	72.1 ----	65.5 ----
Armoreen	76.5 ----	70.9 ----	66.7 ----
SY Remco	77.8 ----	70.6 ----	62.4 --
LZM374/34	76.1 ----	68.8 --	63.6 ----
LZM273/40	76.1 ----	71.3 ----	64.9 ----
EZ3545	74.5 ---	73.5 -----	62.7 ---
EZ3546	73.2 -	67.2 -	64.2 ----
MAS 275L	77.0 ----	71.6 ----	66.9 -----
Kanaveral	76.0 ----	72.7 -----	63.4 ---
DSP102940	78.9 -----	71.4 ----	68.9 -----
Boheminga	77.4 ----	76.5 -----	65.5 ----
GL200854	75.0 ---	75.2 -----	69.3 -----
Glanda	77.6 ----	71.7 ----	63.8 ----
KXC4123	80.0 -----	71.9 ----	70.8 -----
KXC4131	77.1 ----	69.9 ---	63.4 ---
KXC4355	81.5 -----	75.6 -----	68.8 -----
P89699	76.0 ----	74.8 -----	62.8 ---
1090F449-01	73.3 -	71.4 ----	60.2 -
1097F714-01	72.6 -	73.2 -----	60.7 -
SB2163	76.0 ----	69.8 ---	60.7 -
SA1934	75.8 ----	70.5 ----	62.7 ---
ES Traveler	73.3 -	74.9 -----	62.3 --
SY Opale	74.4 ---	75.2 -----	62.1 --
KWS Lupollino	76.2 ----	72.9 -----	60.2 -
P9967	75.1 ---	73.3 -----	67.4 -----
Galismo	74.2 --	70.7 ----	64.9 ----
-Bezugsgrösse(n)	76.9 ----	69.0 --	67.1 -----
Versuchs-Mittel	76.1 ----	71.9 -----	64.9 ----
VK [%]	4.5	3.7	4.1
KGD (5%)	ns	4.3	4.4
KGD (1%)	ns	5.8	5.9
Versuchs-Streuung	3.4	2.7	2.7
FG Fehlerterm	56.0	57.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	6.7 -	6.2 --	7.1 ---	7.1 -----	6.7 ---
SY Amfora	7.0 -----	6.6 ----	7.4 -----	7.2 -----	7.1 -----
KWS Editio	7.1 -----	7.1 -----	7.8 -----	7.4 -----	7.1 -----
KWS Go	6.9 ----	6.8 ----	7.2 ----	7.3 ----	6.6 ---
SU Crumber	7.1 -----	6.9 -----	7.5 -----	7.3 -----	7.2 -----
Armoreen	6.8 --	6.3 --	7.4 -----	7.3 -----	6.4 -
SY Remco	7.0 -----	7.1 -----	7.3 ----	7.2 ----	6.9 ----
LZM374/34	6.9 ----	6.7 ----	7.4 -----	7.0 ---	6.8 ----
LZM273/40	6.7 -	6.4 ---	7.2 ----	6.8 --	6.7 ---
EZ3545	6.8 ---	6.2 --	7.4 -----	7.0 ---	6.8 ----
EZ3546	6.8 --	6.3 --	7.4 -----	7.0 ---	6.7 ---
MAS 275L	7.1 -----	6.5 ----	7.5 -----	7.6 -----	7.1 -----
Kanaveral	6.9 ----	6.6 ----	7.5 -----	6.9 --	7.0 -----
DSP102940	6.9 ----	6.1 -	7.5 -----	7.3 -----	6.9 ----
Boheminga	7.0 -----	7.4 -----	7.4 -----	6.8 --	7.2 -----
GL200854	7.0 -----	7.0 -----	7.6 -----	7.1 ----	6.9 ----
Glanda	6.9 ----	6.9 -----	7.4 -----	6.9 --	7.1 -----
KXC4123	6.8 --	6.7 ----	7.2 ---	6.9 --	6.6 ---
KXC4131	6.9 ----	6.6 ----	7.3 ----	7.3 -----	7.0 -----
KXC4355	7.0 -----	6.4 ---	7.5 -----	7.3 -----	7.3 -----
P89699	6.8 --	6.4 ---	7.0 ---	6.7 -	7.2 -----
1090F449-01	6.8 --	6.3 --	6.8 -	6.9 ---	7.2 -----
1097F714-01	6.9 ----	6.5 ----	7.2 ----	7.3 -----	7.1 -----
SB2163	6.9 ----	6.6 ----	7.4 -----	7.0 --	7.0 -----
SA1934	6.9 ----	6.4 ---	7.4 -----	7.1 ----	6.9 ----
ES Traveler	6.8 ---	6.3 --	7.3 -----	7.2 -----	6.9 ----
SY Opale	6.9 -----	6.7 -----	7.4 -----	7.1 ----	7.0 -----
KWS Lupollino	6.7 -	6.2 --	7.1 ----	7.0 ---	6.9 ----
P9967	6.8 ---	6.0 -	7.3 -----	7.3 -----	6.9 ----
Galismo	7.0 -----	6.6 ----	7.5 -----	7.5 -----	7.2 -----
-Bezugsgrösse(n)	7.1 -----	6.8 -----	7.6 -----	7.3 -----	7.1 -----
Versuchs-Mittel	6.9 ----	6.6 ----	7.3 -----	7.1 ----	7.0 -----
VK [%]	3.9	7.2	2.4	4.1	4.0
KGD (5%)	0.2	ns	0.3	ns	ns
KGD (1%)	0.2	ns	0.4	ns	ns
Versuchs-Streuung	0.3	0.5	0.2	0.3	0.3
FG Fehlerterm	397.0	54.0	58.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	7.6	29	3.52 ***		1.50	0.0001
Anbauorte	60.2	6	135.48 ***		2.12	0.0000
WW Verf.*Anb.Orte	16.6	174	1.29 ns		1.23	
Fehler	29.4	397				
Insgesamt	113.8	606				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	7.1 ----	6.8 ----	6.3 ---
SY Amfora	7.2 -----	7.0 -----	6.6 -----
KWS Editio	7.3 -----	6.8 ----	6.5 -----
KWS Go	7.2 -----	6.8 ----	6.3 ----
SU Crumber	7.2 -----	7.0 -----	6.4 ----
Armoreen	7.0 ----	6.7 --	6.5 -----
SY Remco	7.0 ----	6.9 -----	6.4 ----
LZM374/34	7.1 -----	6.8 ----	6.4 ----
LZM273/40	7.0 ---	6.8 ----	6.1 -
EZ3545	7.1 -----	6.9 -----	6.4 ----
EZ3546	7.0 ---	6.6 -	6.5 -----
MAS 275L	7.2 -----	6.9 -----	6.9 -----
Kanaveral	7.1 -----	6.9 -----	6.3 ---
DSP102940	7.2 -----	6.9 -----	6.4 ----
Boheminga	7.1 -----	7.1 -----	6.3 ----
GL200854	7.1 -----	6.9 -----	6.5 -----
Glanda	6.9 -	6.8 ----	6.4 ----
KXC4123	7.1 -----	6.8 ----	6.4 ----
KXC4131	7.1 -----	6.8 ----	6.2 --
KXC4355	7.1 -----	6.9 -----	6.3 ---
P89699	7.0 ---	6.9 -----	6.1 -
1090F449-01	7.1 -----	7.0 -----	6.3 ---
1097F714-01	7.0 ---	7.1 -----	6.1 -
SB2163	7.0 ---	6.9 -----	6.4 ----
SA1934	7.0 -----	6.9 -----	6.3 ----
ES Traveler	7.0 -----	6.8 ----	6.3 ---
SY Opale	7.0 -----	6.9 -----	6.5 -----
KWS Lupollino	6.9 -	6.8 ----	6.3 ----
P9967	7.0 -----	7.0 -----	6.2 --
Galismo	7.1 -----	6.7 ---	6.5 -----
-Bezugsgrösse(n)	7.3 -----	6.9 -----	6.6 -----
Versuchs-Mittel	7.1 -----	6.9 -----	6.4 ----
VK [%]	2.3	2.8	3.5
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.2	0.2	0.2
FG Fehlerterm	58.0	57.0	56.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9610	7.0 -	6.3 --	7.5 ---	7.5 -----	6.9 ---
SY Amfora	7.4 -----	6.8 ----	7.9 -----	7.6 -----	7.5 -----
KWS Editio	7.5 -----	7.5 -----	8.4 -----	7.9 -----	7.5 -----
KWS Go	7.2 ----	7.1 ----	7.6 ----	7.7 ----	6.9 ---
SU Crumber	7.5 -----	7.3 -----	8.0 -----	7.7 -----	7.6 -----
Armoreen	7.1 --	6.5 --	7.9 -----	7.7 -----	6.7 -
SY Remco	7.3 -----	7.4 -----	7.8 ----	7.6 ----	7.2 ----
LZM374/34	7.2 ----	7.0 ----	7.9 -----	7.4 ----	7.2 ----
LZM273/40	7.0 -	6.6 ---	7.6 ----	7.1 --	7.0 ----
EZ3545	7.1 ---	6.3 --	7.9 -----	7.4 ----	7.2 ----
EZ3546	7.1 --	6.4 --	7.9 -----	7.4 ----	7.0 ----
MAS 275L	7.5 -----	6.7 ----	8.0 -----	8.1 -----	7.5 -----
Kanaveral	7.2 ----	6.8 ----	8.0 -----	7.3 --	7.3 -----
DSP102940	7.2 ----	6.2 -	8.0 -----	7.7 -----	7.2 -----
Boheminga	7.4 -----	7.9 -----	7.9 -----	7.1 --	7.6 -----
GL200854	7.4 -----	7.4 -----	8.2 -----	7.5 ----	7.3 -----
Glanda	7.2 ----	7.3 -----	7.8 ----	7.2 --	7.5 -----
KXC4123	7.1 --	6.9 ----	7.6 ----	7.2 --	6.9 ---
KXC4131	7.2 ----	6.8 ----	7.7 ----	7.8 -----	7.3 -----
KXC4355	7.3 -----	6.6 ---	8.0 -----	7.8 -----	7.7 -----
P89699	7.1 --	6.6 ---	7.4 ---	7.0 -	7.6 -----
1090F449-01	7.1 --	6.4 --	7.1 -	7.2 ---	7.6 -----
1097F714-01	7.2 ----	6.7 ----	7.6 ----	7.7 -----	7.5 -----
SB2163	7.2 ----	6.9 -----	7.9 -----	7.3 --	7.4 -----
SA1934	7.2 ----	6.6 ---	7.8 -----	7.5 ----	7.2 -----
ES Traveler	7.1 ---	6.4 --	7.8 -----	7.6 -----	7.2 -----
SY Opale	7.3 -----	6.9 -----	7.9 -----	7.5 ----	7.4 -----
KWS Lupollino	7.0 -	6.3 --	7.5 ----	7.3 ---	7.2 -----
P9967	7.1 ---	6.1 -	7.8 -----	7.7 -----	7.3 -----
Galismo	7.4 -----	6.9 ----	8.0 -----	8.0 -----	7.6 -----
-Bezugsgrösse(n)	7.5 -----	7.2 -----	8.1 -----	7.8 -----	7.5 -----
Versuchs-Mittel	7.2 ----	6.8 ----	7.8 -----	7.5 ----	7.3 -----
VK [%]	4.9	9.0	2.9	5.1	4.9
KGD (5%)	0.2	ns	0.4	ns	ns
KGD (1%)	0.3	ns	0.5	ns	ns
Versuchs-Streuung	0.4	0.6	0.2	0.4	0.4
FG Fehlerterm	397.0	54.0	58.0	58.0	56.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13.1	29	3.61 ***	1.50	0.0001
Anbauorte	102.6	6	136.88 ***	2.12	0.0000
WW Verf.*Anb.Orte	28.3	174	1.30 ns	1.23	
Fehler	49.6	397			
Insgesamt	193.5	606			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG	9465 Salez
P9610	7.5 ----	7.1 ----	6.4 ---
SY Amfora	7.6 -----	7.3 -----	6.9 -----
KWS Editio	7.8 -----	7.1 ----	6.7 -----
KWS Go	7.7 -----	7.1 ----	6.5 ----
SU Crumber	7.6 -----	7.4 -----	6.6 ----
Armoreen	7.4 ----	6.9 --	6.7 -----
SY Remco	7.4 ----	7.2 -----	6.6 ----
LZM374/34	7.5 -----	7.0 ----	6.6 ----
LZM273/40	7.4 ---	7.1 ----	6.2 -
EZ3545	7.5 -----	7.2 -----	6.5 ----
EZ3546	7.3 ---	6.8 -	6.7 -----
MAS 275L	7.6 -----	7.3 -----	7.2 -----
Kanaveral	7.4 ----	7.2 -----	6.4 ---
DSP102940	7.6 -----	7.2 -----	6.6 ----
Boheminga	7.5 -----	7.5 -----	6.5 ----
GL200854	7.5 -----	7.3 -----	6.7 -----
Glanda	7.2 -	7.1 ----	6.6 ----
KXC4123	7.5 -----	7.0 ----	6.6 ----
KXC4131	7.5 -----	7.1 ----	6.3 --
KXC4355	7.5 -----	7.3 -----	6.4 ---
P89699	7.3 ---	7.2 -----	6.2 -
1090F449-01	7.4 -----	7.4 -----	6.4 ---
1097F714-01	7.4 ---	7.5 -----	6.2 -
SB2163	7.3 ---	7.2 -----	6.6 ----
SA1934	7.4 ---	7.2 -----	6.5 ----
ES Traveler	7.4 ----	7.0 ----	6.4 ---
SY Opale	7.4 ----	7.2 -----	6.7 -----
KWS Lupollino	7.2 -	7.1 ----	6.5 ----
P9967	7.4 ----	7.3 -----	6.3 --
Galismo	7.5 -----	7.0 ---	6.7 -----
-Bezugsgrösse(n)	7.7 -----	7.2 -----	6.8 -----
Versuchs-Mittel	7.4 ----	7.2 -----	6.5 ----
VK [%]	2.8	3.5	4.4
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.2	0.3	0.3
FG Fehlerterm	58.0	57.0	56.0
Anz. Beob.	3.0	3.0	3.0

