



Resultate der Hauptversuche Körnermais 2025

Résultats des essais variétaux de maïs grain 2025

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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 acides gras mono ou polyinsaturés des grains permet de regrouper les variétés en fonction de leur aptitude à l'utilisation (variétés se prêtant à l'engraissement des porcs ou pour l'alimentation des bovins ou de la volaille).*
- *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 grain de l'année en cours.*
- *Les résultats moyens sur deux ans sont présentés dans le rapport « Résultats des essais variétaux de maïs grain 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 ein- und mehrfach ungesättigten Fettsäuren in den Körnern erlaubt es, Sorten gemäss ihrer Verwendungseignung zu gruppieren (Sorteneignung für die Schweinemast, die Rindvieh- oder Geflügelfütterung).
- 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 Körnermais des aktuellen Jahres.
- Die über zwei Jahre gemittelten Ergebnisse sind im Bericht «Resultate der Hauptversuche Körnermais 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. Prüffahr Liste empfohlener Sorten / <i>nouvelle variété 1^{ère}, 2^{ème} ou 3^{ème} année pour liste recommandée</i>
KM31	Körnermais spät / <i>maïs grain tardif</i>	SM31	Silomais spät / <i>maïs ensilage tardif</i>		
KM41	Körnermais mittelfrüh Tessin / <i>maïs grain mi-précoce Tessin</i>	SM41	Silomais mittelfrüh Tessin / <i>maïs ensilage mi- précoce Tessin</i>	1. / 2. / 3.	Neue Sorte 1., 2. bzw. 3. Prüffahr Nationaler Sortenkatalog / <i>nouvelle variété 1^{ère}, 2^{ème} ou 3^{ème} année pour catalogue national</i>
KM42	Körnermais mittelspät – spät Tessin / <i>maïs grain mi-tardif – tardif Tessin</i>	SM42	Silomais mittelspät – spät Tessin / <i>maïs ensilage mi-tardif – tardif Tessin</i>		

Danksagung

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

Remerciements

Les résultats présentés ici 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 ainsi que les nombreux assistants pour leur précieux soutien et leur agréable collaboration.

1 Merkmale / Critères

Rendement / Ertrag

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

Précocité / Frühreife

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

Vigueur au départ / Jugendentwicklung

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

Verse en végétation / Wurzellagerung während der Vegetation

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

Verse à la récolte / Wurzellagerung zum Zeitpunkt der Ernte

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

Plantes cassées à la récolte / Stängelbruch bei Ernte

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

Aptitude au battage / Druscheignung

- Note d'aptitude au battage
- Note für Druscheignung

Charbon / Beulenbrand

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

Fusariose / Stängelfäule

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

Hauteur / Pflanzenhöhe

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

Hauteur relative de l'épi / Relative Ansatzhöhe des Hauptkolbens

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

Floraison / Blühbeginn

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

Pyrale / Maiszünsler

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

Densité / Bestandesdichte

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

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

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

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

Rendement / Ertrag :

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

Précocité / Reife :

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

Vigueur au départ / Jugendentwicklung :

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

Verse en végétation / Lagerung während Vegetation :

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

Verse à la récolte / Lagerung bei Ernte :

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

Plantes cassées à la récolte / Stängelbruch bei Ernte :

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

Charbon / Beulenbrand :

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

Fusariose / Stängelfäule :

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

Indice global / Gesamtindex :

- Somme de tous les indices partiels
- Summe aller Teilindizes

3 Meteorologische Daten / *Données météorologiques*

Frühling / *Printemps*

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*

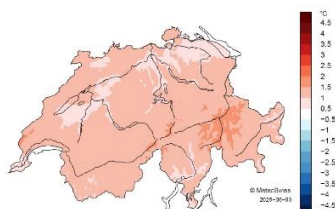


Abb 1: Räumliche Verteilung der Temperatur im Frühling 2025 (März bis Mai), dargestellt in % der Referenz 1991-2020.

Niederschlag / *précipitations*

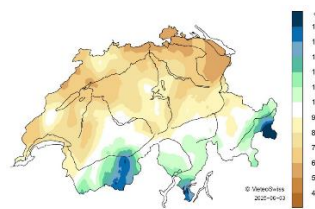


Abb 2: Räumliche Verteilung der Niederschlagssumme im Frühling 2025 (März bis Mai) dargestellt in % der Referenz 1991-2020.

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*

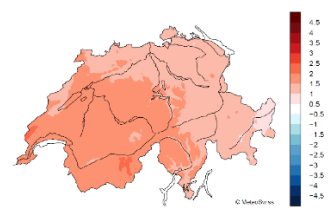


Abb 3: Räumliche Verteilung der Temperatur im Sommer 2025 (Juni bis August), dargestellt in % der Referenz 1991-2020.

Niederschlag / *précipitations*

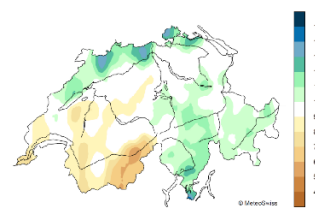


Abb 4: Räumliche Verteilung der Niederschlagssumme im Sommer 2025 (Juni bis August) dargestellt in % der Referenz 1991-2020.

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*

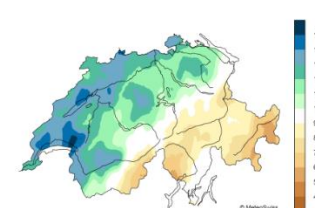


Abb 6: Räumliche Verteilung der Niederschlagssummen im Herbst 2025 (September bis November), dargestellt in % der Referenz 1991-2020..

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	430	28.04.2025	16.10.2025
1725	Grangeneuve	654	02.05.2025	17.10.2025
3065	Habstetten	680	15.05.2025	13.11.2025
8046	Reckenholz	440	28.04.2025	05.11.2025
8194	Hüntwangen	384	30.04.2025	07.11.2025
8566	Ellighausen	503	13.05.2025	31.10.2025

4.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P8754	X85P703	SC	Pioneer	Pioneer, Versoix	KM01/S	
KWS Glasgo	KXC0111	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	SM01/S
P7818	X80R591	SC	Pioneer	Pioneer, Versoix	KM01/S	
KWS Adorado	KXC0018	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	SM11/S
P7737	1077B009-01	SC	Pioneer	Pioneer, Versoix	KM01/S	
P82000	1081D769-01	SC	Pioneer	Pioneer, Versoix	KM01/e2	SM11/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
Rafting	SB1212	SC	DSV, D	?	KM01/e1	SM01/e1
KWS Chiasso	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	

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

Technische Versuchsausgaben / données techniques / technical information						
Standort / lieu / site:	Nyon (408 m ü.M.)	Grangeneuve (654 m ü.M.)	Habstetten (620 m ü.M.)	Reckenholz (384 m ü.M.)	Hüntwangen (384 m ü.M.)	Ellighausen (503 m ü.M.)
Bodenart / type de sol / soil type:	Limono sableux	Moyen	Sandiger Lehm pH 6,4	Parabraunerde	Braunerde, tiefgründig, sandiger 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):	402,6 mm (Meteostation Changins) 2083,8 °C (Meteostation Changins) Irrigation: 25.06.2025 30 mm 02.07.2025 30 mm 09.07.2025 30 mm	538,1 mm (météo Suisse Posieux) 1726,6 °C (météo Suisse Posieux)	687,4 (KM01, KM11) mm (Meteostation Zäziwil) 1603,1 (KM01, KM11, KM21) °C (Meteostation Zäziwil)	682,7 mm (Meteostation Reckenholz) 1937,35 °C (Meteostation Reckenholz)	691,1 mm (Agroneteo Wil-ZH) 1948,8 °C (Agroneteo Wil-ZH)	592 mm (Agroneteo Ellighausen) 1771,4 °C (Agroneteo Ellighausen)
	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
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:						
Vorfrucht / précédent cultural / previous crop:	blé printemps + engrais vert / Sommerweizen + Gründüngung	Prairie temporaire / Kunstwiese / temporary grassland	orge	Prairie temporaire / Kunstwiese / temporary grassland	Weizen, Gründüngung: UFA Lepha	Raps / Gründüngung: Steffen Terra Green Frigo
Bodenbearbeitung / travail du sol / soil cultivation:	25.03.2025 cultivateur pattes d'oies 25.04.2025 vibroculteur 28.04.2025 herse relative	Labour le 30.04.2025. Préparation pour semis, herse relative 01.05.2025	01.04.2025 et 01.05.2025 Pflug und Kreiselegge / charrue et herse relative / plough and rotary harrow	16.04.25 Pflug, 27.04.25 Kreiselegge	20.03.25 Grubber, 29.04.25 Kreiselegge	03.04.25 Gründüngung Mulchen, 04.04.25 Pflügen, 04.04.25 Walzen gegen Austrocknung Saatbeet
Saat / date de semis / sowing date:	28.04.2025 (jour 118)	02.05.25 (jour 122)	15.05.2025 (jour 135)	28.04.2025	30.04.2025	13.05.2025
Ernte / date de récolte / harvest date:	16.10.2025 (jour 289)	17.10.25 (jour 290)	13.11.2025 (jour 317)	05.11.2025	06.11.2025	31.10.2025
Saatdichte / densité de semis / sowing density:	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2	10,0 Körner / grains pro m2
Vegetationsdauer / durée de végétation / growing period	171 Tage / jours / days	168 Tage / jours / days	182 Tage / jours / days	191 Tage / jours / days	190 Tage / jours / days	171 Tage / jours / days
Reihenabstand / interlignes / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	11.06.25 Hacken kombiniert mit Düngerausbringung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	27.05.2025 : Equip power 1,25 l/ha 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	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 + 3l/ha Dash	27.05.25: 2.1l/ha Laudis + 0.2 l/ha Banvel4S + 1.4 l/ha Spectrum	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:	06.08.2024 37 m3 Liser bovins 5-10-20 : 18,5 kg N 37 kg P2O5 74 kg K2O	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 : Granuphos 18 %: 300 kg /ha = 54 kg P/ha, Kali 60 %: 200 kg/ha = 120 kg K/ha	14.04.25: 45l/ha Stapelmist (40,5 / 58,5 / 229,5 kg N/P/K/ha) + 40m3 Voligule 1:1 verdünnt (80 / 14,8 / 124 kg N/P/K/ha)	22.04.25: 35m3/ha Biogasgülle (115 / 35 / 74kg N/P/K/ha)	04.04.25: 38m3/ha Rindergülle (38 / 38 / 140,6 / 11,4kg N/P/K/ha) + 7l/ha Stappelmist (6,3 / 16,8 / 54,6 / 4,2 N/P/K/ha)
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 110 kg/ha Ammonitrate 27,5,0,0 : 60 N 28-05-2025 46,0,0 : 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	20.05.25: 210kg/ha Mg-Ammonsalpeter 24%-S (50kg N/ha), 11.06.25: 130kg/ha Harnstoff 46% (60kg N/ha)	29.04.25: 200kg Harnstoff 46% (92kg 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 mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-
Ernte / Récolte / harvest:	Baural Mähdrösch / moissonneuse-batteuse / direct combine harvesting			Wintersteiger Delta Mähdrösch / moissonneuse-batteuse / direct combine harvesting		

4.1.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager Vegetation	Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
SB0934	e1	1.68	-0.65	0.46		-0.14	-0.17	-0.06	-0.05	1.07
P8754	S	1.90	-1.55	-0.21		0.23	0.03	-0.07	0.00	0.33
P7737	S	-1.90	1.55	0.21		-0.23	-0.03	0.07	0.00	-0.33
KXC4167	e1	-1.20	-0.76	0.29		0.13	-0.05	-0.20	0.00	-1.79
P7818	S	-4.33	2.02	-0.18		0.51	0.03	0.10	-0.09	-1.94
KWS Glasgo	S	-5.69	1.35	0.21		0.25	0.04	0.05	-0.04	-3.83
KWS Chiasso	T	-4.63	-0.45	0.21		0.57	-0.18	-0.14	-0.02	-4.63
KWS Adorado	S	-4.55	-0.09	0.29		-0.11	-0.17	0.00	-0.04	-4.67
KXC4101	e1	-2.63	0.01	0.52		-1.98	-0.23	-0.04	-0.38	-4.73
(Symetric)	e1	-3.42	-2.08	0.18		0.43	0.10	-0.17	0.00	-4.96
P82000	e2	-2.29	-1.93	0.04		-0.68	0.03	0.04	-0.47	-5.26
Rafting	e1	-6.11	1.81	0.21		-1.87	0.04	-0.02	-0.04	-5.98
Bezugsgrößen		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		18	18	18		6	3	18	6	
Anzahl Orte		6	6	6		2	1	6	2	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

4.1.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %	Stängel fäule %
P8754	4.4	74.5	74.3	234.7	118.7	50.5	1.9	0.6	0.0
KWS Glasgo	3.6	71.7	70.6	243.3	117.7	48.5	1.8	0.5	0.5
P7818	4.4	74.4	74.3	234.3	121.0	51.6	0.8	0.6	1.1
KWS Adorado	3.4	71.3	70.1	246.0	115.7	47.0	3.3	2.2	0.5
P7737	3.6	71.1	70.5	225.7	114.0	50.5	3.7	1.1	0.0
P82000	3.9	73.7	73.7	248.3	117.7	47.4	5.6	0.6	5.6
KXC4101	3.0	72.3	71.5	257.3	125.3	48.7	10.8	2.7	4.5
KXC4167	3.4	70.1	70.3	251.7	120.7	47.9	2.3	1.2	0.0
SB0934	3.1	70.7	69.7	251.0	118.0	46.9	3.4	2.2	0.5
(Symetric)	3.7	71.5	71.6	253.0	121.0	47.9	1.1	0.0	0.0
Rafting	3.6	74.2	72.3	236.3	105.3	44.6	10.3	0.5	0.5
KWS Chiasso	3.6	70.7	70.0	240.0	115.0	48.0	0.5	2.2	0.3
Bezugsgrösse(n)	4.0	72.8	72.4	230.2	116.3	50.5	2.8	0.8	0.0
Versuchs-Mittel	3.7	72.2	71.6	243.5	117.5	48.3	3.8	1.2	1.1
VK [%]	14.3	1.7	1.7	3.2	6.9	6.2	136.9	125.7	282.1
KGD (5%)	0.3	0.9	0.9	5.7	5.9	2.2	6.1		3.7
KGD (1%)	0.5	1.2	1.2	7.5	7.8	2.9			
Versuchs-Streuung	0.5	1.2	1.2	7.8	8.1	3.0	5.2	1.5	3.2
FG Fehlerterm	120.0	100.0	102.0	100.0	104.0	102.0	40.0	22.0	44.0
Anz. Beob.	18.0	15.0	15.0	15.0	15.0	15.0	6.0	3.0	6.0
Anz. Orte	6.0	5.0	5.0	5.0	5.0	5.0	2.0	1.0	2.0
Minimum	3.0	70.1	69.7	225.7	105.3	44.6	0.5	0.0	0.0
Maximum	4.4	74.5	74.3	257.3	125.3	51.6	10.8	2.7	5.6

Sorten Bezeich- nung	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Kolben- fusarien Note	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
P8754	2.4	1.2	1.3	8.8	166.7	101.8	76.2
KWS Glasgo	3.7	0.7	1.2	9.1	154.3	94.6	77.4
P7818	3.6	0.5	1.3	9.3	156.6	95.7	77.6
KWS Adorado	3.6	1.0	1.2	9.2	156.2	95.7	76.8
P7737	3.9	0.7	1.2	8.8	160.5	98.2	77.4
P82000	3.2	0.8	1.5	8.9	159.9	97.8	76.1
KXC4101	3.2	1.1	1.1	9.1	159.3	97.7	76.8
KXC4167	3.1	1.7	1.3	8.8	161.7	99.1	76.5
SB0934	3.4	1.2	1.0	9.0	166.4	102.0	76.6
(Symetric)	2.4	1.7	1.2	9.4	158.0	96.9	76.0
Rafting	4.1	1.1	1.7	9.1	153.6	93.8	77.6
KWS Chiasso	2.6	1.5	1.3	9.1	156.1	95.8	76.7
Bezugsgrösse(n)	3.2	1.0	1.3	8.8	163.6	100.0	76.8
Versuchs-Mittel	3.3	1.1	1.3	9.0	159.1	97.4	76.8
VK [%]	19.1	120.8	22.3	4.1	4.9	5.0	0.9
KGD (5%)	0.6		0.3	0.2	5.2	3.2	0.4
KGD (1%)	0.8			0.3	6.9	4.2	0.6
Versuchs-Streuung	0.6	1.3	0.3	0.4	7.9	4.9	0.7
FG Fehlerterm	64.0	120.0	40.0	122.0	121.0	121.0	123.0
Anz. Beob.	9.0	18.0	6.0	18.0	18.0	18.0	18.0
Anz. Orte	3.0	6.0	2.0	6.0	6.0	6.0	6.0
Minimum	2.4	0.5	1.0	8.8	153.6	93.8	76.0
Maximum	4.1	1.7	1.7	9.4	166.7	102.0	77.6

4.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	4.4 -----	4.3 -----	6.0 -----	5.0 -----	3.7 -----
KWS Glasgo	3.6 ----	4.3 -----	5.3 -----	4.3 -----	2.3 ----
P7818	4.4 -----	5.0 -----	5.7 -----	5.0 -----	3.7 -----
KWS Adorado	3.4 ----	4.0 -----	5.3 -----	4.0 ---	2.3 ----
P7737	3.6 ----	4.0 -----	5.3 -----	4.3 -----	2.3 ----
P82000	3.9 -----	4.3 -----	6.0 -----	4.3 -----	3.0 -----
KXC4101	3.0 -	3.3 -	4.7 -	3.7 -	1.7 -
KXC4167	3.4 ----	4.3 -----	5.0 ---	4.0 ---	2.0 --
SB0934	3.1 -	3.3 -	4.7 -	3.7 -	2.0 --
(Symetric)	3.7 -----	4.0 -----	5.0 ---	4.3 -----	3.0 -----
Rafting	3.6 -----	4.0 -----	5.0 ---	4.3 -----	2.7 -----
KWS Chiasso	3.6 -----	4.0 -----	5.3 -----	4.3 -----	2.3 ----
-Bezugsgrösse(n)	4.0 -----	4.2 -----	5.7 -----	4.7 -----	3.0 -----
Versuchs-Mittel	3.7 ----	4.1 ----	5.3 ----	4.3 ----	2.6 ----
VK [%]	14.3	10.0	10.7	10.5	22.3
KGD (5%)	0.3	0.7	ns	0.8	1.0
KGD (1%)	0.5	0.9	ns	ns	1.3
Versuchs-Streuung	0.5	0.4	0.6	0.5	0.6
FG Fehlerterm	120.0	20.0	20.0	20.0	20.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	37.2	11	12.34 ***	1.87	0.0000
Anbauorte	274.1	5	200.01 ***	2.29	0.0000
WW Verf.*Anb.Orte	10.7	55	0.71 ns	1.44	0.9232
Fehler	32.9	120			
Insgesamt	354.9	191			

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	2.7 -----	5.0 -----
KWS Glasgo	1.7 ---	3.7 ----
P7818	2.7 -----	4.3 -----
KWS Adorado	1.7 ---	3.3 --
P7737	1.7 ---	4.0 -----
P82000	1.7 ---	4.3 -----
KXC4101	1.3 -	3.3 --
KXC4167	1.7 ---	3.7 ----
SB0934	2.0 -----	3.0 -
(Symetric)	1.7 ---	4.0 -----
Rafting	1.7 ---	4.0 -----
KWS Chiasso	2.0 -----	3.7 ----
-Bezugsgrösse(n)	2.2 -----	4.5 -----
Versuchs-Mittel	1.9 ----	3.9 ----
VK [%]	31.9	13.4
KGD (5%)	ns	0.9
KGD (1%)	ns	ns
Versuchs-Streuung	0.6	0.5
FG Fehlerterm	20.0	20.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	74.5 -----	69.7 -----	76.7 -----	74.0 -----	76.0 -----
KWS Glasgo	71.7 ---	70.3 -----	74.0 -	71.7 ----	70.0 -
P7818	74.4 -----	71.7 -----	76.3 -----	73.3 -----	75.0 -----
KWS Adorado	71.3 ---	69.7 -----	74.7 ---	71.0 ---	70.0 -
P7737	71.1 ---	68.7 ----	74.3 --	70.0 -	72.0 ----
P82000	73.7 -----	71.0 -----	75.0 ----	73.7 -----	75.0 -----
KXC4101	72.3 -----	69.7 -----	74.3 --	72.7 -----	71.7 ---
KXC4167	70.1 -	67.3 -	74.0 -	70.0 -	70.0 -
SB0934	70.7 --	67.7 -	74.3 --	69.7 -	70.7 --
(Symetric)	71.5 ----	69.7 -----	74.7 ---	72.0 ----	70.0 -
Rafting	74.2 -----	70.3 -----	75.3 -----	74.7 -----	75.7 -----
KWS Chiasso	70.7 --	68.3 ---	74.0 -	70.7 ---	70.7 --
-Bezugsgrösse(n)	72.8 -----	69.2 -----	75.5 -----	72.0 -----	74.0 -----
Versuchs-Mittel	72.2 -----	69.5 -----	74.8 -----	71.9 -----	72.2 -----
VK [%]	1.7	2.3	0.9	1.3	1.7
KGD (5%)	0.9	ns	1.1	1.5	2.1
KGD (1%)	1.2	ns	1.5	2.1	2.9
Versuchs-Streuung	1.2	1.6	0.7	0.9	1.2
FG Fehlerterm	100.0	20.0	20.0	20.0	20.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	412.9	11	25.71 ***	1.89	0.0000
Anbauorte	512.4	4	87.75 ***	2.46	0.0000
WW Verf.*Anb.Orte	130.2	44	2.03 **	1.50	0.0019
Fehler	146.0	100			
Insgesamt	1201.5	159			

Verfahren 8566
Ellighausen TG

P8754	76.0 -----
KWS Glasgo	72.3 -----
P7818	75.7 -----
KWS Adorado	71.3 ----
P7737	70.7 ---
P82000	74.0 -----
KXC4101	73.0 -----
KXC4167	69.3 -
SB0934	71.3 ----
(Symetric)	71.3 ----
Rafting	75.0 -----
KWS Chiasso	70.0 --
-Bezugsgrösse(n)	73.3 -----
Versuchs-Mittel	72.5 -----
VK [%]	1.9
KGD (5%)	2.4
KGD (1%)	3.3
Versuchs-Streuung	1.4
FG Fehlerterm	20.0
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
P8754	74.3 -----	71.3 -----	74.7 -----	71.7 -----	77.0 -----
KWS Glasgo	70.6 ---	68.3 ----	72.0 -	69.7 ----	70.0 -
P7818	74.3 -----	71.3 -----	74.3 -----	71.3 -----	77.0 -----
KWS Adorado	70.1 --	67.7 ----	72.3 --	69.0 ---	70.0 -
P7737	70.5 --	67.0 --	72.7 ---	68.0 -	73.0 ----
P82000	73.7 -----	69.0 -----	73.3 -----	72.7 -----	76.7 -----
KXC4101	71.5 ----	68.0 ----	72.7 ---	70.7 -----	72.3 ----
KXC4167	70.3 --	66.0 -	72.7 ---	68.0 -	73.3 ----
SB0934	69.7 -	66.0 -	72.0 -	67.7 -	70.7 --
(Symetric)	71.6 ----	68.3 ----	73.0 ----	70.3 ----	72.7 ----
Rafting	72.3 -----	69.0 -----	72.7 ---	72.7 -----	72.7 ----
KWS Chiasso	70.0 -	66.3 -	72.0 -	68.7 ---	72.0 ---
-Bezugsgrösse(n)	72.4 -----	69.2 -----	73.7 -----	69.8 -----	75.0 -----
Versuchs-Mittel	71.6 -----	68.2 -----	72.9 ----	70.0 -----	73.1 -----
VK [%]	1.7	2.4	0.7	1.0	1.9
KGD (5%)	0.9	2.8	0.9	1.2	2.4
KGD (1%)	1.2	3.8	1.2	1.7	3.3
Versuchs-Streuung	1.2	1.6	0.5	0.7	1.4
FG Fehlerterm	102.0	22.0	20.0	20.0	20.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	477.0	11	29.59 ***	1.89	0.0000
Anbauorte	795.4	4	135.67 ***	2.46	0.0000
WW Verf.*Anb.Orte	147.8	44	2.29 ***	1.50	0.0007
Fehler	149.5	102			
Insgesamt	1569.7	161			

Verfahren	8566 Ellighausen TG
P8754	77.0 -----
KWS Glasgo	73.0 ----
P7818	77.3 -----
KWS Adorado	71.7 --
P7737	71.7 --
P82000	76.7 -----
KXC4101	74.0 ----
KXC4167	71.3 -
SB0934	72.0 --
(Symetric)	73.7 ----
Rafting	74.3 -----
KWS Chiasso	71.0 -
-Bezugsgrösse(n)	74.3 -----
Versuchs-Mittel	73.6 -----
VK [%]	1.8
KGD (5%)	2.3
KGD (1%)	3.1
Versuchs-Streuung	1.3
FG Fehlerterm	20.0
Anz. Beob.	3.0

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	234.7 ---	258.3 -----	226.7 -----	220.0 -	233.3 -----
KWS Glasgo	243.3 -----	265.0 -----	220.0 ----	248.3 -----	230.0 ----
P7818	234.3 ---	250.0 --	225.0 -----	230.0 ----	228.3 ----
KWS Adorado	246.0 -----	265.0 -----	233.3 -----	250.0 -----	235.0 -----
P7737	225.7 -	245.0 -	220.0 ----	216.7 -	216.7 -
P82000	248.3 -----	271.7 -----	236.7 -----	233.3 ----	245.0 -----
KXC4101	257.3 -----	275.0 -----	236.7 -----	256.7 -----	251.7 -----
KXC4167	251.7 -----	263.3 -----	230.0 -----	255.0 -----	250.0 -----
SB0934	251.0 -----	276.7 -----	223.3 ----	248.3 -----	245.0 -----
(Symetric)	253.0 -----	263.3 -----	238.3 -----	243.3 -----	245.0 -----
Rafting	236.3 ----	253.3 ---	210.0 -	243.3 -----	220.0 --
KWS Chiasso	240.0 ----	253.3 ---	225.0 -----	233.3 ----	231.7 -----
-Bezugsgrösse(n)	230.2 --	251.7 ---	223.3 -----	218.3 -	225.0 ---
Versuchs-Mittel	243.5 -----	261.7 -----	227.1 -----	239.9 -----	236.0 -----
VK [%]	3.2	3.0	3.6	3.6	3.4
KGD (5%)	5.7	13.4	13.8	14.6	13.6
KGD (1%)	7.5	18.2	ns	19.9	18.5
Versuchs-Streuung	7.8	7.9	8.1	8.6	8.0
FG Fehlerterm	100.0	20.0	20.0	20.0	20.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14668.2	11	21.65 ***	1.89	0.0000
Anbauorte	27198.6	4	110.41 ***	2.46	0.0000
WW Verf.*Anb.Orte	6704.7	44	2.47 ***	1.50	0.0005
Fehler	6158.3	100			
Insgesamt	54729.9	159			

**Verfahren 8566
Ellighausen TG**

P8754	235.0 --
KWS Glasgo	253.3 -----
P7818	238.3 --
KWS Adorado	246.7 ----
P7737	230.0 -
P82000	255.0 -----
KXC4101	266.7 -----
KXC4167	260.0 -----
SB0934	261.7 -----
(Symetric)	275.0 -----
Rafting	255.0 -----
KWS Chiasso	256.7 -----
-Bezugsgrösse(n)	232.5 -
Versuchs-Mittel	252.8 -----
VK [%]	2.6
KGD (5%)	11.3
KGD (1%)	15.3
Versuchs-Streuung	6.6
FG Fehlerterm	20.0
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
P8754	118.7 -----	145.0 -----	110.0 -----	120.0 -----	105.0 -
KWS Glasgo	117.7 -----	131.7 ---	105.0 -----	115.0 -----	126.7 -----
P7818	121.0 -----	133.3 ---	116.7 -----	116.7 -----	120.0 -----
KWS Adorado	115.7 -----	131.7 ---	105.0 -----	115.0 -----	115.0 ---
P7737	114.0 -----	130.0 ---	115.0 -----	105.0 ---	111.7 ---
P82000	117.7 -----	135.0 -----	111.7 -----	110.0 ---	125.0 -----
KXC4101	125.3 -----	136.7 -----	103.3 -----	126.7 -----	135.0 -----
KXC4167	120.7 -----	135.0 -----	101.7 ---	126.7 -----	120.0 -----
SB0934	118.0 -----	131.7 ---	101.7 ---	113.3 -----	121.7 -----
(Symetric)	121.0 -----	128.3 --	115.0 -----	120.0 -----	115.0 ---
Rafting	105.3 -	125.0 -	90.0 -	95.0 -	105.0 -
KWS Chiasso	115.0 -----	135.0 -----	105.0 -----	111.7 -----	111.7 ---
-Bezugsgrösse(n)	116.3 -----	137.5 -----	112.5 -----	112.5 -----	108.3 --
Versuchs-Mittel	117.5 -----	133.2 -----	106.7 -----	114.6 -----	117.6 -----
VK [%]	6.9	4.3	7.1	7.6	8.0
KGD (5%)	5.9	ns	12.9	14.8	16.0
KGD (1%)	7.8	ns	ns	ns	ns
Versuchs-Streuung	8.1	5.7	7.6	8.7	9.4
FG Fehlerterm	104.0	20.0	22.0	22.0	20.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4011.7	11	5.54 ***	1.88	0.0000
Anbauorte	13555.6	4	51.49 ***	2.46	0.0000
WW Verf.*Anb.Orte	5324.4	44	1.84 **	1.49	0.0061
Fehler	6844.4	104			
Insgesamt	29736.1	163			

Verfahren	8566 Ellighausen TG
P8754	113.3 ---
KWS Glasgo	110.0 --
P7818	118.3 -----
KWS Adorado	111.7 ---
P7737	108.3 -
P82000	106.7 -
KXC4101	125.0 -----
KXC4167	120.0 -----
SB0934	121.7 -----
(Symetric)	126.7 -----
Rafting	111.7 ---
KWS Chiasso	111.7 ---
-Bezugsgrösse(n)	110.8 ---
Versuchs-Mittel	115.4 -----
VK [%]	7.5
KGD (5%)	ns
KGD (1%)	ns
Versuchs-Streuung	8.6
FG Fehlerterm	20.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	50.5 -----	56.1 -----	48.6 -----	54.5 -----	44.9 -
KWS Glasgo	48.5 -----	49.7 ---	47.7 -----	46.3 -----	55.1 -----
P7818	51.6 -----	53.4 -----	51.8 -----	50.7 -----	52.5 -----
KWS Adorado	47.0 ----	49.7 ---	44.9 ---	45.9 -----	48.9 -----
P7737	50.5 -----	53.0 -----	52.3 -----	48.4 -----	51.4 -----
P82000	47.4 -----	49.7 ---	47.2 -----	47.0 -----	51.0 -----
KXC4101	48.7 -----	49.7 ---	43.7 -	49.3 -----	53.7 -----
KXC4167	47.9 -----	51.3 -----	44.3 --	49.7 -----	48.0 ---
SB0934	46.9 ---	47.5 -	45.5 ---	45.6 -----	49.6 -----
(Symetric)	47.9 -----	48.8 --	48.3 -----	49.5 -----	46.9 --
Rafting	44.6 -	49.4 ---	42.9 -	39.0 -	47.7 ---
KWS Chiasso	48.0 -----	53.3 -----	46.7 -----	48.4 -----	48.1 -----
-Bezugsgrösse(n)	50.5 -----	54.6 -----	50.4 -----	51.5 -----	48.2 ----
Versuchs-Mittel	48.3 -----	51.0 -----	47.0 -----	47.9 -----	49.8 -----
VK [%]	6.2	4.4	5.6	7.1	6.6
KGD (5%)	2.2	3.8	4.5	5.8	5.6
KGD (1%)	2.9	5.2	6.1	7.9	ns
Versuchs-Streuung	3.0	2.2	2.6	3.4	3.3
FG Fehlerterm	102.0	20.0	20.0	20.0	20.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	594.2	11	6.01 ***	1.89	0.0000
Anbauorte	652.2	4	18.14 ***	2.46	0.0000
WW Verf.*Anb.Orte	818.6	44	2.07 **	1.50	0.0014
Fehler	916.8	102			
Insgesamt	2981.8	161			

Verfahren	8566 Ellighausen TG
P8754	48.3 -----
KWS Glasgo	43.5 ---
P7818	49.6 -----
KWS Adorado	45.4 -----
P7737	47.1 -----
P82000	41.8 -
KXC4101	46.9 -----
KXC4167	46.1 -----
SB0934	46.5 -----
(Symetric)	46.1 -----
Rafting	43.8 ---
KWS Chiasso	43.4 ---
-Bezugsgrösse(n)	47.7 -----
Versuchs-Mittel	45.7 -----
VK [%]	7.1
KGD (5%)	ns
KGD (1%)	ns
Versuchs-Streuung	3.2
FG Fehlerterm	22.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	8046 Reckenholz ZH	8566 Ellighausen TG
P8754	1.9 --	2.6 --	1.2 --
KWS Glasgo	1.8 --	3.7 ---	0.0 -
P7818	0.8 -	0.6 -	1.1 -
KWS Adorado	3.3 ---	5.5 ----	1.1 -
P7737	3.7 ----	7.5 ----	0.0 -
P82000	5.6 -----	9.4 -----	1.7 --
KXC4101	10.8 -----	15.6 -----	5.9 ----
KXC4167	2.3 --	4.6 ---	0.0 -
SB0934	3.4 ---	5.1 ----	1.7 --
(Symetric)	1.1 -	1.7 -	0.5 -
Rafting	10.3 -----	7.3 ----	13.3 -----
KWS Chiasso	0.5 -	1.1 -	0.0 -
-Bezugsgrösse(n)	2.8 ---	5.1 ----	0.6 -
Versuchs-Mittel	3.8 ----	5.4 ----	2.2 --
VK [%]	136.9	116.1	175.2
KGD (5%)	6.1	ns	6.6
KGD (1%)	ns	ns	ns
Versuchs-Streuung	5.2	6.3	3.9
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	783.3	11	2.63 *	2.04	0.0126
Anbauorte	183.2	1	6.76 *	4.08	0.0130
WW Verf.*Anb.Orte	294.7	11	0.99 ns	2.04	0.4732
Fehler	1084.6	40			
Insgesamt	2345.8	63			

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

Verfahren	Seriemittel	8046 Reckenholz ZH
P8754	0.6 ---	0.6 ---
KWS Glasgo	0.5 ---	0.5 ---
P7818	0.6 ---	0.6 ---
KWS Adorado	2.2 -----	2.2 -----
P7737	1.1 ----	1.1 ----
P82000	0.6 ---	0.6 ---
KXC4101	2.7 -----	2.7 -----
KXC4167	1.2 ----	1.2 ----
SB0934	2.2 -----	2.2 -----
(Symetric)	0.0 -	0.0 -
Rafting	0.5 ---	0.5 ---
KWS Chiasso	2.2 -----	2.2 -----
-Bezugsgrösse(n)	0.8 ----	0.8 ----
Versuchs-Mittel	1.2 ----	1.2 ----
VK [%]	125.7	125.7
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.5	1.5
FG Fehlerterm	22.0	22.0
Anz. Beob.	3.0	3.0