4.4 Serie spät / Série tardive

4.4.1 Standortangaben / Informations des lieux

			2025	
PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	380	16.05.2025	10.10.2025 * °
1567	Delley (Avenches)	432	02.05.2025	11.09.2025
8046	Reckenholz	440	23.04.2025	29.09.2025

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

° Qualitätsdaten nicht für Auswertung berücksichtigt / Informations liées à la qualité pas prises en compte pour les mises en valeur.

4.4.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P9911	X00B109	SC	Pioneer	Pioneer, Versoix		SM31/S
LG 31479		SC	Limagrain, Europe	Fenaco, Moudon		SM31/S
KWS Inteligens	KXB8383	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM31/S
P9967	1097A001-01	SC	Pioneer	Pioneer, Versoix		SM31/S
P9944	1099A002-01	SC	Pioneer	Pioneer, Versoix	KM31/e2	SM31/e2
Glatt		TC	SZG, A	Delley Samen und Pflanzen AG, Delley		SM31/e1
	KXC4201	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM31/e1
	KXC4356	SC	KWS, Einbeck	KWS Suisse SA, Basel		SM31/e1
P02085	1002B836-01	SC	Pioneer	Pioneer, Versoix		SM31/e1
SY Evident	SC4552	SC	Syngenta, CH	Syngenta, Stein	KM31/e1	SM31/e1
P9610	X95M764	SC	Pioneer	Pioneer, Versoix		SM21/S
SU Crumber	SG 125	SC	Saaten Union GmbH, D	Hauenstein, Rafz		SM21/S

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

Technische Versuchsangaben / données techniques / technical information			
Standort / lieu / site:	Nyon (380 m ü.M.)	Avenches (432 m ü.M.)	Reckenholz (384 m ü.M.)
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Parabraunerde
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):	488.2 mm (www.humidité des sols.ch station Changins) 1899.4 °C (Agrométéo station Changins) Irrigation : 30.06.2025 : 30 mm 10.07.2025 : 30 mm 12.08.2025 : 30 mm	412.8 mm (selon AgroMeteo, station Delley) 1609.6 °C (SM21), 1664.4°C (SM31) (selon AgroMeteo, station Delley)	591.4 mm (Meteostation Reckenholz) 1828.2 °C (Meteostation Reckenholz)
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengrösse / grandeur d'une parcelle / plot size:	4reihig, mit 1.33m Weg (20 m2 brutto), 10m2 netto	Semé: 17 m2 par parcelle (brut, avec chemin d'environ 1.1 m), 14.4 m2 net, 4 rangs Récolté: 8.5 m2 par parcelle (brut, avec chemin), 7.2 m2 net, 2 rangs au milieu	15m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3m2 netto
Vorfrucht / précédent cultural / previous crop:	Luzerne	Colza / EV: Phacélie	Sommerweizen
Bodenbearbeitung / travail du sol / soil cultivation:	labour 10.03.2025 - vibroculteur 30.04.2025 herse rotative 15.05.2025	08.11.24 décompactage, 30.04.25 Herse rotative	14.01.25 Mulcher, 03.04.25 Pflug, 08.04.25 Kreiselegge, 22.04.25 Kreiselegge
Saat / date de semis / sowing date:	16.05.2025 (jour 136)	02.05.2025	23.04.2025
Ernte / date de récolte / harvest date:	10.10.2025 (jour 283)	11.09.2025	29.09.2025
Saatdichte / densité de semis / sowing density:	9.5 Körner / grains pro m ²	10.9 Körner / grains pro m ² , éclairci à 9.2 plantes pro m ²	9.5 Körner / grains pro m ²
Vegetationsdauer / durée de vegetation / growing period	147 Tage / jours / days	132 Tage / jours / days	159 Tage / jours / days
Reihenabstand / interlignes / row distance:	75 cm	80 cm	75 cm
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	11.06.25 Hacken kombiniert mit Düngerausbringung
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	12.06.2025 : Equip Power 1,25 l /Spectrum 1 l/ha	23.05.25: 1.5l/ha Monsoon + 1.0l/ha Callisto + 1.2l/ha Spectrum	12.05.25: 2kg/ha Metarex Inov, 16.05.25: 3l/ha Pendimethalin SA-400 SC + 1.4l/ha Spectrum, 30.05.25: 0.2kg/ha Arrat + 2l/ha Laudis + 1l/ha Dash
Grunddüngung / fumure de base / basic fertilisation:	-	-	20.01.25: 355kg/ha Patentkali 30+6Mg (88.4kg K/ha)
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 222 kg/ha Nitrate d'ammoniaque 27.0.0 : 60 N 28.05.2025 : 110 kg/ha Urée perlée 46 % : 51 N	11.04.25: 380kg/ha Urée (46%) (174kg N/ha)	20.05.25: 210kg/ha Mg-Ammonsalpeter 24%+S (50kg N/ha), 11.06.25: 175kg/ha Harnstoff 46% (81kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-
Ernte / Récolte / harvest:	Baural Maishäcksler / ensileuse expérimentale	Ensileuse expérimentale	New Holland Versuchsmaishäcksler / ensileuse expérimentale

4.4.4 Index / Indice

Sorte	Status	VOS	Ertrag	Reife	Jugend- entwi.	Wurzellag. Veg.	Wurzellag. Ernte	Stängelbr. Ernte	Beulen- brand	Oekon. Index	Agron. Index	Gesamt- index
P9967	S	2.08	4.26	1.67	-0.03			-0.07	-0.41	6.35	1.16	7.51
SU Crumber	T	4.45	-7.29	2.33	0.19			-0.08	0.19	-2.84	2.63	-0.21
KXC4356	e1	0.73	-3.67	-0.42	0.47			0.07	0.41	-2.94	0.54	-2.40
P9944	e2	0.47	-3.57	0.70	0.03			-0.09	0.05	-3.10	0.69	-2.41
P9610	T	-0.50	-5.72	2.79	0.03			0.07	0.41	-6.22	3.30	-2.92
KXC4201	e1	0.92	-7.34	1.15	0.14			0.07	0.32	-6.42	1.68	-4.74
P02085	e1	-1.76	-1.43	-2.34	-0.08			-0.06	0.41	-3.19	-2.08	-5.27
SY Evident	e1	0.15	-5.39	-1.16	-0.42			0.07	0.21	-5.24	-1.30	-6.54
P9911	S	-2.08	-4.26	-1.67	0.03			0.07	0.41	-6.35	-1.16	-7.51
KWS Intelligens	S	-2.22	-3.25	-2.51	0.08			0.07	0.22	-5.48	-2.13	-7.61
LG 31479	S	2.89	-11.07	-2.16	-0.14			0.07	-3.08	-8.18	-5.31	-13.49
Glatt	e1	-6.24	-11.39	-0.33	0.25			0.07	-1.78	-17.63	-1.79	-19.42
Bezugsgrößen		0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
Anz. Beob.		6	6	6	9			3	6			
Anz. Orte		2	2	2	3			1	2			
Gewichtung		0.40	0.50	1.25	0.50	0.25	0.75	0.75	0.25			

4.4.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	Jugend- ent- wicklg. Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Stängel- bruch Ernte %	Beulen- brand %	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2
P9911	4.4	78.3	78.5	274.2	137.5	50.2	0.0	0.7	3.0	8.6
LG 31479	4.8	79.7	78.0	291.7	141.7	48.6	0.0	21.7	2.7	8.2
KWS Inteligens	4.3	76.5	76.0	278.3	122.5	44.0	0.0	1.9	1.7	8.4
P9967	4.6	77.5	78.5	287.5	140.0	48.7	0.5	5.7	1.3	7.9
P9944	4.4	77.5	78.7	289.2	128.3	44.2	0.6	2.9	1.3	8.2
Glatt	4.0	71.7	70.7	286.7	132.5	46.2	0.0	13.9	4.7	8.3
KXC4201	4.2	73.0	72.5	281.7	133.3	47.4	0.0	1.3	2.3	8.6
KXC4356	3.6	72.3	72.7	301.7	145.8	48.6	0.0	0.7	2.0	8.5
P02085	4.7	78.7	78.3	277.5	141.7	51.1	0.5	0.7	2.0	8.6
SY Evident	5.3	78.8	77.8	293.3	133.3	45.4	0.0	1.9	3.0	8.4
P9610	4.4	75.5	76.3	284.2	134.2	47.3	0.0	0.8	2.3	8.2
SU Crumber	4.1	73.7	72.8	288.3	137.5	47.7	0.6	2.1	3.0	8.3
Bezugsgrösse(n)	4.5	77.9	78.5	280.8	138.8	49.5	0.3	3.2	2.2	8.3
Versuchs-Mittel	4.4	76.1	75.9	286.2	135.7	47.4	0.2	4.5	2.4	8.4
VK [%]	15.2	1.7	1.4	3.2	7.0	7.6	311.1	179.6	22.2	5.9
KGD (5%)	0.6	1.5	1.3	10.8	11.1	4.2		9.4	0.9	
KGD (1%)	0.8	2.0	1.7	14.4				12.6	1.3	
Versuchs-Streuung	0.7	1.3	1.1	9.2	9.6	3.6	0.6	8.1	0.5	0.5
FG Fehlerterm	62.0	40.0	42.0	40.0	42.0	42.0	22.0	42.0	20.0	64.0
Anz. Beob.	9.0	6.0	6.0	6.0	6.0	6.0	3.0	6.0	3.0	9.0
Anz. Orte	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	3.0
Minimum	3.6	71.7	70.7	274.2	122.5	44.0	0.0	0.7	1.3	7.9
Maximum	5.3	79.7	78.7	301.7	145.8	51.1	0.6	21.7	4.7	8.6

Sorten Bezeichnung	Ertrag g.Pfl. frisch dt/ha	TS- Ertrag g.Pfl. dt/ha	TS- Gehalt g.Pfl. %	VOS- Ertrag dt/ha	Stärke- Ertrag dt/ha	VOS Gehalt NIR g/kg TS	Stärke Gehalt NIR g/kg TS	Rohfaser Gehalt NIR g/kg TS	NDF Gehalt NIR g/kg TS
P9911	636.7	219.3	34.7	165.9	87.2	757.0	397.7	182.1	402.6
LG 31479	580.6	198.9	34.1	154.6	82.0	775.6	409.1	172.8	393.9
KWS Inteligens	659.0	222.3	33.7	168.2	88.1	756.4	395.0	182.4	409.1
P9967	634.7	244.9	38.7	189.3	101.3	772.6	416.4	173.6	389.1
P9944	593.1	221.4	37.5	169.5	95.3	766.5	432.4	174.5	386.9
Glatt	543.0	197.9	36.3	146.6	73.6	741.4	372.5	186.4	406.1
KXC4201	553.6	210.1	38.1	161.4	91.3	768.2	434.7	168.0	375.5
KXC4356	609.2	221.1	36.2	169.6	88.5	767.5	400.7	168.3	380.8
P02085	672.0	227.8	33.9	172.8	88.4	758.2	387.8	182.1	407.9
SY Evident	613.3	215.9	35.3	165.4	84.9	765.3	391.9	178.3	398.6
P9610	537.3	214.9	40.0	164.0	89.7	762.9	417.1	176.1	392.6
SU Crumber	539.0	210.2	39.5	162.6	92.6	781.5	443.1	164.6	371.8
Bezugsgrösse(n)	635.7	232.1	36.7	177.6	94.3	764.8	407.0	177.9	395.8
Versuchs-Mittel	597.6	217.1	36.5	165.8	88.6	764.4	408.2	175.8	392.9
VK [%]	6.9	7.1	3.3	7.6	8.7	2.0	5.6	5.5	4.4
KGD (5%)	48.2	17.9	1.4	14.7	8.9	18.1	26.5	11.3	20.3
KGD (1%)	64.5	23.9	1.9	19.6	12.0	24.1	35.4	15.0	27.1
Versuchs-Streuung	41.4	15.3	1.2	12.6	7.7	15.5	22.8	9.7	17.4
FG Fehlerterm	42.0	42.0	40.0	41.0	41.0	43.0	43.0	43.0	43.0
Anz. Beob.	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Anz. Orte	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum	537.3	197.9	33.7	146.6	73.6	741.4	372.5	164.6	371.8
Maximum	672.0	244.9	40.0	189.3	101.3	781.5	443.1	186.4	409.1

Sorten Bezeichnung	ADF Gehalt NIR g/kg TS	ADL Gehalt NIR g/kg TS	Rohprotein Gehalt NIR g/kg TS	NEL Gehalt MJ/kg TS	NEV Gehalt MJ/kg TS
P9911	205.7	17.4	70.0	7.0	7.4
LG 31479	192.4	15.9	74.8	7.2	7.6
KWS Inteligens	206.0	18.1	69.7	7.0	7.3
P9967	195.3	17.0	70.4	7.2	7.6
P9944	197.4	17.9	69.2	7.1	7.5
Glatt	219.0	19.7	74.1	6.8	7.1
KXC4201	193.3	17.3	75.4	7.1	7.5
KXC4356	196.2	17.7	77.2	7.1	7.5
P02085	206.7	17.5	70.3	7.0	7.4
SY Evident	202.1	18.5	72.3	7.1	7.5
P9610	200.0	19.2	70.0	7.1	7.4
SU Crumber	185.8	16.9	72.9	7.3	7.7
Bezugsgrösse(n)	200.5	17.2	70.2	7.1	7.5
Versuchs-Mittel	200.0	17.7	72.2	7.1	7.5
VK [%]	5.7	5.9	4.9	2.5	3.1
KGD (5%)	13.2	1.2	4.1	0.2	0.3
KGD (1%)	17.7	1.6	5.5	0.3	0.4
Versuchs-Streuung	11.4	1.0	3.5	0.2	0.2
FG Fehlerterm	43.0	43.0	39.0	43.0	43.0
Anz. Beob.	6.0	6.0	6.0	6.0	6.0
Anz. Orte	2.0	2.0	2.0	2.0	2.0
Minimum	185.8	15.9	69.2	6.8	7.1
Maximum	219.0	19.7	77.2	7.3	7.7