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8046 Reckenholz ZH	8566 Ellighausen TG
P8754	0.0 -	0.0 -	0.0 -
KWS Glasgo	0.5 --	1.0 ---	0.0 -
P7818	1.1 ---	0.0 -	2.2 ---
KWS Adorado	0.5 --	1.0 ---	0.0 -
P7737	0.0 -	0.0 -	0.0 -
P82000	5.6 -----	0.0 -	11.3 -----
KXC4101	4.5 -----	5.3 -----	3.7 ----
KXC4167	0.0 -	0.0 -	0.0 -
SB0934	0.5 --	1.1 ---	0.0 -
(Symetric)	0.0 -	0.0 -	0.0 -
Rafting	0.5 --	0.0 -	1.1 --
KWS Chiasso	0.3 -	0.5 --	0.0 -
-Bezugsgrösse(n)	0.0 -	0.0 -	0.0 -
Versuchs-Mittel	1.1 ---	0.8 --	1.5 --
VK [%]	282.1	319.5	252.8
KGD (5%)	3.7	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	3.2	2.4	3.8
FG Fehlerterm	44.0	22.0	22.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	234.3	11	2.08 *	2.01	0.0425
Anbauorte	10.5	1	1.03 ns	4.06	0.3155
WW Verf.*Anb.Orte	197.9	11	1.76 ns	2.01	0.0918
Fehler	450.2	44			
Insgesamt	892.9	67			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten
P8754	2.4 -	2.3 --	2.0 -	3.0 ----
KWS Glasgo	3.7 -----	3.7 -----	4.3 -----	3.0 ----
P7818	3.6 -----	2.0 -	3.3 -----	5.3 -----
KWS Adorado	3.6 -----	2.7 ----	4.3 -----	3.7 -----
P7737	3.9 -----	3.3 -----	3.3 -----	5.0 -----
P82000	3.2 ----	2.3 --	3.0 ----	4.3 -----
KXC4101	3.2 ----	2.3 --	4.7 -----	2.7 --
KXC4167	3.1 ----	3.0 -----	3.3 -----	3.0 ----
SB0934	3.4 -----	3.3 -----	4.3 -----	2.7 --
(Symetric)	2.4 -	2.0 -	2.3 --	3.0 ----
Rafting	4.1 -----	4.0 -----	4.3 -----	4.0 -----
KWS Chiasso	2.6 -	2.3 --	3.3 -----	2.0 -
-Bezugsgrösse(n)	3.2 ----	2.8 ----	2.7 ---	4.0 -----
Versuchs-Mittel	3.3 -----	2.8 ----	3.6 -----	3.5 ----
VK [%]	19.1	21.1	15.8	20.5
KGD (5%)	0.6	1.0	1.0	1.2
KGD (1%)	0.8	1.4	1.3	1.6
Versuchs-Streuung	0.6	0.6	0.6	0.7
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	30.1	11	7.02 ***	1.94	0.0000
Anbauorte	13.1	2	16.84 ***	3.14	0.0000
WW Verf.*Anb.Orte	42.6	22	4.97 ***	1.71	0.0000
Fehler	24.9	64			
Insgesamt	110.8	99			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	1.2 -----	1.8 -----	0.8 --	1.4 ---	1.7 -----
KWS Glasgo	0.7 --	1.0 -	2.8 -----	0.6 --	0.0 -
P7818	0.5 -	1.7 -----	0.7 -	0.4 -	0.0 -
KWS Adorado	1.0 ----	1.9 -----	0.4 -	2.4 ----	0.0 -
P7737	0.7 --	1.0 -	2.0 -----	0.0 -	0.0 -
P82000	0.8 ---	1.4 ----	0.5 -	1.8 ---	0.0 -
KXC4101	1.1 ----	1.1 -	1.9 ----	2.1 ----	0.0 -
KXC4167	1.7 -----	1.1 --	0.8 -	4.6 -----	0.0 -
SB0934	1.2 ----	1.0 -	2.2 -----	1.3 ---	0.0 -
(Symetric)	1.7 -----	1.7 -----	2.1 -----	2.4 ----	0.0 -
Rafting	1.1 ----	1.0 -	4.4 -----	0.4 -	0.0 -
KWS Chiasso	1.5 -----	1.0 -	1.5 ---	6.5 -----	0.0 -
-Bezugsgrösse(n)	1.0 ----	1.4 ----	1.4 ---	0.7 --	0.8 -----
Versuchs-Mittel	1.1 ----	1.3 ----	1.7 ----	2.0 ----	0.1 -
VK [%]	120.8	54.5	129.5	71.8	333.2
KGD (5%)	ns	ns	ns	2.4	0.6
KGD (1%)	ns	ns	ns	3.3	0.8
Versuchs-Streuung	1.3	0.7	2.2	1.4	0.3
FG Fehlerterm	120.0	22.0	20.0	20.0	18.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	29.2	11	1.49 ns	1.87	0.1452
Anbauorte	92.4	5	10.37 ***	2.29	0.0000
WW Verf.*Anb.Orte	192.1	55	1.96 **	1.44	0.0012
Fehler	214.0	120			
Insgesamt	527.7	191			

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	0.5 ----	1.1 ----
KWS Glasgo	0.0 -	0.0 -
P7818	0.0 -	0.5 --
KWS Adorado	1.1 -----	0.0 -
P7737	0.0 -	1.1 ----
P82000	0.5 ----	0.6 --
KXC4101	0.0 -	1.6 ----
KXC4167	0.5 ----	3.5 -----
SB0934	0.5 ----	2.2 -----
(Symetric)	1.7 -----	2.1 -----
Rafting	0.0 -	0.6 --
KWS Chiasso	0.0 -	0.0 -
-Bezugsgrösse(n)	0.3 --	1.1 ----
Versuchs-Mittel	0.4 ---	1.1 ----
VK [%]	232.0	138.9
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.9	1.5
FG Fehlerterm	20.0	20.0
Anz. Beob.	3.0	3.0

Fusariose sur épi [note] / Fusarien auf dem Kolben [Note]

Verfahren	Seriemittel	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	1.3 ----	1.3 ----	1.2 ----
KWS Glasgo	1.2 ----	1.4 ----	1.1 --
P7818	1.3 ----	1.5 -----	1.0 -
KWS Adorado	1.2 ---	1.1 -	1.3 -----
P7737	1.2 ----	1.3 ----	1.1 ---
P82000	1.5 -----	1.7 -----	1.3 -----
KXC4101	1.1 -	1.0 -	1.1 ---
KXC4167	1.3 ----	1.3 ----	1.3 -----
SB0934	1.0 -	1.0 -	1.1 --
(Symetric)	1.2 ---	1.3 ----	1.0 -
Rafting	1.7 -----	2.0 -----	1.5 -----
KWS Chiasso	1.3 ----	1.0 -	1.5 -----
-Bezugsgrösse(n)	1.3 ----	1.3 ----	1.2 ----
Versuchs-Mittel	1.3 ----	1.3 ----	1.2 -----
VK [%]	22.3	24.4	19.4
KGD (5%)	0.3	0.6	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.3	0.3	0.2
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	2.2	11	2.48 *	2.04	0.0177
Anbauorte	0.3	1	3.19 ns	4.08	0.0819
WW Verf.*Anb.Orte	1.6	11	1.82 ns	2.04	0.0832
Fehler	3.2	40			
Insgesamt	7.3	63			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	8.8 --	9.4 --	8.1 -----	9.5 -----	8.6 -
KWS Glasgo	9.1 -----	10.1 -----	7.2 -	10.2 -----	9.2 -----
P7818	9.3 -----	10.0 -----	9.1 -----	9.8 -----	9.0 -----
KWS Adorado	9.2 -----	10.3 -----	8.3 -----	9.9 -----	9.0 -----
P7737	8.8 -	9.8 -----	7.7 ---	9.0 -	8.8 ----
P82000	8.9 --	9.5 ---	8.0 -----	9.3 ---	8.8 ---
KXC4101	9.1 -----	9.5 ---	8.5 -----	9.7 -----	9.1 -----
KXC4167	8.8 -	9.2 -	8.2 -----	9.4 ----	8.6 -
SB0934	9.0 ---	10.3 -----	7.7 ---	9.9 -----	8.7 --
(Symetric)	9.4 -----	9.8 -----	8.9 -----	9.9 -----	9.4 -----
Rafting	9.1 -----	9.9 -----	8.1 -----	9.5 -----	9.3 -----
KWS Chiasso	9.1 -----	9.7 -----	8.6 -----	9.8 -----	8.9 ----
-Bezugsgrösse(n)	8.8 -	9.6 ----	7.9 ----	9.2 ---	8.7 --
Versuchs-Mittel	9.0 -----	9.8 -----	8.2 -----	9.7 -----	9.0 -----
VK [%]	4.1	4.4	5.9	3.1	3.3
KGD (5%)	0.2	ns	0.8	0.5	ns
KGD (1%)	0.3	ns	1.1	0.7	ns
Versuchs-Streuung	0.4	0.4	0.5	0.3	0.3
FG Fehlerterm	122.0	20.0	20.0	20.0	20.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7.2	11	4.70 ***	1.87	0.0001
Anbauorte	62.6	5	90.00 ***	2.29	0.0000
WW Verf.*Anb.Orte	13.8	55	1.80 **	1.44	0.0039
Fehler	17.0	122			
Insgesamt	100.5	193			

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	8.8 -----	8.5 -
KWS Glasgo	8.7 -----	8.8 ----
P7818	8.9 -----	9.0 -----
KWS Adorado	8.9 -----	8.7 ----
P7737	8.5 -	8.7 ----
P82000	8.8 -----	8.9 -----
KXC4101	8.9 -----	9.0 -----
KXC4167	8.9 -----	8.6 --
SB0934	8.5 -	8.8 ----
(Symetric)	8.8 -----	9.3 -----
Rafting	9.0 -----	8.7 ---
KWS Chiasso	8.8 -----	8.9 -----
-Bezugsgrösse(n)	8.7 ----	8.6 --
Versuchs-Mittel	8.8 -----	8.8 -----
VK [%]	4.1	3.7
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.4	0.3
FG Fehlerterm	22.0	20.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	166.7 -----	171.5 -----	181.2 -----	170.9 -----	165.1 -----
KWS Glasgo	154.3 -	152.5 ---	158.9 --	173.1 -----	147.2 --
P7818	156.6 ---	161.6 -----	155.4 -	165.6 ---	161.2 -----
KWS Adorado	156.2 ---	158.3 -----	161.6 ---	167.5 -----	152.4 -----
P7737	160.5 -----	164.6 -----	170.3 -----	163.8 --	154.2 -----
P82000	159.9 -----	156.6 -----	164.0 -----	177.5 -----	152.5 -----
KXC4101	159.3 -----	160.0 -----	160.4 -----	172.6 -----	158.0 -----
KXC4167	161.7 -----	155.4 -----	161.9 -----	175.5 -----	164.7 -----
SB0934	166.4 -----	160.4 -----	175.7 -----	182.3 -----	163.4 -----
(Symetric)	158.0 -----	156.5 -----	160.9 -----	174.5 -----	153.5 -----
Rafting	153.6 -	159.1 -----	158.6 --	159.8 -	148.8 ---
KWS Chiasso	156.1 --	147.3 -	163.7 -----	178.0 -----	144.0 -
-Bezugsgrösse(n)	163.6 -----	168.1 -----	175.7 -----	167.3 -----	159.6 -----
Versuchs-Mittel	159.1 -----	158.7 -----	164.4 -----	171.8 -----	155.4 -----
VK [%]	4.9	4.5	6.0	5.0	4.5
KGD (5%)	5.2	ns	ns	ns	11.9
KGD (1%)	6.9	ns	ns	ns	ns
Versuchs-Streuung	7.9	7.1	9.9	8.5	7.0
FG Fehlerterm	121.0	20.0	22.0	20.0	20.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3578.5	11	5.25 ***	1.87	0.0001
Anbauorte	31812.3	5	102.60 ***	2.29	0.0000
WW Verf.*Anb.Orte	5227.8	55	1.53 *	1.44	0.0272
Fehler	7503.7	121			
Insgesamt	48122.3	192			

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	179.3 -----	132.5 -----
KWS Glasgo	158.9 -	135.5 -----
P7818	170.1 -----	125.3 --
KWS Adorado	162.5 --	134.8 -----
P7737	176.0 -----	134.3 -----
P82000	174.2 -----	134.5 -----
KXC4101	167.6 -----	137.5 -----
KXC4167	172.9 -----	139.7 -----
SB0934	171.6 -----	144.9 -----
(Symetric)	165.2 -----	137.7 -----
Rafting	173.0 -----	122.5 -
KWS Chiasso	161.2 --	142.1 -----
-Bezugsgrösse(n)	177.7 -----	133.4 -----
Versuchs-Mittel	169.4 -----	135.1 -----
VK [%]	3.5	6.0
KGD (5%)	10.0	ns
KGD (1%)	13.6	ns
Versuchs-Streuung	5.9	8.1
FG Fehlerterm	21.0	18.0
Anz. Beob.	3.0	3.0

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	101.8	102.1	103.1	102.1	103.4
KWS Glasgo	94.6	90.7	90.4	103.4	92.2
P7818	95.7	96.2	88.4	99.0	101.0
KWS Adorado	95.7	94.2	92.0	100.1	95.4
P7737	98.2	97.9	96.9	97.9	96.6
P82000	97.8	93.2	93.3	106.1	95.5
KXC4101	97.7	95.2	91.3	103.2	99.0
KXC4167	99.1	92.5	92.1	104.9	103.1
SB0934	102.0	95.4	100.0	108.9	102.4
(Symetric)	96.9	93.1	91.5	104.3	96.1
Rafting	93.8	94.7	90.2	95.5	93.2
KWS Chiasso	95.8	87.6	93.2	106.4	90.2
-Bezugsgrösse(n)	100.0	100.0	100.0	100.0	100.0
Versuchs-Mittel	97.4	94.4	93.5	102.6	97.3
VK [%]	5.0	4.5	6.0	5.0	4.5
KGD (5%)	3.2	ns	ns	ns	7.5
KGD (1%)	4.2	ns	ns	ns	ns
Versuchs-Streuung	4.9	4.2	5.7	5.1	4.4
FG Fehlerterm	121.0	20.0	22.0	20.0	20.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1325.1	11	5.11 ***	1.87	0.0001
Anbauorte	2552.3	5	21.66 ***	2.29	0.0000
WW Verf.*Anb.Orte	2028.5	55	1.57 *	1.44	0.0217
Fehler	2850.9	121			
Insgesamt	8756.7	192			

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	100.9	99.3
KWS Glasgo	89.4	101.6
P7818	95.7	94.0
KWS Adorado	91.5	101.1
P7737	99.1	100.7
P82000	98.1	100.8
KXC4101	94.3	103.1
KXC4167	97.3	104.7
SB0934	96.6	108.7
(Symetric)	93.0	103.3
Rafting	97.4	91.9
KWS Chiasso	90.7	106.5
-Bezugsgrösse(n)	100.0	100.0
Versuchs-Mittel	95.3	101.3
VK [%]	3.5	6.0
KGD (5%)	5.6	ns
KGD (1%)	7.7	ns
Versuchs-Streuung	3.3	6.1
FG Fehlerterm	21.0	18.0
Anz. Beob.	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
P8754	76.2 --	86.2 -----	74.7 ---	74.1 -----	77.4 -
KWS Glasgo	77.4 -----	85.9 -----	76.4 -----	71.8 ---	79.8 -----
P7818	77.6 -----	86.5 -----	77.2 -----	74.7 -----	79.1 -----
KWS Adorado	76.8 ----	85.4 -----	76.4 -----	71.0 -	79.1 -----
P7737	77.4 -----	86.0 -----	77.7 -----	74.7 -----	78.0 ---
P82000	76.1 -	85.6 -----	76.8 -----	72.9 -----	77.5 -
KXC4101	76.8 ----	85.4 -----	77.1 -----	71.0 -	78.7 -----
KXC4167	76.5 ----	84.9 ----	75.0 ---	71.4 --	78.0 ---
SB0934	76.6 ----	85.1 -----	76.0 -----	71.0 -	78.4 ----
(Symetric)	76.0 -	83.5 -	73.9 -	71.9 ---	78.3 ----
Rafting	77.6 -----	85.6 -----	76.3 -----	74.0 -----	78.8 -----
KWS Chiasso	76.7 ----	84.2 ---	74.5 --	72.4 ----	78.4 ----
-Bezugsgrösse(n)	76.8 ----	86.1 -----	76.2 -----	74.4 -----	77.7 --
Versuchs-Mittel	76.8 ----	85.4 -----	76.0 -----	72.6 ----	78.5 ----
VK [%]	0.9	0.4	1.1	0.7	0.6
KGD (5%)	0.4	0.6	1.4	0.8	0.8
KGD (1%)	0.6	0.8	1.9	1.1	1.0
Versuchs-Streuung	0.7	0.4	0.8	0.5	0.4
FG Fehlerterm	123.0	22.0	22.0	20.0	20.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	66.6	11	13.11 ***	1.87	0.0000
Anbauorte	5003.8	5	2165.67 ***	2.29	0.0000
WW Verf.*Anb.Orte	219.1	55	8.62 ***	1.44	0.0000
Fehler	56.8	123			
Insgesamt	5346.3	194			

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
P8754	78.0 ----	66.9 -
KWS Glasgo	79.1 -----	71.1 -----
P7818	79.1 -----	69.3 ----
KWS Adorado	78.7 -----	70.1 -----
P7737	77.9 ----	70.3 -----
P82000	77.0 -	66.5 -
KXC4101	78.3 -----	70.6 -----
KXC4167	78.3 -----	71.5 -----
SB0934	77.5 ---	71.5 -----
(Symetric)	77.4 ---	71.0 -----
Rafting	78.7 -----	71.9 -----
KWS Chiasso	78.0 ----	72.4 -----
-Bezugsgrösse(n)	78.0 ----	68.6 ----
Versuchs-Mittel	78.2 ----	70.3 -----
VK [%]	0.7	1.6
KGD (5%)	0.9	2.0
KGD (1%)	1.2	2.7
Versuchs-Streuung	0.5	1.1
FG Fehlerterm	19.0	20.0
Anz. Beob.	3.0	3.0

4.2 Serie mittelfrüh / Série mi-précoce

4.2.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2025	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	28.04.2025	16.10.2025
1725	Grangeneuve	654	02.05.2025	17.10.2025
1896	Vouvry	404	30.04.2025	10.11.2025
3065	Habstetten	680	15.05.2025	13.11.2025
8046	Reckenholz	440	28.04.2025	10.11.2025
8194	Hüntwangen	384	30.04.2025	06.11.2025
8566	Ellighausen	503	13.05.2025	31.10.2025

4.2.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
ES Katamaran	ESZ7107	SC	Lidea, Norderstedt	Fenaco, Moudon / Hauenstein, Rafz	KM11/S	
DKC 3400	ET3490	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM11/S	
KWS Chiasso	KXC1122	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	
KWS Arturello	KXC1347	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	
P8436	X85R261	SC	Pioneer	Pioneer, Versoix	KM11/S	
	EX3426	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM11/e2	
Wakefield	ESZ21204	SC	DSV, D	?	KM11/e2	
Amalkeo	KXC3313	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	
(KWS Galao)	KXC3346	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	
SU Hampton	1086D236-01	TC	Saaten Union GmbH, D	Hauenstein, Rafz	KM11/e1	
(Cigaluxx)	LZM 173-28	TC	Limagrain, Europe	Fenaco, Moudon	KM11/e1	
Gandolf		SC	SZG, A	Delley Samen und Pflanzen AG, Delley	KM11/e1	SM11/e1
	KXC3310	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	
	KXC4206	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	
	KXC4311	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	
	1084F587-01	SC	Pioneer	Pioneer, Versoix	KM11/e1	SM11/e1
P83462	1083D191-01	SC	Pioneer	Pioneer, Versoix	KM11/e1	
LID1244C		SC	Lidea, Norderstedt	?	KM11/e1	
Prestimo	SC2604	SC		Syngenta, Stein	KM11/e1	
	SB1983	SC	Syngenta, CH	Syngenta, Stein	KM11/e1	
SY Fleming	SA1342	SC	Syngenta, CH	Syngenta, Stein	KM11/e1	SM11/e2
Tarraco	SL20578	SC	Saatbau Linz eGen, A	?	KM11/e1	
LG 32257	LZM270/58	SC	Limagrain, Europe	Fenaco, Moudon	KM11/T	SM11/T
Pilgrim	GL187009	SC	SZG, A	E. Schweizer AG, Thun	KM21/S	

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

Technische Versuchsangaben / données techniques / technical information							
Standort / lieu / site:	Nyon (408 m ü.M.)	Grangeneuve (654 m ü.M.)	Vouvry (404 m ü.M.)	Habstetten (620 m ü.M.)	Reckenholz (384 m ü.M.)	Huntwangen (384 m ü.M.)	Ellighausen (503 m ü.M.)
Bodenart / type de sol / soil type:	Limono sableux	Moyen	Limono sableux (argile 10-20%) - MO 2.7 % - CaCO3 total 4.9 % pH 8,1)	Sandiger Lehm pH 6,4	Parabraunerde	Braunerde, tiefgründig, sandiger 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):	402.6 mm (Meteostation Changins) 2083.8 °C (Meteostation Changins) Irrigation : 25.06.2025 30 mm 02.07.2025 30 mm 08.07.2025 30 mm	538.1 mm (météo Suisse Posieux) 1726.6 °C (météo Suisse Posieux)	620 mm (selon météo Suisse station Agle) 2020.85 °C (selon météo Suisse station Agle)	687.4 mm (Meteostation Zäziwil) 1603.1 °C (Meteostation Zäziwil)	682.7 mm (Meteostation Reckenholz) 1937.35 °C (Meteostation Reckenholz)	691.1 mm (Agroneteo Wil-ZH) 1948.8 °C (Agroneteo Wil-ZH) Ellighausen	592 mm (Agroneteo Ellighausen) 1771.4 °C (Agroneteo 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	4 reihig, mit 1.33m Weg (20 m2 brutto), 10m2 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
Vorfrucht / précédent cultural / previous crop:	blé printemps + engrais vert / Sommerweizen + Gründüngung	Prairie temporaire / Kunstweise / temporary grassland	bettrevaves à sucre	orge	Prairie temporaire / Kunstweise / temporary grassland	Weizen, Gründüngung: UFA Lepha	Raps / Gründüngung: Steffen Terra Green Frigo
Bodenbearbeitung / travail du sol / soil cultivation:	25.03.2025 cultivateur pates d'oles 25.04.2025 vibroculteur 28.04.2025 herse rotative	Labour le 30.04.2025. Préparation pour semis, herse rotative 01.05.2025	Labour 28.04.2025, Herse rotative 29.04.2025	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow 01.04 et 01.05.2025	16.04.25 Pflug, 27.04.25 Kreiselegge	20.03.25 Grubber, 29.04.25 Kreiselegge	03.04.25 Gründüngung Mulchen, 04.04.25 Pflügen, 04.04.25 Walzen gegen Austrocknung Saatbeet
Saat / date de semis / sowing date:	28.04.2025 (jour 118)	02.05.2025 (jour 122)	30.04.2025 (jour 120)	15.05.2025 (jour 135)	28.04.2025	30.04.2025	13.05.2025
Ernte / date de récolte / harvest date:	16.10.2025 (jour 289)	17.10.2025 (jour 290)	10.11.2025 (jour 314)	13.11.2025 (jour 317)	10.11.2025	06.11.2025	31.10.2025
Saatdicke / densité de semis / sowing density:	9.5 Körner / grains pro m²	9.5 Körner / grains pro m²	9.5 Körner / grains pro m²	9.5 Körner / grains pro m²	9.5 Körner / grains pro m²	9.5 Körner / grains pro m²	9.5 Körner / grains pro m²
Vegetationsdauer / durée de végétation / growing period	171 Tage / jours / days	168 Tage / jours / days	194 Tage / jours / days	182 Tage / jours / days	196 Tage / jours / days	190 Tage / jours / days	171 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:	27.05.2025 : Equip power 1.25 l/ha Spectrum 1 l / ha	31.05.2025, Equip Power: 1.714 l/ha	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 Innov., 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	27.05.25: 2.1l/ha Laudis + 0.2 l/ha BanvelAS + 1.4 l/ha Spectrum	31.05.25: 1.2l/ha Equip Power + 0.9l/ha Callisto + 1.2l/ha Spectrum + 2l/ha Megatol
Gründüngung / fumure de base / basic fertilisation:	06.08.2024 37 m3 Liser bovins 5-10-20 : 18.5 kg N 37 kg P205 74 kg K2O	19.03.2025: 39.4 m3/ha Liser bovins 5-10-20 : 19 kg N, 39 kg P205, 78 kg K2O 30.04.2025: 50 m3/ha Liser bovins 5-10-20 : 25 kg N 50 kg P205 100 kg K2O	28.04.2025 500 kg/ha (Landor 13.9.16) : 65 kg N/ha, 45 kg P205/ha, 80 kg K20/ha	28.03.25 : Granuphos 18 %: 300 kg/ha = 54 kg P/ha, Kall 60 %: 200 kg/ha = 120 kg K/ha	14.04.25: 48l/ha Stapeimist (40.5 / 58.5 / 229.5 kg NPK/ha) + 40m3 Voilgule 1:1 verdukt (80 / 14.8 / 124 kg NPK/ha)	22.04.25: 35m3/ha Biogasgülle (115 / 35 / 74kg NPK/ha)	04.04.25: 38m3/ha Rindergülle (38 / 38 / 140.6 / 11.4kg NPK/ha) + 7l/ha Stapeimist (6.3 / 16.8 / 94.6 / 4.2 NPK/ha)
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 110 kg/ha Ammonitrate 27.5.0.0 : 60 N 28-05-2025 46.0.0 : 51 N	Nitrotec 26 % 342.4 kg / ha 89 kg N	28.04.2025 400 kg/ha Nitrotec 26 % : 104 kg N/ha	19.05.25 :171 kg/ha ammonitrate 27.5 % : 47 kg P/ha ; 06.06.25 : 160 kg/ha Harnstoff 46 % : 74 kg N /ha	20.05.25: 210kg/ha Mg-Ammonsalpeter 24%+S 650kg N/ha, 11.06.25: 130kg/ha Harnstoff 46% (60kg N/ha)	29.04.25: 200kg Harnstoff 46% (92kg N/ha)	11.05.25: 150kg/ha Harnstoff 46% (68kg N/ha), 04.06.25 180kg/ha Harnstoff 46% (82kg 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 Mährescher / moissonneuse-batteuse / direct combine harvesting				Wintersteiger Delta Mährescher / moissonneuse-batteuse / direct combine harvesting		

4.2.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager		Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
					Vegetation	Ernte				
P83462	e1	6.15	-2.34	-0.18		0.03	-0.37	0.05	-0.10	3.24
KXC3346	e2	5.03	-2.59	-0.02		-0.20	0.13	-0.45	-0.01	1.89
KXC4311	e1	3.00	-1.76	0.10		-0.21	-0.16	0.22	-0.01	1.18
Analkéo	e2	2.48	-1.58	-0.11		-0.09	0.25	-0.55	0.01	0.41
ES Katamaran	S	-0.37	0.64	-0.02		-0.04	-0.07	0.04	-0.01	0.17
KWS Chiasso	S	0.37	-0.64	0.02		0.04	0.07	-0.04	0.01	-0.17
P8436	S	4.16	-2.54	-0.53		-0.27	0.19	-0.59	-0.86	-0.44
LID1444C	e1	2.71	-3.38	0.07		0.03	-0.18	-0.31	-0.24	-1.30
DKC 3400	S	0.22	-1.34	-0.19		-0.40	0.19	-0.85	0.01	-2.36
SB1983	e1	0.28	-2.22	0.21		-0.32	0.19	-1.30	0.01	-3.15
Wakefield	e2	1.31	-2.53	-0.04		-1.12	-1.03	0.24	-0.06	-3.23
SU Hampton	e1	4.46	-5.14	-0.59		-1.24	0.01	-0.63	-0.32	-3.45
1084F587-01	e1	1.67	-5.11	0.03		-0.61	0.19	0.05	-0.01	-3.79
KXC3310	e1	-0.66	-2.82	-0.33		-0.21	0.00	-0.19	-0.01	-4.22
SY Fleming	e1	3.35	-6.63	0.19		-1.49	0.08	-0.01	0.01	-4.50
KWS Arturello	S	-1.14	-3.24	-0.15		0.10	0.19	-0.35	-0.01	-4.60
EX3426	e2	-1.38	-1.88	-0.30		-0.65	0.19	-0.84	-0.09	-4.95
Prestimo	e1	-0.14	-5.22	-0.07		-0.69	0.19	-0.07	-0.01	-6.01
LG 32257	T	-0.41	-4.95	0.17		-1.81	0.25	-0.04	-0.05	-6.84
(Cigaluxx)	e1	-3.00	-2.27	0.04		-0.81	0.25	-0.85	-0.26	-6.90
Gandolf	e1	-0.34	-0.96	0.19		-5.99	-0.04	-0.24	-0.28	-7.66
Tarraco	e1	2.58	-9.04	-0.21		-1.44	0.08	-0.25	-0.01	-8.29
KXC4206	e1	2.81	-4.90	0.13		-4.31	0.07	-2.79	-0.01	-9.00
Pilgrim	T	4.30	-12.13	-0.15		-0.42	0.19	-0.16	-0.82	-9.19
Bezugsgrößen		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		21	21	21		6	6	21	6	
Anzahl Orte		7	7	7		2	2	7	2	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

4.2.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %	Stängel fäule %
ES Katamaran	3.9	75.3	74.3	238.5	122.0	51.1	0.6	1.5	0.3
DKC 3400	4.2	76.3	75.7	231.5	118.0	50.8	2.3	0.3	0.0
KWS Chiasso	3.8	73.1	72.4	242.9	118.7	48.9	0.3	0.8	0.0
KWS Arturello	4.1	75.9	75.3	229.6	115.8	50.3	0.0	0.3	0.3
P8436	4.9	78.3	77.5	241.1	119.4	49.5	1.7	0.3	12.1
EX3426	4.4	78.7	78.3	259.2	116.2	44.8	3.5	0.3	1.4
Wakefield	3.9	77.8	76.1	258.1	126.6	48.9	5.7	6.0	1.0
Amalkeo	4.0	74.8	74.7	234.0	118.6	50.6	0.9	0.0	0.0
KXC3346	3.9	75.8	74.6	278.9	125.2	44.9	1.4	0.6	0.3
SU Hampton	5.0	80.5	79.1	253.7	122.2	48.1	6.3	1.1	4.6
(Cigaluxx)	3.7	73.4	73.0	252.9	113.6	44.9	4.2	0.0	3.8
Gandolf	3.4	74.2	73.3	240.2	120.1	50.1	28.4	1.4	4.1
KXC3310	4.5	75.1	74.7	231.6	120.5	52.0	1.4	1.2	0.3
KXC4206	3.6	75.7	75.5	264.0	130.6	49.5	20.6	0.9	0.3
KXC4311	3.6	75.6	76.0	237.9	119.1	50.0	1.4	1.9	0.3
1084F587-01	3.8	77.3	76.9	266.2	127.2	47.8	3.3	0.3	0.3
P83462	4.2	78.8	78.6	257.9	122.8	47.6	0.3	2.9	1.5
LID1444C	3.7	77.4	77.3	275.5	133.4	48.5	0.3	2.0	3.5
Prestimo	4.0	76.4	75.6	239.6	118.7	49.4	3.7	0.3	0.3
SB1983	3.4	75.9	74.4	249.0	114.8	46.1	1.9	0.3	0.0
SY Fleming	3.4	75.0	73.8	259.9	116.6	44.8	7.4	0.8	0.0
Tarraco	4.2	79.2	78.2	259.3	130.6	50.3	7.2	0.8	0.3
LG 32257	3.5	73.5	72.5	253.6	113.0	44.5	8.9	0.0	0.9
Pilgrim	4.1	77.3	76.2	253.3	124.6	49.2	2.4	0.3	11.6
Bezugsgrösse(n)	3.8	74.2	73.3	240.7	120.4	50.0	0.4	1.2	0.1
Versuchs-Mittel	4.0	76.3	75.6	250.3	121.2	48.4	4.8	1.0	2.0
VK [%]	13.9	1.5	1.5	3.2	6.0	5.9	78.7	292.6	163.3
KGD (5%)	0.3	0.7	0.7	5.3	4.8	1.9	4.3		3.7
KGD (1%)	0.4	1.0	1.0	7.0	6.3	2.5	5.7		4.9
Versuchs-Streuung	0.5	1.1	1.1	8.1	7.3	2.9	3.7	2.9	3.2
FG Fehlerterm	308.0	265.0	265.0	263.0	265.0	265.0	90.0	90.0	90.0
Anz. Beob.	21.0	18.0	18.0	18.0	18.0	18.0	6.0	6.0	6.0
Anz. Orte	7.0	6.0	6.0	6.0	6.0	6.0	2.0	2.0	2.0
Minimum	3.4	73.1	72.4	229.6	113.0	44.5	0.0	0.0	0.0
Maximum	5.0	80.5	79.1	278.9	133.4	52.0	28.4	6.0	12.1

Sorten Bezeich- nung	Helmin- thosp. 1. Bon. Note	Beulen- brand %	Kolben- fusarien Note	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
ES Katamaran	2.5	1.1	1.4	8.6	165.5	100.0	77.6
DKC 3400	2.7	4.7	1.2	8.8	166.5	100.8	76.8
KWS Chiasso	3.1	1.4	1.3	8.6	166.7	100.6	77.1
KWS Arturello	3.0	2.7	1.2	8.8	164.2	99.9	76.1
P8436	3.4	3.6	1.2	8.4	173.0	104.9	76.3
EX3426	3.0	4.6	1.1	8.9	163.8	99.6	76.6
Wakefield	2.9	0.3	1.1	7.6	168.3	102.2	76.3
Amalkeo	3.4	3.5	1.1	8.7	170.2	103.3	76.7
KXC3346	2.9	3.1	1.2	8.8	174.5	105.9	76.3
SU Hampton	2.9	3.8	1.2	8.5	173.5	105.8	75.3
(Cigaluxx)	3.8	4.7	1.2	8.8	161.1	97.4	76.5
Gandolf	3.1	2.2	1.1	8.7	165.6	100.0	77.0
KXC3310	3.3	2.0	1.3	8.7	165.0	100.2	76.2
KXC4206	2.7	12.4	1.2	8.8	170.8	103.4	75.4
KXC4311	2.8	0.4	1.3	9.0	171.1	103.8	76.7
1084F587-01	2.4	1.1	1.4	8.8	168.9	102.6	75.3
P83462	2.9	1.1	1.2	7.9	176.3	106.9	76.4
LID1444C	2.8	2.5	1.1	8.6	170.6	103.6	76.0
Prestimo	3.2	1.5	1.4	8.8	165.9	100.9	75.3
SB1983	3.0	6.5	1.7	9.0	166.6	100.9	76.5
SY Fleming	3.2	1.3	1.3	8.9	171.7	104.2	74.7
Tarraco	2.2	2.3	1.6	8.8	170.4	103.4	73.7
LG 32257	2.7	1.4	1.5	8.7	165.4	100.5	75.4
Pilgrim	2.8	1.9	1.3	8.5	173.3	105.2	72.5
Bezugsgrösse(n)	2.8	1.3	1.3	8.6	166.1	100.3	77.4
Versuchs-Mittel	2.9	2.9	1.3	8.7	168.7	102.3	76.0
VK [%]	19.4	118.8	21.3	5.0	7.7	7.4	1.9
KGD (5%)	0.5	2.1	0.3	0.3	7.9	4.6	0.9
KGD (1%)	0.6	2.8	0.4	0.3	10.4	6.1	1.1
Versuchs-Streuung	0.6	3.5	0.3	0.4	13.0	7.6	1.4
FG Fehlerterm	173.0	311.0	90.0	315.0	307.0	307.0	306.0
Anz. Beob.	12.0	21.0	6.0	21.0	21.0	21.0	21.0
Anz. Orte	4.0	7.0	2.0	7.0	7.0	7.0	7.0
Minimum	2.2	0.3	1.1	7.6	161.1	97.4	72.5
Maximum	3.8	12.4	1.7	9.0	176.3	106.9	77.6