4.4.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	8046 Reckenholz ZH
P9911	4.4 -----	4.3 -----	5.3 ---	3.7 -----
LG 31479	4.8 -----	4.7 -----	5.7 ----	4.0 -----
KWS Inteligens	4.3 -----	4.3 -----	5.3 ---	3.3 -----
P9967	4.6 -----	4.7 -----	5.3 ---	3.7 -----
P9944	4.4 -----	4.7 -----	5.3 ---	3.3 -----
Glatt	4.0 ---	3.3 -	5.7 ----	3.0 -----
KXC4201	4.2 ----	4.7 -----	5.0 -	3.0 -----
KXC4356	3.6 -	3.7 ---	5.0 -	2.0 -
P02085	4.7 -----	4.7 -----	5.3 ---	4.0 -----
SY Evident	5.3 -----	5.0 -----	6.7 -----	4.3 -----
P9610	4.4 -----	4.7 -----	5.0 -	3.7 -----
SU Crumber	4.1 ----	4.3 -----	5.0 -	3.0 -----
-Bezugsgrösse(n)	4.5 -----	4.5 -----	5.3 ---	3.7 -----
Versuchs-Mittel	4.4 -----	4.4 -----	5.4 ---	3.4 -----
VK [%]	15.2	10.9	9.8	26.1
KGD (5%)	0.6	0.8	0.9	ns
KGD (1%)	0.8	ns	ns	ns
Versuchs-Streuung	0.7	0.5	0.5	0.9
FG Fehlerterm	62.0	20.0	20.0	22.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	19.0	11	3.86 ***	1.95	0.0005
Anbauorte	70.0	2	78.30 ***	3.14	0.0000
WW Verf.*Anb.Orte	8.4	22	0.86 ns	1.72	0.6468
Fehler	27.7	62			
Insgesamt	125.1	97			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	78.3 -----	66.7 -----	90.0 -----
LG 31479	79.7 -----	69.3 -----	90.0 -----
KWS Inteligens	76.5 -----	66.7 -----	86.3 -----
P9967	77.5 -----	66.3 -----	88.7 -----
P9944	77.5 -----	66.7 -----	88.3 -----
Glatt	71.7 -	61.0 -	82.3 -
KXC4201	73.0 --	63.0 ---	83.0 -
KXC4356	72.3 -	62.3 --	82.3 -
P02085	78.7 -----	68.7 -----	88.7 -----
SY Evident	78.8 -----	68.3 -----	89.3 -----
P9610	75.5 -----	66.0 -----	85.0 ----
SU Crumber	73.7 ---	63.7 ----	83.7 --
-Bezugsgrösse(n)	77.9 -----	66.5 -----	89.3 -----
Versuchs-Mittel	76.1 -----	65.7 -----	86.5 -----
VK [%]	1.7	1.4	1.8
KGD (5%)	1.5	1.5	2.7
KGD (1%)	2.0	2.1	3.6
Versuchs-Streuung	1.3	0.9	1.6
FG Fehlerterm	40.0	20.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	513.5	11	28.97 ***	2.04	0.0000
Anbauorte	7750.1	1	4810.42 ***	4.08	0.0000
WW Verf.*Anb.Orte	25.4	11	1.43 ns	2.04	0.1968
Fehler	64.4	40			
Insgesamt	8353.4	63			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	78.5 -----	66.3 -----	90.7 -----
LG 31479	78.0 -----	66.7 -----	89.3 -----
KWS Inteligens	76.0 -----	64.7 -----	87.3 -----
P9967	78.5 -----	66.7 -----	90.3 -----
P9944	78.7 -----	67.0 -----	90.3 -----
Glatt	70.7 -	59.0 -	82.3 -
KXC4201	72.5 ---	61.7 ---	83.3 --
KXC4356	72.7 ---	61.3 ---	84.0 ---
P02085	78.3 -----	67.7 -----	89.0 -----
SY Evident	77.8 -----	67.0 -----	88.7 -----
P9610	76.3 -----	65.7 -----	87.0 -----
SU Crumber	72.8 ---	61.7 ---	84.0 ---
-Bezugsgrösse(n)	78.5 -----	66.5 -----	90.5 -----
Versuchs-Mittel	75.9 -----	64.6 -----	87.2 -----
VK [%]	1.4	1.5	1.4
KGD (5%)	1.3	1.7	2.0
KGD (1%)	1.7	2.3	2.7
Versuchs-Streuung	1.1	1.0	1.2
FG Fehlerterm	42.0	20.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	565.5	11	42.47 ***	2.03	0.0000
Anbauorte	9180.1	1	7584.89 ***	4.07	0.0000
WW Verf.*Anb.Orte	15.4	11	1.15 ns	2.03	0.3463
Fehler	50.8	42			
Insgesamt	9811.8	65			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	274.2 -	285.0 -	263.3 -
LG 31479	291.7 -----	301.7 -----	281.7 -----
KWS Inteligens	278.3 --	288.3 --	268.3 ---
P9967	287.5 -----	293.3 ---	281.7 -----
P9944	289.2 -----	301.7 -----	276.7 -----
Glatt	286.7 -----	296.7 ---	276.7 -----
KXC4201	281.7 ---	288.3 --	275.0 -----
KXC4356	301.7 -----	315.0 -----	288.3 -----
P02085	277.5 --	286.7 -	268.3 ---
SY Evident	293.3 -----	301.7 -----	285.0 -----
P9610	284.2 -----	288.3 --	280.0 -----
SU Crumber	288.3 -----	295.0 ---	281.7 -----
-Bezugsgrösse(n)	280.8 ---	289.2 --	272.5 ---
Versuchs-Mittel	286.2 -----	295.1 -----	277.2 -----
VK [%]	3.2	2.8	3.7
KGD (5%)	10.8	13.9	ns
KGD (1%)	14.4	18.9	ns
Versuchs-Streuung	9.2	8.1	10.2
FG Fehlerterm	40.0	20.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3853.8	11	4.10 ***	2.04	0.0006
Anbauorte	5778.1	1	67.67 ***	4.08	0.0000
WW Verf.*Anb.Orte	492.7	11	0.52 ns	2.04	0.8750
Fehler	3415.3	40			
Insgesamt	13539.9	63			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	137.5 -----	143.3 -----	131.7 -----
LG 31479	141.7 -----	146.7 -----	136.7 -----
KWS Inteligens	122.5 -	128.3 -	116.7 --
P9967	140.0 -----	135.0 ---	145.0 -----
P9944	128.3 ---	143.3 -----	113.3 -
Glatt	132.5 ----	138.3 -----	126.7 ----
KXC4201	133.3 ----	133.3 ---	133.3 -----
KXC4356	145.8 -----	146.7 -----	145.0 -----
P02085	141.7 -----	143.3 -----	140.0 -----
SY Evident	133.3 ----	145.0 -----	121.7 ---
P9610	134.2 -----	138.3 -----	130.0 -----
SU Crumber	137.5 -----	143.3 -----	131.7 -----
-Bezugsgrösse(n)	138.8 -----	139.2 -----	138.3 -----
Versuchs-Mittel	135.7 -----	140.4 -----	131.0 -----
VK [%]	7.0	4.1	9.6
KGD (5%)	11.1	9.6	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	9.6	5.7	12.5
FG Fehlerterm	42.0	22.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2706.9	11	2.69 *	2.03	0.0103
Anbauorte	1605.6	1	17.55 ***	4.07	0.0002
WW Verf.*Anb.Orte	1802.8	11	1.79 ns	2.03	0.0866
Fehler	3843.1	42			
Insgesamt	9958.3	65			

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	50.2 -----	50.3 -----	50.1 -----
LG 31479	48.6 -----	48.6 -----	48.7 -----
KWS Inteligens	44.0 -	44.5 -	43.5 ---
P9967	48.7 -----	46.0 ---	51.4 -----
P9944	44.2 -	47.6 -----	40.9 -
Glatt	46.2 ----	46.6 ----	45.8 ----
KXC4201	47.4 ----	46.2 ----	48.5 -----
KXC4356	48.6 -----	46.6 ---	50.7 -----
P02085	51.1 -----	50.0 -----	52.1 -----
SY Evident	45.4 ---	48.1 -----	42.7 --
P9610	47.3 -----	48.0 -----	46.6 -----
SU Crumber	47.7 -----	48.6 -----	46.8 -----
-Bezugsgrösse(n)	49.5 -----	48.1 -----	50.8 -----
Versuchs-Mittel	47.4 -----	47.6 -----	47.3 -----
VK [%]	7.6	3.8	10.3
KGD (5%)	4.2	3.0	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	3.6	1.8	4.9
FG Fehlerterm	42.0	22.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	317.8	11	2.22 *	2.03	0.0317
Anbauorte	1.4	1	0.10 ns	4.07	0.7484
WW Verf.*Anb.Orte	204.6	11	1.43 ns	2.03	0.1967
Fehler	547.2	42			
Insgesamt	1071.0	65			

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

Verfahren	Seriemittel	8046 Reckenholz ZH
P9911	0.0 -	0.0 -
LG 31479	0.0 -	0.0 -
KWS Inteligens	0.0 -	0.0 -
P9967	0.5 -----	0.5 -----
P9944	0.6 -----	0.6 -----
Glatt	0.0 -	0.0 -
KXC4201	0.0 -	0.0 -
KXC4356	0.0 -	0.0 -
P02085	0.5 -----	0.5 -----
SY Evident	0.0 -	0.0 -
P9610	0.0 -	0.0 -
SU Crumber	0.6 -----	0.6 -----
-Bezugsgrösse(n)	0.3 -----	0.3 -----
Versuchs-Mittel	0.2 ----	0.2 ----
VK [%]	311.1	311.1
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.6	0.6
FG Fehlerterm	22.0	22.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH
P9911	0.7 -	1.4 -	0.0 -
LG 31479	21.7 -----	37.4 -----	6.0 -----
KWS Inteligens	1.9 -	2.5 -	1.2 --
P9967	5.7 ---	11.3 ---	0.0 -
P9944	2.9 --	5.1 --	0.6 -
Glatt	13.9 -----	18.3 -----	9.4 -----
KXC4201	1.3 -	1.4 -	1.1 --
KXC4356	0.7 -	1.4 -	0.0 -
P02085	0.7 -	1.4 -	0.0 -
SY Evident	1.9 -	3.1 -	0.7 -
P9610	0.8 -	1.5 -	0.0 -
SU Crumber	2.1 -	2.9 -	1.3 --
-Bezugsgrösse(n)	3.2 --	6.4 --	0.0 -
Versuchs-Mittel	4.5 --	7.3 --	1.7 --
VK [%]	179.6	155.1	165.7
KGD (5%)	9.4	19.3	4.7
KGD (1%)	12.6	ns	6.4
Versuchs-Streuung	8.1	11.4	2.8
FG Fehlerterm	42.0	20.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2843.7	11	3.94 ***	2.03	0.0007
Anbauorte	571.4	1	8.72 **	4.07	0.0051
WW Verf.*Anb.Orte	1280.5	11	1.78 ns	2.03	0.0896
Fehler	2752.3	42			
Insgesamt	7447.9	65			

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
P9911	3.0 -----	3.0 -----
LG 31479	2.7 -----	2.7 -----
KWS Inteligens	1.7 --	1.7 --
P9967	1.3 -	1.3 -
P9944	1.3 -	1.3 -
Glatt	4.7 -----	4.7 -----
KXC4201	2.3 ----	2.3 ----
KXC4356	2.0 ---	2.0 ---
P02085	2.0 ---	2.0 ---
SY Evident	3.0 -----	3.0 -----
P9610	2.3 ----	2.3 ----
SU Crumber	3.0 -----	3.0 -----
-Bezugsgrösse(n)	2.2 ---	2.2 ---
Versuchs-Mittel	2.4 ----	2.4 ----
VK [%]	22.2	22.2
KGD (5%)	0.9	0.9
KGD (1%)	1.3	1.3
Versuchs-Streuung	0.5	0.5
FG Fehlerterm	20.0	20.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	8046 Reckenholz ZH
P9911	8.6 -----	9.3 -----	7.8 -	8.7 -----
LG 31479	8.2 -----	9.0 ---	7.8 -	7.8 -----
KWS Inteligens	8.4 -----	9.2 -----	7.8 -	8.4 -----
P9967	7.9 -	8.9 --	7.8 -	7.0 -
P9944	8.2 -----	9.1 ----	7.8 -	7.9 -----
Glatt	8.3 -----	8.9 -	7.8 -	8.3 -----
KXC4201	8.6 -----	9.3 -----	7.8 -	8.7 -----
KXC4356	8.5 -----	9.4 -----	7.8 -	8.3 -----
P02085	8.6 -----	9.3 -----	7.8 -	8.7 -----
SY Evident	8.4 -----	9.5 -----	7.8 -	8.0 -----
P9610	8.2 -----	8.9 -	7.8 -	8.1 -----
SU Crumber	8.3 -----	9.3 -----	7.8 -	7.8 -----
-Bezugsgrösse(n)	8.3 -----	9.1 -----	7.8 -	7.8 -----
Versuchs-Mittel	8.4 -----	9.2 -----	7.8 -	8.1 -----
VK [%]	5.9	2.8	0.0	9.9
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	0.5	0.3	0.0	0.8
FG Fehlerterm	64.0	20.0	22.0	22.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4.2	11	1.58 ns	1.94	0.1257
Anbauorte	38.2	2	78.52 ***	3.14	0.0000
WW Verf.*Anb.Orte	5.2	22	0.96 ns	1.71	0.5188
Fehler	15.6	64			
Insgesamt	63.2	99			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	636.7 -----	546.2 -----	727.3 -----
LG 31479	580.6 ----	505.2 ----	656.0 ----
KWS Inteligens	659.0 -----	579.9 -----	738.1 -----
P9967	634.7 -----	530.0 -----	739.4 -----
P9944	593.1 ----	517.6 ----	668.6 ----
Glatt	543.0 -	472.8 ---	613.3 --
KXC4201	553.6 --	466.6 ---	640.6 ----
KXC4356	609.2 -----	503.0 ----	715.3 -----
P02085	672.0 -----	596.7 -----	747.4 -----
SY Evident	613.3 -----	517.9 -----	708.7 -----
P9610	537.3 -	483.3 ----	591.3 -
SU Crumber	539.0 -	431.0 -	647.0 ----
-Bezugsgrösse(n)	635.7 -----	538.1 -----	733.3 -----
Versuchs-Mittel	597.6 ----	512.5 -----	682.7 -----
VK [%]	6.9	6.8	7.0
KGD (5%)	48.2	59.2	80.9
KGD (1%)	64.5	80.4	110.3
Versuchs-Streuung	41.4	34.9	47.5
FG Fehlerterm	42.0	22.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	149321.1	11	7.92 ***	2.03	0.0000
Anbauorte	521621.6	1	304.50 ***	4.07	0.0000
WW Verf.*Anb.Orte	17951.8	11	0.95 ns	2.03	0.5022
Fehler	71947.1	42			
Insgesamt	760841.5	65			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	219.3 ----	199.0 -----	239.6 ---
LG 31479	198.9 -	166.7 -	231.0 -
KWS Inteligens	222.3 -----	193.3 -----	251.3 -----
P9967	244.9 -----	206.6 -----	283.1 -----
P9944	221.4 -----	201.0 -----	241.7 ---
Glatt	197.9 -	167.2 -	228.7 -
KXC4201	210.1 ---	180.9 ----	239.3 ---
KXC4356	221.1 -----	180.0 ----	262.2 -----
P02085	227.8 -----	201.8 -----	253.8 -----
SY Evident	215.9 ----	186.3 ----	245.5 ----
P9610	214.9 ----	195.6 -----	234.3 --
SU Crumber	210.2 ---	179.6 ----	240.9 ---
-Bezugsgrösse(n)	232.1 -----	202.8 -----	261.3 -----
Versuchs-Mittel	217.1 ----	188.2 -----	245.9 ----
VK [%]	7.1	5.7	7.8
KGD (5%)	17.9	18.3	ns
KGD (1%)	23.9	24.9	ns
Versuchs-Streuung	15.3	10.8	19.1
FG Fehlerterm	42.0	22.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	10534.4	11	4.08 ***	2.03	0.0006
Anbauorte	60076.0	1	255.84 ***	4.07	0.0000
WW Verf.*Anb.Orte	3006.2	11	1.16 ns	2.03	0.3403
Fehler	9862.4	42			
Insgesamt	83479.0	65			