4.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
ES Katamaran	3.9 ----	3.7 ---	5.4 -----	5.3 ---	4.0 -
DKC 3400	4.2 -----	4.3 -----	5.3 -----	5.3 ---	5.0 -----
KWS Chiasso	3.8 ---	3.7 ---	4.7 ---	5.7 -----	4.0 -
KWS Arturello	4.1 -----	4.3 -----	5.2 -----	5.7 -----	4.7 -----
P8436	4.9 -----	5.0 -----	5.9 -----	6.7 -----	5.3 -----
EX3426	4.4 -----	4.3 -----	5.9 -----	5.3 ---	5.0 -----
Wakefield	3.9 ----	4.0 -----	4.6 --	6.0 -----	4.7 -----
Amalkeo	4.0 -----	4.3 -----	5.0 -----	5.7 -----	5.0 -----
KXC3346	3.9 ----	4.0 -----	5.4 -----	5.3 ---	4.7 -----
SU Hampton (Cigaluxx)	5.0 -----	5.3 -----	5.6 -----	6.3 -----	5.3 -----
Gandolf	3.7 ---	3.7 ---	5.2 -----	5.3 ---	4.0 -
KXC3310	3.4 -	3.3 --	5.0 -----	5.3 ---	4.3 ---
KXC4206	4.5 -----	5.0 -----	5.3 -----	6.0 -----	5.0 -----
KXC4311	3.6 --	3.7 ---	4.9 ---	5.3 ---	4.3 ---
1084F587-01	3.6 --	3.0 -	4.7 --	5.7 -----	4.3 ---
P83462	3.8 ---	3.3 --	4.6 --	5.3 ---	4.0 -
LID1244C	4.2 -----	3.7 ---	5.6 -----	5.3 ---	5.3 -----
Prestimo	3.7 --	3.0 -	4.4 -	5.0 -	5.0 -----
SB1983	4.0 -----	4.0 -----	5.1 -----	5.7 -----	5.0 -----
SY Fleming	3.4 -	3.3 --	4.4 -	5.3 ---	4.0 -
Tarraco	3.4 -	3.3 --	5.1 -----	5.0 -	4.0 -
LG 32257	4.2 -----	4.3 -----	5.4 -----	6.0 -----	4.7 -----
Pilgrim	3.5 -	3.3 --	4.7 ---	5.3 ---	4.3 ---
	4.1 -----	4.3 -----	5.2 -----	6.0 -----	4.7 -----
-Bezugsgrösse(n)	3.8 ---	3.7 ---	5.1 -----	5.5 -----	4.0 -
Versuchs-Mittel	4.0 -----	3.9 -----	5.1 -----	5.6 -----	4.6 -----
VK [%]	13.9	16.1	7.6	7.3	7.9
KGD (5%)	0.3	1.0	0.6	0.7	0.6
KGD (1%)	0.4	1.4	0.9	0.9	0.8
Versuchs-Streuung	0.5	0.6	0.4	0.4	0.4
FG Fehlerterm	308.0	44.0	41.0	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	89.2	23	12.82 ***	1.57	0.0000
Anbauorte	632.7	6	348.81 ***	2.13	0.0000
WW Verf.*Anb.Orte	47.6	138	1.14 ns	1.26	
Fehler	93.1	308			
Insgesamt	862.6	475			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
ES Katamaran	3.0 ----	2.0 ----	3.7 -----
DKC 3400	3.3 -----	2.3 -----	3.7 -----
KWS Chiasso	3.0 ----	2.3 -----	3.0 ----
KWS Arturello	3.0 ----	2.7 -----	3.3 -----
P8436	3.7 -----	3.3 -----	4.3 -----
EX3426	3.7 -----	2.3 -----	4.3 -----
Wakefield	2.7 ---	2.0 ----	3.3 -----
Amalkeo	3.3 -----	2.0 ----	3.0 ----
KXC3346	3.0 ----	2.0 ----	2.7 ---
SU Hampton	4.3 -----	3.3 -----	4.7 -----
(Cigaluxx)	2.7 ---	2.0 ----	3.3 -----
Gandolf	2.0 -	2.0 ----	2.0 -
KXC3310	3.7 -----	3.0 -----	3.3 -----
KXC4206	2.3 --	1.7 --	2.7 ---
KXC4311	2.7 ---	2.0 ----	3.0 ----
1084F587-01	3.0 ----	2.0 ----	4.0 -----
P83462	3.3 -----	2.7 -----	3.3 -----
LID1244C	3.0 ----	2.0 ----	3.3 -----
Prestimo	3.3 -----	2.0 ----	2.7 ---
SB1983	2.7 ---	1.3 -	2.7 ---
SY Fleming	3.0 ----	1.7 --	2.0 -
Tarraco	3.7 -----	2.3 -----	3.3 -----
LG 32257	2.7 ---	2.0 ----	2.0 -
Pilgrim	3.7 -----	1.7 --	3.3 -----
-Bezugsgrösse(n)	3.0 ----	2.2 ----	3.3 -----
Versuchs-Mittel	3.1 ----	2.2 ----	3.2 -----
VK [%]	25.0	27.7	16.2
KGD (5%)	ns	1.0	0.9
KGD (1%)	ns	ns	1.1
Versuchs-Streuung	0.8	0.6	0.5
FG Fehlerterm	46.0	43.0	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		1896 Vouvry		3065 Habstetten	
ES Katamaran	75.3	----	70.0	----	74.9	----	82.0	----	78.0	---
DKC 3400	76.3	-----	69.3	---	76.5	-----	81.7	---	80.0	-----
KWS Chiasso	73.1	-	68.3	-	74.1	---	80.3	-	75.3	-
KWS Arturello	75.9	----	70.3	----	76.0	-----	82.0	----	78.7	----
P8436	78.3	-----	73.0	-----	77.1	-----	84.0	-----	82.7	-----
EX3426	78.7	-----	71.3	-----	78.9	-----	83.3	-----	83.0	-----
Wakefield	77.8	-----	71.7	-----	75.9	-----	84.0	-----	81.7	-----
Amalkeo	74.8	---	69.7	---	76.1	-----	81.7	---	76.7	--
KXC3346	75.8	----	71.0	----	75.8	-----	82.0	----	79.7	-----
SU Hampton	80.5	-----	74.3	-----	77.7	-----	86.0	-----	86.0	-----
(Cigaluxx)	73.4	-	68.0	-	74.2	---	80.0	-	75.7	-
Gandolf	74.2	--	69.0	--	74.7	----	81.7	---	77.3	--
KXC3310	75.1	---	69.0	--	75.0	----	82.7	-----	77.3	--
KXC4206	75.7	----	70.0	----	76.4	-----	81.3	---	81.0	-----
KXC4311	75.6	----	68.7	--	77.5	-----	82.0	----	78.3	---
1084F587-01	77.3	-----	71.7	-----	76.9	-----	81.3	---	82.3	-----
P83462	78.8	-----	72.3	-----	78.1	-----	83.3	-----	85.0	-----
LID1244C	77.4	-----	70.0	----	78.5	-----	82.3	----	82.0	-----
Prestimo	76.4	----	70.7	----	77.0	-----	82.7	----	80.0	-----
SB1983	75.9	----	70.7	----	75.9	-----	82.7	----	78.0	---
SY Fleming	75.0	---	68.0	-	75.6	----	81.3	---	77.7	---
Tarraco	79.2	-----	72.0	-----	78.7	-----	85.0	-----	84.0	-----
LG 32257	73.5	-	68.3	-	72.7	-	81.0	--	76.3	--
Pilgrim	77.3	-----	72.3	-----	76.2	-----	84.3	-----	81.7	-----
-Bezugsgrösse(n)	74.2	--	69.2	--	74.5	----	81.2	---	76.7	--
Versuchs-Mittel	76.3	-----	70.4	----	76.3	-----	82.4	-----	79.9	-----
VK [%]	1.5		1.7		1.1		1.0		1.2	
KGD (5%)	0.7		1.9		1.3		1.4		1.6	
KGD (1%)	1.0		2.6		1.8		1.9		2.2	
Versuchs-Streuung	1.1		1.2		0.8		0.9		1.0	
FG Fehlerterm	265.0		46.0		41.0		44.0		44.0	
Anz. Beob.	18.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1563.7	23	53.24 ***	1.57	0.0000
Anbauorte	7396.9	5	1158.43 ***	2.25	0.0000
WW Verf.*Anb.Orte	435.3	115	2.96 ***	1.29	0.0001
Fehler	338.4	265			
Insgesamt	9734.3	408			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
ES Katamaran	75.3 ----	71.3 ----
DKC 3400	76.3 -----	74.0 -----
KWS Chiasso	71.7 -	68.7 --
KWS Arturello	76.3 -----	72.3 ----
P8436	78.0 -----	75.0 -----
EX3426	78.7 -----	77.0 -----
Wakefield	77.7 -----	75.7 -----
Amalkeo	75.3 ----	69.3 --
KXC3346	75.7 ----	70.7 ----
SU Hampton	81.0 -----	77.7 -----
(Cigaluxx)	73.3 --	69.0 --
Gandolf	74.7 ----	67.7 -
KXC3310	75.0 ----	71.3 ----
KXC4206	76.0 ----	69.3 --
KXC4311	75.7 ----	71.3 ----
1084F587-01	77.3 -----	74.3 -----
P83462	79.0 -----	75.0 -----
LID1244C	77.3 -----	74.3 -----
Prestimo	76.7 -----	71.3 ----
SB1983	77.3 -----	70.7 ----
SY Fleming	76.7 -----	70.7 ----
Tarraco	80.3 -----	75.3 -----
LG 32257	73.3 --	69.0 --
Pilgrim	78.0 -----	71.3 ----
-Bezugsgrösse(n)	73.5 ---	70.0 ---
Versuchs-Mittel	76.5 -----	72.2 -----
VK [%]	1.8	1.9
KGD (5%)	2.3	2.2
KGD (1%)	3.1	3.0
Versuchs-Streuung	1.4	1.4
FG Fehlerterm	46.0	44.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	74.3	---	68.7	----	73.2	----	80.0	----	76.0	---
DKC 3400	75.7	-----	69.7	-----	74.3	-----	79.7	---	78.0	-----
KWS Chiasso	72.4	-	67.0	-	72.5	--	78.3	-	73.3	-
KWS Arturello	75.3	-----	70.0	-----	74.4	-----	80.0	----	76.7	----
P8436	77.5	-----	72.0	-----	75.0	-----	82.0	-----	81.0	-----
EX3426	78.3	-----	72.0	-----	76.9	-----	81.3	-----	81.3	-----
Wakefield	76.1	-----	70.0	-----	73.6	----	82.0	-----	79.3	-----
Amalkeo	74.7	----	69.0	----	74.3	-----	79.7	---	75.3	---
KXC3346	74.6	----	69.3	-----	73.9	----	80.0	----	77.7	-----
SU Hampton	79.1	-----	72.7	-----	75.9	-----	84.0	-----	83.7	-----
(Cigaluxx)	73.0	--	66.7	-	73.2	----	78.0	-	73.7	-
Gandolf	73.3	--	67.3	--	73.3	----	79.7	---	75.3	---
KXC3310	74.7	----	68.7	----	73.3	----	80.7	-----	75.7	---
KXC4206	75.5	-----	70.0	-----	74.5	-----	79.3	---	79.7	-----
KXC4311	76.0	-----	70.3	-----	75.9	-----	80.0	----	77.0	----
1084F587-01	76.9	-----	71.3	-----	75.8	-----	79.3	---	80.3	-----
P83462	78.6	-----	73.3	-----	76.1	-----	81.7	-----	83.0	-----
LID1244C	77.3	-----	72.0	-----	76.5	-----	80.3	----	79.7	-----
Prestimo	75.6	----	69.7	----	74.9	-----	80.7	----	78.0	----
SB1983	74.4	----	69.0	----	73.3	----	80.7	----	76.0	----
SY Fleming	73.8	---	67.0	-	73.8	----	79.3	---	75.7	---
Tarraco	78.2	-----	70.3	-----	76.8	-----	83.0	-----	82.3	-----
LG 32257	72.5	-	66.7	-	71.7	-	79.0	--	74.3	--
Pilgrim	76.2	-----	70.7	-----	73.9	----	82.3	-----	79.7	-----
-Bezugsgrösse(n)	73.3	--	67.8	--	72.9	---	79.2	---	74.7	--
Versuchs-Mittel	75.6	-----	69.7	-----	74.5	-----	80.5	-----	78.0	-----
VK [%]	1.5		1.9		0.9		1.1		1.3	
KGD (5%)	0.7		2.2		1.1		1.4		1.6	
KGD (1%)	1.0		3.0		1.5		1.9		2.2	
Versuchs-Streuung	1.1		1.3		0.7		0.9		1.0	
FG Fehlerterm	265.0		46.0		41.0		44.0		44.0	
Anz. Beob.	18.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	1537.1	23	53.34	***	1.57	0.0000
Anbauorte	5302.0	5	846.35	***	2.25	0.0000
WW Verf.*Anb.Orte	407.3	115	2.83	***	1.29	0.0001
Fehler	332.0	265				
Insgesamt	7578.4	408				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
ES Katamaran	76.0 ----	71.7 ----
DKC 3400	77.7 -----	74.7 -----
KWS Chiasso	72.7 -	70.3 --
KWS Arturello	76.7 ----	74.3 -----
P8436	78.3 -----	76.7 -----
EX3426	80.3 -----	78.0 -----
Wakefield	77.0 -----	75.0 -----
Amalkeo	77.3 -----	72.3 ----
KXC3346	76.7 ----	70.3 --
SU Hampton	81.0 -----	77.3 -----
(Cigaluxx)	75.0 ---	71.7 ----
Gandolf	75.3 ----	69.0 -
KXC3310	76.3 ----	73.7 -----
KXC4206	77.7 -----	71.7 ----
KXC4311	78.0 -----	74.7 -----
1084F587-01	78.7 -----	76.0 -----
P83462	80.7 -----	76.7 -----
LID1244C	79.7 -----	75.7 -----
Prestimo	77.7 -----	73.0 ----
SB1983	76.3 ----	71.0 ---
SY Fleming	76.3 ----	70.7 --
Tarraco	81.0 -----	75.7 -----
LG 32257	74.0 --	69.0 -
Pilgrim	78.3 -----	72.3 ----
-Bezugsgrösse(n)	74.3 ---	71.0 ---
Versuchs-Mittel	77.4 -----	73.4 -----
VK [%]	1.5	1.9
KGD (5%)	1.9	2.3
KGD (1%)	2.6	3.1
Versuchs-Streuung	1.2	1.4
FG Fehlerterm	46.0	44.0
Anz. Beob.	3.0	3.0

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	238.5	--	253.3	-	217.9	-	236.7	----	246.7	---
DKC 3400	231.5	-	253.3	-	218.9	-	233.3	---	236.7	--
KWS Chiasso	242.9	---	256.7	--	227.3	---	236.7	----	261.7	-----
KWS Arturello	229.6	-	253.3	-	227.9	---	220.0	-	235.0	-
P8436	241.1	---	265.0	----	223.4	--	226.7	--	251.7	----
EX3426	259.2	-----	273.3	-----	245.2	-----	253.3	-----	270.0	-----
Wakefield	258.1	-----	271.7	-----	236.8	-----	258.3	-----	265.0	-----
Amalkeo	234.0	-	268.3	-----	228.8	---	223.3	-	230.0	-
KXC3346	278.9	-----	290.0	-----	259.9	-----	268.3	-----	295.0	-----
SU Hampton	253.7	-----	270.0	-----	239.1	-----	248.3	-----	266.7	-----
(Cigaluxx)	252.9	-----	270.0	-----	240.4	-----	255.0	-----	260.0	-----
Gandolf	240.2	---	251.7	-	226.2	---	228.3	--	255.0	----
KXC3310	231.6	-	255.0	-	229.4	---	220.0	-	233.3	-
KXC4206	264.0	-----	276.7	-----	245.7	-----	258.3	-----	273.3	-----
KXC4311	237.9	--	258.3	--	229.1	---	236.7	----	238.3	--
1084F587-01	266.2	-----	285.0	-----	253.8	-----	256.7	-----	275.0	-----
P83462	257.9	-----	278.3	-----	237.7	-----	251.7	-----	268.3	-----
LID1244C	275.5	-----	285.0	-----	261.2	-----	273.3	-----	281.7	-----
Prestimo	239.6	---	265.0	----	242.3	-----	225.0	--	235.0	-
SB1983	249.0	-----	266.7	-----	237.2	-----	243.3	-----	260.0	-----
SY Fleming	259.9	-----	278.3	-----	229.6	---	258.3	-----	280.0	-----
Tarraco	259.3	-----	268.3	-----	244.0	-----	256.7	-----	276.7	-----
LG 32257	253.6	-----	280.0	-----	230.1	---	250.0	-----	268.3	-----
Pilgrim	253.3	-----	270.0	-----	236.5	-----	245.0	-----	265.0	-----
-Bezugsgrösse(n)	240.7	---	255.0	-	222.6	--	236.7	----	254.2	----
Versuchs-Mittel	250.3	-----	268.5	-----	236.2	-----	244.3	-----	259.5	-----
VK [%]	3.2		2.8		2.6		3.7		2.7	
KGD (5%)	5.3		12.3		10.1		15.0		11.7	
KGD (1%)	7.0		16.5		13.5		20.1		15.7	
Versuchs-Streuung	8.1		7.5		6.1		9.1		7.1	
FG Fehlerterm	263.0		44.0		41.0		44.0		44.0	
Anz. Beob.	18.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	78285.7	23	52.11	***	1.57	0.0000
Anbauorte	62004.9	5	189.85	***	2.25	0.0000
WW Verf.*Anb.Orte	14376.3	115	1.91	***	1.29	0.0006
Fehler	17178.8	263				
Insgesamt	171845.7	406				

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8046 Reckenholz ZH		8566 Ellighausen TG	
ES Katamaran	228.3	---	248.3	----
DKC 3400	218.3	-	228.3	-
KWS Chiasso	221.7	--	253.3	-----
KWS Arturello	215.0	-	226.7	-
P8436	230.0	----	250.0	----
EX3426	248.3	-----	265.0	-----
Wakefield	246.7	-----	270.0	-----
Amalkeo	215.0	-	238.3	--
KXC3346	266.7	-----	293.3	-----
SU Hampton	245.0	-----	253.3	-----
(Cigaluxx)	235.0	----	256.7	-----
Gandolf	233.3	----	246.7	----
KXC3310	215.0	-	236.7	--
KXC4206	253.3	-----	276.7	-----
KXC4311	221.7	--	243.3	---
1084F587-01	250.0	-----	276.7	-----
P83462	256.7	-----	255.0	-----
LID1244C	266.7	-----	285.0	-----
Prestimo	228.3	---	241.7	---
SB1983	233.3	----	253.3	-----
SY Fleming	238.3	-----	275.0	-----
Tarraco	248.3	-----	261.7	-----
LG 32257	233.3	----	260.0	-----
Pilgrim	243.3	-----	260.0	-----
-Bezugsgrösse(n)	225.0	---	250.8	----
Versuchs-Mittel	237.2	-----	256.5	-----
VK [%]	3.9		3.4	
KGD (5%)	15.2		14.4	
KGD (1%)	20.2		19.2	
Versuchs-Streuung	9.2		8.7	
FG Fehlerterm	46.0		44.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	122.0	----	131.7	-	112.2	----	126.7	-----	120.0	----
DKC 3400	118.0	---	146.7	-----	106.4	---	126.7	-----	111.7	-
KWS Chiasso	118.7	---	133.3	--	107.1	---	118.3	-----	125.0	-----
KWS Arturello	115.8	--	136.7	---	108.2	----	105.0	-	115.0	--
P8436	119.4	----	143.3	-----	116.4	-----	113.3	---	120.0	----
EX3426	116.2	--	133.3	--	105.4	--	116.7	----	121.7	-----
Wakefield	126.6	-----	145.0	-----	106.5	---	135.0	-----	130.0	-----
Amalkeo	118.6	---	138.3	----	118.1	-----	120.0	----	118.3	---
KXC3346	125.2	-----	143.3	-----	114.4	-----	123.3	-----	121.7	-----
SU Hampton	122.2	-----	135.0	--	111.3	----	121.7	-----	135.0	-----
(Cigaluxx)	113.6	-	136.7	---	109.8	----	113.3	---	116.7	---
Gandolf	120.1	----	135.0	--	104.2	--	121.7	-----	115.0	--
KXC3310	120.5	----	145.0	-----	111.4	----	118.3	----	123.3	-----
KXC4206	130.6	-----	145.0	-----	117.1	-----	128.3	-----	126.7	-----
KXC4311	119.1	----	143.3	-----	114.9	-----	108.3	--	115.0	--
1084F587-01	127.2	-----	143.3	-----	118.1	-----	130.0	-----	125.0	-----
P83462	122.8	-----	140.0	----	113.6	-----	126.7	-----	123.3	-----
LID1244C	133.4	-----	150.0	-----	124.0	-----	138.3	-----	128.3	-----
Prestimo	118.7	---	140.0	----	118.7	-----	113.3	---	115.0	--
SB1983	114.8	-	135.0	--	103.5	--	118.3	-----	116.7	---
SY Fleming	116.6	--	136.7	---	102.6	-	118.3	-----	120.0	----
Tarraco	130.6	-----	145.0	-----	123.5	-----	126.7	-----	133.3	-----
LG 32257	113.0	-	138.3	----	101.5	-	115.0	----	111.7	-
Pilgrim	124.6	-----	141.7	-----	109.4	----	123.3	-----	126.7	-----
-Bezugsgrösse(n)	120.4	----	132.5	-	109.7	----	122.5	-----	122.5	-----
Versuchs-Mittel	121.2	-----	140.1	-----	111.6	-----	121.1	-----	121.5	-----
VK [%]	6.0		4.4		5.0		6.0		4.7	
KGD (5%)	4.8		10.1		9.3		12.0		9.3	
KGD (1%)	6.3		ns		12.4		16.0		12.4	
Versuchs-Streuung	7.3		6.1		5.6		7.3		5.7	
FG Fehlerterm	265.0		46.0		41.0		46.0		44.0	
Anz. Beob.	18.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	12695.9	23	10.47	***	1.57	0.0000
Anbauorte	37132.6	5	140.80	***	2.25	0.0000
WW Verf.*Anb.Orte	10314.9	115	1.70	ns	1.29	
Fehler	13977.6	265				
Insgesamt	74121.0	408				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
ES Katamaran	111.7 ----	130.0 -----
DKC 3400	105.0 ---	111.7 --
KWS Chiasso	113.3 ----	115.0 ----
KWS Arturello	110.0 ----	120.0 ----
P8436	111.7 ----	111.7 --
EX3426	110.0 ----	110.0 --
Wakefield	111.7 ----	131.7 -----
Amalkeo	96.7 -	120.0 ----
KXC3346	116.7 -----	131.7 -----
SU Hampton	116.7 -----	113.3 ---
(Cigaluxx)	96.7 -	108.3 -
Gandolf	125.0 -----	120.0 ----
KXC3310	111.7 ----	113.3 ---
KXC4206	131.7 -----	135.0 -----
KXC4311	118.3 -----	115.0 ----
1084F587-01	123.3 -----	123.3 -----
P83462	115.0 -----	118.3 ----
LID1244C	131.7 -----	128.3 -----
Prestimo	106.7 ---	118.3 ----
SB1983	105.0 ---	110.0 --
SY Fleming	101.7 --	120.0 ----
Tarraco	120.0 -----	135.0 -----
LG 32257	105.0 ---	106.7 -
Pilgrim	120.0 -----	126.7 -----
-Bezugsgrösse(n)	112.5 ----	122.5 -----
Versuchs-Mittel	113.1 ----	119.7 -----
VK [%]	8.0	7.5
KGD (5%)	14.9	14.7
KGD (1%)	19.9	19.6
Versuchs-Streuung	9.0	8.9
FG Fehlerterm	44.0	44.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	51.1	-----	52.0	----	51.2	-----	53.5	-----	48.7	-----
DKC 3400	50.8	-----	57.9	-----	48.6	-----	54.4	-----	47.2	-----
KWS Chiasso	48.9	-----	51.9	----	47.2	-----	50.0	-----	47.8	-----
KWS Arturello	50.3	-----	54.0	----	47.5	-----	47.7	----	48.9	-----
P8436	49.5	-----	54.1	-----	52.1	-----	49.9	-----	47.8	-----
EX3426	44.8	-	48.8	-	43.0	-	46.0	--	45.1	----
Wakefield	48.9	-----	53.4	-----	45.1	---	52.3	-----	49.1	-----
Amalkeo	50.6	-----	51.5	----	51.7	-----	53.7	-----	51.4	-----
KXC3346	44.9	-	49.5	-	44.1	--	46.0	--	41.3	-
SU Hampton	48.1	----	50.0	--	46.6	----	49.0	----	50.5	-----
(Cigaluxx)	44.9	-	50.6	---	45.8	----	44.5	-	44.9	-----
Gandolf	50.1	-----	53.6	-----	46.2	----	53.3	-----	45.1	----
KXC3310	52.0	-----	56.8	-----	48.8	-----	53.8	-----	52.7	-----
KXC4206	49.5	-----	52.4	-----	47.6	-----	49.7	-----	46.3	----
KXC4311	50.0	-----	55.5	-----	50.1	-----	45.8	--	48.3	-----
1084F587-01	47.8	----	50.3	--	46.6	----	50.7	-----	45.4	----
P83462	47.6	----	50.3	--	47.7	----	50.4	-----	46.0	----
LID1244C	48.5	-----	52.6	-----	47.5	-----	50.6	-----	45.5	----
Prestimo	49.4	-----	52.8	-----	48.9	-----	50.4	-----	48.9	-----
SB1983	46.1	---	50.7	---	43.6	-	48.6	----	45.0	----
SY Fleming	44.8	-	49.1	-	44.8	---	45.8	--	42.8	--
Tarraco	50.3	-----	54.1	-----	50.5	-----	49.3	----	48.2	-----
LG 32257	44.5	-	49.4	-	44.0	--	46.1	--	41.6	-
Pilgrim	49.2	-----	52.5	-----	46.3	----	50.4	-----	47.8	-----
-Bezugsgrösse(n)	50.0	-----	52.0	----	49.2	-----	51.8	-----	48.2	-----
Versuchs-Mittel	48.4	-----	52.2	----	47.3	-----	49.7	-----	46.9	-----
VK [%]	5.9		4.7		4.8		5.5		4.4	
KGD (5%)	1.9		4.0		3.7		4.5		3.4	
KGD (1%)	2.5		5.4		5.0		6.0		4.5	
Versuchs-Streuung	2.9		2.4		2.3		2.7		2.1	
FG Fehlerterm	265.0		46.0		41.0		44.0		46.0	
Anz. Beob.	18.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	2188.1	23	11.61	***	1.57	0.0000
Anbauorte	1642.1	5	40.06	***	2.25	0.0000
WW Verf.*Anb.Orte	1400.2	115	1.49	ns	1.29	
Fehler	2172.3	265				
Insgesamt	7402.8	408				

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
ES Katamaran	49.1 -----	52.4 -----
DKC 3400	48.0 -----	48.9 -----
KWS Chiasso	51.2 -----	45.4 ----
KWS Arturello	51.2 -----	52.7 -----
P8436	48.5 -----	44.8 ----
EX3426	44.2 ---	41.6 -
Wakefield	45.2 ----	48.6 -----
Amalkeo	44.9 ----	50.4 -----
KXC3346	43.6 ---	44.9 ----
SU Hampton	47.5 -----	44.7 ----
(Cigaluxx)	41.1 -	42.2 --
Gandolf	53.6 -----	48.6 -----
KXC3310	51.7 -----	47.9 -----
KXC4206	52.1 -----	48.8 -----
KXC4311	53.3 -----	47.2 -----
1084F587-01	49.3 -----	44.6 ----
P83462	44.8 ----	46.4 -----
LID1244C	49.5 -----	45.1 ----
Prestimo	46.6 ----	49.0 -----
SB1983	45.1 ----	43.4 ---
SY Fleming	42.7 --	43.6 ---
Tarraco	48.2 -----	51.6 -----
LG 32257	44.9 ----	41.0 -
Pilgrim	49.3 -----	48.8 -----
-Bezugsgrösse(n)	50.1 -----	48.9 -----
Versuchs-Mittel	47.7 -----	46.8 -----
VK [%]	8.0	7.4
KGD (5%)	6.3	5.7
KGD (1%)	8.4	7.6
Versuchs-Streuung	3.8	3.4
FG Fehlerterm	44.0	44.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel		8046 Reckenholz ZH		8566 Ellighausen TG	
ES Katamaran	0.6	-	1.2	-	0.0	-
DKC 3400	2.3	-	4.7	-	0.0	-
KWS Chiasso	0.3	-	0.6	-	0.0	-
KWS Arturello	0.0	-	0.0	-	0.0	-
P8436	1.7	-	3.4	-	0.0	-
EX3426	3.5	--	6.9	--	0.0	-
Wakefield	5.7	---	10.7	---	0.6	-
Amalkeo	0.9	-	1.8	-	0.0	-
KXC3346	1.4	-	2.8	-	0.0	-
SU Hampton	6.3	---	12.5	---	0.0	-
(Cigaluxx)	4.2	--	8.4	--	0.0	-
Gandolf	28.4	-----	54.2	-----	2.6	----
KXC3310	1.4	-	2.8	-	0.0	-
KXC4206	20.6	-----	33.4	-----	7.8	-----
KXC4311	1.4	-	2.9	-	0.0	-
1084F587-01	3.3	--	6.6	--	0.0	-
P83462	0.3	-	0.6	-	0.0	-
LID1244C	0.3	-	0.6	-	0.0	-
Prestimo	3.7	--	7.3	--	0.0	-
SB1983	1.9	-	3.9	-	0.0	-
SY Fleming	7.4	---	13.7	---	1.1	--
Tarraco	7.2	---	14.3	---	0.0	-
LG 32257	8.9	----	17.8	----	0.0	-
Pilgrim	2.4	-	4.8	-	0.0	-
-Bezugsgrösse(n)	0.4	-	0.9	-	0.0	-
Versuchs-Mittel	4.8	--	9.0	--	0.5	-
VK [%]	78.7		57.2		282.6	
KGD (5%)	4.3		8.5		2.4	
KGD (1%)	5.7		11.3		3.1	
Versuchs-Streuung	3.7		5.1		1.4	
FG Fehlerterm	90.0		44.0		46.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	6149.4	23	19.12 ***	1.65	0.0000
Anbauorte	2592.8	1	185.38 ***	3.94	0.0000
WW Verf.*Anb.Orte	4258.8	23	13.24 ***	1.65	0.0000
Fehler	1258.8	90			
Insgesamt	14259.7	137			

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

Verfahren	Seriemittel		8046 Reckenholz ZH		8566 Ellighausen TG	
ES Katamaran	1.5	---	1.8	-----	1.3	--
DKC 3400	0.3	-	0.6	---	0.0	-
KWS Chiasso	0.8	--	1.1	-----	0.6	-
KWS Arturello	0.3	-	0.6	---	0.0	-
P8436	0.3	-	0.6	---	0.0	-
EX3426	0.3	-	0.5	---	0.0	-
Wakefield	6.0	-----	0.7	---	11.3	-----
Amalkeo	0.0	-	0.0	-	0.0	-
KXC3346	0.6	--	1.1	-----	0.0	-
SU Hampton	1.1	---	1.1	-----	1.2	--
(Cigaluxx)	0.0	-	0.0	-	0.0	-
Gandolf	1.4	---	1.7	-----	1.0	--
KXC3310	1.2	---	2.3	-----	0.0	-
KXC4206	0.9	--	1.7	-----	0.0	-
KXC4311	1.9	----	0.5	---	3.3	----
1084F587-01	0.3	-	0.0	-	0.6	-
P83462	2.9	-----	1.1	-----	4.6	-----
LID1244C	2.0	----	1.2	-----	2.8	---
Prestimo	0.3	-	0.5	---	0.0	-
SB1983	0.3	-	0.0	-	0.5	-
SY Fleming	0.8	--	0.0	-	1.6	--
Tarraco	0.8	--	0.5	---	1.1	--
LG 32257	0.0	-	0.0	-	0.0	-
Pilgrim	0.3	-	0.6	---	0.0	-
-Bezugsgrösse(n)	1.2	---	1.4	-----	0.9	-
Versuchs-Mittel	1.0	--	0.8	----	1.2	--
VK [%]	292.6		158.2		322.9	
KGD (5%)	ns		ns		ns	
KGD (1%)	ns		ns		ns	
Versuchs-Streuung	2.9		1.2		4.0	
FG Fehlerterm	90.0		46.0		44.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	228.1	23	1.15	ns	1.65	0.3128
Anbauorte	8.3	1	0.96	ns	3.94	0.3302
WW Verf.*Anb.Orte	217.9	23	1.10	ns	1.65	0.3642
Fehler	777.1	90				
Insgesamt	1231.3	137				

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel		8046 Reckenholz ZH		8566 Ellighausen TG	
ES Katamaran	0.3	-	0.6	---	0.0	-
DKC 3400	0.0	-	0.0	-	0.0	-
KWS Chiasso	0.0	-	0.0	-	0.0	-
KWS Arturello	0.3	-	0.0	-	0.5	-
P8436	12.1	-----	0.0	-	24.2	-----
EX3426	1.4	--	0.0	-	2.8	--
Wakefield	1.0	-	0.7	---	1.3	-
Amalkeo	0.0	-	0.0	-	0.0	-
KXC3346	0.3	-	0.6	---	0.0	-
SU Hampton	4.6	----	2.3	-----	6.9	---
(Cigaluxx)	3.8	----	0.0	-	7.6	----
Gandolf	4.1	----	1.3	-----	7.0	---
KXC3310	0.3	-	0.6	---	0.0	-
KXC4206	0.3	-	0.5	---	0.0	-
KXC4311	0.3	-	0.6	---	0.0	-
1084F587-01	0.3	-	0.6	---	0.0	-
P83462	1.5	--	1.8	-----	1.2	-
LID1244C	3.5	----	0.6	---	6.5	---
Prestimo	0.3	-	0.5	---	0.0	-
SB1983	0.0	-	0.0	-	0.0	-
SY Fleming	0.0	-	0.0	-	0.0	-
Tarraco	0.3	-	0.0	-	0.6	-
LG 32257	0.9	-	1.8	-----	0.0	-
Pilgrim	11.6	-----	0.0	-	23.3	-----
-Bezugsgrösse(n)	0.1	-	0.3	--	0.0	-
Versuchs-Mittel	2.0	--	0.5	---	3.4	--
VK [%]	163.3		239.7		129.2	
KGD (5%)	3.7		ns		7.2	
KGD (1%)	4.9		ns		9.7	
Versuchs-Streuung	3.2		1.2		4.4	
FG Fehlerterm	90.0		46.0		44.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1571.9	23	6.66 ***	1.65	0.0000
Anbauorte	301.4	1	29.35 ***	3.94	0.0000
WW Verf.*Anb.Orte	1634.0	23	6.92 ***	1.65	0.0000
Fehler	924.1	90			
Insgesamt	4431.3	137			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	2.5	--	2.3	--	2.6	---	2.0	---	3.0	----
DKC 3400	2.7	---	2.3	--	2.3	--	3.3	-----	2.7	---
KWS Chiasso	3.1	-----	2.7	----	3.5	-----	4.0	-----	2.3	--
KWS Arturello	3.0	-----	2.7	----	2.6	----	3.7	-----	3.0	----
P8436	3.4	-----	2.3	--	3.2	-----	4.7	-----	3.3	-----
EX3426	3.0	-----	2.3	--	2.5	---	4.3	-----	3.0	----
Wakefield	2.9	----	2.3	--	2.7	----	4.0	-----	2.7	---
Amalkeo	3.4	-----	2.7	----	3.3	-----	4.7	-----	3.0	----
KXC3346	2.9	----	2.3	--	3.7	-----	3.0	----	2.7	---
SU Hampton	2.9	----	2.0	-	3.1	-----	2.0	---	4.7	-----
(Cigaluxx)	3.8	-----	4.0	-----	4.2	-----	4.0	-----	3.0	----
Gandolf	3.1	-----	2.0	-	2.5	---	4.7	-----	3.3	-----
KXC3310	3.3	-----	2.7	----	2.5	---	4.0	-----	4.0	-----
KXC4206	2.7	----	2.7	----	3.0	----	3.0	----	2.0	-
KXC4311	2.8	----	3.3	-----	2.0	-	3.0	----	2.7	---
1084F587-01	2.4	--	3.0	-----	3.1	-----	1.0	-	2.7	---
P83462	2.9	----	2.7	----	2.3	--	3.7	-----	3.0	----
LID1244C	2.8	----	4.0	-----	2.8	----	2.3	----	2.0	-
Prestimo	3.2	-----	2.7	----	2.6	---	4.7	-----	3.0	----
SB1983	3.0	-----	3.7	-----	3.7	-----	1.0	-	3.7	-----
SY Fleming	3.2	-----	3.3	-----	2.7	----	4.3	-----	2.3	--
Tarraco	2.2	-	2.0	-	2.1	-	2.7	----	2.0	-
LG 32257	2.7	----	2.3	--	2.7	----	3.3	-----	2.3	--
Pilgrim	2.8	----	2.0	-	2.1	-	3.3	-----	3.7	-----
-Bezugsgrösse(n)	2.8	----	2.5	---	3.0	-----	3.0	-----	2.7	---
Versuchs-Mittel	2.9	-----	2.7	----	2.8	----	3.4	-----	2.9	----
VK [%]	19.4		16.5		12.9		23.8		19.3	
KGD (5%)	0.5		0.7		0.6		1.3		0.9	
KGD (1%)	0.6		1.0		0.8		1.8		1.2	
Versuchs-Streuung	0.6		0.4		0.4		0.8		0.6	
FG Fehlerterm	173.0		44.0		41.0		44.0		44.0	
Anz. Beob.	12.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	33.9	23	4.54 ***	1.59	0.0000
Anbauorte	18.7	3	19.18 ***	2.66	0.0000
WW Verf.*Anb.Orte	122.3	69	5.46 ***	1.38	0.0000
Fehler	56.2	173			
Insgesamt	231.1	268			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	1.1	-	1.1	-	1.4	---	4.2	-----	0.4	-
DKC 3400	4.7	----	7.5	-----	3.2	----	0.7	--	1.1	-
KWS Chiasso	1.4	--	1.2	-	1.0	---	0.7	--	4.4	--
KWS Arturello	2.7	---	9.3	-----	6.3	-----	0.0	-	0.3	-
P8436	3.6	---	9.5	-----	7.5	-----	0.7	--	1.8	-
EX3426	4.6	----	9.2	-----	4.6	----	1.0	--	2.4	-
Wakefield	0.3	-	2.7	--	-5.2	-	0.0	-	1.7	-
Amalkeo	3.5	---	5.8	----	6.0	-----	0.0	-	2.2	-
KXC3346	3.1	---	10.3	-----	4.0	----	0.3	-	2.1	-
SU Hampton	3.8	---	14.2	-----	0.1	---	2.2	----	3.6	--
(Cigaluxx)	4.7	----	8.3	-----	4.5	----	1.1	--	3.6	--
Gandolf	2.2	--	4.7	---	3.4	----	0.7	--	4.6	--
KXC3310	2.0	--	4.0	---	1.5	---	1.4	---	3.0	--
KXC4206	12.4	-----	7.7	-----	6.0	-----	6.1	-----	31.5	-----
KXC4311	0.4	-	1.5	-	-0.7	--	0.0	-	0.3	-
1084F587-01	1.1	-	1.4	-	1.3	---	0.7	--	0.7	-
P83462	1.1	-	2.1	-	-1.6	--	0.4	-	0.0	-
LID1244C	2.5	--	1.1	-	4.2	----	0.0	-	2.3	-
Prestimo	1.5	--	3.8	---	2.8	---	0.0	-	1.1	-
SB1983	6.5	-----	7.3	-----	22.8	-----	0.0	-	3.5	--
SY Fleming	1.3	-	4.0	---	0.8	---	0.0	-	1.1	-
Tarraco	2.3	--	4.7	---	1.9	---	1.4	---	2.2	-
LG 32257	1.4	--	2.2	-	5.2	----	0.0	-	2.6	-
Pilgrim	1.9	--	3.5	--	3.4	----	0.0	-	4.3	--
-Bezugsgrösse(n)	1.3	-	1.1	-	1.2	---	2.5	----	2.4	-
Versuchs-Mittel	2.9	---	5.3	----	3.5	----	0.9	--	3.4	--
VK [%]	118.8		83.2		152.2		239.5		90.8	
KGD (5%)	2.1		7.2		8.8		ns		5.0	
KGD (1%)	2.8		ns		ns		ns		6.7	
Versuchs-Streuung	3.5		4.4		5.4		2.2		3.1	
FG Fehlerterm	311.0		44.0		41.0		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	3126.3	23	11.26 ***	1.56	0.0000
Anbauorte	1430.3	6	19.75 ***	2.13	0.0000
WW Verf.*Anb.Orte	5989.8	138	3.60 ***	1.26	0.0000
Fehler	3753.8	311			
Insgesamt	14300.2	478			

Charbon [%] / Beulenbrand [%]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
ES Katamaran	0.0 -	0.0 -	0.6 -
DKC 3400	0.0 -	19.2 -----	1.1 -
KWS Chiasso	0.0 -	0.6 -	2.3 -
KWS Arturello	0.0 -	1.1 -	1.7 -
P8436	0.6 --	0.0 -	5.2 --
EX3426	3.3 -----	5.1 ---	6.8 ---
Wakefield	0.0 -	0.0 -	3.1 --
Amalkeo	0.0 -	2.3 --	8.1 ---
KXC3346	0.6 --	1.2 -	2.8 --
SU Hampton	1.2 ---	0.6 -	4.7 --
(Cigaluxx)	1.1 ---	2.4 --	11.7 -----
Gandolf	0.0 -	0.6 -	1.6 -
KXC3310	0.6 --	0.0 -	3.9 --
KXC4206	5.5 -----	0.5 -	29.8 -----
KXC4311	1.1 ---	0.6 -	0.0 -
1084F587-01	0.0 -	0.6 -	2.9 --
P83462	1.2 ---	1.2 -	4.1 --
LID1244C	0.0 -	0.0 -	9.9 ----
Prestimo	0.0 -	2.4 --	0.6 -
SB1983	2.2 -----	2.3 --	7.2 ---
SY Fleming	0.0 -	0.0 -	3.4 --
Tarraco	1.7 ----	1.2 -	2.9 --
LG 32257	0.0 -	0.0 -	0.0 -
Pilgrim	0.0 -	0.0 -	2.3 -
-Bezugsgrösse(n)	0.0 -	0.3 -	1.5 -
Versuchs-Mittel	0.8 --	1.7 --	4.8 --
VK [%]	240.9	163.1	73.1
KGD (5%)	ns	4.7	5.8
KGD (1%)	ns	6.2	7.8
Versuchs-Streuung	1.9	2.8	3.5
FG Fehlerterm	46.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

Fusariose sur épi [note] / Fusarien auf dem Kolben [Note]

Verfahren	Seriemittel		8194 Hüntwangen ZH		8566 Ellighausen TG	
ES Katamaran	1.4	-----	1.3	----	1.5	-----
DKC 3400	1.2	--	1.1	-	1.2	---
KWS Chiasso	1.3	----	1.2	---	1.3	----
KWS Arturello	1.2	---	1.2	---	1.1	--
P8436	1.2	---	1.3	----	1.1	--
EX3426	1.1	-	1.1	-	1.0	-
Wakefield	1.1	-	1.1	-	1.1	-
Amalkeo	1.1	--	1.1	-	1.2	---
KXC3346	1.2	---	1.3	----	1.1	--
SU Hampton	1.2	--	1.3	-----	1.0	-
(Cigaluxx)	1.2	--	1.2	---	1.1	--
Gandolf	1.1	-	1.1	-	1.1	--
KXC3310	1.3	----	1.3	----	1.3	---
KXC4206	1.2	---	1.2	--	1.2	---
KXC4311	1.3	----	1.4	-----	1.2	--
1084F587-01	1.4	-----	1.3	-----	1.4	-----
P83462	1.2	---	1.1	-	1.3	---
LID1244C	1.1	-	1.2	--	1.0	-
Prestimo	1.4	-----	1.5	-----	1.3	---
SB1983	1.7	-----	1.7	-----	1.7	-----
SY Fleming	1.3	----	1.5	-----	1.0	-
Tarraco	1.6	-----	1.3	----	1.9	-----
LG 32257	1.5	-----	1.2	--	1.8	-----
Pilgrim	1.3	-----	1.6	-----	1.1	-
-Bezugsgrösse(n)	1.3	-----	1.3	----	1.4	-----
Versuchs-Mittel	1.3	----	1.3	----	1.2	---
VK [%]	21.3		22.5		19.8	
KGD (5%)	0.3		ns		0.4	
KGD (1%)	0.4		ns		0.5	
Versuchs-Streuung	0.3		0.3		0.2	
FG Fehlerterm	90.0		46.0		44.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3.8	23	2.30 **	1.65	0.0029
Anbauorte	0.0	1	0.43 ns	3.94	0.5157
WW Verf.*Anb.Orte	2.5	23	1.53 ns	1.65	0.0824
Fehler	6.5	90			
Insgesamt	12.8	137			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
ES Katamaran	8.6 -----	8.9 -----	8.6 -----	9.4 -----	9.0 -----
DKC 3400	8.8 -----	8.9 -----	8.8 -----	9.2 -----	9.3 -----
KWS Chiasso	8.6 -----	8.7 -----	8.0 -----	9.4 -----	9.2 -----
KWS Arturello	8.8 -----	9.0 -----	8.6 -----	9.5 -----	9.3 -----
P8436	8.4 -----	8.8 -----	7.7 -----	9.1 -----	9.1 -----
EX3426	8.9 -----	9.3 -----	8.8 -----	9.6 -----	8.8 -----
Wakefield	7.6 -	8.3 --	7.0 -	7.5 -	7.8 -
Amalkeo	8.7 -----	9.0 -----	8.7 -----	9.4 -----	9.0 -----
KXC3346	8.8 -----	9.1 -----	7.8 -----	9.5 -----	9.3 -----
SU Hampton	8.5 -----	8.5 -----	8.0 -----	9.0 -----	9.0 -----
(Cigaluxx)	8.8 -----	8.9 -----	8.4 -----	9.3 -----	9.6 -----
Gandolf	8.7 -----	9.2 -----	7.7 -----	9.6 -----	8.7 -----
KXC3310	8.7 -----	9.1 -----	8.0 -----	9.4 -----	8.9 -----
KXC4206	8.8 -----	9.1 -----	8.6 -----	9.3 -----	8.7 -----
KXC4311	9.0 -----	9.2 -----	9.0 -----	9.4 -----	9.7 -----
1084F587-01	8.8 -----	9.4 -----	8.1 -----	9.3 -----	9.2 -----
P83462	7.9 ---	8.0 -	7.3 ---	8.1 ---	7.8 -
LID1244C	8.6 -----	9.1 -----	8.6 -----	9.2 -----	8.7 -----
Prestimo	8.8 -----	9.6 -----	9.0 -----	9.5 -----	8.7 -----
SB1983	9.0 -----	9.5 -----	8.4 -----	9.6 -----	9.6 -----
SY Fleming	8.9 -----	9.1 -----	8.6 -----	9.5 -----	9.3 -----
Tarraco	8.8 -----	9.5 -----	8.3 -----	9.3 -----	9.0 -----
LG 32257	8.7 -----	9.1 -----	8.9 -----	9.4 -----	9.1 -----
Pilgrim	8.5 -----	8.8 -----	8.2 -----	9.3 -----	8.2 ---
-Bezugsgrösse(n)	8.6 -----	8.8 -----	8.3 -----	9.4 -----	9.1 -----
Versuchs-Mittel	8.7 -----	9.0 -----	8.3 -----	9.3 -----	9.0 -----
VK [%]	5.0	4.4	7.5	2.8	5.8
KGD (5%)	0.3	0.7	1.0	0.4	0.9
KGD (1%)	0.3	0.9	ns	0.6	1.2
Versuchs-Streuung	0.4	0.4	0.6	0.3	0.5
FG Fehlerterm	315.0	44.0	41.0	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	48.0	23	11.29 ***	1.56	0.0000
Anbauorte	72.3	6	65.22 ***	2.13	0.0000
WW Verf.*Anb.Orte	31.1	138	1.22 ns	1.26	
Fehler	58.2	315			
Insgesamt	209.6	482			

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

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
ES Katamaran	8.1 -----	8.3 -----	7.9 --
DKC 3400	8.4 -----	8.1 -----	8.7 -----
KWS Chiasso	8.8 -----	7.9 ---	8.5 -----
KWS Arturello	8.5 -----	8.2 -----	8.6 -----
P8436	8.2 -----	7.9 ---	8.4 -----
EX3426	8.4 -----	8.5 -----	8.6 -----
Wakefield	7.2 -	7.6 -	7.6 -
Amalkeo	8.5 -----	8.3 -----	8.2 ----
KXC3346	8.7 -----	8.4 -----	8.5 -----
SU Hampton	8.5 -----	8.4 -----	8.1 ---
(Cigaluxx)	8.5 -----	8.6 -----	8.6 -----
Gandolf	8.3 -----	8.3 -----	9.1 -----
KXC3310	8.5 -----	8.2 -----	8.7 -----
KXC4206	8.8 -----	8.4 -----	8.6 -----
KXC4311	8.6 -----	8.4 -----	8.8 -----
1084F587-01	8.7 -----	8.5 -----	8.5 -----
P83462	8.0 ----	7.7 --	8.6 -----
LID1244C	8.1 -----	8.3 -----	8.4 ----
Prestimo	8.6 -----	8.1 -----	8.4 ----
SB1983	8.9 -----	8.4 -----	8.7 -----
SY Fleming	8.5 -----	8.6 -----	8.5 -----
Tarraco	8.5 -----	8.3 -----	8.5 -----
LG 32257	8.4 -----	7.9 ----	8.3 ----
Pilgrim	8.2 -----	8.4 -----	8.3 ----
-Bezugsgrösse(n)	8.4 -----	8.1 -----	8.2 ----
Versuchs-Mittel	8.4 -----	8.2 -----	8.4 -----
VK [%]	4.3	5.2	3.9
KGD (5%)	0.6	ns	0.5
KGD (1%)	0.8	ns	0.7
Versuchs-Streuung	0.4	0.4	0.3
FG Fehlerterm	46.0	46.0	46.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	165.5	---	154.0	-	184.3	----	159.0	----	170.5	----
DKC 3400	166.5	----	165.3	----	184.6	----	160.7	----	195.2	-----
KWS Chiasso	166.7	----	151.9	-	189.9	-----	159.7	----	183.1	-----
KWS Arturello	164.2	--	174.5	-----	161.8	-	148.0	-	180.7	-----
P8436	173.0	-----	185.5	-----	195.1	-----	169.6	-----	173.9	----
EX3426	163.8	--	178.3	-----	177.9	---	156.2	--	171.9	----
Wakefield	168.3	----	176.0	-----	181.9	----	173.8	-----	177.9	----
Amalkeo	170.2	-----	170.6	----	173.4	--	165.7	-----	183.0	-----
KXC3346	174.5	-----	173.6	----	183.2	----	165.5	-----	188.3	-----
SU Hampton	173.5	-----	194.2	-----	186.5	----	182.6	-----	154.9	-
(Cigaluxx)	161.1	-	152.3	-	183.9	----	161.7	----	172.7	----
Gandolf	165.6	----	163.1	---	200.7	-----	160.4	----	175.9	-----
KXC3310	165.0	---	172.5	----	178.6	----	162.5	-----	171.6	----
KXC4206	170.8	-----	164.2	---	186.9	----	167.7	-----	190.9	-----
KXC4311	171.1	-----	171.8	----	167.0	--	181.1	-----	194.9	-----
1084F587-01	168.9	-----	172.4	----	188.4	----	150.8	-	181.9	-----
P83462	176.3	-----	171.7	----	208.3	-----	170.3	-----	183.9	-----
LID1244C	170.6	-----	164.2	----	183.4	----	173.2	-----	184.5	-----
Prestimo	165.9	----	168.8	----	166.5	--	157.8	---	180.6	-----
SB1983	166.6	----	164.9	----	191.7	-----	157.7	---	169.0	----
SY Fleming	171.7	-----	171.6	----	178.4	----	164.1	-----	189.0	-----
Tarraco	170.4	-----	177.9	-----	202.0	-----	163.2	----	168.4	----
LG 32257	165.4	---	162.5	---	168.5	--	152.8	--	172.3	----
Pilgrim	173.3	-----	167.0	----	178.4	----	164.8	-----	184.0	-----
-Bezugsgrösse(n)	166.1	----	153.0	-	187.1	-----	159.4	----	176.8	-----
Versuchs-Mittel	168.7	-----	169.5	----	183.4	----	163.7	-----	179.1	-----
VK [%]	7.7		5.2		10.2		8.5		6.3	
KGD (5%)	7.9		14.6		ns		ns		18.5	
KGD (1%)	10.4		19.5		ns		ns		ns	
Versuchs-Streuung	13.0		8.9		18.6		13.9		11.2	
FG Fehlerterm	307.0		44.0		41.0		46.0		42.0	
Anz. Beob.	21.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	7334.9	23	1.89	**	1.57	0.0089
Anbauorte	42528.7	6	42.06	***	2.13	0.0000
WW Verf.*Anb.Orte	39020.8	138	1.68	ns	1.26	
Fehler	51734.2	307				
Insgesamt	140618.7	474				

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

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
ES Katamaran	147.8 ----	159.4 ---	183.6 -----
DKC 3400	157.4 -----	146.2 -	156.0 ----
KWS Chiasso	147.6 ----	157.7 ---	177.1 -----
KWS Arturello	161.7 -----	172.3 -----	150.6 ----
P8436	159.3 -----	162.5 ----	165.4 -----
EX3426	151.5 ----	175.4 -----	135.6 -
Wakefield	156.5 -----	159.4 ---	152.6 ----
Amalkeo	163.4 -----	169.7 -----	165.9 -----
KXC3346	163.6 -----	182.4 -----	164.8 -----
SU Hampton	168.9 -----	176.3 -----	151.2 ----
(Cigaluxx)	142.5 --	157.3 ---	157.5 ----
Gandolf	137.8 -	160.6 ----	160.3 -----
KXC3310	159.8 -----	158.6 ---	151.6 ----
KXC4206	153.3 ----	169.8 -----	162.6 -----
KXC4311	153.4 ----	169.1 -----	160.5 -----
1084F587-01	164.1 -----	182.9 -----	141.7 --
P83462	170.7 -----	169.4 -----	160.0 -----
LID1244C	161.7 -----	176.9 -----	150.3 ----
Prestimo	164.2 -----	174.8 -----	148.5 ---
SB1983	156.1 ----	163.4 ----	163.3 -----
SY Fleming	157.5 -----	181.5 -----	159.7 -----
Tarraco	157.1 ----	172.7 ----	151.6 ----
LG 32257	160.8 -----	182.9 -----	158.5 ----
Pilgrim	166.0 -----	192.0 -----	160.7 -----
-Bezugsgrösse(n)	147.7 ----	158.5 ---	180.3 -----
Versuchs-Mittel	157.6 -----	169.7 -----	157.9 ----
VK [%]	5.1	4.4	11.5
KGD (5%)	13.3	12.2	ns
KGD (1%)	17.8	16.3	ns
Versuchs-Streuung	8.1	7.4	18.1
FG Fehlerterm	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel		1260 Nyon		1725 Grangeneuve		1896 Vouvry		3065 Habstetten	
ES Katamaran	100.0	---	100.7	-	100.6	-----	99.8	----	96.4	----
DKC 3400	100.8	----	108.1	----	100.8	-----	100.8	----	110.4	-----
KWS Chiasso	100.6	----	99.3	-	103.7	-----	100.2	----	103.6	-----
KWS Arturello	99.9	---	114.1	-----	88.4	-	92.8	-	102.2	-----
P8436	104.9	-----	121.2	-----	106.5	-----	106.4	-----	98.4	----
EX3426	99.6	---	116.6	-----	97.1	----	98.0	---	97.2	----
Wakefield	102.2	-----	115.0	-----	99.3	----	109.1	-----	100.6	-----
Amalkeo	103.3	-----	111.5	----	94.7	---	104.0	-----	103.5	-----
KXC3346	105.9	-----	113.5	-----	100.0	----	103.9	-----	106.5	-----
SU Hampton	105.8	-----	126.9	-----	101.8	-----	114.6	-----	87.6	-
(Cigaluxx)	97.4	-	99.6	-	100.4	----	101.5	----	97.7	----
Gandolf	100.0	---	106.6	---	109.6	-----	100.6	----	99.5	----
KXC3310	100.2	----	112.7	----	97.5	----	101.9	----	97.0	----
KXC4206	103.4	-----	107.4	----	102.1	-----	105.2	-----	108.0	-----
KXC4311	103.8	-----	112.3	----	91.1	--	113.6	-----	110.2	-----
1084F587-01	102.6	-----	112.7	----	102.9	-----	94.6	-	102.9	-----
P83462	106.9	-----	112.2	----	113.7	-----	106.9	-----	104.0	-----
LID1244C	103.6	-----	107.4	----	100.1	----	108.7	-----	104.3	-----
Prestimo	100.9	----	110.4	----	90.9	--	99.0	---	102.1	-----
SB1983	100.9	----	107.8	----	104.7	-----	98.9	---	95.6	----
SY Fleming	104.2	-----	112.2	----	97.4	----	103.0	----	106.9	-----
Tarraco	103.4	-----	116.3	-----	110.3	-----	102.4	----	95.2	----
LG 32257	100.5	----	106.2	---	92.0	--	95.9	--	97.4	----
Pilgrim	105.2	-----	109.1	----	97.4	----	103.4	----	104.1	-----
-Bezugsgrösse(n)	100.3	----	100.0	-	102.1	-----	100.0	----	100.0	-----
Versuchs-Mittel	102.3	-----	110.8	-----	100.1	-----	102.7	-----	101.3	-----
VK [%]	7.4		5.2		10.2		8.5		6.3	
KGD (5%)	4.6		9.6		ns		ns		10.5	
KGD (1%)	6.1		12.8		ns		ns		ns	
Versuchs-Streuung	7.6		5.8		10.2		8.7		6.4	
FG Fehlerterm	307.0		44.0		41.0		46.0		42.0	
Anz. Beob.	21.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	2854.5	23	2.15	**	1.57	0.0019
Anbauorte	24316.6	6	70.37	***	2.13	0.0000
WW Verf.*Anb.Orte	13993.9	138	1.76	***	1.26	0.0008
Fehler	17681.5	307				
Insgesamt	58846.4	474				

Rendement relatif [%] / Relativertrag [%]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
ES Katamaran	100.1 ----	100.5 ---	101.8 -----
DKC 3400	106.6 -----	92.2 -	86.5 ----
KWS Chiasso	99.9 ----	99.5 ---	98.2 -----
KWS Arturello	109.5 -----	108.7 -----	83.5 ----
P8436	107.8 -----	102.5 ----	91.7 -----
EX3426	102.6 ----	110.7 -----	75.2 -
Wakefield	106.0 -----	100.5 ---	84.7 ----
Amalkeo	110.6 -----	107.0 -----	92.0 -----
KXC3346	110.8 -----	115.0 -----	91.4 -----
SU Hampton	114.4 -----	111.2 -----	83.9 ----
(Cigaluxx)	96.5 --	99.2 ---	87.4 ----
Gandolf	93.3 -	101.3 ----	88.9 -----
KXC3310	108.2 -----	100.1 ---	84.1 ----
KXC4206	103.8 ----	107.1 -----	90.2 -----
KXC4311	103.8 ----	106.7 -----	89.0 -----
1084F587-01	111.1 -----	115.4 -----	78.6 --
P83462	115.6 -----	106.8 -----	88.8 -----
LID1244C	109.5 -----	111.6 -----	83.4 ----
Prestimo	111.2 -----	110.3 -----	82.4 ---
SB1983	105.7 ----	103.0 ----	90.6 -----
SY Fleming	106.6 -----	114.5 -----	88.6 -----
Tarraco	106.4 ----	109.0 ----	84.1 ----
LG 32257	108.9 -----	115.3 -----	87.9 ----
Pilgrim	112.4 -----	121.1 -----	89.1 -----
-Bezugsgrösse(n)	100.0 ----	100.0 ---	100.0 -----
Versuchs-Mittel	106.7 -----	107.0 -----	87.6 ----
VK [%]	5.1	4.4	11.5
KGD (5%)	9.0	7.7	ns
KGD (1%)	12.0	10.3	ns
Versuchs-Streuung	5.5	4.7	10.1
FG Fehlerterm	44.0	46.0	44.0
Anz. Beob.	3.0	3.0	3.0

Précocité [% MS] / Fröhreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
ES Katamaran	77.6	85.4	77.4	78.5	73.5
DKC 3400	76.8	86.1	76.7	78.0	76.2
KWS Chiasso	77.1	83.9	75.7	79.4	72.4
KWS Arturello	76.1	83.9	76.8	80.4	71.8
P8436	76.3	84.2	77.4	79.1	73.2
EX3426	76.6	84.7	74.9	80.8	73.2
Wakefield	76.3	84.2	77.1	79.1	71.9
Amalkeo	76.7	84.8	77.9	78.9	72.7
KXC3346	76.3	82.9	76.1	79.2	71.0
SU Hampton	75.3	83.3	76.7	78.5	72.1
(Cigaluxx)	76.5	85.2	76.8	78.4	70.2
Gandolf	77.0	84.3	77.4	80.3	71.8
KXC3310	76.2	84.8	75.4	79.3	71.9
KXC4206	75.4	81.9	78.1	78.8	69.1
KXC4311	76.7	84.7	75.8	80.6	70.6
1084F587-01	75.3	85.1	76.2	80.1	69.6
P83462	76.4	84.5	77.3	78.8	72.1
LID1244C	76.0	85.4	76.9	76.5	71.5
Prestimo	75.3	83.6	77.0	80.3	69.5
SB1983	76.5	83.1	77.7	79.5	70.6
SY Fleming	74.7	82.1	75.4	80.8	69.1
Tarraco	73.7	83.4	75.0	80.1	66.5
LG 32257	75.4	82.4	78.1	78.4	69.8
Pilgrim	72.5	78.3	77.8	74.6	68.4
-Bezugsgrösse(n)	77.4	84.7	76.5	79.0	72.9
Versuchs-Mittel	76.0	83.8	76.7	79.1	71.2
VK [%]	1.9	0.5	2.2	2.0	3.4
KGD (5%)	0.9	0.6	ns	2.6	4.0
KGD (1%)	1.1	0.9	ns	3.5	ns
Versuchs-Streuung	1.4	0.4	1.7	1.6	2.4
FG Fehlerterm	306.0	44.0	41.0	44.0	43.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	607.4	23	13.28 ***	1.57	0.0000
Anbauorte	10422.9	6	873.85 ***	2.13	0.0000
WW Verf.*Anb.Orte	909.0	138	3.31 ***	1.26	0.0000
Fehler	608.3	306			
Insgesamt	12547.6	473			

Précocité [% MS] / Frühereife [% TS]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
ES Katamaran	77.3 -----	80.0 -----	71.1 -----
DKC 3400	76.7 -----	76.1 -----	68.0 -----
KWS Chiasso	77.3 -----	78.0 -----	73.0 -----
KWS Arturello	75.4 -----	74.9 ----	69.2 -----
P8436	74.7 -----	76.2 -----	69.5 -----
EX3426	76.9 -----	77.7 -----	68.1 -----
Wakefield	76.7 -----	77.8 -----	67.6 -----
Amalkeo	74.8 -----	76.8 -----	71.3 -----
KXC3346	76.5 -----	75.9 -----	72.8 -----
SU Hampton	74.5 -----	74.4 ----	67.7 -----
(Cigaluxx)	76.2 -----	77.4 -----	71.1 -----
Gandolf	75.7 -----	76.9 -----	72.4 -----
KXC3310	76.3 -----	77.3 -----	68.7 -----
KXC4206	75.0 -----	74.2 ---	70.7 -----
KXC4311	77.0 -----	78.3 -----	69.6 -----
1084F587-01	74.9 -----	77.0 -----	64.2 ---
P83462	75.5 -----	77.0 -----	69.8 -----
LID1244C	76.5 -----	77.8 -----	67.4 -----
Prestimo	74.5 -----	75.0 ----	66.9 -----
SB1983	76.0 -----	76.5 -----	71.8 -----
SY Fleming	74.3 -----	74.7 ----	66.4 -----
Tarraco	73.4 -----	75.8 -----	62.0 -
LG 32257	74.8 -----	74.9 ----	69.2 -----
Pilgrim	70.4 -	72.1 -	66.0 ----
-Bezugsgrösse(n)	77.3 -----	79.0 -----	72.1 -----
Versuchs-Mittel	75.5 -----	76.4 -----	68.9 -----
VK [%]	1.0	1.2	1.7
KGD (5%)	1.2	1.5	1.9
KGD (1%)	1.6	1.9	2.5
Versuchs-Streuung	0.7	0.9	1.1
FG Fehlerterm	46.0	44.0	44.0
Anz. Beob.	3.0	3.0	3.0

4.3 Serie mittelspät / Série mi-tardive

4.3.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2025	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	28.04.2025	16.10.2025
1567	Delley (Avenches)	432	02.05.2025	10.11.2025
1896	Vouvry	404	30.04.2025	10.11.2025
3065	Habstetten	680	15.05.2025	13.11.2025
8046	Reckenholz	440	28.04.2025	13.11.2025
8194	Hüntwangen	384	30.04.2025	06.11.2025
8566	Ellighausen	503	13.05.2025	31.10.2025
9465	Salez	445	15.05.2025	01.11.2025

4.3.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P9903	X00C209	SC	Pioneer	Pioneer, Versoix	KM41/S+KM31/S	
P8834	X90M326	SC	Pioneer	Pioneer, Versoix	KM21/S	
SY Fregat	SB1497	SC	Syngenta, CH	Syngenta, Stein	KM21/S	
DKC 3595	ES3595	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM21/S	
Akanto	X85P736	SC	DSV, D	Fenaco, Moudon	KM21/S	
Pilgrim	GL187009	SC	SZG, A	E. Schweizer AG, Thun	KM21/S	
P8902	1090A299-01	SC	Pioneer	Pioneer, Versoix	KM31/S	
DKC 4042	EX4052	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM21/e2	
RGT Peterxxon	RH22026	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e2	
	SB1653	SC	Syngenta, CH	Syngenta, Stein	KM21/e2	
	LZM273/14	SC	Limagrain, Europe	Fenaco, Moudon	KM21/e1	
DKC3940	EX3949	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM21/e1	
DKC3747	EX3950	SC	Monsanto, USA	Bayer CropScience Schweiz AG, Basel	KM21/e1	
Interactis	EW3944	SC	MAS Seeds	Samen Steffen, Wikon	KM21/e1	
	RH24024	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e1	
	RH24021	SC	RAGT 2n, F	Fenaco, Moudon	KM21/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
	KXC4315	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	
	KXC4317	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	
	KXC4318	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	
P89699	1089D489-01	SC	Pioneer	Pioneer, Versoix	KM21/e1	SM21/e1
	SB2163	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21/e1
	SA1934	SC	Syngenta, CH	Syngenta, Stein	KM21/e1	SM21/e1