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	34.7 --	36.4 ----	32.9 -
LG 31479	34.1 -	33.0 -	35.2 ----
KWS Inteligens	33.7 -	33.4 -	34.0 --
P9967	38.7 -----	39.1 -----	38.3 -----
P9944	37.5 -----	38.9 -----	36.1 ----
Glatt	36.3 ----	35.4 ---	37.2 -----
KXC4201	38.1 -----	38.8 -----	37.4 -----
KXC4356	36.2 ----	35.8 ----	36.6 -----
P02085	33.9 -	33.8 --	34.0 --
SY Evident	35.3 ---	36.0 ----	34.6 ---
P9610	40.0 -----	40.5 -----	39.6 -----
SU Crumber	39.5 -----	41.8 -----	37.2 -----
-Bezugsgrösse(n)	36.7 -----	37.7 -----	35.6 -----
Versuchs-Mittel	36.5 -----	36.9 -----	36.1 -----
VK [%]	3.3	2.8	3.7
KGD (5%)	1.4	1.7	2.3
KGD (1%)	1.9	2.4	3.1
Versuchs-Streuung	1.2	1.0	1.3
FG Fehlerterm	40.0	20.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	331.2	11	21.03 ***	2.04	0.0000
Anbauorte	11.5	1	8.00 **	4.08	0.0073
WW Verf.*Anb.Orte	70.6	11	4.48 ***	2.04	0.0004
Fehler	57.3	40			
Insgesamt	470.6	63			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	165.9 ----	153.1 -----	178.7 --
LG 31479	154.6 --	128.0 --	181.1 ---
KWS Inteligens	168.2 -----	145.8 -----	190.7 ----
P9967	189.3 -----	159.4 -----	219.2 -----
P9944	169.5 -----	155.4 -----	183.7 ---
Glatt	146.6 -	123.3 -	169.9 -
KXC4201	161.4 ----	138.4 ----	184.5 ----
KXC4356	169.6 -----	138.8 ----	200.5 -----
P02085	172.8 -----	152.8 -----	192.7 ----
SY Evident	165.4 ----	141.7 -----	189.0 ----
P9610	164.0 ----	148.6 -----	179.4 ---
SU Crumber	162.6 ----	136.6 ----	188.6 ----
-Bezugsgrösse(n)	177.6 -----	156.2 -----	199.0 -----
Versuchs-Mittel	165.8 -----	143.5 -----	188.2 ----
VK [%]	7.6	6.2	8.3
KGD (5%)	14.7	15.1	ns
KGD (1%)	19.6	20.5	ns
Versuchs-Streuung	12.6	8.9	15.6
FG Fehlerterm	41.0	21.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6965.7	11	3.99 ***	2.03	0.0006
Anbauorte	35930.8	1	226.65 ***	4.07	0.0000
WW Verf.*Anb.Orte	2256.1	11	1.29 ns	2.03	0.2624
Fehler	6499.8	41			
Insgesamt	51652.4	64			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	87.2 ----	80.3 -----	94.0 ----
LG 31479	82.0 ----	65.3 --	98.7 ----
KWS Inteligens	88.1 -----	74.8 -----	101.4 -----
P9967	101.3 -----	89.3 -----	113.4 -----
P9944	95.3 -----	90.4 -----	100.3 -----
Glatt	73.6 -	62.1 -	85.1 -
KXC4201	91.3 -----	78.3 -----	104.2 -----
KXC4356	88.5 -----	72.3 ----	104.8 -----
P02085	88.4 -----	77.6 -----	99.3 -----
SY Evident	84.9 -----	71.2 ----	98.7 -----
P9610	89.7 -----	80.5 -----	98.9 -----
SU Crumber	92.6 -----	75.8 ----	109.4 -----
-Bezugsgrösse(n)	94.3 -----	84.8 -----	103.7 -----
Versuchs-Mittel	88.6 -----	76.5 -----	100.7 -----
VK [%]	8.7	8.6	8.6
KGD (5%)	8.9	11.1	ns
KGD (1%)	12.0	15.2	ns
Versuchs-Streuung	7.7	6.6	8.7
FG Fehlerterm	41.0	21.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3097.3	11	4.78 ***	2.03	0.0003
Anbauorte	10526.6	1	178.87 ***	4.07	0.0000
WW Verf.*Anb.Orte	920.7	11	1.42 ns	2.03	0.1999
Fehler	2412.9	41			
Insgesamt	16957.5	64			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	757.0 ----	768.6 -----	745.3 -
LG 31479	775.6 -----	767.3 -----	783.9 -----
KWS Inteligens	756.4 ----	754.1 ----	758.7 ----
P9967	772.6 -----	771.1 -----	774.1 -----
P9944	766.5 -----	773.0 -----	760.0 ----
Glatt	741.4 -	738.7 -	744.0 -
KXC4201	768.2 -----	765.1 -----	771.3 -----
KXC4356	767.5 -----	771.8 -----	763.2 ----
P02085	758.2 -----	757.4 ----	758.9 ----
SY Evident	765.3 -----	760.5 -----	770.1 -----
P9610	762.9 -----	760.3 -----	765.5 -----
SU Crumber	781.5 -----	779.9 -----	783.1 -----
-Bezugsgrösse(n)	764.8 -----	769.8 -----	759.7 -----
Versuchs-Mittel	764.4 -----	764.0 -----	764.8 -----
VK [%]	2.0	1.9	2.1
KGD (5%)	18.1	ns	ns
KGD (1%)	24.1	ns	ns
Versuchs-Streuung	15.5	14.9	16.1
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7218.9	11	2.73 **	2.02	0.0092
Anbauorte	13.1	1	0.05 ns	4.06	0.8167
WW Verf.*Anb.Orte	1914.4	11	0.72 ns	2.02	0.7107
Fehler	10355.2	43			
Insgesamt	19501.6	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	397.7 ----	402.8 ----	392.5 ---
LG 31479	409.1 -----	390.5 ---	427.7 -----
KWS Inteligens	395.0 ----	386.7 --	403.4 ----
P9967	416.4 -----	431.9 -----	400.8 ----
P9944	432.4 -----	449.6 -----	415.1 -----
Glatt	372.5 -	372.9 -	372.1 -
KXC4201	434.7 -----	433.3 -----	436.1 -----
KXC4356	400.7 ----	403.6 ----	397.8 ----
P02085	387.8 ---	384.6 --	391.0 ---
SY Evident	391.9 ---	382.2 --	401.5 ----
P9610	417.1 -----	412.3 -----	421.9 -----
SU Crumber	443.1 -----	431.9 -----	454.3 -----
-Bezugsgrösse(n)	407.0 -----	417.4 -----	396.7 ----
Versuchs-Mittel	408.2 -----	406.9 -----	409.5 -----
VK [%]	5.6	6.3	4.9
KGD (5%)	26.5	43.2	33.7
KGD (1%)	35.4	ns	45.7
Versuchs-Streuung	22.8	25.4	19.9
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	29678.2	11	5.21 ***	2.02	0.0002
Anbauorte	125.5	1	0.24 ns	4.06	0.6251
WW Verf.*Anb.Orte	7326.4	11	1.29 ns	2.02	0.2651
Fehler	22276.0	43			
Insgesamt	59406.1	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	182.1 -----	179.8 -----	184.4 -----
LG 31479	172.8 ----	180.2 -----	165.3 ---
KWS Inteligens	182.4 -----	186.9 -----	177.9 -----
P9967	173.6 -----	176.5 -----	170.8 ----
P9944	174.5 -----	175.9 -----	173.2 -----
Glatt	186.4 -----	186.9 -----	186.0 -----
KXC4201	168.0 --	173.4 ----	162.6 --
KXC4356	168.3 --	167.4 -	169.1 ----