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

Technische Versuchsangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (408 m ü.M.)	Avenches (432 m ü.M.)	Vouvry (404 m ü.M.)	Habsteten (620 m ü.M.)	Reckenholz (384 m ü.M.)	Huntwangen (384 m ü.M.)	Ellighausen (503 m ü.M.)	Salez (445 m ü.M.)	
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Limono sableux (argile 10-20%) - MO 2,7 % - CaCO3 total 4,9 % pH 8,1)	Sandiger Lehm pH 6,4	Parabraunerde	Braunerde, tiefergründig, sandiger Lehm	Braunerde	lehmreicher Sand - lehmiger Schluff	
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfall (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):	402,6 mm (Météostation Changins) 2083,8 °C (Météostation Changins) Irrigation: 25.06.2025 30 mm 02.07.2025 30 mm 09.07.2025 30 mm	639,3 mm (selon AgroMeteo, station Delley) 1971,8 °C (selon AgroMeteo, station Delley)	620 mm (selon météo Suisse, station Age) 2020,85 °C (selon météo Suisse, station Age)	687,4 mm (Météostation Zolwil) 1803,1 °C (Météostation Zolwil)	694,1 mm (Météostation Reckenholz) 1944,15 °C (Météostation Reckenholz)	691,1 mm (Agrometeo Wil-ZH) 1948,8 °C (Agrometeo Wil-ZH)	592 mm (Agrometeo Ellighausen) 1816,1 °C (Agrometeo Salez)	831,7 mm (Agrometeo Salez) 1816,1 °C (Agrometeo Salez)	
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 repetitions. Parzellengröße / grandeur d'une parcelle / plot size:	Semé: 17 m ² par parcelle (fort avec chemin d'environ 1,1 m). 34,4 m ² net, 4 rangs Récolté: 8,5 m ² par parcelle (fort avec chemin), 7,2 m ² net, 2 rangs au milieu		4 reihig, mit 1,33m Weg (20 m ² brutto), 10m ² netto	4 reihig, mit 1,33m Weg (20 m ² brutto), 10m ² netto	15m ² pro Plot brutto (deihig, mit 0,8m Weg), 6,3m ² netto	15m ² pro Plot brutto (deihig, mit 0,8m Weg), 6,3m ² netto	15m ² pro Plot brutto (deihig, mit 0,8m Weg), 6,3m ² netto	15m ² pro Plot brutto (deihig, mit 0,8m Weg), 6,3m ² netto	
Vorrucht / précédent cultural / previous crop:	bile printemps + engrais vert / Sommerweizen + Gründüngung	Colza / EV Phacélie	bettrevaves à sucre	orge	Prairie temporaire / Kunstwiese / temporary grassland	Weizen, Gründüngung: UFA Lepha	Raps / Gründüngung: Stiefen Terra Green Frigo	Prairie temporaire / Kunstwiese 230 / temporary grassland	
Bodenbearbeitung / travail du sol / soil cultivation:	25.03.2025 cultivateur pattes d'oies 25.04.2025 vibroculteur 28.04.2025 herse rotative	08.11.24 de compactage, 30.04.25 Herse rotative	Labour 28.04.2025, Herse rotative 28.04.2025		16.04.25 Pflug, 27.04.25 Kreiselegge	20.03.25 Grubber, 28.04.25 Kreiselegge	03.04.25 Gründüngung Mulchen, 04.04.25 Pflügen, 04.04.25 Walzen gegen Austrocknung Saatbeet	03.05.25 Pflug, 06.05.25 Kreiselegge	
Saat / date de semis / sowing date:	28.04.2025 (jour 119)	02.05.2025	30.04.2025 (jour 120)	15.05.2025 (jour 135)	28.04.2025	30.04.2025	13.05.2025	15.05.2025	
Ernte / date de récolte / harvest date:	16.10.2025 (jour 288)	10.11.2025	10.11.2025 (jour 314)	13.11.2025 (jour 317)	13.11.2025	06.11.2025	31.10.2025	01.11.2025	
Saatdichte / densité de semis / sowing density:	9,0 Körner / grains pro m ² , éclairci à 8,7 plantes pro m ²	10,9 Körner / grains pro m ² , éclairci à 8,7 plantes pro m ²	9,0 Körner / grains pro m ²	9,0 Körner / grains pro m ²	9,0 Körner / grains pro m ²	9,0 Körner / grains pro m ²	9,0 Körner / grains pro m ²	9,0 Körner / grains pro m ²	
Vegetationsdauer / durée de végétation / growing period	171 Tage / jours / days	192 Tage / jours	194 Tage / jours / days	182 Tage / jours / days	199 Tage / jours / days	190 Tage / jours / days	171 Tage / jours / days	170 Tage / jours / days	
Reihenabstand / interlignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	11.06.25 Hacken kombiniert mit Düngerausbringung	-	-	-	
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	27.05.2025: Equip power 1,25 l / ha Spectrum 1 l / ha	23.05.25: 1,5 l/ha Monsoon + 1,0 l/ha Callisto + 1,2 l/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: 45 l/ha Metarex (nov), 16.05.25: 3 l/ha Pendimethalin SA 400 SC + 1,4 l/ha Spectrum, 30.05.25: 0,2 kg/ha Arrat + 2 l/ha Laudis + 1 l/ha Dash	27.05.25: 2 l/ha Laudis + 0,2 l/ha Banvelas + 1,4 l/ha Spectrum	31.05.25: 1,2 l/ha Equip Power + 0,5 l/ha Callisto + 1,2 l/ha Spectrum + 2 l/ha Megalol	10.06.25: 1,5 l/ha Equip Power + 1,2 l/ha Spectrum	
Grunddüngung / fumure de base / basic fertilisation:	06.08.2024 37 m ³ Liser bovines 5-10-20-118,5 kg N 37 kg P2O5 74 kg K2O	-	29.04.2025 500 kg/ha (Landor 13,9-16) : 65 kg N/ha, 45 kg P2O5/ha, 80 kg K2O/ha	28.03.25: Granulphos 18 %, 300 kg/ha = 54 kg P/ha, Kali 60 %, 200 kg/ha = 120 kg K/ha	14.04.25: 45 l/ha Stapeimist (40,5 / 58,5 / 229,5 kg NPK/ha) + 40m ³ Volleigle 1:1 verdünnt (80 / 14,8 / 124 kg NPK/ha)	22.04.25: 3m ³ ha Biogasgülle (115 / 35 / 74kg NPK/ha)	04.04.25: 3m ³ ha Rindergülle (38 / 38 / 140,6 / 11,4kg NPK/ha) + 7 l/ha Stappeimist (6,3 / 16,8 / 54,6 / 4,2 NPK/ha)	05.03.25: 20m ³ ha Gülle (ca. 60 / 30 / 84 kg NPK/ha), 03.05.25: 25m ³ ha Mist (ca. 73 / 21,13 / 82,87 kg NPK/ha)	
N-Düngung / fumure N / N fertilisation:	30.04.2025: 110 kg/ha Ammonitrate 27,5, 0 - 60 N 28.05.2025 46,0, 0 - 51 N	11.04.25: 380 kg/ha Urea (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 Harnstoff 46 % : 74 kg N / ha	20.05.25: 210kg/ha Mg-Ammonsalpeter 24%+S (50kg Harnstoff 46% (60kg N/ha)	29.04.25: 200kg Harnstoff 46% (92kg N/ha)	20.06.25: 100kg Harnstoff 46% (46kg N/ha)	20.06.25: 100kg Harnstoff 46% (46kg N/ha)	
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	-	-	-	-	
Ernte / Récolte / harvest:	Baural Mähdrösch / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Baural Mähdrösch / moissonneuse-batteuse harvesting	Wintersteiger Delta Mähdrösch / direct combine harvesting	-	-	-	-	

4.3.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager Vegetation	Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
DKC3747	e1	0.35	1.33	0.33	0.02	1.49	-0.46	-0.05	0.52	3.53
Akanto	S	1.93	-1.42	-0.06	0.02	1.04	0.11	-0.15	0.75	2.22
DKC3940	e1	3.75	-3.63	0.31	0.02	1.14	-0.59	0.01	-0.18	0.83
P89699	e1	7.13	-7.55	-0.07	0.02	0.01	0.01	0.05	0.70	0.30
KXC4131	e1	3.59	-5.00	0.68	-0.05	1.05	-0.91	-0.14	0.50	-0.28
KXC4123	e1	0.99	-2.31	0.50	-0.08	-0.31	-0.38	0.17	0.75	-0.67
DKC 4042	e2	3.17	-7.35	0.27	0.02	1.60	0.04	0.03	0.68	-1.54
KXC4318	e1	1.42	-5.51	0.21	0.00	1.54	-0.24	0.19	0.75	-1.64
Interactis	e1	-1.12	-3.37	0.34	0.02	1.76	-0.05	0.03	0.68	-1.71
P9903	T	6.21	-10.73	-0.12	0.00	1.46	0.17	0.15	0.74	-2.12
SY Fregat	S	-1.93	1.42	0.06	-0.02	-1.04	-0.11	0.15	-0.75	-2.22
P8902	S	-2.25	-1.96	0.08	0.02	1.48	-0.13	-0.30	0.75	-2.31
RH24021	e1	0.04	-5.01	0.13	0.02	1.42	0.06	0.29	0.70	-2.35
LZM273/14	e1	-1.25	-3.71	0.56	0.02	1.49	-0.30	0.10	0.62	-2.47
P8834	S	-0.30	-2.89	0.22	0.02	1.17	-0.06	-1.70	0.75	-2.79
KXC4317	e1	-5.67	1.56	0.61	0.02	1.71	-1.24	-1.08	0.68	-3.41
RH24024	e1	3.32	-8.55	0.13	0.00	0.79	0.06	-0.09	0.75	-3.59
SA1934	e1	2.74	-7.35	0.53	0.02	1.08	0.17	-1.54	0.75	-3.60
KXC4315	e1	1.11	-6.82	0.21	0.02	1.27	-0.16	0.13	0.64	-3.60
DKC 3595	S	-6.19	1.18	0.07	0.02	1.49	-0.39	-0.20	0.08	-3.94
RGT Peterxxon	e2	-1.40	-6.31	-0.18	0.02	0.57	0.00	-0.03	0.67	-6.66
SB1653	e2	-1.47	-6.55	0.00	-0.02	-0.13	-0.22	0.02	0.62	-7.75
Pilgrim	S	2.29	-12.31	0.46	0.00	1.15	-0.30	0.00	0.48	-8.23
SB2163	e1	-1.71	-9.40	0.78	0.00	-0.71	-0.06	-0.03	0.75	-10.38
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		23	23	23	3	8	11	20	8	
Anzahl Orte		8	8	8	1	3	4	7	3	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

4.3.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Veg. %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %
P9903	4.3	79.1	78.4	255.7	117.7	46.0	0.6	1.1	0.0
P8834	3.6	76.1	75.7	250.5	134.2	53.6	0.0	2.1	0.6
SY Fregat	4.0	77.4	76.4	261.2	123.3	47.2	1.2	10.0	0.7
DKC 3595	3.9	76.2	75.1	244.0	123.2	50.4	0.0	1.0	1.5
Akanto	4.2	76.3	75.2	245.7	117.0	47.6	0.0	2.6	0.2
Pilgrim	3.2	74.7	74.5	257.8	127.2	49.3	0.6	2.2	1.3
P8902	3.9	76.5	76.3	260.5	130.3	50.0	0.0	1.0	0.8
DKC 4042	3.5	75.8	76.1	262.8	125.3	47.6	0.0	0.6	0.4
RGT Peterxxon	4.4	76.5	76.2	245.3	117.7	48.1	0.0	4.2	0.4
SB1653	4.1	76.9	75.8	255.2	116.5	45.7	1.3	6.7	1.0
LZM273/14	3.0	75.3	74.6	264.0	133.0	50.4	0.0	1.0	1.3
DKC3940	3.5	75.7	74.9	252.3	130.7	51.7	0.0	2.2	2.0
DKC3747	3.4	74.2	73.8	237.8	121.8	51.2	0.0	1.0	1.7
Interactis	3.4	74.3	74.2	248.0	118.3	47.7	0.0	0.0	0.6
RH24024	3.8	76.5	75.6	246.3	117.5	47.7	0.6	3.5	0.3
RH24021	3.8	75.3	74.8	242.0	121.7	50.3	0.0	1.2	0.3
KXC4123	3.1	75.3	75.0	277.3	136.7	49.5	3.0	7.4	1.5
KXC4131	2.7	75.6	74.7	268.5	129.5	48.2	2.3	2.6	2.9
KXC4315	3.7	74.3	73.8	229.3	112.7	49.2	0.0	1.7	0.9
KXC4317	2.9	73.1	72.7	238.0	122.8	51.7	0.0	0.2	3.8
KXC4318	3.7	73.9	72.8	232.3	114.3	49.0	0.6	0.8	1.1
P89699	4.2	78.8	77.6	256.2	125.0	48.8	0.0	6.2	0.4
SB2163	2.5	73.6	72.5	263.8	125.2	47.5	0.6	8.8	0.6
SA1934	3.0	74.5	73.7	256.3	124.8	48.7	0.0	2.4	0.0
Bezugsgrösse(n)	4.1	76.9	75.8	253.4	120.2	47.4	0.6	6.3	0.5
Versuchs-Mittel	3.6	75.7	75.0	252.1	123.6	49.0	0.5	2.9	1.0
VK [%]	16.7	1.5	1.6	3.1	6.5	6.2	242.8	154.7	163.9
KGD (5%)	0.3	0.9	0.9	5.8	6.0	2.2		4.5	1.4
KGD (1%)	0.5	1.1	1.2	7.6	7.9	3.0		5.9	1.8
Versuchs-Streuung	0.6	1.2	1.2	7.7	8.0	3.0	1.1	4.5	1.7
FG Fehlerterm	338.0	201.0	201.0	199.0	201.0	205.0	44.0	115.0	161.0
Anz. Beob.	23.0	14.0	14.0	14.0	14.0	14.0	3.0	8.0	11.0
Anz. Orte	8.0	5.0	5.0	5.0	5.0	5.0	1.0	3.0	4.0
Minimum	2.5	73.1	72.5	229.3	112.7	45.7	0.0	0.0	0.0
Maximum	4.4	79.1	78.4	277.3	136.7	53.6	3.0	10.0	3.8

Sorten Bezeich- nung	Stängel fäule %	Helmin- thosp. 1. Bon. Note	Beulen- brand %	Kolben- fusarien Note	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
P9903	0.2	2.4	1.0	1.1	3.3	8.3	170.4	106.5	71.9
P8834	0.0	3.0	9.5	1.2	2.7	8.2	160.0	100.1	75.0
SY Fregat	16.1	3.9	1.0	1.1	4.0	7.8	157.4	97.5	76.7
DKC 3595	7.2	3.4	2.6	1.2	4.7	8.1	150.5	93.7	76.6
Akanto	0.0	2.7	2.4	1.1	2.3	7.9	163.5	102.5	75.6
Pilgrim	2.9	2.7	1.7	1.5	3.3	8.0	164.1	101.6	71.2
P8902	0.0	3.1	3.1	1.2	3.7	8.2	156.8	98.2	75.4
DKC 4042	0.8	2.5	1.6	1.4	1.0	8.2	165.5	103.7	73.2
RGT Peterxxon	0.9	2.8	1.8	1.0	2.7	8.0	158.2	98.6	73.6
SB1653	1.5	3.4	1.6	1.1	2.3	8.0	158.1	97.6	73.5
LZM273/14	1.4	3.5	1.2	1.4	3.0	8.3	158.4	99.4	74.7
DKC3940	10.0	2.3	1.7	1.5	4.3	8.3	166.5	103.9	74.7
DKC3747	2.5	3.3	1.9	1.6	4.0	8.3	161.0	101.0	76.7
Interactis	0.8	3.0	1.6	1.2	4.0	7.8	158.7	99.1	74.8
RH24024	0.0	2.3	2.1	1.2	1.7	8.2	165.8	103.2	72.7
RH24021	0.6	2.9	0.4	1.5	3.3	8.1	160.5	99.8	74.2
KXC4123	0.0	2.5	0.9	1.1	2.3	8.2	162.0	101.8	75.2
KXC4131	2.7	3.0	2.3	1.3	5.0	8.3	166.2	103.9	74.2
KXC4315	1.2	2.6	1.1	1.7	3.7	8.3	162.2	101.0	73.4
KXC4317	0.8	3.1	6.6	1.1	4.0	8.3	151.4	94.5	76.8
KXC4318	0.0	2.3	0.8	1.8	1.7	8.2	162.7	101.9	74.0
P89699	0.6	2.5	1.5	1.1	1.3	8.2	171.9	107.6	73.1
SB2163	0.0	3.3	1.8	1.2	3.0	8.3	157.7	98.0	72.4
SA1934	0.0	3.2	8.7	1.1	2.3	8.4	164.8	103.2	73.2
Bezugsgrösse(n)	8.1	3.3	1.7	1.1	3.2	7.9	160.4	100.0	76.2
Versuchs-Mittel	2.1	2.9	2.4	1.3	3.1	8.2	161.4	100.8	74.3
VK [%]	153.5	19.3	99.9	20.2	27.0	4.7	5.2	5.2	1.1
KGD (5%)	3.2	0.5	1.5	0.3	1.4	0.2	4.9	3.0	0.5
KGD (1%)	4.2	0.6	2.0	0.4	1.8	0.3	6.4	4.0	0.6
Versuchs-Streuung	3.2	0.6	2.4	0.3	0.8	0.4	8.4	5.2	0.8
FG Fehlerterm	113.0	178.0	291.0	67.0	46.0	333.0	310.0	310.0	335.0
Anz. Beob.	8.0	12.0	20.0	5.0	3.0	23.0	23.0	23.0	23.0
Anz. Orte	3.0	4.0	7.0	2.0	1.0	8.0	8.0	8.0	8.0
Minimum	0.0	2.3	0.4	1.0	1.0	7.8	150.5	93.7	71.2
Maximum	16.1	3.9	9.5	1.8	5.0	8.4	171.9	107.6	76.8

4.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9903	4.3 -----	5.0 -----	4.7 -----	6.0 -----	5.3 -----
P8834	3.6 -----	4.3 -----	4.3 -----	5.7 -----	4.3 ---
SY Fregat	4.0 -----	4.7 -----	3.7 -----	6.0 -----	5.0 -----
DKC 3595	3.9 -----	5.3 -----	4.3 -----	5.3 -----	5.0 -----
Akanto	4.2 -----	4.7 -----	5.0 -----	6.0 -----	5.0 -----
Pilgrim	3.2 ---	4.0 ---	3.0 ---	5.3 -----	4.3 ---
P8902	3.9 -----	4.7 -----	4.3 -----	5.7 -----	4.7 -----
DKC 4042	3.5 -----	4.0 -----	4.0 -----	5.3 -----	5.0 -----
RGT Peterxxon	4.4 -----	5.3 -----	4.7 -----	6.0 -----	5.3 -----
SB1653	4.1 -----	4.3 -----	4.3 -----	6.0 -----	5.0 -----
LZM273/14	3.0 ---	3.3 --	2.7 --	5.3 -----	4.0 -
DKC3940	3.5 -----	4.0 -----	4.0 -----	5.7 -----	4.7 -----
DKC3747	3.4 -----	4.0 -----	4.0 -----	6.0 -----	4.3 ---
Interactis	3.4 -----	4.3 -----	3.7 -----	5.0 ---	4.7 -----
RH24024	3.8 -----	4.7 -----	3.7 -----	6.0 -----	4.7 -----
RH24021	3.8 -----	4.7 -----	3.7 -----	5.3 -----	5.3 -----
KXC4123	3.1 ---	3.7 ---	3.7 -----	5.0 ---	4.0 -
KXC4131	2.7 --	3.7 ---	2.3 -	5.0 ---	4.0 -
KXC4315	3.7 -----	4.0 -----	4.0 -----	5.7 -----	4.3 ---
KXC4317	2.9 --	3.7 ---	2.7 --	5.0 ---	4.3 ---
KXC4318	3.7 -----	4.3 -----	3.3 ---	6.0 -----	4.3 ---
P89699	4.2 -----	5.0 -----	4.3 -----	6.0 -----	4.3 ---
SB2163	2.5 -	3.0 -	2.3 -	4.7 -	4.0 -
SA1934	3.0 ---	3.3 --	3.0 ---	5.0 ---	4.0 -
-Bezugsgrösse(n)	4.1 -----	4.7 -----	4.3 -----	6.0 -----	5.0 -----
Versuchs-Mittel	3.6 -----	4.3 -----	3.7 -----	5.5 -----	4.6 -----
VK [%]	16.7	11.8	16.7	6.3	8.3
KGD (5%)	0.3	0.8	1.0	0.6	0.6
KGD (1%)	0.5	1.1	1.4	0.8	0.8
Versuchs-Streuung	0.6	0.5	0.6	0.3	0.4
FG Fehlerterm	338.0	46.0	46.0	44.0	44.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	147.6	23	18.02 ***	1.56	0.0000
Anbauorte	660.6	7	264.88 ***	2.04	0.0000
WW Verf.*Anb.Orte	62.9	161	1.10 ns	1.24	
Fehler	120.4	338			
Insgesamt	991.5	529			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9465 Salez
P9903	3.3 -----	2.7 -----	4.5 -----	3.0 -----
P8834	3.0 -----	2.0 -----	2.5 -----	3.0 -----
SY Fregat	3.7 -----	2.7 -----	3.0 -----	3.0 -----
DKC 3595	3.0 -----	2.3 -----	3.5 -----	2.7 -----
Akanto	3.7 -----	2.3 -----	4.0 -----	3.0 -----
Pilgrim	3.0 -----	1.7 ---	2.0 --	2.0 ---
P8902	3.3 -----	2.7 -----	3.0 -----	3.0 -----
DKC 4042	2.7 -----	2.3 -----	3.0 -----	2.0 ---
RGT Peterxxon	3.3 -----	2.7 -----	4.5 -----	3.7 -----
SB1653	3.0 -----	3.0 -----	4.0 -----	3.0 -----
LZM273/14	2.7 -----	1.3 --	2.0 --	2.3 -----
DKC3940	2.7 -----	1.7 ---	3.0 -----	2.0 ---
DKC3747	3.3 -----	1.3 --	2.0 --	2.3 -----
Interactis	2.7 -----	2.0 -----	2.5 -----	2.3 -----
RH24024	3.0 -----	2.0 -----	3.5 -----	3.0 -----
RH24021	3.3 -----	2.5 -----	3.0 -----	2.7 -----
KXC4123	1.3 -	1.3 --	3.0 -----	2.7 -----
KXC4131	2.0 ---	1.0 -	2.5 -----	1.3 -
KXC4315	3.3 -----	2.0 -----	4.0 -----	2.0 ---
KXC4317	1.7 --	1.7 ---	2.5 -----	1.3 -
KXC4318	3.3 -----	2.3 -----	3.0 -----	2.7 -----
P89699	4.0 -----	3.3 -----	3.5 -----	3.3 -----
SB2163	2.0 ---	1.0 -	1.5 -	1.7 --
SA1934	3.0 -----	1.3 --	2.5 -----	2.0 ---
-Bezugsgrösse(n)	3.7 -----	2.5 -----	3.5 -----	3.0 -----
Versuchs-Mittel	2.9 -----	2.0 -----	3.0 -----	2.5 -----
VK [%]	26.1	27.7	27.0	28.7
KGD (5%)	1.3	0.9	ns	1.2
KGD (1%)	ns	1.2	ns	ns
Versuchs-Streuung	0.8	0.6	0.8	0.7
FG Fehlerterm	44.0	45.0	23.0	46.0
Anz. Beob.	3.0	3.0	2.0	3.0

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

Verfahren	Seriemittel		1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9903	79.1	-----	75.0	83.3	77.7	81.3
P8834	76.1	-----	71.0	81.7	76.0	78.7
SY Fregat	77.4	-----	73.3	83.0	77.3	80.0
DKC 3595	76.2	-----	73.3	83.0	74.0	78.7
Akanto	76.3	-----	72.7	82.0	74.0	78.7
Pilgrim	74.7	---	71.3	82.7	74.3	77.7
P8902	76.5	-----	72.7	82.3	75.3	78.7
DKC 4042	75.8	-----	70.7	81.3	75.7	77.7
RGT Peterxxon	76.5	-----	72.3	81.0	76.0	78.0
SB1653	76.9	-----	71.7	82.0	75.3	78.7
LZM273/14	75.3	---	70.7	82.0	74.0	78.7
DKC3940	75.7	-----	70.3	81.7	74.3	78.3
DKC3747	74.2	---	69.7	81.0	74.3	76.7
Interactis	74.3	---	70.7	81.7	73.3	76.0
RH24024	76.5	-----	72.0	83.0	74.7	79.3
RH24021	75.3	-----	71.7	81.7	75.0	77.3
KXC4123	75.3	-----	70.7	81.7	74.0	78.3
KXC4131	75.6	-----	72.0	81.7	74.3	78.3
KXC4315	74.3	---	71.7	81.3	71.0	76.0
KXC4317	73.1	-	70.7	81.0	71.0	73.7
KXC4318	73.9	--	70.3	81.0	71.0	76.7
P89699	78.8	-----	73.7	84.3	77.7	81.7
SB2163	73.6	-	70.7	82.0	71.0	76.7
SA1934	74.5	---	70.3	82.0	72.7	78.0
-Bezugsgrösse(n)	76.9	-----	73.0	82.5	75.7	79.3
Versuchs-Mittel	75.7	-----	71.6	82.0	74.3	78.1
VK [%]	1.5		1.2	0.9	1.5	1.3
KGD (5%)	0.9		1.4	1.2	1.9	1.6
KGD (1%)	1.1		1.9	1.6	2.5	2.2
Versuchs-Streuung	1.2		0.9	0.7	1.1	1.0
FG Fehlerterm	201.0		46.0	44.0	44.0	44.0
Anz. Beob.	14.0		3.0	3.0	3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	719.9	23	23.03 ***	1.58	0.0000	
Anbauorte	5096.9	4	937.40 ***	2.42	0.0000	
WW Verf.*Anb.Orte	368.7	92	2.95 ***	1.33	0.0001	
Fehler	273.2	201				
Insgesamt	6458.7	320				

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

Verfahren	8566	
	Ellighausen TG	
P9903	78.0	-----
P8834	73.0	-----
SY Fregat	73.5	-----
DKC 3595	72.0	-----
Akanto	74.0	-----
Pilgrim	67.5	-
P8902	73.5	-----
DKC 4042	73.5	-----
RGT Peterxxon	75.0	-----
SB1653	77.0	-----
LZM273/14	71.0	----
DKC3940	74.0	-----
DKC3747	69.5	---
Interactis	70.0	---
RH24024	73.5	-----
RH24021	71.0	----
KXC4123	72.0	-----
KXC4131	71.5	----
KXC4315	71.5	----
KXC4317	69.0	--
KXC4318	70.5	---
P89699	76.5	-----
SB2163	67.5	-
SA1934	69.5	---
-Bezugsgrösse(n)	73.8	-----
Versuchs-Mittel	72.3	-----
VK [%]	3.1	
KGD (5%)	4.6	
KGD (1%)	6.3	
Versuchs-Streuung	2.2	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		3065 Habstetten		8046 Reckenholz ZH	
P9903	78.4	-----	75.0	-----	82.3	-----	75.7	-----	81.7	-----
P8834	75.7	-----	72.0	----	79.7	---	74.0	-----	79.3	-----
SY Fregat	76.4	-----	71.7	----	81.0	-----	75.3	-----	79.7	-----
DKC 3595	75.1	----	72.0	----	81.0	-----	72.0	----	78.3	----
Akanto	75.2	----	71.0	---	80.0	----	72.0	----	77.7	----
Pilgrim	74.5	---	70.7	--	80.7	-----	72.7	-----	78.3	----
P8902	76.3	-----	72.7	-----	80.3	-----	73.7	-----	79.3	-----
DKC 4042	76.1	-----	73.0	-----	79.3	--	73.7	-----	79.0	-----
RGT Peterxxon	76.2	-----	72.7	-----	79.0	-	74.0	-----	79.3	-----
SB1653	75.8	-----	71.3	----	80.0	----	73.0	-----	77.7	----
LZM273/14	74.6	----	70.0	-	80.0	----	72.0	----	79.0	-----
DKC3940	74.9	-----	70.7	--	79.7	---	72.3	-----	78.0	----
DKC3747	73.8	---	69.7	-	79.0	-	72.3	-----	77.3	---
Interactis	74.2	---	71.3	----	80.0	----	71.3	----	77.0	---
RH24024	75.6	-----	71.0	--	81.0	-----	72.7	-----	79.3	-----
RH24021	74.8	----	71.0	--	79.7	---	73.0	-----	77.7	----
KXC4123	75.0	-----	70.7	--	79.7	---	72.0	-----	78.7	-----
KXC4131	74.7	----	71.3	----	79.7	---	72.3	-----	78.3	----
KXC4315	73.8	---	70.7	--	79.3	--	69.0	-	76.3	--
KXC4317	72.7	-	70.0	-	79.0	-	69.0	-	75.7	-
KXC4318	72.8	-	70.0	-	79.0	-	69.0	-	75.7	-
P89699	77.6	-----	73.0	-----	82.3	-----	75.7	-----	80.7	-----
SB2163	72.5	-	70.0	-	80.0	----	69.0	-	76.7	--
SA1934	73.7	---	70.0	-	80.0	----	70.7	---	77.3	---
-Bezugsgrösse(n)	75.8	-----	71.3	----	80.5	-----	73.7	-----	78.7	-----
Versuchs-Mittel	75.0	-----	71.3	----	80.1	----	72.3	-----	78.3	-----
VK [%]	1.6		1.4		0.9		1.6		1.1	
KGD (5%)	0.9		1.6		1.2		1.9		1.4	
KGD (1%)	1.2		2.2		1.6		2.5		1.8	
Versuchs-Streuung	1.2		1.0		0.7		1.2		0.8	
FG Fehlerterm	201.0		46.0		44.0		44.0		44.0	
Anz. Beob.	14.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	678.5		23		20.96	***	1.58		0.0000	
Anbauorte	4057.7		4		720.69	***	2.42		0.0000	
WW Verf.*Anb.Orte	319.2		92		2.47	***	1.33		0.0002	
Fehler	282.9		201							
Insgesamt	5338.4		320							

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

Verfahren	8566 Ellighausen TG	
P9903	77.5	-----
P8834	73.5	-----
SY Fregat	74.5	-----
DKC 3595	72.0	-----
Akanto	75.5	-----
Pilgrim	70.0	---
P8902	75.5	-----
DKC 4042	75.5	-----
RGT Peterxxon	76.0	-----
SB1653	77.0	-----
LZM273/14	72.0	-----
DKC3940	74.0	-----
DKC3747	70.5	----
Interactis	71.5	----
RH24024	74.0	-----
RH24021	72.5	-----
KXC4123	74.0	-----
KXC4131	72.0	-----
KXC4315	73.5	-----
KXC4317	70.0	---
KXC4318	70.5	----
P89699	76.5	-----
SB2163	67.0	-
SA1934	70.5	----
-Bezugsgrösse(n)	75.0	-----
Versuchs-Mittel	73.1	-----
VK [%]	3.2	
KGD (5%)	4.8	
KGD (1%)	ns	
Versuchs-Streuung	2.3	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		3065 Habstetten		8046 Reckenholz ZH	
P9903	255.7	-----	266.7	-----	261.7	-----	265.0	----	220.0	----
P8834	250.5	-----	268.3	-----	236.7	----	263.3	----	216.7	----
SY Fregat	261.2	-----	263.3	-----	248.3	-----	288.3	-----	233.3	-----
DKC 3595	244.0	---	261.7	----	233.3	----	251.7	---	223.3	-----
Akanto	245.7	----	260.0	----	230.0	---	261.7	----	221.7	-----
Pilgrim	257.8	-----	260.0	----	248.3	-----	278.3	-----	235.0	-----
P8902	260.5	-----	276.7	-----	248.3	-----	283.3	-----	226.7	-----
DKC 4042	262.8	-----	273.3	-----	246.7	-----	273.3	-----	243.3	-----
RGT Peterxxon	245.3	----	256.7	---	226.7	--	265.0	----	228.3	-----
SB1653	255.2	-----	276.7	-----	240.0	----	276.7	-----	230.0	-----
LZM273/14	264.0	-----	270.0	-----	265.0	-----	275.0	-----	240.0	-----
DKC3940	252.3	-----	268.3	-----	248.3	-----	263.3	----	226.7	-----
DKC3747	237.8	--	250.0	-	223.3	--	255.0	---	208.3	--
Interactis	248.0	----	253.3	--	233.3	----	266.7	-----	221.7	-----
RH24024	246.3	----	260.0	----	235.0	----	261.7	----	220.0	----
RH24021	242.0	---	250.0	-	228.3	---	260.0	----	221.7	-----
KXC4123	277.3	-----	281.7	-----	266.7	-----	310.0	-----	243.3	-----
KXC4131	268.5	-----	276.7	-----	256.7	-----	283.3	-----	243.3	-----
KXC4315	229.3	-	250.0	-	218.3	-	236.7	-	206.7	--
KXC4317	238.0	--	248.3	-	235.0	----	250.0	--	211.7	---
KXC4318	232.3	-	255.0	---	221.7	-	240.0	-	200.0	-
P89699	256.2	-----	261.7	-----	245.0	-----	276.7	-----	235.0	-----
SB2163	263.8	-----	276.7	-----	258.3	-----	278.3	-----	238.3	-----
SA1934	256.3	-----	270.0	-----	245.0	-----	275.0	-----	231.7	-----
-Bezugsgrösse(n)	253.4	-----	261.7	-----	239.2	-----	275.0	-----	227.5	-----
Versuchs-Mittel	252.1	-----	264.0	-----	241.7	-----	268.3	-----	226.1	-----
VK [%]	3.1		2.3		2.9		2.0		4.0	
KGD (5%)	5.8		10.1		11.3		8.8		14.8	
KGD (1%)	7.6		13.5		15.1		11.8		19.7	
Versuchs-Streuung	7.7		6.2		6.9		5.3		9.0	
FG Fehlerterm	199.0		44.0		44.0		44.0		44.0	
Anz. Beob.	14.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	44257.3		23		32.29	***	1.58		0.0000	
Anbauorte	84594.1		4		354.86	***	2.42		0.0000	
WW Verf.*Anb.Orte	10000.8		92		1.82	***	1.33		0.0009	
Fehler	11859.7		199							
Insgesamt	150711.9		318							

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
P9903	265.0	-----
P8834	267.5	-----
SY Fregat	272.5	-----
DKC 3595	250.0	----
Akanto	255.0	-----
Pilgrim	267.5	-----
P8902	267.5	-----
DKC 4042	277.5	-----
RGT Peterxxon	250.0	----
SB1653	252.5	----
LZM273/14	270.0	-----
DKC3940	255.0	-----
DKC3747	252.5	----
Interactis	265.0	-----
RH24024	255.0	-----
RH24021	250.0	----
KXC4123	285.0	-----
KXC4131	282.5	-----
KXC4315	235.0	-
KXC4317	245.0	---
KXC4318	245.0	---
P89699	262.5	-----
SB2163	267.5	-----
SA1934	260.0	-----
-Bezugsgrösse(n)	263.8	-----
Versuchs-Mittel	260.6	-----
VK [%]	4.6	
KGD (5%)	24.8	
KGD (1%)	ns	
Versuchs-Streuung	12.0	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		3065 Habstetten		8046 Reckenholz ZH
P9903	117.7	---	136.7	-----	121.7	-----	118.3	---	96.7 --
P8834	134.2	-----	143.3	-----	130.0	-----	133.3	-----	116.7 -----
SY Fregat	123.3	-----	128.3	--	123.3	-----	131.7	-----	103.3 ----
DKC 3595	123.2	-----	136.7	-----	120.0	----	123.3	-----	108.3 -----
Akanto	117.0	--	131.7	----	108.3	-	121.7	----	98.3 --
Pilgrim	127.2	-----	136.7	-----	123.3	-----	128.3	-----	115.0 -----
P8902	130.3	-----	146.7	-----	123.3	-----	138.3	-----	108.3 -----
DKC 4042	125.3	-----	138.3	-----	111.7	--	133.3	-----	108.3 -----
RGT Peterxxon	117.7	---	130.0	---	118.3	----	123.3	-----	106.7 -----
SB1653	116.5	--	136.7	-----	113.3	--	120.0	----	110.0 -----
LZM273/14	133.0	-----	138.3	-----	141.7	-----	128.3	-----	121.7 -----
DKC3940	130.7	-----	141.7	-----	130.0	-----	131.7	-----	115.0 -----
DKC3747	121.8	----	135.0	-----	118.3	----	126.7	-----	101.7 ----
Interactis	118.3	---	133.3	----	116.7	---	126.7	-----	100.0 ---
RH24024	117.5	---	128.3	--	115.0	---	123.3	-----	98.3 --
RH24021	121.7	----	131.7	----	115.0	---	126.7	-----	115.0 -----
KXC4123	136.7	-----	145.0	-----	140.0	-----	136.7	-----	121.7 -----
KXC4131	129.5	-----	136.7	-----	130.0	-----	131.7	-----	111.7 -----
KXC4315	112.7	-	125.0	-	111.7	--	115.0	--	101.7 ----
KXC4317	122.8	-----	130.0	---	123.3	-----	121.7	----	111.7 -----
KXC4318	114.3	-	135.0	----	111.7	--	111.7	-	93.3 -
P89699	125.0	-----	136.7	-----	130.0	-----	130.0	-----	103.3 ----
SB2163	125.2	-----	143.3	-----	118.3	----	121.7	----	115.0 -----
SA1934	124.8	-----	140.0	-----	121.7	-----	128.3	-----	111.7 -----
-Bezugsgrösse(n)	120.2	----	130.0	---	115.8	---	126.7	-----	100.8 ---
Versuchs-Mittel	123.6	-----	136.0	-----	121.5	-----	126.3	-----	108.1 -----
VK [%]	6.5		4.3		3.8		5.0		10.3
KGD (5%)	6.0		9.6		7.5		10.4		ns
KGD (1%)	7.9		12.8		10.1		13.9		ns
Versuchs-Streuung	8.0		5.8		4.6		6.3		11.1
FG Fehlerterm	201.0		44.0		44.0		44.0		46.0
Anz. Beob.	14.0		3.0		3.0		3.0		3.0
Varianz-Analyse									
	S.Q.	FG	F-Wert		F(95%)	P0			
Verfahren	13509.2	23	9.15 ***		1.58	0.0000			
Anbauorte	27825.9	4	108.35 ***		2.42	0.0000			
WW Verf.*Anb.Orte	7318.8	92	1.24 ns		1.33				
Fehler	12904.9	201							
Insgesamt	61558.7	320							

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

Verfahren	8566	
	Ellighausen TG	
P9903	115.0	---
P8834	147.5	-----
SY Fregat	130.0	-----
DKC 3595	127.5	-----
Akanto	125.0	-----
Pilgrim	132.5	-----
P8902	135.0	-----
DKC 4042	135.0	-----
RGT Peterxxon	110.0	--
SB1653	102.5	-
LZM273/14	135.0	-----
DKC3940	135.0	-----
DKC3747	127.5	-----
Interactis	115.0	---
RH24024	122.5	-----
RH24021	120.0	-----
KXC4123	140.0	-----
KXC4131	137.5	-----
KXC4315	110.0	--
KXC4317	127.5	-----
KXC4318	120.0	-----
P89699	125.0	-----
SB2163	127.5	-----
SA1934	122.5	-----
-Bezugsgrösse(n)	127.5	-----
Versuchs-Mittel	126.0	-----
VK [%]	9.2	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	11.6	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		3065 Habstetten		8046 Reckenholz ZH	
P9903	46.0	-	51.4	-----	46.5	--	44.7	--	43.8	-
P8834	53.6	-----	53.4	-----	55.0	-----	50.6	-----	53.8	-----
SY Fregat	47.2	---	48.7	-	49.7	----	45.7	----	44.2	-
DKC 3595	50.4	-----	52.2	-----	51.4	-----	49.0	-----	48.5	-----
Akanto	47.6	---	50.6	----	47.2	---	46.5	----	44.5	-
Pilgrim	49.3	-----	52.6	-----	49.7	-----	46.1	-----	48.9	-----
P8902	50.0	-----	53.0	-----	49.7	-----	48.8	-----	47.9	-----
DKC 4042	47.6	---	50.6	----	45.3	-	48.7	-----	44.5	-
RGT Peterxxon	48.1	----	50.7	----	52.4	-----	46.6	-----	46.8	----
SB1653	45.7	-	49.4	--	47.3	---	43.4	-	47.8	----
LZM273/14	50.4	-----	51.2	-----	53.5	-----	46.7	-----	50.7	-----
DKC3940	51.7	-----	52.7	-----	52.3	-----	50.0	-----	50.7	-----
DKC3747	51.2	-----	54.0	-----	53.0	-----	49.7	-----	48.8	-----
Interactis	47.7	---	52.6	-----	50.0	----	47.5	-----	45.1	--
RH24024	47.7	---	49.4	--	48.9	----	47.2	-----	44.8	--
RH24021	50.3	-----	52.7	-----	50.4	-----	48.7	-----	51.9	-----
KXC4123	49.5	-----	51.5	-----	52.5	-----	44.1	--	50.1	-----
KXC4131	48.2	----	49.4	--	50.7	-----	46.5	-----	45.9	---
KXC4315	49.2	-----	50.0	---	51.2	-----	48.6	-----	49.0	-----
KXC4317	51.7	-----	52.4	-----	52.6	-----	48.6	-----	52.8	-----
KXC4318	49.0	-----	53.0	-----	50.4	-----	46.5	-----	46.4	---
P89699	48.8	----	52.2	-----	53.1	-----	47.0	-----	44.0	-
SB2163	47.5	---	51.8	-----	45.8	-	43.7	-	48.3	-----
SA1934	48.7	----	51.8	-----	49.7	-----	46.6	-----	48.2	-----
-Bezugsgrösse(n)	47.4	---	49.7	--	48.4	----	46.1	----	44.4	-
Versuchs-Mittel	49.0	-----	51.6	-----	50.3	-----	47.1	-----	47.8	-----
VK [%]	6.2		4.2		4.3		4.8		9.3	
KGD (5%)	2.2		ns		3.5		3.8		ns	
KGD (1%)	3.0		ns		4.7		ns		ns	
Versuchs-Streuung	3.0		2.2		2.2		2.3		4.5	
FG Fehlerterm	205.0		46.0		44.0		46.0		46.0	
Anz. Beob.	14.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	1153.0		23		5.51 ***		1.58		0.0000	
Anbauorte	914.0		4		25.10 ***		2.42		0.0000	
WW Verf.*Anb.Orte	845.2		92		1.01 ns		1.33			
Fehler	1866.5		205							
Insgesamt	4778.7		324							

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

Verfahren	8566	
	Ellighausen TG	
P9903	43.5	---
P8834	55.1	-----
SY Fregat	47.7	-----
DKC 3595	51.0	-----
Akanto	49.0	-----
Pilgrim	49.4	-----
P8902	50.7	-----
DKC 4042	48.7	-----
RGT Peterxxon	43.9	---
SB1653	40.6	-
LZM273/14	50.0	-----
DKC3940	52.8	-----
DKC3747	50.5	-----
Interactis	43.4	---
RH24024	48.0	-----
RH24021	47.9	-----
KXC4123	49.1	-----
KXC4131	48.7	-----
KXC4315	47.0	-----
KXC4317	52.0	-----
KXC4318	49.0	-----
P89699	47.4	-----
SB2163	47.7	-----
SA1934	47.1	-----
-Bezugsgrösse(n)	48.4	-----
Versuchs-Mittel	48.3	-----
VK [%]	7.4	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	3.6	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

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

Verfahren	Seriemittel		9465 Salez	
P9903	0.6	---	0.6	---
P8834	0.0	-	0.0	-
SY Fregat	1.2	-----	1.2	-----
DKC 3595	0.0	-	0.0	-
Akanto	0.0	-	0.0	-
Pilgrim	0.6	---	0.6	---
P8902	0.0	-	0.0	-
DKC 4042	0.0	-	0.0	-
RGT Peterxxon	0.0	-	0.0	-
SB1653	1.3	-----	1.3	-----
LZM273/14	0.0	-	0.0	-
DKC3940	0.0	-	0.0	-
DKC3747	0.0	-	0.0	-
Interactis	0.0	-	0.0	-
RH24024	0.6	---	0.6	---
RH24021	0.0	-	0.0	-
KXC4123	3.0	-----	3.0	-----
KXC4131	2.3	-----	2.3	-----
KXC4315	0.0	-	0.0	-
KXC4317	0.0	-	0.0	-
KXC4318	0.6	---	0.6	---
P89699	0.0	-	0.0	-
SB2163	0.6	---	0.6	---
SA1934	0.0	-	0.0	-
-Bezugsgrösse(n)	0.6	---	0.6	---
Versuchs-Mittel	0.5	--	0.5	--
VK [%]	242.8		242.8	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	1.1		1.1	
FG Fehlerterm	44.0		44.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel		1567 Delley FR		8046 Reckenholz ZH		8566 Ellighausen TG	
P9903	1.1	--	0.0	-	2.3	-	0.9	--
P8834	2.1	---	1.2	-----	2.4	-	2.8	---
SY Fregat	10.0	-----	0.0	-	29.0	-----	0.9	--
DKC 3595	1.0	--	0.0	-	2.9	--	0.0	-
Akanto	2.6	---	0.0	-	6.9	---	0.8	-
Pilgrim	2.2	---	0.0	-	5.7	---	0.9	--
P8902	1.0	--	0.0	-	3.0	--	0.0	-
DKC 4042	0.6	-	0.0	-	1.8	-	0.0	-
RGT Peterxxon	4.2	----	0.0	-	12.7	----	0.0	-
SB1653	6.7	-----	0.0	-	20.1	-----	0.0	-
LZM273/14	1.0	--	0.0	-	3.0	--	0.0	-
DKC3940	2.2	---	0.0	-	6.6	---	0.0	-
DKC3747	1.0	--	0.0	-	3.0	--	0.0	-
Interactis	0.0	-	0.0	-	0.0	-	0.0	-
RH24024	3.5	----	0.0	-	10.4	----	0.0	-
RH24021	1.2	--	0.0	-	3.7	--	0.0	-
KXC4123	7.4	-----	1.2	-----	11.7	-----	9.2	-----
KXC4131	2.6	---	0.0	-	7.7	---	0.0	-
KXC4315	1.7	--	0.0	-	5.2	--	0.0	-
KXC4317	0.2	-	0.0	-	0.6	-	0.0	-
KXC4318	0.8	-	0.0	-	2.4	-	0.0	-
P89699	6.2	-----	0.0	-	16.9	-----	1.7	--
SB2163	8.8	-----	1.2	-----	25.2	-----	0.0	-
SA1934	2.4	---	0.0	-	6.4	---	0.9	--
-Bezugsgrösse(n)	6.3	-----	0.0	-	18.0	-----	0.9	--
Versuchs-Mittel	2.9	----	0.1	--	7.9	---	0.8	-
VK [%]	154.7		489.9		87.9		313.4	
KGD (5%)	4.5		ns		11.4		ns	
KGD (1%)	5.9		ns		15.2		ns	
Versuchs-Streuung	4.5		0.7		6.9		2.4	
FG Fehlerterm	115.0		46.0		46.0		23.0	
Anz. Beob.	8.0		3.0		3.0		2.0	
Varianz-Analyse								
	S.Q.	FG	F-Wert		F(95%)	P0		
Verfahren	1455.8	23	3.07 ***		1.62	0.0003		
Anbauorte	2382.2	2	57.74 ***		3.07	0.0000		
WW Verf.*Anb.Orte	2513.1	46	2.65 ***		1.47	0.0003		
Fehler	2372.2	115						
Insgesamt	8723.2	186						

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

Verfahren	Seriemittel		1567 Delley FR		8046 Reckenholz ZH		8566 Ellighausen TG		9465 Salez	
P9903	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
P8834	0.6	--	1.2	-	0.6	--	0.0	-	0.6	-----
SY Fregat	0.7	---	1.2	-	1.8	-----	0.0	-	0.0	-
DKC 3595	1.5	----	4.8	----	1.1	---	0.0	-	0.0	-
Akanto	0.2	-	0.0	-	0.6	--	0.0	-	0.0	-
Pilgrim	1.3	----	5.0	----	0.0	-	0.0	-	0.0	-
P8902	0.8	---	1.2	-	1.2	---	0.9	----	0.0	-
DKC 4042	0.4	--	0.0	-	0.6	--	0.8	----	0.0	-
RGT Peterxxon	0.4	--	0.0	-	1.8	----	0.0	-	0.0	-
SB1653	1.0	---	0.0	-	4.2	-----	0.0	-	0.0	-
LZM273/14	1.3	----	5.0	----	0.0	-	0.0	-	0.0	-
DKC3940	2.0	-----	7.5	-----	0.6	--	0.0	-	0.0	-
DKC3747	1.7	----	6.2	----	0.6	--	0.0	-	0.0	-
Interactis	0.6	--	2.3	--	0.0	-	0.0	-	0.0	-
RH24024	0.3	-	0.0	-	1.2	---	0.0	-	0.0	-
RH24021	0.3	-	0.0	-	1.2	---	0.0	-	0.0	-
KXC4123	1.5	----	2.3	--	3.5	-----	0.0	-	0.0	-
KXC4131	2.9	-----	7.5	-----	2.3	----	1.8	-----	0.0	-
KXC4315	0.9	---	1.2	-	2.4	-----	0.0	-	0.0	-
KXC4317	3.8	-----	15.0	-----	0.0	-	0.0	-	0.0	-
KXC4318	1.1	----	0.0	-	1.2	---	2.6	-----	0.6	-----
P89699	0.4	--	0.0	-	1.7	----	0.0	-	0.0	-
SB2163	0.6	--	1.2	-	1.2	----	0.0	-	0.0	-
SA1934	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
-Bezugsgrösse(n)	0.5	--	0.6	-	1.2	----	0.0	-	0.0	-
Versuchs-Mittel	1.0	---	2.6	--	1.2	---	0.3	--	0.1	-
VK [%]	163.9		89.6		166.9		365.5		587.3	
KGD (5%)	1.4		3.8		ns		ns		ns	
KGD (1%)	1.8		5.0		ns		ns		ns	
Versuchs-Streuung	1.7		2.3		1.9		0.9		0.3	
FG Fehlerterm	161.0		46.0		46.0		23.0		46.0	
Anz. Beob.	11.0		3.0		3.0		2.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	204.4		23		3.26 ***		1.60		0.0002	
Anbauorte	258.8		3		31.65 ***		2.66		0.0000	
WW Verf.*Anb.Orte	752.7		69		4.00 ***		1.38		0.0000	
Fehler	438.7		161							
Insgesamt	1654.6		256							

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel		1567 Delley FR		8046 Reckenholz ZH		8566 Ellighausen TG	
P9903	0.2	-	0.0	-	0.6	-----	0.0	-
P8834	0.0	-	0.0	-	0.0	-	0.0	-
SY Fregat	16.1	-----	2.3	--	0.0	-	46.0	-----
DKC 3595	7.2	-----	12.5	-----	0.0	-	9.1	---
Akanto	0.0	-	0.0	-	0.0	-	0.0	-
Pilgrim	2.9	--	6.2	-----	0.0	-	2.5	-
P8902	0.0	-	0.0	-	0.0	-	0.0	-
DKC 4042	0.8	-	0.0	-	0.0	-	2.5	-
RGT Peterxxon	0.9	-	0.0	-	0.0	-	2.8	-
SB1653	1.5	--	0.0	-	0.0	-	4.5	--
LZM273/14	1.4	-	2.5	---	0.0	-	1.7	-
DKC3940	10.0	-----	8.7	-----	0.0	-	21.3	-----
DKC3747	2.5	--	4.8	----	0.0	-	2.5	-
Interactis	0.8	-	2.5	---	0.0	-	0.0	-
RH24024	0.0	-	0.0	-	0.0	-	0.0	-
RH24021	0.6	-	0.0	-	0.0	-	1.7	-
KXC4123	0.0	-	0.0	-	0.0	-	0.0	-
KXC4131	2.7	--	7.5	-----	0.6	-----	0.0	-
KXC4315	1.2	-	2.5	---	1.2	-----	0.0	-
KXC4317	0.8	-	2.5	---	0.0	-	0.0	-
KXC4318	0.0	-	0.0	-	0.0	-	0.0	-
P89699	0.6	-	0.0	-	0.0	-	1.7	-
SB2163	0.0	-	0.0	-	0.0	-	0.0	-
SA1934	0.0	-	0.0	-	0.0	-	0.0	-
-Bezugsgrösse(n)	8.1	-----	1.2	--	0.0	-	23.0	-----
Versuchs-Mittel	2.1	--	2.2	--	0.1	-	4.0	-
VK [%]	153.5		167.7		516.7		121.6	
KGD (5%)	3.2		6.0		ns		10.1	
KGD (1%)	4.2		8.0		ns		13.7	
Versuchs-Streuung	3.2		3.6		0.5		4.9	
FG Fehlerterm	113.0		46.0		44.0		23.0	
Anz. Beob.	8.0		3.0		3.0		2.0	
Varianz-Analyse								
	S.Q.	FG	F-Wert		F(95%)	P0		
Verfahren	2695.7	23	11.35 ***		1.63	0.0000		
Anbauorte	492.0	2	23.83 ***		3.07	0.0000		
WW Verf.*Anb.Orte	4207.8	46	8.86 ***		1.48	0.0000		
Fehler	1166.8	113						
Insgesamt	8562.3	184						

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		3065 Habstetten		9465 Salez	
P9903	2.4	--	2.7	---	3.3	---	2.7	---	1.0	-
P8834	3.0	----	3.7	-----	3.7	----	3.0	---	1.7	----
SY Fregat	3.9	-----	3.3	-----	4.7	-----	5.0	-----	2.7	-----
DKC 3595	3.4	-----	3.3	-----	5.0	-----	4.0	-----	1.3	--
Akanto	2.7	---	3.0	-----	3.7	----	3.0	----	1.0	-
Pilgrim	2.7	---	3.0	-----	3.0	--	3.0	----	1.7	----
P8902	3.1	-----	3.0	-----	3.7	----	4.0	-----	1.7	----
DKC 4042	2.5	--	3.0	-----	2.7	-	3.0	----	1.3	--
RGT Peterxxon	2.8	----	2.3	-	4.3	-----	2.3	--	2.0	-----
SB1653	3.4	-----	2.3	-	4.7	-----	5.3	-----	1.3	--
LZM273/14	3.5	-----	3.7	-----	4.0	----	4.3	-----	2.0	-----
DKC3940	2.3	-	2.7	---	3.0	--	2.3	--	1.0	-
DKC3747	3.3	-----	3.3	-----	4.0	-----	4.3	-----	1.3	--
Interactis	3.0	----	2.7	---	3.7	----	4.0	-----	1.7	----
RH24024	2.3	-	2.7	---	3.3	---	2.0	-	1.3	--
RH24021	2.9	----	3.3	-----	4.3	-----	2.3	--	1.7	----
KXC4123	2.5	--	2.7	---	3.0	--	2.0	-	2.3	-----
KXC4131	3.0	----	3.0	-----	4.0	-----	3.0	----	2.0	-----
KXC4315	2.6	---	2.3	-	3.7	----	2.3	--	2.0	-----
KXC4317	3.1	-----	3.3	-----	3.7	----	2.3	--	3.0	-----
KXC4318	2.3	-	2.3	-	3.0	--	2.3	--	1.7	----
P89699	2.5	--	3.0	-----	3.0	--	2.3	--	1.7	----
SB2163	3.3	-----	3.3	-----	4.3	-----	3.0	----	2.7	-----
SA1934	3.2	-----	3.7	-----	3.7	----	3.3	----	2.0	-----
-Bezugsgrösse(n)	3.3	-----	3.2	-----	4.2	-----	4.0	-----	1.8	----
Versuchs-Mittel	2.9	----	3.0	-----	3.7	----	3.1	----	1.8	----
VK [%]	19.3		15.7		16.2		18.6		33.0	
KGD (5%)	0.5		0.8		1.0		1.0		1.0	
KGD (1%)	0.6		1.0		1.3		1.3		1.3	
Versuchs-Streuung	0.6		0.5		0.6		0.6		0.6	
FG Fehlerterm	178.0		44.0		46.0		44.0		44.0	
Anz. Beob.	12.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	53.0		23		7.34 ***		1.59		0.0000	
Anbauorte	148.5		3		157.77 ***		2.66		0.0000	
WW Verf.*Anb.Orte	68.5		69		3.17 ***		1.37		0.0001	
Fehler	55.9		178							
Insgesamt	325.9		273							

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		3065 Habstetten		8046 Reckenholz ZH	
P9903	1.0	-	1.2	---	0.0	-	1.5	-	1.1	-----
P8834	9.5	-----	5.2	-----	1.9	-----	1.6	-	0.0	-
SY Fregat	1.0	-	0.0	-	0.4	--	2.5	--	0.0	-
DKC 3595	2.6	---	1.7	----	1.1	----	1.8	--	0.0	-
Akanto	2.4	---	1.7	----	0.0	-	1.6	-	0.0	-
Pilgrim	1.7	--	1.2	---	1.1	----	4.4	---	0.0	-
P8902	3.1	----	1.6	----	0.8	----	7.6	----	0.0	-
DKC 4042	1.6	--	2.8	-----	1.5	-----	2.0	--	0.0	-
RGT Peterxxon	1.8	--	0.8	--	0.0	-	0.9	-	0.6	-----
SB1653	1.6	--	1.2	---	0.0	-	5.6	---	0.0	-
LZM273/14	1.2	--	1.8	----	0.4	--	0.0	-	0.6	-----
DKC3940	1.7	--	0.7	--	0.0	-	1.2	-	0.0	-
DKC3747	1.9	--	0.0	-	0.0	-	0.9	-	0.0	-
Interactis	1.6	--	0.9	--	0.0	-	0.9	-	0.0	-
RH24024	2.1	--	2.4	----	0.0	-	2.3	--	0.0	-
RH24021	0.4	-	0.3	-	0.0	-	0.9	-	0.0	-
KXC4123	0.9	-	1.6	----	0.4	--	0.4	-	0.0	-
KXC4131	2.3	---	0.8	--	0.0	-	4.1	---	0.0	-
KXC4315	1.1	-	0.9	--	0.0	-	1.8	--	0.0	-
KXC4317	6.6	-----	3.8	-----	0.0	-	19.4	-----	0.0	-
KXC4318	0.8	-	0.8	--	0.0	-	0.0	-	0.0	-
P89699	1.5	--	3.0	-----	1.2	----	1.5	-	0.6	-----
SB2163	1.8	--	2.7	-----	0.7	---	1.1	-	0.0	-
SA1934	8.7	-----	4.6	-----	2.6	-----	5.2	---	0.0	-
-Bezugsgrösse(n)	1.7	--	0.8	--	0.2	-	2.1	--	0.0	-
Versuchs-Mittel	2.4	---	1.7	----	0.5	---	2.9	--	0.1	--
VK [%]	99.9		113.9		195.5		88.2		429.3	
KGD (5%)	1.5		ns		ns		4.2		ns	
KGD (1%)	2.0		ns		ns		5.6		ns	
Versuchs-Streuung	2.4		2.0		1.0		2.5		0.5	
FG Fehlerterm	291.0		46.0		46.0		44.0		44.0	
Anz. Beob.	20.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	2579.1		23		18.80 ***		1.57		0.0000	
Anbauorte	1314.4		6		36.72 ***		2.13		0.0000	
WW Verf.*Anb.Orte	5399.5		138		6.56 ***		1.27		0.0000	
Fehler	1736.0		291							
Insgesamt	11029.1		458							

Charbon [%] / Beulenbrand [%]

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG	9465 Salez
P9903	0.0 -	1.9 --	1.3 -
P8834	36.3 -----	7.9 -----	13.2 -----
SY Fregat	0.0 -	2.6 ---	1.3 -
DKC 3595	4.2 --	2.8 ---	6.6 ---
Akanto	5.8 --	7.0 -----	0.6 -
Pilgrim	0.0 -	2.7 ---	2.5 -
P8902	0.6 -	8.0 -----	2.9 -
DKC 4042	1.2 -	0.8 -	2.4 -
RGT Peterxxon	1.4 -	3.5 ---	5.5 --
SB1653	1.2 -	0.0 -	3.2 --
LZM273/14	0.0 -	2.7 ---	3.0 -
DKC3940	0.6 -	4.4 ----	4.7 --
DKC3747	1.2 -	3.4 ---	7.8 ---
Interactis	0.0 -	2.8 ---	6.2 ---
RH24024	0.6 -	5.6 -----	3.6 --
RH24021	0.0 -	0.0 -	1.2 -
KXC4123	0.7 -	2.7 ---	0.6 -
KXC4131	0.6 -	0.9 -	9.9 ----
KXC4315	0.0 -	1.8 --	3.1 -
KXC4317	8.9 ---	11.5 -----	3.0 -
KXC4318	0.7 -	0.9 -	3.5 --
P89699	0.0 -	0.9 -	3.1 -
SB2163	1.8 -	0.9 -	5.6 --
SA1934	6.3 --	13.1 -----	29.2 -----
-Bezugsgrösse(n)	2.9 -	4.8 ----	0.9 -
Versuchs-Mittel	3.0 -	3.7 ---	5.2 --
VK [%]	69.1	95.0	79.4
KGD (5%)	3.4	ns	6.8
KGD (1%)	4.6	ns	9.0
Versuchs-Streuung	2.1	3.5	4.1
FG Fehlerterm	44.0	23.0	44.0
Anz. Beob.	3.0	2.0	3.0

Fusariose sur épi [note] / Fusarien auf dem Kolben [Note]

Verfahren	Seriemittel		8194 Hüntwangen ZH		8566 Ellighausen TG	
P9903	1.1	--	1.2	---	1.0	-
P8834	1.2	---	1.3	----	1.1	--
SY Fregat	1.1	--	1.2	---	1.0	-
DKC 3595	1.2	---	1.1	--	1.3	---
Akanto	1.1	--	1.2	---	1.0	-
Pilgrim	1.5	-----	1.5	-----	1.5	-----
P8902	1.2	---	1.3	----	1.0	-
DKC 4042	1.4	----	1.4	----	1.3	---
RGT Peterxxon	1.0	-	1.0	-	1.0	-
SB1653	1.1	--	1.2	---	1.0	-
LZM273/14	1.4	----	1.4	----	1.3	---
DKC3940	1.5	-----	1.4	----	1.6	-----
DKC3747	1.6	-----	1.8	-----	1.4	----
Interactis	1.2	---	1.3	----	1.2	--
RH24024	1.2	---	1.3	----	1.0	-
RH24021	1.5	-----	1.4	----	1.6	-----
KXC4123	1.1	-	1.1	-	1.0	-
KXC4131	1.3	----	1.5	-----	1.0	-
KXC4315	1.7	-----	1.6	-----	1.8	-----
KXC4317	1.1	--	1.2	---	1.0	-
KXC4318	1.8	-----	1.5	-----	2.1	-----
P89699	1.1	-	1.1	--	1.0	-
SB2163	1.2	---	1.2	--	1.2	--
SA1934	1.1	--	1.1	-	1.2	--

-Bezugsgrösse(n)	1.1	--	1.2	---	1.0	-
Versuchs-Mittel	1.3	----	1.3	----	1.2	---

VK [%]	20.2		18.0		23.6	
KGD (5%)	0.3		0.4		0.6	
KGD (1%)	0.4		ns		ns	
Versuchs-Streuung	0.3		0.2		0.3	
FG Fehlerterm	67.0		44.0		23.0	
Anz. Beob.	5.0		3.0		2.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	5.2	23	3.45	***	1.69	0.0002
Anbauorte	0.3	1	3.97	ns	3.98	0.0504
WW Verf.*Anb.Orte	1.6	23	1.06	ns	1.69	0.4084
Fehler	4.4	67				
Insgesamt	11.4	114				

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
P9903	3.3 -----	3.3 -----
P8834	2.7 -----	2.7 -----
SY Fregat	4.0 -----	4.0 -----
DKC 3595	4.7 -----	4.7 -----
Akanto	2.3 -----	2.3 -----
Pilgrim	3.3 -----	3.3 -----
P8902	3.7 -----	3.7 -----
DKC 4042	1.0 -	1.0 -
RGT Peterxxon	2.7 -----	2.7 -----
SB1653	2.3 -----	2.3 -----
LZM273/14	3.0 -----	3.0 -----
DKC3940	4.3 -----	4.3 -----
DKC3747	4.0 -----	4.0 -----
Interactis	4.0 -----	4.0 -----
RH24024	1.7 --	1.7 --
RH24021	3.3 -----	3.3 -----
KXC4123	2.3 -----	2.3 -----
KXC4131	5.0 -----	5.0 -----
KXC4315	3.7 -----	3.7 -----
KXC4317	4.0 -----	4.0 -----
KXC4318	1.7 --	1.7 --
P89699	1.3 -	1.3 -
SB2163	3.0 -----	3.0 -----
SA1934	2.3 -----	2.3 -----
-Bezugsgrösse(n)	3.2 -----	3.2 -----
Versuchs-Mittel	3.1 -----	3.1 -----
VK [%]	27.0	27.0
KGD (5%)	1.4	1.4
KGD (1%)	1.8	1.8
Versuchs-Streuung	0.8	0.8
FG Fehlerterm	46.0	46.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1567 Delley FR		1896 Vouvry		3065 Habstetten	
P9903	8.3	-----	8.8	-----	7.5	-	9.2	-----	8.9	-----
P8834	8.2	-----	8.3	---	7.5	-	8.8	-----	8.4	-----
SY Fregat	7.8	-	8.4	----	7.5	-	8.9	-----	6.6	-
DKC 3595	8.1	-----	8.3	---	7.5	-	8.9	-----	7.5	----
Akanto	7.9	---	7.9	-	7.5	-	8.3	-	8.5	-----
Pilgrim	8.0	----	7.9	-	7.5	-	9.0	-----	7.6	----
P8902	8.2	-----	8.3	---	7.5	-	8.9	-----	8.2	-----
DKC 4042	8.2	-----	8.6	-----	7.5	-	8.8	-----	8.3	-----
RGT Peterxxon	8.0	----	8.1	--	7.5	-	8.5	---	7.7	-----
SB1653	8.0	-----	8.7	-----	7.5	-	8.9	-----	7.0	--
LZM273/14	8.3	-----	9.0	-----	7.5	-	8.8	-----	8.6	-----
DKC3940	8.3	-----	8.6	-----	7.5	-	9.0	-----	8.3	-----
DKC3747	8.3	-----	8.7	-----	7.5	-	9.1	-----	8.3	-----
Interactis	7.8	-	7.9	-	7.5	-	8.4	--	7.6	----
RH24024	8.2	-----	8.3	----	7.5	-	8.4	--	8.9	-----
RH24021	8.1	-----	9.4	-----	7.5	-	8.6	----	8.1	-----
KXC4123	8.2	-----	8.6	-----	7.5	-	9.3	-----	8.0	-----
KXC4131	8.3	-----	8.5	-----	7.5	-	9.2	-----	7.9	-----
KXC4315	8.3	-----	8.5	-----	7.5	-	9.2	-----	8.9	-----
KXC4317	8.3	-----	8.7	-----	7.5	-	8.8	-----	8.8	-----
KXC4318	8.2	-----	8.4	----	7.5	-	8.9	-----	8.5	-----
P89699	8.2	-----	8.5	-----	7.5	-	8.8	-----	8.8	-----
SB2163	8.3	-----	8.6	-----	7.5	-	9.2	-----	9.0	-----
SA1934	8.4	-----	8.7	-----	7.5	-	9.2	-----	9.0	-----
-Bezugsgrösse(n)	7.9	--	8.1	--	7.5	-	8.6	----	7.5	-----
Versuchs-Mittel	8.2	-----	8.5	-----	7.5	-	8.9	-----	8.2	-----
VK [%]	4.7		6.3		0.0		2.4		8.2	
KGD (5%)	0.2		ns		ns		0.4		1.1	
KGD (1%)	0.3		ns		ns		0.5		1.5	
Versuchs-Streuung	0.4		0.5		0.0		0.2		0.7	
FG Fehlerterm	333.0		44.0		46.0		44.0		44.0	
Anz. Beob.	23.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	12.9		23		3.81 ***		1.56		0.0001	
Anbauorte	78.2		7		76.05 ***		2.04		0.0000	
WW Verf.*Anb.Orte	41.5		161		1.75 ***		1.24		0.0008	
Fehler	48.9		333							
Insgesamt	181.5		524							

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

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9465 Salez
P9903	8.2 -----	8.1 -----	7.8 --	7.7 ---
P8834	8.1 -----	8.4 -----	8.0 ----	8.0 -----
SY Fregat	7.6 -	7.8 ----	8.2 -----	7.7 --
DKC 3595	8.2 -----	7.9 ----	8.2 -----	8.1 -----
Akanto	7.8 ----	7.5 -	8.5 -----	7.5 -
Pilgrim	7.6 -	7.9 ----	8.3 -----	7.8 ----
P8902	8.2 -----	8.2 -----	8.0 ----	8.0 -----
DKC 4042	8.0 -----	8.0 -----	8.6 -----	7.9 ----
RGT Peterxxon	8.0 -----	7.6 -	8.2 -----	8.0 -----
SB1653	8.1 -----	8.2 -----	8.1 ----	7.7 --
LZM273/14	8.0 -----	7.9 ----	8.2 ----	8.0 -----
DKC3940	8.2 -----	8.1 -----	8.3 -----	8.0 -----
DKC3747	8.2 -----	8.0 -----	8.3 -----	8.1 -----
Interactis	7.9 ----	7.6 --	7.7 -	7.7 --
RH24024	8.4 -----	8.2 -----	7.8 --	8.0 -----
RH24021	7.7 --	7.9 ----	8.0 ----	7.8 ----
KXC4123	8.2 -----	8.0 -----	7.9 ---	7.8 ----
KXC4131	8.3 -----	8.4 -----	8.1 -----	8.3 -----
KXC4315	8.3 -----	8.2 -----	8.1 -----	7.8 ----
KXC4317	7.8 ----	8.1 -----	8.2 ----	8.2 -----
KXC4318	8.0 -----	7.8 ----	8.3 -----	8.3 -----
P89699	8.3 -----	7.5 -	8.4 -----	7.6 --
SB2163	7.8 ----	7.9 ----	8.1 -----	7.9 ----
SA1934	8.3 -----	7.7 ---	8.3 -----	8.1 -----
-Bezugsgrösse(n)	7.7 --	7.7 --	8.3 -----	7.6 --
Versuchs-Mittel	8.0 -----	8.0 -----	8.2 -----	7.9 -----
VK [%]	3.2	4.1	3.3	4.2
KGD (5%)	0.4	0.5	ns	ns
KGD (1%)	0.6	ns	ns	ns
Versuchs-Streuung	0.3	0.3	0.3	0.3
FG Fehlerterm	44.0	44.0	23.0	44.0
Anz. Beob.	3.0	3.0	2.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9903	170.4 -----	204.9 -----	129.0 -----	198.0 -----	186.4 -----
P8834	160.0 -----	183.5 -----	131.0 -----	191.7 -----	179.7 -----
SY Fregat	157.4 ----	189.9 -----	115.7 ---	175.4 ---	191.7 -----
DKC 3595	150.5 -	178.1 ----	114.3 --	168.0 -	173.2 ---
Akanto	163.5 -----	184.3 -----	128.2 -----	180.4 ----	181.4 ----
Pilgrim	164.1 -----	198.1 -----	120.5 ----	180.3 ----	215.9 -----
P8902	156.8 ----	172.3 --	128.5 -----	187.8 -----	163.1 -
DKC 4042	165.5 -----	201.7 -----	140.2 -----	192.2 -----	176.0 ---
RGT Peterxxon	158.2 ----	186.0 -----	129.2 -----	170.9 -	181.1 ----
SB1653	158.1 ----	196.9 -----	120.7 ----	183.9 ----	193.8 -----
LZM273/14	158.4 ----	172.3 --	128.4 -----	180.4 ----	176.0 ---
DKC3940	166.5 -----	190.5 -----	126.0 ----	193.1 -----	189.7 -----
DKC3747	161.0 -----	180.9 ----	133.6 -----	186.9 -----	180.0 ----
Interactis	158.7 ----	177.1 ---	129.6 -----	181.1 ----	182.6 ----
RH24024	165.8 -----	200.5 -----	124.4 ----	184.1 ----	185.2 ----
RH24021	160.5 ----	197.6 -----	125.8 ----	178.3 ----	185.4 ----
KXC4123	162.0 -----	166.8 -	136.8 -----	194.9 -----	182.4 ----
KXC4131	166.2 -----	180.3 ----	108.6 -	183.6 ----	187.8 ----
KXC4315	162.2 -----	183.0 ----	115.3 --	180.7 ----	188.0 ----
KXC4317	151.4 -	166.9 -	117.6 ---	168.1 -	181.5 ----
KXC4318	162.7 ----	184.2 ----	117.0 ---	181.4 ----	175.1 ---
P89699	171.9 -----	191.6 -----	145.3 -----	202.1 -----	200.7 -----
SB2163	157.7 ----	184.5 ----	127.0 -----	184.6 ----	187.0 ----
SA1934	164.8 -----	185.9 -----	126.6 -----	182.8 ----	179.8 ----
-Bezugsgrösse(n)	160.4 ----	187.1 -----	121.9 ----	177.9 ---	186.6 ----
Versuchs-Mittel	161.4 -----	185.7 -----	125.8 -----	183.8 -----	184.3 -----
VK [%]	5.2	4.0	4.2	3.3	5.6
KGD (5%)	4.9	12.3	8.8	10.0	17.0
KGD (1%)	6.4	16.4	11.7	13.4	22.8
Versuchs-Streuung	8.4	7.5	5.3	6.1	10.4
FG Fehlerterm	310.0	44.0	44.0	44.0	44.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14107.0	23	8.67 ***	1.56	0.0000
Anbauorte	299060.4	7	604.00 ***	2.04	0.0000
WW Verf.*Anb.Orte	54771.2	161	4.81 ***	1.25	0.0000
Fehler	21927.3	310			
Insgesamt	389865.9	501			