P02085	182.1 -----	187.8 -----	176.4 -----
SY Evident	178.3 -----	188.0 -----	168.6 ----
P9610	176.1 -----	182.6 -----	169.7 ----
SU Crumber	164.6 -	171.5 ---	157.7 -
-Bezugsgrösse(n)	177.9 -----	178.1 -----	177.6 -----
Versuchs-Mittel	175.8 -----	179.7 -----	171.8 -----
VK [%]	5.5	5.3	5.7
KGD (5%)	11.3	ns	ns
KGD (1%)	15.0	ns	ns
Versuchs-Streuung	9.7	9.5	9.9
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2995.1	11	2.91 **	2.02	0.0059
Anbauorte	1132.8	1	12.12 **	4.06	0.0012
WW Verf.*Anb.Orte	890.8	11	0.87 ns	2.02	0.5782
Fehler	4018.8	43			
Insgesamt	9037.4	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	402.6 -----	400.2 -----	404.9 -----
LG 31479	393.9 -----	413.0 -----	374.9 ---
KWS Inteligens	409.1 -----	422.0 -----	396.2 -----
P9967	389.1 -----	396.3 -----	382.0 -----
P9944	386.9 -----	388.2 ---	385.6 -----
Glatt	406.1 -----	411.2 -----	400.9 -----
KXC4201	375.5 --	386.0 --	364.9 -
KXC4356	380.8 ---	378.8 -	382.8 -----
P02085	407.9 -----	419.0 -----	396.8 -----
SY Evident	398.6 -----	412.2 -----	385.1 -----
P9610	392.6 -----	403.1 -----	382.2 -----
SU Crumber	371.8 -	379.4 -	364.1 -
-Bezugsgrösse(n)	395.8 -----	398.2 -----	393.5 -----
Versuchs-Mittel	392.9 -----	400.8 -----	385.0 -----
VK [%]	4.4	4.4	4.5
KGD (5%)	20.3	ns	ns
KGD (1%)	27.1	ns	ns
Versuchs-Streuung	17.4	17.7	17.2
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	10417.7	11	3.12 **	2.02	0.0036
Anbauorte	4458.5	1	14.69 ***	4.06	0.0005
WW Verf.*Anb.Orte	2761.9	11	0.83 ns	2.02	0.6140
Fehler	13049.3	43			
Insgesamt	30687.4	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	205.7 -----	198.6 ---	212.8 -----
LG 31479	192.4 ---	197.7 ---	187.1 --
KWS Inteligens	206.0 -----	208.0 -----	203.9 -----
P9967	195.3 ---	195.9 --	194.7 -----
P9944	197.4 -----	194.6 --	200.1 -----
Glatt	219.0 -----	219.5 -----	218.5 -----
KXC4201	193.3 ---	197.8 ---	188.8 ---
KXC4356	196.2 -----	193.8 --	198.6 -----
P02085	206.7 -----	209.4 -----	203.9 -----
SY Evident	202.1 -----	209.1 -----	195.2 -----
P9610	200.0 -----	205.2 -----	194.9 -----
SU Crumber	185.8 -	190.8 -	180.9 -
-Bezugsgrösse(n)	200.5 -----	197.2 ---	203.8 -----
Versuchs-Mittel	200.0 -----	201.7 -----	198.3 -----
VK [%]	5.7	5.9	5.5
KGD (5%)	13.2	ns	18.4
KGD (1%)	17.7	ns	ns
Versuchs-Streuung	11.4	11.8	10.9
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4952.5	11	3.49 **	2.02	0.0015
Anbauorte	210.3	1	1.63 ns	4.06	0.2084
WW Verf.*Anb.Orte	1130.3	11	0.80 ns	2.02	0.6421
Fehler	5544.3	43			
Insgesamt	11837.4	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	17.4 ----	15.1 -	19.7 -----
LG 31479	15.9 -	15.0 -	16.8 -
KWS Inteligens	18.1 -----	16.7 ----	19.4 -----
P9967	17.0 ---	15.6 --	18.3 ----
P9944	17.9 -----	16.0 ---	19.8 -----
Glatt	19.7 -----	17.9 -----	21.5 -----
KXC4201	17.3 ----	16.1 ---	18.5 ----
KXC4356	17.7 -----	17.0 -----	18.4 ----
P02085	17.5 -----	16.7 ----	18.3 ----
SY Evident	18.5 -----	18.6 -----	18.4 ----
P9610	19.2 -----	19.6 -----	18.8 ----
SU Crumber	16.9 ---	16.6 ----	17.2 -
-Bezugsgrösse(n)	17.2 ----	15.3 -	19.0 ----
Versuchs-Mittel	17.7 -----	16.7 ----	18.8 ----
VK [%]	5.9	4.8	6.5
KGD (5%)	1.2	1.4	2.1
KGD (1%)	1.6	1.9	ns
Versuchs-Streuung	1.0	0.8	1.2
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	69.8	11	5.82 ***	2.02	0.0001
Anbauorte	73.4	1	67.35 ***	4.06	0.0000
WW Verf.*Anb.Orte	43.0	11	3.59 **	2.02	0.0012
Fehler	46.9	43			
Insgesamt	233.2	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	70.0 --	68.7 ---	71.2 --
LG 31479	74.8 -----	72.8 -----	76.7 -----
KWS Inteligens	69.7 -	69.1 ---	70.4 -
P9967	70.4 --	66.8 --	73.9 -----
P9944	69.2 -	65.4 -	72.9 ----
Glatt	74.1 -----	74.6 -----	73.5 ----
KXC4201	75.4 -----	76.6 -----	74.3 -----
KXC4356	77.2 -----	79.5 -----	74.8 -----
P02085	70.3 --	66.6 -	73.9 ----
SY Evident	72.3 ----	67.7 --	76.9 -----
P9610	70.0 --	66.1 -	73.9 ----
SU Crumber	72.9 ----	72.9 -----	72.8 ----
-Bezugsgrösse(n)	70.2 --	67.7 --	72.6 ----
Versuchs-Mittel	72.2 ----	70.6 ----	73.8 -----
VK [%]	4.9	3.9	5.6
KGD (5%)	4.1	4.8	ns
KGD (1%)	5.5	6.5	ns
Versuchs-Streuung	3.5	2.8	4.1
FG Fehlerterm	39.0	19.0	20.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	470.1	11	3.41 **	2.04	0.0022
Anbauorte	184.3	1	14.73 ***	4.09	0.0005
WW Verf.*Anb.Orte	353.0	11	2.56 *	2.04	0.0150
Fehler	488.1	39			
Insgesamt	1495.4	62			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	7.0 ----	7.1 -----	6.9 -
LG 31479	7.2 -----	7.1 -----	7.3 -----
KWS Inteligens	7.0 ----	7.0 ----	7.0 ----
P9967	7.2 -----	7.2 -----	7.2 -----
P9944	7.1 -----	7.2 -----	7.0 ----
Glatt	6.8 -	6.8 -	6.9 -
KXC4201	7.1 -----	7.1 -----	7.2 -----
KXC4356	7.1 -----	7.2 -----	7.1 ----
P02085	7.0 ----	7.0 ----	7.0 ----
SY Evident	7.1 -----	7.0 -----	7.1 -----
P9610	7.1 -----	7.0 -----	7.1 -----
SU Crumber	7.3 -----	7.3 -----	7.3 -----
-Bezugsgrösse(n)	7.1 -----	7.1 -----	7.0 ----
Versuchs-Mittel	7.1 -----	7.1 -----	7.1 -----
VK [%]	2.5	2.4	2.6
KGD (5%)	0.2	ns	ns
KGD (1%)	0.3	ns	ns
Versuchs-Streuung	0.2	0.2	0.2
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	0.9	11	2.71 **	2.02	0.0096
Anbauorte	0.0	1	0.07 ns	4.06	0.7962
WW Verf.*Anb.Orte	0.2	11	0.72 ns	2.02	0.7131
Fehler	1.4	43			
Insgesamt	2.5	66			