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

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9465 Salez
P9903	157.8 -----	181.0 -----	135.0 ----	171.2 -----
P8834	156.6 -----	160.4 -	141.0 -----	135.9 ----
SY Fregat	157.9 -----	179.7 -----	133.9 ----	114.6 --
DKC 3595	144.6 --	169.8 ----	146.9 -----	109.1 -
Akanto	158.2 -----	179.1 -----	142.8 -----	154.0 -----
Pilgrim	152.8 ----	184.3 -----	137.1 ----	123.9 ---
P8902	139.3 -	191.1 -----	125.5 --	147.1 -----
DKC 4042	162.2 -----	170.2 ----	124.8 --	156.9 -----
RGT Peterxxon	154.9 -----	188.6 -----	128.2 ---	126.8 ----
SB1653	155.3 -----	187.2 -----	120.8 -	106.1 -
LZM273/14	147.7 ----	178.2 ----	131.5 ----	153.0 -----
DKC3940	161.0 -----	183.7 -----	135.0 ----	152.7 -----
DKC3747	146.6 ---	168.0 ---	152.6 -----	139.6 ----
Interactis	157.5 -----	176.1 ----	153.3 -----	111.8 -
RH24024	164.4 -----	189.3 -----	133.2 ----	145.1 -----
RH24021	161.3 -----	179.5 -----	133.1 ----	123.1 ---
KXC4123	147.2 ---	175.1 ----	162.3 -----	130.7 ----
KXC4131	167.7 -----	186.1 -----	149.8 -----	165.7 -----
KXC4315	163.4 -----	191.1 -----	117.8 -	158.5 -----
KXC4317	144.2 --	166.4 ---	153.0 -----	113.1 --
KXC4318	154.3 -----	183.3 -----	146.2 -----	160.5 -----
P89699	149.4 ----	187.7 -----	136.2 ----	162.2 -----
SB2163	146.9 ---	182.2 -----	130.4 ---	119.1 ---
SA1934	158.4 -----	187.4 -----	162.1 -----	135.8 ----
-Bezugsgrösse(n)	158.1 -----	179.4 -----	138.3 ----	134.3 ----
Versuchs-Mittel	154.6 -----	180.3 -----	138.9 ----	138.2 -----
VK [%]	5.1	5.2	10.0	4.2
KGD (5%)	13.0	15.4	ns	9.8
KGD (1%)	17.3	20.5	ns	13.3
Versuchs-Streuung	7.9	9.3	13.9	5.8
FG Fehlerterm	43.0	46.0	23.0	22.0
Anz. Beob.	3.0	3.0	2.0	3.0

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel		1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9903	106.5	-----	109.5	-----	111.3	-----
P8834	100.1	-----	98.1	-----	107.8	-----
SY Fregat	97.5	---	101.5	---	98.6	---
DKC 3595	93.7	-	95.2	---	94.5	-
Akanto	102.5	-----	98.5	-----	101.4	-----
Pilgrim	101.6	-----	105.9	-----	101.3	-----
P8902	98.2	---	92.1	--	105.6	-----
DKC 4042	103.7	-----	107.8	-----	108.1	-----
RGT Peterxxon	98.6	---	99.4	-----	96.1	-
SB1653	97.6	---	105.2	-----	103.4	-----
LZM273/14	99.4	-----	92.1	--	101.4	---
DKC3940	103.9	-----	101.8	-----	108.5	-----
DKC3747	101.0	-----	96.7	---	105.1	-----
Interactis	99.1	---	94.6	---	101.8	---
RH24024	103.2	-----	107.2	-----	103.5	-----
RH24021	99.8	-----	105.6	-----	100.2	---
KXC4123	101.8	-----	89.1	-	109.6	-----
KXC4131	103.9	-----	96.3	---	103.2	-----
KXC4315	101.0	-----	97.8	---	101.6	---
KXC4317	94.5	-	89.2	-	94.5	-
KXC4318	101.9	-----	98.4	---	102.0	---
P89699	107.6	-----	102.4	-----	113.6	-----
SB2163	98.0	---	98.6	---	103.8	---
SA1934	103.2	-----	99.4	-----	102.8	---
-Bezugsgrösse(n)	100.0	-----	100.0	-----	100.0	-----
Versuchs-Mittel	100.8	-----	99.3	-----	103.3	-----
VK [%]	5.2		4.0		3.3	5.6
KGD (5%)	3.0		6.6		5.6	9.1
KGD (1%)	4.0		8.8		7.5	12.2
Versuchs-Streuung	5.2		4.0		3.4	5.6
FG Fehlerterm	310.0		44.0		44.0	44.0
Anz. Beob.	23.0		3.0		3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	5996.9	23	9.55 ***	1.56	0.0000	
Anbauorte	2211.8	7	11.57 ***	2.04	0.0000	
WW Verf.*Anb.Orte	25743.4	161	5.86 ***	1.25	0.0000	
Fehler	8465.0	310				
Insgesamt	42417.1	501				

Rendement relatif [%] / Relativertrag [%]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9465 Salez
P9903	99.8 -----	100.9 -----	97.6 ----	127.5 -----
P8834	99.1 -----	89.4 -	101.9 -----	101.2 ----
SY Fregat	99.9 -----	100.2 -----	96.8 ----	85.3 --
DKC 3595	91.5 --	94.7 ----	106.2 -----	81.2 -
Akanto	100.1 -----	99.8 -----	103.2 -----	114.7 -----
Pilgrim	96.6 ----	102.8 -----	99.1 ----	92.2 ---
P8902	88.1 -	106.5 -----	90.7 --	109.5 -----
DKC 4042	102.6 -----	94.9 ----	90.2 --	116.8 -----
RGT Peterxxon	98.0 ----	105.1 -----	92.6 ---	94.4 ----
SB1653	98.2 ----	104.4 -----	87.3 -	79.0 -
LZM273/14	93.4 ----	99.3 ----	95.1 ----	113.9 -----
DKC3940	101.9 -----	102.4 -----	97.6 ----	113.7 -----
DKC3747	92.7 ---	93.7 ---	110.3 -----	103.9 -----
Interactis	99.6 -----	98.2 ----	110.8 -----	83.3 -
RH24024	104.0 -----	105.5 -----	96.3 ----	108.0 -----
RH24021	102.0 -----	100.1 -----	96.2 ----	91.7 ---
KXC4123	93.1 ---	97.6 ----	117.3 -----	97.3 ----
KXC4131	106.1 -----	103.8 -----	108.3 -----	123.4 -----
KXC4315	103.4 -----	106.5 -----	85.2 -	118.0 -----
KXC4317	91.3 --	92.8 ---	110.6 -----	84.2 --
KXC4318	97.6 ----	102.2 -----	105.7 -----	119.5 -----
P89699	94.5 ----	104.6 -----	98.4 ----	120.8 -----
SB2163	92.9 ---	101.6 -----	94.3 ---	88.7 ---
SA1934	100.2 -----	104.5 -----	117.1 -----	101.1 ----
-Bezugsgrösse(n)	100.0 -----	100.0 -----	100.0 ----	100.0 ----
Versuchs-Mittel	97.8 -----	100.5 -----	100.4 ----	102.9 -----
VK [%]	5.1	5.2	10.0	4.2
KGD (5%)	8.2	8.6	ns	7.3
KGD (1%)	11.0	11.4	ns	9.9
Versuchs-Streuung	5.0	5.2	10.1	4.3
FG Fehlerterm	43.0	46.0	23.0	22.0
Anz. Beob.	3.0	3.0	2.0	3.0

Précocité [% MS] / Frühereife [% TS]

Verfahren	Seriemittel		1260 Nyon		1567 Delley FR		1896 Vouvry		3065 Habstetten	
P9903	71.9	--	80.8	----	73.8	----	76.4	----	66.9	----
P8834	75.0	-----	84.1	-----	77.0	-----	80.1	-----	69.1	-----
SY Fregat	76.7	-----	84.9	-----	77.4	-----	82.6	-----	70.3	-----
DKC 3595	76.6	-----	84.8	-----	77.2	-----	80.5	-----	72.4	-----
Akanto	75.6	-----	84.2	-----	76.3	-----	79.8	-----	70.7	-----
Pilgrim	71.2	-	78.4	-	73.9	----	73.3	-	63.9	-
P8902	75.4	-----	83.8	-----	76.6	-----	79.9	-----	72.1	-----
DKC 4042	73.2	----	82.9	-----	73.9	----	78.0	-----	67.9	----
RGT Peterxxon	73.6	----	82.9	-----	75.5	-----	78.7	-----	68.3	-----
SB1653	73.5	----	83.2	-----	75.2	-----	78.3	-----	66.9	----
LZM273/14	74.7	-----	82.1	-----	76.2	-----	75.3	---	69.2	-----
DKC3940	74.7	-----	83.7	-----	75.6	-----	79.9	-----	70.1	-----
DKC3747	76.7	-----	84.4	-----	76.5	-----	80.7	-----	71.2	-----
Interactis	74.8	-----	83.5	-----	76.1	-----	80.0	-----	68.4	-----
RH24024	72.7	---	81.6	-----	75.3	-----	76.9	----	67.0	----
RH24021	74.2	-----	82.5	-----	75.5	-----	79.9	-----	67.7	-----
KXC4123	75.2	-----	83.1	-----	75.7	-----	78.6	-----	69.9	-----
KXC4131	74.2	-----	81.3	-----	76.1	-----	77.6	-----	69.6	-----
KXC4315	73.4	-----	82.6	-----	74.5	-----	78.2	-----	67.1	----
KXC4317	76.8	-----	83.7	-----	76.3	-----	79.6	-----	70.8	-----
KXC4318	74.0	-----	82.4	-----	75.0	-----	77.4	-----	68.8	-----
P89699	73.1	----	83.0	-----	74.2	-----	78.4	-----	68.5	-----
SB2163	72.4	---	80.2	---	71.9	-	74.9	--	67.5	----
SA1934	73.2	----	80.3	----	73.0	---	76.1	----	68.0	----
-Bezugsgrösse(n)	76.2	-----	84.5	-----	76.8	-----	81.2	-----	70.5	-----
Versuchs-Mittel	74.3	-----	82.7	-----	75.4	-----	78.4	-----	68.8	-----
VK [%]	1.1		0.5		0.8		0.5		1.6	
KGD (5%)	0.5		0.7		1.0		0.6		1.8	
KGD (1%)	0.6		1.0		1.3		0.8		2.5	
Versuchs-Streuung	0.8		0.4		0.6		0.4		1.1	
FG Fehlerterm	335.0		44.0		46.0		44.0		44.0	
Anz. Beob.	23.0		3.0		3.0		3.0		3.0	
Varianz-Analyse										
	S.Q.		FG		F-Wert		F(95%)		P0	
Verfahren	1263.9		23		82.23	***	1.56		0.0000	
Anbauorte	11803.5		7		2523.23	***	2.04		0.0000	
WW Verf.*Anb.Orte	685.6		161		6.37	***	1.24		0.0000	
Fehler	223.9		335							
Insgesamt	13976.9		526							

Précocité [% MS] / Frühereife [% TS]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9465 Salez
P9903	72.1 ---	72.2 ---	63.7 -	69.1 -
P8834	75.7 -----	73.1 ----	68.5 -----	72.5 ----
SY Fregat	76.6 -----	75.1 -----	69.8 -----	77.2 -----
DKC 3595	77.3 -----	75.1 -----	70.0 -----	75.8 -----
Akanto	77.0 -----	77.1 -----	65.9 ----	73.8 -----
Pilgrim	70.6 -	70.8 -	68.0 -----	71.0 ---
P8902	75.7 -----	74.2 -----	67.1 ----	73.6 -----
DKC 4042	75.0 -----	74.1 -----	63.9 -	70.3 --
RGT Peterxxon	74.2 ----	74.9 -----	64.2 --	70.4 --
SB1653	75.0 -----	73.2 ----	63.1 -	73.5 -----
LZM273/14	75.1 -----	73.4 ----	69.9 -----	76.3 -----
DKC3940	75.3 -----	74.2 -----	67.7 ----	71.2 ---
DKC3747	77.8 -----	76.8 -----	71.3 -----	74.9 -----
Interactis	75.8 -----	75.2 -----	66.5 ----	73.1 -----
RH24024	72.3 ---	74.2 -----	64.8 ---	70.0 --
RH24021	74.9 -----	72.9 ----	66.7 ----	73.2 -----
KXC4123	77.1 -----	75.3 -----	68.9 -----	73.4 -----
KXC4131	74.4 -----	73.4 ----	67.8 ----	73.2 -----
KXC4315	74.3 ----	74.4 -----	64.6 --	71.8 ----
KXC4317	78.3 -----	77.2 -----	71.5 -----	76.8 -----
KXC4318	74.6 -----	73.7 ----	67.0 ----	72.8 ----
P89699	73.8 ----	72.3 ---	65.0 ---	70.1 --
SB2163	73.4 ----	72.1 ---	68.1 -----	71.2 ---
SA1934	74.1 ----	72.9 ----	68.6 -----	72.8 ----
-Bezugsgrösse(n)	76.8 -----	76.1 -----	67.9 -----	75.5 -----
Versuchs-Mittel	75.0 -----	74.1 -----	67.2 ----	72.8 ----
VK [%]	0.9	0.8	2.4	1.4
KGD (5%)	1.1	1.0	3.3	1.6
KGD (1%)	1.5	1.4	4.5	2.2
Versuchs-Streuung	0.7	0.6	1.6	1.0
FG Fehlerterm	44.0	46.0	23.0	44.0
Anz. Beob.	3.0	3.0	2.0	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	430	28.04.2025	16.10.2025
1567	Delley (Avenches)	432	30.04.2025	10.11.2025
1896	Vouvry	404	02.05.2025	10.11.2025
8046	Reckenholz	440	28.04.2025	13.11.2025
8194	Hüntwangen	384	30.04.2025	07.11.2025
9465	Salez	445	15.05.2025	01.11.2025 †

† Ertragsdaten nicht für Auswertung berücksichtigt / Informations liées au rendement 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
P9903	X00C209	SC	Pioneer	Pioneer, Versoix	KM41/S+KM31/S	
P8834	X90M326	SC	Pioneer	Pioneer, Versoix	KM21/S	
SY Fregat	SB1497	SC	Syngenta, CH	Syngenta, Stein	KM21/S	
LG 31272	LZM 267/54	SC	Limagrain, Europe	Fenaco, Moudon	KM31/S	SM11/S
P8902	1090A299-01	SC	Pioneer	Pioneer, Versoix	KM31/S	
RGT Peterxxon	RH22026	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e2	
P9944	1099A002-01	SC	Pioneer	Pioneer, Versoix	KM31/e2	SM31/e2
	RH24024	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e1	
	KXC4373	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM31/e1	
	KXC4381	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM31/e1	
	KXC4387	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM31/e1	
	1097F714-01	SC	Pioneer	Pioneer, Versoix	KM31/e1	SM21/e1
	1092F858-01	SC	Pioneer	Pioneer, Versoix	KM31/e1	
SY Evident	SC4552	SC	Syngenta, CH	Syngenta, Stein	KM31/e1	SM31/e1
SY Remco	SA2071	SC	Syngenta, CH	Syngenta, Stein	KM31/e1	SM21/e2
P0725	X8K803	SC	Pioneer	Pioneer, Versoix	KM42/S	
P9610	X95M764	SC	Pioneer	Pioneer, Versoix	FS	SM21/S
LID4040C	LID4040C		Lidea, Norderstedt		FS	
Arcadio			IG Pflanzenz.		FS	
Foxway			Saatbau Linz		FS	

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

Technische Versuchsausgaben / données techniques / technical information						
Standort / lieu / site:	Nyon (408 m ü.M.)	Avenches (432 m ü.M.)	Vouvry (404 m ü.M.)	Reckenholz (384 m ü.M.)	Hüntwangen (384 m ü.M.)	Salez (445 m ü.M.)
Bodenart / type de sol / soil type:	Limono sableux	Argile tourbeux	Limono sableux (argile 10-20%) - MO 2,7 % - CaCO3 total 4,9 % pH 6,1)	Parabraune rde	Braunerde, tieflündig, sandiger Lehm	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):	402,6 mm (Meteostation Changins) 2083,8 °C (Meteostation Changins) Irrigation: 25.06.2025 30 mm 02.07.2025 30 mm 09.07.2025 30 mm	639,3 mm (selon Agrometeo, station Delley) 1971,8 °C (selon Agrometeo, station Delley)	620 mm (selon météo Suisse, station Aigle) 2020,85 °C (selon météo Suisse, station Aigle)	684,1 mm (Meteostation Reckenholz) 1944,15 °C (Meteostation Reckenholz)	691,1 mm (Agrometeo Wil-ZH) 1948,8 °C (Agrometeo Wil-ZH)	831,7 mm (Agrometeo Salez) 1836,2 °C (Agrometeo Salez)
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengröße / grandeur d'une parcelle / plot size:	4reihig, mit 1,33m Weg (20 m2 brutto), 10m2 netto	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	4 reihig, mit 1,33m Weg (20 m2 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:	bifé printemps + engrais vert / Sommerweizen + Gründüngung	Colza / EV: Phacélie	betteraves à sucre	Prairie temporaire / Kunstwiese / temporary grassland	Weizen, Gründüngung: UFA Lepha	Kunstwiese 230
Bodenbearbeitung / travail du sol / soil cultivation:	25.03.2025 cultivateur pattes d'oies 25.04.2025 vibroculteur 28.04.2025 herse rotative	08.11.24 décompactage, 30.04.25 Herse rotative	Labour 28.04.2025, Herse rotative 29.04.2025	16.04.25 Pflug, 27.04.25 Kreiselegge	20.03.25 Grubber, 29.04.25 Kreiselegge	03.05.25 Pflug, 08.05.25 Kreiselegge
Saat / date de semis / sowing date:	28.04.2025 (jour 118)	02.05.2025	30.04.2025 (jour 120)	28.04.2025	30.04.2025	15.05.2025
Ernte / date de récolte / harvest date:	16.10.2025 (jour 289)	10.11.2025	10.11.2025 (jour 314)	13.11.2025	07.11.2025	01.11.2025
Saatdichte / densité de semis / sowing density:	9,0 Körner / grains pro m²	10,9 Körner / grains pro m², éclairci à 8,7 plantes pro m²	9,0 Körner / grains pro m²	9,0 Körner / grains pro m²	9,0 Körner / grains pro m²	9,0 Körner / grains pro m²
Vegetationsdauer / durée de vegetation / growing period	171 Tage / jours / days	182 Tage / jours / days	184 Tage / jours / days	189 Tage / jours / days	191 Tage / jours / days	170 Tage / jours / days
Reihenabstand / interlignes / row distance:	75 cm	80 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:	27.05.2025 : Equip power 1,25 l/ha 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	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	27.05.25: 2,0l/ha Laudis + 0,2 l/ha BanvelDS + 1,4 l/ha Spectrum	10.06.25: 1,5l/ha Equip Power + 1,2 l/ha Spectrum
Grunddüngung / fumure de base / basic fertilisation:	06.08.2024 37 m3 Liser bovins 5-10-20 : 18,5 kg N 37 kg P2O5 74 kg K2O	-	28.04.2025 500 kg/ha (Lander 13,9 kg) : 65 kg N/ha, 45 kg P2O5/ha, 80 kg K2O/ha	14.04.25: 45l/ha Stoppelster (40,5 l/ 56,5 l/ 229,5 kg NPK/ha) + 40kg Vollgülle 1:1 verdünnt (80 l/ 14,8 l/ 124 kg NPK/ha)	22.04.25: 35m3/ha Biogasgülle (115 l/ 35 l/ 74kg NPK/ha)	06.03.25: 20m3/ha Gülle (ca. 60 l/ 84 kg NPK/ha), 03.05.25: 25m3/ha Mist (ca. 73 l/ 21,3 l/ 82,87kg NPK/ha)
N-Düngung / fumure N / N fertilisation:	30.04.2025 : 110 kg/ha Ammonitrate 27,5:0:0 : 60 N 28-05-2025 46:0:0 : 51 N	11.04.25: 380kg/ha Urée (46%) (174kg N/ha)	28.04.2025 400 kg/ha Nitrotec 26 % : 104 kg N/ha	20.05.25: 210kg/ha Mg-Ammonsalpeter 24%+S (50kg N/ha), 11.06.25: 130kg/ha Harnstoff 46% (60kg N/ha)	29.04.25: 200kg Harnstoff 46% (92kg N/ha)	20.06.25: 100kg Harnstoff 46% (46kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mneralisation at the beginning of the vegetation period:	-	-	-	-	-	-
Ernte / Récolte / harvest:	Baural Mähdröschler / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Baural Mähdröschler / moissonneuse-batteuse / direct combine harvesting	Wintersteiger Delta Mähdröschler / moissonneuse-batteuse / direct combine harvesting	-	-

4.4.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager Vegetation	Wurzellager Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
1097F714-01	e1	8.05	-0.22	0.24	0.00	-2.48	-0.09	0.10	0.02	5.62
P9610	FS	3.14	1.60	0.13	-0.03	-0.34	0.00	0.17	0.02	4.69
SY Fregat	T	-0.62	8.50	0.17	0.00	-2.44	-1.32	0.04	-0.18	4.15
P8834	T	0.46	3.98	-0.01	0.00	0.19	0.00	-1.77	0.02	2.87
P8902	S	-0.94	3.25	-0.06	0.00	0.19	0.00	-0.22	-0.02	2.20
RH24024	e1	3.59	-0.65	0.15	0.00	-0.90	0.00	-0.05	0.02	2.16
1092F858-01	e1	7.52	-5.08	0.24	0.00	-0.58	-0.85	0.23	-0.29	1.19
LID4040C	FS	4.09	-0.96	0.09	0.00	-2.00	-0.32	0.05	-0.05	0.90
RGT Peterxxon	e2	-0.92	1.19	-0.04	0.00	0.10	-0.15	-0.05	0.02	0.15
P9944	e2	5.65	-5.29	0.12	0.00	-0.98	-0.15	0.21	0.02	-0.42
KXC4373	e1	5.79	-7.39	-0.01	0.00	0.34	-0.47	-0.21	0.02	-1.93
P9903	S	0.94	-3.25	0.06	0.00	-0.19	0.00	0.22	0.02	-2.20
Arcadio	FS	5.06	-3.40	0.23	-0.05	-3.23	-0.08	-0.68	-0.08	-2.23
LG 31272	S	-8.71	1.86	0.66	-0.05	-0.19	-0.15	0.19	0.00	-6.39
KXC4387	e1	8.98	-16.94	0.24	0.00	-0.12	0.00	0.21	0.02	-7.61
Foxway	FS	1.47	-6.58	0.02	-0.03	-1.36	-1.40	-0.05	-0.49	-8.42
SY Remco	e1	-4.09	-4.43	0.56	0.00	-1.37	-0.37	-0.50	-0.05	-10.25
P0725	FS	5.21	-15.97	0.27	0.00	-1.04	-0.08	-0.02	0.02	-11.61
KXC4381	e1	3.85	-14.88	-0.04	-0.03	-0.67	-0.07	0.15	0.02	-11.67
SY Evident	e1	3.64	-15.59	-0.19	-0.03	-2.06	-0.16	-0.03	0.00	-14.42
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		14	17	17	3	3	6	14	6	
Anzahl Orte		5	6	6	1	1	2	5	2	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

4.4.5 Zusammenfassung / Résumé

Sorten Bezeich- nung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Veg. %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %
P9903	3.9	80.9	80.4	245.8	112.8	45.7	0.0	4.3	0.0
P8834	4.1	78.6	78.0	233.9	129.2	55.1	0.0	1.2	0.0
SY Fregat	3.7	78.7	77.7	249.4	118.1	47.3	0.0	22.3	5.3
LG 31272	2.7	76.4	75.4	257.2	128.3	49.8	1.2	4.3	0.6
P8902	4.2	78.5	78.4	252.8	124.4	49.0	0.0	1.2	0.0
RGT Peterxxon	4.1	77.2	76.6	240.6	116.9	48.4	0.0	1.9	0.6
P9944	3.8	82.1	82.6	250.0	116.4	46.4	0.0	10.6	0.6
RH24024	3.8	77.6	76.9	233.9	116.1	49.6	0.0	10.0	0.0
KXC4373	4.1	81.5	80.9	253.9	118.9	46.7	0.0	0.0	1.9
KXC4381	4.1	83.4	82.3	255.6	119.7	46.8	0.6	8.1	0.3
KXC4387	3.6	78.4	77.7	241.4	111.1	45.8	0.0	3.7	0.0
1097F714-01	3.6	81.2	81.3	241.7	117.5	48.6	0.0	22.6	0.4
1092F858-01	3.6	80.1	79.6	240.0	121.9	50.7	0.0	7.4	3.4
SY Evident	4.4	83.6	82.5	256.7	121.4	47.2	0.7	19.2	0.6
SY Remco	2.9	76.6	75.4	258.6	127.5	49.1	0.0	13.7	1.5
P0725	3.5	85.3	84.3	264.7	132.8	50.2	0.0	11.1	0.3
P9610	3.8	80.0	79.6	256.1	121.1	47.1	0.7	5.4	0.0
LID4040C	3.9	80.7	79.7	265.6	150.6	56.3	0.0	18.7	1.3
Arcadio	3.6	79.2	78.2	237.8	125.0	52.5	1.3	28.6	0.3
Foxway	4.0	82.2	81.4	266.9	128.3	48.1	0.7	13.7	5.6
Bezugsgrösse(n)	4.0	79.7	79.4	249.3	118.6	47.4	0.0	2.8	0.0
Versuchs-Mittel	3.8	80.1	79.4	250.1	122.9	49.0	0.3	10.4	1.1
VK [%]	15.0	1.4	1.6	4.1	9.2	7.9	336.4	76.3	194.8
KGD (5%)	0.4	1.1	1.2	10.2	11.3	3.8		13.1	2.5
KGD (1%)	0.5	1.5	1.6	13.5	14.9	5.1		17.6	3.4
Versuchs-Streuung	0.6	1.2	1.2	10.3	11.4	3.8	0.9	7.9	2.2
FG Fehlerterm	209.0	95.0	95.0	95.0	95.0	95.0	38.0	38.0	76.0
Anz. Beob.	17.0	8.0	8.0	8.0	8.0	8.0	3.0	3.0	6.0
Anz. Orte	6.0	3.0	3.0	3.0	3.0	3.0	1.0	1.0	2.0
Minimum	2.7	76.4	75.4	233.9	111.1	45.7	0.0	0.0	0.0
Maximum	4.4	85.3	84.3	266.9	150.6	56.3	1.3	28.6	5.6

Sorten Bezeich- nung	Stängel fäule %	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Kolben- fusarien Note	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
P9903	0.0	2.4	0.3	1.7	3.3	8.0	173.3	101.4	73.6
P8834	0.0	2.4	9.9	1.4	2.3	7.8	172.3	101.5	76.5
SY Fregat	2.5	3.4	1.2	1.0	4.0	7.7	170.1	98.8	78.3
LG 31272	0.3	3.3	0.5	1.4	2.0	8.0	153.5	90.3	75.7
P8902	0.6	3.0	2.4	1.3	3.7	8.0	169.5	98.6	76.2
RGT Peterxxon	0.0	2.8	1.7	1.2	3.0	8.0	169.5	99.2	75.4
P9944	0.0	2.3	0.4	2.0	2.0	7.9	183.0	107.2	72.8
RH24024	0.0	2.7	1.6	1.3	2.7	7.9	178.8	104.8	74.7
KXC4373	0.0	2.4	2.4	1.3	2.0	8.1	183.3	107.4	72.0
KXC4381	0.0	2.2	0.7	1.4	1.0	8.0	179.3	104.9	69.0
KXC4387	0.0	1.9	0.4	1.3	1.0	7.9	189.9	111.5	68.2
1097F714-01	0.0	2.6	0.9	1.4	2.3	8.1	188.0	110.0	74.8
1092F858-01	3.8	2.1	0.3	1.2	3.7	7.9	186.9	109.1	72.9
SY Evident	0.3	2.0	1.5	1.1	2.3	7.9	178.9	104.3	68.7
SY Remco	0.9	3.2	3.8	1.3	3.0	7.8	163.0	95.2	73.2
P0725	0.0	1.7	1.5	1.1	1.3	8.2	182.1	107.4	68.5
P9610	0.0	2.4	0.6	1.5	3.0	7.9	177.8	104.3	75.6
LID4040C	0.9	2.3	1.2	1.1	3.7	7.7	179.8	106.0	74.5
Arcadio	1.2	2.5	4.7	1.9	2.7	7.7	181.8	106.6	73.6
Foxway	6.2	2.1	1.7	1.3	5.0	7.7	174.4	101.9	72.3
Bezugsgrösse(n)	0.3	2.7	1.4	1.5	3.5	8.0	171.4	100.0	74.9
Versuchs-Mittel	0.8	2.5	1.9	1.4	2.7	7.9	176.8	103.5	73.3
VK [%]	219.7	19.6	199.9	21.6	22.8	4.3	5.6	5.4	1.3
KGD (5%)	2.1	0.5	2.8	0.5	1.0	0.2	7.4	4.2	0.7
KGD (1%)	2.8	0.6	3.7		1.4	0.3	9.8	5.5	0.9
Versuchs-Streuung	1.8	0.5	3.7	0.3	0.6	0.3	10.0	5.6	1.0
FG Fehlerterm	76.0	95.0	171.0	38.0	38.0	209.0	171.0	171.0	209.0
Anz. Beob.	6.0	8.0	14.0	3.0	3.0	17.0	14.0	14.0	17.0
Anz. Orte	2.0	3.0	5.0	1.0	1.0	6.0	5.0	5.0	6.0
Minimum	0.0	1.7	0.3	1.0	1.0	7.7	153.5	90.3	68.2
Maximum	6.2	3.4	9.9	2.0	5.0	8.2	189.9	111.5	78.3

4.4.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	8046 Reckenholz ZH
P9903	3.9 -----	4.5 -----	4.3 -----	5.3 -----	4.3 -----
P8834	4.1 -----	5.0 -----	4.3 -----	5.7 -----	3.7 -----
SY Fregat	3.7 -----	4.5 -----	3.0 --	5.3 -----	4.0 -----
LG 31272	2.7 -	3.0 -	2.7 -	4.7 -	3.0 --
P8902	4.2 -----	5.0 -----	4.0 -----	5.7 -----	4.3 -----
RGT Peterxxon	4.1 -----	5.0 -----	3.7 ----	5.7 -----	3.7 -----
P9944	3.8 -----	4.5 -----	4.0 -----	5.3 -----	4.0 -----
RH24024	3.8 -----	4.5 -----	4.0 -----	5.0 ---	3.3 ----
KXC4373	4.1 -----	5.0 -----	5.0 -----	5.3 -----	4.0 -----
KXC4381	4.1 -----	5.0 -----	4.0 -----	5.0 ---	4.7 -----
KXC4387	3.6 -----	4.0 ----	3.7 ----	5.0 ---	3.3 ----
1097F714-01	3.6 -----	4.0 ----	3.3 ---	5.0 ---	4.3 -----
1092F858-01	3.6 -----	4.0 ----	4.0 -----	5.0 ---	3.7 -----
SY Evident	4.4 -----	5.5 -----	5.0 -----	5.7 -----	4.0 -----
SY Remco	2.9 --	3.5 ---	2.7 -	5.0 ---	2.7 -
P0725	3.5 ----	4.0 ----	3.7 ----	5.3 -----	3.7 -----
P9610	3.8 -----	5.0 -----	3.3 ---	6.0 -----	4.0 -----
LID4040C	3.9 -----	4.5 -----	4.3 -----	5.7 -----	3.7 -----
Arcadio	3.6 -----	4.5 -----	3.7 ----	5.0 ---	3.0 --
Foxway	4.0 -----	5.0 -----	3.7 ----	5.3 -----	4.7 -----
-Bezugsgrösse(n)	4.0 -----	4.8 -----	4.2 -----	5.5 -----	4.3 -----
Versuchs-Mittel	3.8 -----	4.5 -----	3.8 -----	5.3 -----	3.8 -----
VK [%]	15.0	12.1	15.5	10.0	15.4
KGD (5%)	0.4	1.1	1.0	ns	1.0
KGD (1%)	0.5	ns	1.3	ns	1.3
Versuchs-Streuung	0.6	0.5	0.6	0.5	0.6
FG Fehlerterm	209.0	19.0	38.0	38.0	38.0
Anz. Beob.	17.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	53.2	19	8.81 ***	1.64	0.0000
Anbauorte	349.8	5	220.10 ***	2.26	0.0000
WW Verf.*Anb.Orte	38.2	95	1.26 ns	1.32	
Fehler	66.4	209			
Insgesamt	507.6	328			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8194 Hüntwangen ZH	9465 Salez
P9903	2.0 -----	3.0 -----
P8834	2.3 -----	3.3 -----
SY Fregat	2.3 -----	3.0 -----
LG 31272	1.0 -	2.0 -
P8902	2.7 -----	3.3 -----
RGT Peterxxon	2.7 -----	4.0 -----
P9944	2.0 -----	3.0 -----
RH24024	2.3 -----	3.3 -----
KXC4373	2.0 -----	3.0 -----
KXC4381	2.3 -----	3.7 -----
KXC4387	2.7 -----	2.7 ----
1097F714-01	1.7 ----	3.0 -----
1092F858-01	2.0 -----	2.7 ----
SY Evident	2.7 -----	3.7 -----
SY Remco	1.7 ----	2.0 -
P0725	2.3 -----	2.0 -
P9610	2.0 -----	2.3 --
LID4040C	2.0 -----	3.0 -----
Arcadio	1.7 ----	3.7 -----
Foxway	2.3 -----	3.0 -----
-Bezugsgrösse(n)	2.3 -----	3.2 -----
Versuchs-Mittel	2.1 -----	3.0 -----
VK [%]	28.7	16.8
KGD (5%)	ns	0.8
KGD (1%)	ns	1.1
Versuchs-Streuung	0.6	0.5
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		8046 Reckenholz ZH	
P9903	80.9	-----	74.0	----	84.7	-----	84.0	-----
P8834	78.6	---	72.0	---	83.0	----	80.7	---
SY Fregat	78.7	---	72.0	---	82.0	---	82.0	----
LG 31272	76.4	-	70.0	-	80.7	-	78.7	-
P8902	78.5	---	71.5	--	82.0	---	82.0	----
RGT Peterxxon	77.2	-	70.5	-	81.7	--	79.3	--
P9944	82.1	-----	76.0	-----	85.3	-----	85.0	-----
RH24024	77.6	--	71.0	--	81.7	--	80.0	---
KXC4373	81.5	-----	74.5	-----	85.7	-----	84.3	-----
KXC4381	83.4	-----	77.0	-----	86.7	-----	86.7	-----
KXC4387	78.4	---	71.5	--	82.3	---	81.3	----
1097F714-01	81.2	-----	73.5	----	85.7	-----	84.3	-----
1092F858-01	80.1	-----	74.0	----	82.0	---	84.3	-----
SY Evident	83.6	-----	77.0	-----	87.7	-----	86.0	-----
SY Remco	76.6	-	71.0	--	81.0	-	77.7	-
P0725	85.3	-----	78.5	-----	87.7	-----	89.7	-----
P9610	80.0	----	74.0	----	83.0	----	83.0	----
LID4040C	80.7	----	74.0	----	84.7	-----	83.3	----
Arcadio	79.2	----	71.5	--	83.0	----	83.0	----
Foxway	82.2	-----	75.0	-----	86.0	-----	85.7	-----
-Bezugsgrösse(n)	79.7	----	72.8	----	83.3	----	83.0	----
Versuchs-Mittel	80.1	-----	73.4	-----	83.8	-----	83.1	----
VK [%]	1.4		1.1		1.6		1.3	
KGD (5%)	1.1		1.7		2.2		1.8	
KGD (1%)	1.5		2.4		3.0		2.4	
Versuchs-Streuung	1.2		0.8		1.3		1.1	
FG Fehlerterm	95.0		19.0		38.0		38.0	
Anz. Beob.	8.0		2.0		3.0		3.0	
Varianz-Analyse								
	S.Q.		FG		F-Wert		F(95%)	P0
Verfahren	914.7		19		36.11	***	1.70	0.0000
Anbauorte	3577.2		2		1341.70	***	3.09	0.0000
WW Verf.*Anb.Orte	68.6		38		1.35	ns	1.53	0.1200
Fehler	126.6		95					
Insgesamt	4687.1		154					