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH
P9911	7.4 ----	7.5 -----	7.2 -
LG 31479	7.6 -----	7.5 -----	7.8 -----
KWS Inteligens	7.3 ----	7.3 ----	7.4 ----
P9967	7.6 -----	7.6 -----	7.6 -----
P9944	7.5 -----	7.6 -----	7.4 ----
Glatt	7.1 -	7.1 -	7.2 -
KXC4201	7.5 -----	7.5 -----	7.6 -----
KXC4356	7.5 -----	7.6 -----	7.4 ----
P02085	7.4 ----	7.4 ----	7.4 ----
SY Evident	7.5 -----	7.4 -----	7.6 -----
P9610	7.4 -----	7.4 -----	7.5 -----
SU Crumber	7.7 -----	7.7 -----	7.7 -----
-Bezugsgrösse(n)	7.5 -----	7.5 -----	7.4 ----
Versuchs-Mittel	7.5 -----	7.5 -----	7.5 -----
VK [%]	3.1	3.0	3.3
KGD (5%)	0.3	ns	ns
KGD (1%)	0.4	ns	ns
Versuchs-Streuung	0.2	0.2	0.2
FG Fehlerterm	43.0	21.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1.6	11	2.70 **	2.02	0.0098
Anbauorte	0.0	1	0.08 ns	4.06	0.7786
WW Verf.*Anb.Orte	0.4	11	0.72 ns	2.02	0.7152
Fehler	2.4	43			
Insgesamt	4.4	66			



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