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		8046 Reckenholz ZH	
P9903	80.4	-----	74.5	-----	82.7	-----	84.0	-----
P8834	78.0	----	72.0	----	81.0	----	81.0	----
SY Fregat	77.7	---	71.0	--	80.0	---	82.0	----
LG 31272	75.4	-	69.5	-	78.7	-	78.0	-
P8902	78.4	----	72.5	----	80.0	---	82.7	-----
RGT Peterxxon	76.6	--	70.5	--	79.7	--	79.7	--
P9944	82.6	-----	77.0	-----	83.7	-----	87.0	-----
RH24024	76.9	--	70.5	--	79.7	--	80.7	---
KXC4373	80.9	-----	73.5	-----	84.0	-----	85.3	-----
KXC4381	82.3	-----	75.0	-----	84.7	-----	87.3	-----
KXC4387	77.7	---	70.5	--	80.3	---	82.3	----
1097F714-01	81.3	-----	75.0	-----	83.7	-----	85.3	-----
1092F858-01	79.6	-----	74.0	-----	80.0	---	84.7	-----
SY Evident	82.5	-----	75.5	-----	85.7	-----	86.3	-----
SY Remco	75.4	-	70.0	-	79.0	-	77.3	-
P0725	84.3	-----	77.5	-----	85.7	-----	89.7	-----
P9610	79.6	-----	74.5	-----	81.0	----	83.3	----
LID4040C	79.7	-----	73.0	-----	82.7	-----	83.3	----
Arcadio	78.2	----	71.0	--	81.0	----	82.7	----
Foxway	81.4	-----	74.5	-----	84.0	-----	85.7	-----
-Bezugsgrösse(n)	79.4	-----	73.5	-----	81.3	----	83.3	-----
Versuchs-Mittel	79.4	-----	73.1	-----	81.9	-----	83.4	-----
VK [%]	1.6		1.6		1.6		1.4	
KGD (5%)	1.2		2.5		2.2		1.9	
KGD (1%)	1.6		3.4		2.9		2.6	
Versuchs-Streuung	1.2		1.2		1.3		1.2	
FG Fehlerterm	95.0		19.0		38.0		38.0	
Anz. Beob.	8.0		2.0		3.0		3.0	
Varianz-Analyse								
	S.Q.		FG		F-Wert		F(95%)	P0
Verfahren	950.8		19		32.86	***	1.70	0.0000
Anbauorte	3313.9		2		1088.02	***	3.09	0.0000
WW Verf.*Anb.Orte	96.2		38		1.66	*	1.53	0.0249
Fehler	144.7		95					
Insgesamt	4505.5		154					

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel		1260 Nyon	1896 Vouvry		8046 Reckenholz ZH		
P9903	245.8	----	262.5	-----	245.0	-----	230.0	----
P8834	233.9	-	265.0	-----	225.0	-	211.7	-
SY Fregat	249.4	-----	270.0	-----	251.7	-----	226.7	----
LG 31272	257.2	-----	275.0	-----	250.0	-----	246.7	-----
P8902	252.8	-----	275.0	-----	250.0	-----	233.3	----
RGT Peterxxon	240.6	---	260.0	----	240.0	----	221.7	---
P9944	250.0	----	270.0	-----	250.0	-----	230.0	----
RH24024	233.9	-	245.0	--	236.7	----	220.0	--
KXC4373	253.9	-----	270.0	-----	251.7	-----	240.0	-----
KXC4381	255.6	-----	265.0	-----	256.7	-----	245.0	-----
KXC4387	241.4	---	262.5	-----	236.7	----	225.0	---
1097F714-01	241.7	---	240.0	-	246.7	-----	238.3	-----
1092F858-01	240.0	--	260.0	----	235.0	---	225.0	---
SY Evident	256.7	-----	270.0	-----	250.0	-----	250.0	-----
SY Remco	258.6	-----	277.5	-----	260.0	-----	238.3	-----
P0725	264.7	-----	277.5	-----	253.3	-----	263.3	-----
P9610	256.1	-----	270.0	-----	258.3	-----	240.0	-----
LID4040C	265.6	-----	275.0	-----	261.7	-----	260.0	-----
Arcadio	237.8	--	250.0	---	235.0	---	228.3	----
Foxway	266.9	-----	282.5	-----	255.0	-----	263.3	-----
-Bezugsgrösse(n)	249.3	-----	268.8	-----	247.5	-----	231.7	----
Versuchs-Mittel	250.1	-----	266.1	-----	247.4	-----	236.8	----
VK [%]	4.1		3.5		4.6		4.1	
KGD (5%)	10.2		19.4		18.8		16.0	
KGD (1%)	13.5		ns		ns		21.4	
Versuchs-Streuung	10.3		9.3		11.3		9.7	
FG Fehlerterm	95.0		19.0		38.0		38.0	
Anz. Beob.	8.0		2.0		3.0		3.0	
Varianz-Analyse								
	S.Q.		FG		F-Wert		F(95%)	P0
Verfahren	16210.5		19		8.04	***	1.70	0.0000
Anbauorte	23466.9		2		110.62	***	3.09	0.0000
WW Verf.*Anb.Orte	5566.5		38		1.38	ns	1.53	0.1059
Fehler	10076.9		95					
Insgesamt	55320.7		154					

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		8046 Reckenholz ZH	
P9903	112.8	-	125.0	-	116.7	---	96.7	--
P8834	129.2	----	152.5	----	120.0	----	115.0	-----
SY Fregat	118.1	--	127.5	-	126.7	-----	100.0	---
LG 31272	128.3	----	150.0	----	121.7	----	113.3	-----
P8902	124.4	----	145.0	---	125.0	-----	103.3	----
RGT Peterxxon	116.9	--	132.5	--	118.3	----	100.0	---
P9944	116.4	--	132.5	--	123.3	-----	93.3	-
RH24024	116.1	--	125.0	-	123.3	-----	100.0	---
KXC4373	118.9	---	135.0	--	118.3	----	103.3	----
KXC4381	119.7	---	127.5	-	121.7	----	110.0	-----
KXC4387	111.1	-	130.0	-	110.0	-	93.3	-
1097F714-01	117.5	--	132.5	--	120.0	----	100.0	---
1092F858-01	121.9	---	137.5	--	128.3	-----	100.0	---
SY Evident	121.4	---	137.5	--	120.0	----	106.7	-----
SY Remco	127.5	-----	142.5	---	135.0	-----	105.0	----
P0725	132.8	-----	145.0	---	135.0	-----	118.3	-----
P9610	121.1	---	140.0	---	121.7	----	101.7	----
LID4040C	150.6	-----	195.0	-----	138.3	-----	118.3	-----
Arcadio	125.0	----	135.0	--	125.0	-----	115.0	-----
Foxway	128.3	----	140.0	---	131.7	-----	113.3	-----
-Bezugsgrösse(n)	118.6	---	135.0	--	120.8	----	100.0	---
Versuchs-Mittel	122.9	----	139.4	---	124.0	-----	105.3	----
VK [%]	9.2		13.1		7.1		8.5	
KGD (5%)	11.3		ns		14.5		14.8	
KGD (1%)	14.9		ns		ns		ns	
Versuchs-Streuung	11.4		18.2		8.8		9.0	
FG Fehlerterm	95.0		19.0		38.0		38.0	
Anz. Beob.	8.0		2.0		3.0		3.0	
Varianz-Analyse								
	S.Q.		FG	F-Wert		F(95%)	P0	
Verfahren	11514.2		19	4.69	***	1.70	0.0000	
Anbauorte	30998.6		2	119.94	***	3.09	0.0000	
WW Verf.*Anb.Orte	5926.1		38	1.21	ns	1.53	0.2305	
Fehler	12276.9		95					
Insgesamt	60715.7		154					

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

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		8046 Reckenholz ZH	
P9903	45.7	-	47.6	-	47.5	--	42.0	--
P8834	55.1	-----	57.6	-----	53.4	-----	54.3	-----
SY Fregat	47.3	--	47.3	-	50.4	-----	44.2	---
LG 31272	49.8	----	54.6	----	48.8	----	45.9	----
P8902	49.0	----	52.7	---	50.0	-----	44.3	---
RGT Peterxxon	48.4	---	51.0	--	49.2	----	45.1	----
P9944	46.4	-	49.3	-	49.4	----	40.4	-
RH24024	49.6	----	51.1	--	52.3	-----	45.5	----
KXC4373	46.7	-	50.0	--	47.0	-	42.9	--
KXC4381	46.8	--	48.1	-	47.4	--	44.8	----
KXC4387	45.8	-	49.6	--	46.4	-	41.5	-
1097F714-01	48.6	---	55.3	----	48.7	---	41.9	--
1092F858-01	50.7	-----	52.9	---	54.6	-----	44.6	----
SY Evident	47.2	--	50.9	--	48.1	---	42.5	--
SY Remco	49.1	----	51.3	--	51.9	-----	44.1	---
P0725	50.2	-----	52.3	---	53.3	-----	44.9	----
P9610	47.1	--	51.9	---	47.1	-	42.3	--
LID4040C	56.3	-----	70.6	-----	52.8	-----	45.6	----
Arcadio	52.5	-----	54.1	----	53.2	-----	50.3	-----
Foxway	48.1	---	49.6	--	51.6	-----	43.0	--
-Bezugsgrösse(n)	47.4	--	50.2	--	48.8	---	43.1	---
Versuchs-Mittel	49.0	----	52.4	---	50.2	-----	44.5	----
VK [%]	7.9		12.4		5.3		6.6	
KGD (5%)	3.8		ns		4.4		4.9	
KGD (1%)	5.1		ns		5.9		6.5	
Versuchs-Streuung	3.8		6.5		2.7		3.0	
FG Fehlerterm	95.0		19.0		38.0		38.0	
Anz. Beob.	8.0		2.0		3.0		3.0	
Varianz-Analyse								
	S.Q.		FG		F-Wert		F(95%)	P0
Verfahren	1263.1		19		4.49	***	1.70	0.0001
Anbauorte	1753.9		2		59.18	***	3.09	0.0000
WW Verf.*Anb.Orte	844.5		38		1.50	ns	1.53	0.0587
Fehler	1407.7		95					
Insgesamt	5269.1		154					

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

Verfahren	Seriemittel	9465 Salez
P9903	0.0 -	0.0 -
P8834	0.0 -	0.0 -
SY Fregat	0.0 -	0.0 -
LG 31272	1.2 -----	1.2 -----
P8902	0.0 -	0.0 -
RGT Peterxxon	0.0 -	0.0 -
P9944	0.0 -	0.0 -
RH24024	0.0 -	0.0 -
KXC4373	0.0 -	0.0 -
KXC4381	0.6 ----	0.6 ----
KXC4387	0.0 -	0.0 -
1097F714-01	0.0 -	0.0 -
1092F858-01	0.0 -	0.0 -
SY Evident	0.7 -----	0.7 -----
SY Remco	0.0 -	0.0 -
P0725	0.0 -	0.0 -
P9610	0.7 ----	0.7 ----
LID4040C	0.0 -	0.0 -
Arcadio	1.3 -----	1.3 -----
Foxway	0.7 -----	0.7 -----
-Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.3 ---	0.3 ---
VK [%]	336.4	336.4
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.9	0.9
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	8046 Reckenholz ZH
P9903	4.3 --	4.3 --
P8834	1.2 -	1.2 -
SY Fregat	22.3 -----	22.3 -----
LG 31272	4.3 --	4.3 --
P8902	1.2 -	1.2 -
RGT Peterxxon	1.9 -	1.9 -
P9944	10.6 ----	10.6 ----
RH24024	10.0 ----	10.0 ----
KXC4373	0.0 -	0.0 -
KXC4381	8.1 ---	8.1 ---
KXC4387	3.7 --	3.7 --
1097F714-01	22.6 -----	22.6 -----
1092F858-01	7.4 ---	7.4 ---
SY Evident	19.2 -----	19.2 -----
SY Remco	13.7 ----	13.7 ----
P0725	11.1 ----	11.1 ----
P9610	5.4 ---	5.4 ---
LID4040C	18.7 -----	18.7 -----
Arcadio	28.6 -----	28.6 -----
Foxway	13.7 ----	13.7 ----
-Bezugsgrösse(n)	2.8 --	2.8 --
Versuchs-Mittel	10.4 ----	10.4 ----
VK [%]	76.3	76.3
KGD (5%)	13.1	13.1
KGD (1%)	17.6	17.6
Versuchs-Streuung	7.9	7.9
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel		1567 Delley FR		8046 Reckenholz ZH	
P9903	0.0	-	0.0	-	0.0	-
P8834	0.0	-	0.0	-	0.0	-
SY Fregat	5.3	-----	6.2	-----	4.4	-----
LG 31272	0.6	--	0.0	-	1.2	---
P8902	0.0	-	0.0	-	0.0	-
RGT Peterxxon	0.6	--	1.2	--	0.0	-
P9944	0.6	--	0.0	-	1.2	---
RH24024	0.0	-	0.0	-	0.0	-
KXC4373	1.9	----	2.5	---	1.3	---
KXC4381	0.3	-	0.0	-	0.6	--
KXC4387	0.0	-	0.0	-	0.0	-
1097F714-01	0.4	-	0.0	-	0.7	--
1092F858-01	3.4	-----	5.0	----	1.8	----
SY Evident	0.6	--	0.0	-	1.3	---
SY Remco	1.5	---	2.3	---	0.6	--
P0725	0.3	-	0.0	-	0.7	--
P9610	0.0	-	0.0	-	0.0	-
LID4040C	1.3	---	1.2	--	1.4	----
Arcadio	0.3	-	0.0	-	0.6	--
Foxway	5.6	-----	11.2	-----	0.0	-
-Bezugsgrösse(n)	0.0	-	0.0	-	0.0	-
Versuchs-Mittel	1.1	---	1.5	--	0.8	--
VK [%]	194.8		190.6		169.5	
KGD (5%)	2.5		4.6		ns	
KGD (1%)	3.4		6.2		ns	
Versuchs-Streuung	2.2		2.8		1.3	
FG Fehlerterm	76.0		38.0		38.0	
Anz. Beob.	6.0		3.0		3.0	
Varianz-Analyse						
	S.Q.		FG		F-Wert	F(95%)
Verfahren	326.4		19		3.56 ***	1.73
Anbauorte	14.4		1		2.98 ns	3.96
WW Verf.*Anb.Orte	210.6		19		2.29 **	1.73
Fehler	367.2		76			
Insgesamt	918.6		115			

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel		1567 Delley FR		8046 Reckenholz ZH	
P9903	0.0	-	0.0	-	0.0	-
P8834	0.0	-	0.0	-	0.0	-
SY Fregat	2.5	-----	3.7	-----	1.3	----
LG 31272	0.3	-	0.0	-	0.6	--
P8902	0.6	--	1.2	--	0.0	-
RGT Peterxxon	0.0	-	0.0	-	0.0	-
P9944	0.0	-	0.0	-	0.0	-
RH24024	0.0	-	0.0	-	0.0	-
KXC4373	0.0	-	0.0	-	0.0	-
KXC4381	0.0	-	0.0	-	0.0	-
KXC4387	0.0	-	0.0	-	0.0	-
1097F714-01	0.0	-	0.0	-	0.0	-
1092F858-01	3.8	-----	7.5	-----	0.0	-
SY Evident	0.3	-	0.0	-	0.6	--
SY Remco	0.9	--	1.2	--	0.6	--
P0725	0.0	-	0.0	-	0.0	-
P9610	0.0	-	0.0	-	0.0	-
LID4040C	0.9	--	1.2	--	0.6	--
Arcadio	1.2	---	1.2	--	1.3	----
Foxway	6.2	-----	8.7	-----	3.7	-----
-Bezugsgrösse(n)	0.3	-	0.6	-	0.0	-
Versuchs-Mittel	0.8	--	1.2	--	0.4	--
VK [%]	219.7		200.1		185.5	
KGD (5%)	2.1		4.1		1.3	
KGD (1%)	2.8		5.4		1.8	
Versuchs-Streuung	1.8		2.5		0.8	
FG Fehlerterm	76.0		38.0		38.0	
Anz. Beob.	6.0		3.0		3.0	
Varianz-Analyse						
	S.Q.		FG		F-Wert	F(95%)
Verfahren	290.4		19		4.59 ***	1.73
Anbauorte	18.6		1		5.59 *	3.96
WW Verf.*Anb.Orte	114.9		19		1.81 *	1.73
Fehler	253.3		76			
Insgesamt	677.3		115			

Helminthosporium turcicum [note] / *Helminthosporium turcicum* [Note]

Verfahren	Seriemittel		1260 Nyon		1896 Vouvry		9465 Salez	
P9903	2.4	----	3.0	-----	3.0	----	1.3	---
P8834	2.4	----	3.0	-----	3.3	-----	1.0	-
SY Fregat	3.4	-----	3.0	-----	4.7	-----	2.7	-----
LG 31272	3.3	-----	4.0	-----	4.0	-----	2.0	-----
P8902	3.0	-----	3.0	-----	3.7	-----	2.3	-----
RGT Peterxxon	2.8	-----	2.5	---	4.0	-----	2.0	-----
P9944	2.3	---	2.5	---	3.0	---	1.3	---
RH24024	2.7	-----	3.5	-----	3.7	-----	1.0	-
KXC4373	2.4	----	2.5	---	2.3	--	2.3	-----
KXC4381	2.2	----	2.0	-	2.7	---	2.0	-----
KXC4387	1.9	--	2.0	-	2.3	--	1.3	---
1097F714-01	2.6	-----	2.5	---	3.0	----	2.3	-----
1092F858-01	2.1	---	2.0	-	3.0	----	1.3	---
SY Evident	2.0	--	2.0	-	2.7	---	1.3	---
SY Remco	3.2	-----	3.5	-----	3.7	-----	2.3	-----
P0725	1.7	-	2.0	-	2.0	-	1.0	-
P9610	2.4	----	2.0	-	3.0	----	2.3	-----
LID4040C	2.3	----	2.0	-	2.7	---	2.3	-----
Arcadio	2.5	-----	2.5	---	3.0	----	2.0	-----
Foxway	2.1	---	2.0	-	3.0	----	1.3	---
-Bezugsgrösse(n)	2.7	-----	3.0	-----	3.3	-----	1.8	-----
Versuchs-Mittel	2.5	----	2.6	---	3.1	-----	1.8	-----
VK [%]	19.6		16.6		15.7		28.8	
KGD (5%)	0.5		0.9		0.8		0.8	
KGD (1%)	0.6		1.2		1.1		1.1	
Versuchs-Streuung	0.5		0.4		0.5		0.5	
FG Fehlerterm	95.0		19.0		38.0		38.0	
Anz. Beob.	8.0		2.0		3.0		3.0	
Varianz-Analyse								
	S.Q.		FG		F-Wert		F(95%)	P0
Verfahren	34.0		19		7.47	***	1.70	0.0000
Anbauorte	49.1		2		102.52	***	3.09	0.0000
WW Verf.*Anb.Orte	22.2		38		2.44	***	1.53	0.0006
Fehler	22.7		95					
Insgesamt	128.0		154					

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8046 Reckenholz ZH	8194 Hüntwangen ZH
P9903	0.3 -	0.0 -	0.4 ---	0.0 -	0.0 -
P8834	9.9 -----	4.2 -----	0.0 -	1.2 -----	38.1 -----
SY Fregat	1.2 --	0.0 -	0.0 -	0.0 -	1.9 -
LG 31272	0.5 -	1.1 ---	0.0 -	0.0 -	1.2 -
P8902	2.4 ---	1.7 ----	0.0 -	0.0 -	6.6 --
RGT Peterxxon	1.7 --	1.1 ---	2.0 -----	0.0 -	0.0 -
P9944	0.4 -	0.0 -	1.3 -----	0.0 -	0.0 -
RH24024	1.6 --	1.9 ----	0.4 ---	0.0 -	0.0 -
KXC4373	2.4 ---	3.0 -----	0.0 -	0.0 -	5.9 --
KXC4381	0.7 -	1.2 ---	1.6 -----	0.0 -	0.6 -
KXC4387	0.4 -	0.0 -	0.0 -	0.0 -	0.0 -
1097F714-01	0.9 -	1.1 ---	0.4 ---	0.0 -	0.0 -
1092F858-01	0.3 -	0.6 --	0.8 ----	0.0 -	0.0 -
SY Evident	1.5 --	1.1 ---	0.0 -	0.0 -	2.3 -
SY Remco	3.8 ----	2.5 -----	0.0 -	0.0 -	9.6 ---
P0725	1.5 --	0.6 --	0.7 ----	1.2 -----	2.4 -
P9610	0.6 -	1.2 ---	0.4 ---	0.0 -	0.0 -
LID4040C	1.2 --	0.0 -	0.0 -	0.0 -	0.7 -
Arcadio	4.7 ----	0.0 -	0.0 -	0.0 -	12.8 ----
Foxway	1.7 --	0.0 -	0.0 -	0.0 -	4.8 --
-Bezugsgrösse(n)	1.4 --	0.8 ---	0.2 --	0.0 -	3.3 -
Versuchs-Mittel	1.9 --	1.1 ---	0.4 ---	0.1 --	4.4 --
VK [%]	199.9	160.0	235.7	554.9	163.5
KGD (5%)	2.8	ns	ns	ns	11.8
KGD (1%)	3.7	ns	ns	ns	15.8
Versuchs-Streuung	3.7	1.7	0.9	0.7	7.1
FG Fehlerterm	171.0	19.0	38.0	38.0	38.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1297.8	19	4.89 ***	1.65	0.0000
Anbauorte	807.3	4	14.45 ***	2.43	0.0000
WW Verf.*Anb.Orte	3236.9	76	3.05 ***	1.36	0.0001
Fehler	2388.1	171			
Insgesamt	7730.1	270			

Charbon [%] / Beulenbrand [%]

Verfahren	9465 Salez
P9903	1.3 --
P8834	5.8 -----
SY Fregat	4.0 ----
LG 31272	0.0 -
P8902	3.9 ----
RGT Peterxxon	5.1 -----
P9944	0.6 -
RH24024	5.8 -----
KXC4373	3.0 ---
KXC4381	0.0 -
KXC4387	1.9 --
1097F714-01	3.1 ----
1092F858-01	0.0 -
SY Evident	4.1 ----
SY Remco	6.8 -----
P0725	2.4 ---
P9610	1.3 --
LID4040C	5.1 -----
Arcadio	10.5 -----
Foxway	3.4 ----
-Bezugsgrösse(n)	2.6 ---
Versuchs-Mittel	3.4 ----
VK [%]	89.8
KGD (5%)	5.1
KGD (1%)	ns
Versuchs-Streuung	3.1
FG Fehlerterm	38.0
Anz. Beob.	3.0

Fusariose sur épi [note] / Fusarien auf dem Kolben [Note]

Verfahren	Seriemittel	8194 Hüntwangen ZH
P9903	1.7 -----	1.7 -----
P8834	1.4 ----	1.4 ----
SY Fregat	1.0 -	1.0 -
LG 31272	1.4 ----	1.4 ----
P8902	1.3 ---	1.3 ---
RGT Peterxxon	1.2 ---	1.2 ---
P9944	2.0 -----	2.0 -----
RH24024	1.3 ---	1.3 ---
KXC4373	1.3 ----	1.3 ----
KXC4381	1.4 ----	1.4 ----
KXC4387	1.3 ----	1.3 ----
1097F714-01	1.4 ----	1.4 ----
1092F858-01	1.2 ---	1.2 ---
SY Evident	1.1 --	1.1 --
SY Remco	1.3 ---	1.3 ---
P0725	1.1 -	1.1 -
P9610	1.5 -----	1.5 -----
LID4040C	1.1 -	1.1 -
Arcadio	1.9 -----	1.9 -----
Foxway	1.3 ---	1.3 ---
-Bezugsgrösse(n)	1.5 -----	1.5 -----
Versuchs-Mittel	1.4 ----	1.4 ----
VK [%]	21.6	21.6
KGD (5%)	0.5	0.5
KGD (1%)	ns	ns
Versuchs-Streuung	0.3	0.3
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
P9903	3.3 -----	3.3 -----
P8834	2.3 ----	2.3 ----
SY Fregat	4.0 -----	4.0 -----
LG 31272	2.0 ---	2.0 ---
P8902	3.7 -----	3.7 -----
RGT Peterxxon	3.0 -----	3.0 -----
P9944	2.0 ---	2.0 ---
RH24024	2.7 -----	2.7 -----
KXC4373	2.0 ---	2.0 ---
KXC4381	1.0 -	1.0 -
KXC4387	1.0 -	1.0 -
1097F714-01	2.3 ----	2.3 ----
1092F858-01	3.7 -----	3.7 -----
SY Evident	2.3 ----	2.3 ----
SY Remco	3.0 -----	3.0 -----
P0725	1.3 -	1.3 -
P9610	3.0 -----	3.0 -----
LID4040C	3.7 -----	3.7 -----
Arcadio	2.7 -----	2.7 -----
Foxway	5.0 -----	5.0 -----
-Bezugsgrösse(n)	3.5 -----	3.5 -----
Versuchs-Mittel	2.7 ----	2.7 ----
VK [%]	22.8	22.8
KGD (5%)	1.0	1.0
KGD (1%)	1.4	1.4
Versuchs-Streuung	0.6	0.6
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	8046 Reckenholz ZH
P9903	8.0 -----	8.5 -----	7.5 -	8.5 -----	7.9 -----
P8834	7.8 --	8.1 -----	7.5 -	7.9 -	8.0 -----
SY Fregat	7.7 -	7.9 ---	7.5 -	8.1 ---	7.6 -
LG 31272	8.0 -----	8.8 -----	7.5 -	8.2 ---	8.0 -----
P8902	8.0 -----	8.1 -----	7.5 -	8.6 -----	8.0 -----
RGT Peterxxon	8.0 -----	8.6 -----	7.5 -	8.3 ----	7.8 ----
P9944	7.9 ----	7.6 -	7.5 -	8.1 ---	8.1 -----
RH24024	7.9 ----	8.2 ----	7.5 -	8.1 --	8.1 -----
KXC4373	8.1 -----	8.6 -----	7.5 -	8.7 -----	7.7 ---
KXC4381	8.0 -----	8.2 ----	7.5 -	8.3 ---	8.2 -----
KXC4387	7.9 ----	8.5 -----	7.5 -	8.1 --	7.9 ----
1097F714-01	8.1 -----	8.9 -----	7.5 -	8.6 -----	7.5 -
1092F858-01	7.9 -----	7.6 -	7.5 -	8.6 -----	8.1 -----
SY Evident	7.9 ----	8.2 -----	7.5 -	8.3 ---	8.0 -----
SY Remco	7.8 --	8.1 ----	7.5 -	8.4 ----	8.1 -----
P0725	8.2 -----	8.9 -----	7.5 -	9.1 -----	7.8 ----
P9610	7.9 ----	8.4 -----	7.5 -	8.2 ---	7.9 -----
LID4040C	7.7 -	7.6 -	7.5 -	8.1 --	7.5 -
Arcadio	7.7 --	8.2 -----	7.5 -	8.6 -----	7.8 ----
Foxway	7.7 --	7.5 -	7.5 -	8.3 ----	7.8 ----
-Bezugsgrösse(n)	8.0 -----	8.3 -----	7.5 -	8.6 -----	7.9 -----
Versuchs-Mittel	7.9 ----	8.2 -----	7.5 -	8.4 ----	7.9 -----
VK [%]	4.3	7.4	0.0	4.4	4.1
KGD (5%)	0.2	ns	0.0	ns	ns
KGD (1%)	0.3	ns	0.0	ns	ns
Versuchs-Streuung	0.3	0.6	0.0	0.4	0.3
FG Fehlerterm	209.0	19.0	38.0	38.0	38.0
Anz. Beob.	17.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7.0	19	3.14 ***	1.64	0.0003
Anbauorte	31.4	5	53.65 ***	2.26	0.0000
WW Verf.*Anb.Orte	18.7	95	1.68 ns	1.32	
Fehler	24.5	209			
Insgesamt	81.6	328			

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

Verfahren	8194 Hüntwangen ZH	9465 Salez
P9903	7.9 -----	7.5 -----
P8834	7.7 ----	7.4 ----
SY Fregat	7.6 ---	7.3 ----
LG 31272	7.8 -----	7.7 -----
P8902	8.1 -----	7.6 -----
RGT Peterxxon	8.0 -----	7.4 -----
P9944	7.7 ----	8.2 -----
RH24024	7.9 -----	7.7 -----
KXC4373	8.3 -----	7.9 -----
KXC4381	8.1 -----	7.5 -----
KXC4387	7.8 ----	7.7 -----
1097F714-01	8.1 -----	7.8 -----
1092F858-01	8.0 -----	7.8 -----
SY Evident	8.3 -----	7.2 ----
SY Remco	7.4 -	7.0 ---
P0725	7.9 -----	8.0 -----
P9610	8.0 -----	7.4 ----
LID4040C	7.7 ----	7.6 -----
Arcadio	7.6 --	6.7 -
Foxway	7.8 -----	7.4 -----
-Bezugsgrösse(n)	8.0 -----	7.5 -----
Versuchs-Mittel	7.9 -----	7.6 -----
VK [%]	3.5	5.1
KGD (5%)	0.5	0.6
KGD (1%)	ns	ns
Versuchs-Streuung	0.3	0.4
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	8046 Reckenholz ZH
P9903	173.3 -----	187.5 -----	125.6 ----	200.6 -----	166.8 -----
P8834	172.3 -----	192.9 -----	134.6 -----	195.7 -----	172.3 -----
SY Fregat	170.1 ----	211.5 -----	112.3 -	174.3 -	160.1 ---
LG 31272	153.5 -	155.1 -	116.9 --	169.3 -	156.5 --
P8902	169.5 -----	192.5 -----	118.0 --	190.4 ----	152.3 -
RGT Peterxxon	169.5 -----	190.0 -----	120.9 ---	182.1 ---	170.1 -----
P9944	183.0 -----	195.9 -----	134.9 -----	206.5 -----	176.0 -----
RH24024	178.8 -----	198.3 -----	130.5 -----	198.2 -----	177.7 -----
KXC4373	183.3 -----	208.9 -----	138.0 -----	201.0 -----	168.2 -----
KXC4381	179.3 -----	192.6 -----	129.9 -----	205.9 -----	172.9 -----
KXC4387	189.9 -----	207.7 -----	142.7 -----	208.7 -----	187.7 -----
1097F714-01	188.0 -----	191.4 -----	139.2 -----	232.9 -----	179.0 -----
1092F858-01	186.9 -----	210.4 -----	133.5 -----	218.0 -----	174.1 -----
SY Evident	178.9 -----	209.5 -----	123.8 ---	193.6 ---	171.5 -----
SY Remco	163.0 ---	176.1 ----	117.4 --	195.4 -----	153.2 -
P0725	182.1 -----	185.1 -----	146.8 -----	214.1 -----	174.4 -----
P9610	177.8 -----	188.6 -----	134.1 -----	201.6 -----	171.8 -----
LID4040C	179.8 -----	203.6 -----	139.6 -----	178.4 --	181.1 -----
Arcadio	181.8 -----	215.5 -----	136.1 -----	203.3 -----	176.6 -----
Foxway	174.4 -----	196.4 -----	123.3 ----	189.6 ----	168.0 -----
-Bezugsgrösse(n)	171.4 -----	190.0 -----	121.8 ---	195.5 -----	159.5 ---
Versuchs-Mittel	176.8 -----	195.5 -----	129.9 -----	198.0 -----	170.5 -----
VK [%]	5.6	8.0	4.4	6.1	4.8
KGD (5%)	7.4	ns	9.4	20.0	13.6
KGD (1%)	9.8	ns	12.5	26.8	18.2
Versuchs-Streuung	10.0	15.7	5.7	12.1	8.2
FG Fehlerterm	171.0	19.0	38.0	38.0	38.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	20708.0	19	10.95 ***	1.65	0.0000
Anbauorte	179648.5	4	451.17 ***	2.43	0.0000
WW Verf.*Anb.Orte	17609.2	76	2.33 ***	1.36	0.0003
Fehler	17022.2	171			
Insgesamt	234987.8	270			

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

Verfahren	8194	
	Hüntwangen ZH	
P9903	186.1	-----
P8834	166.2	-
SY Fregat	192.5	-----
LG 31272	169.6	--
P8902	194.3	-----
RGT Peterxxon	184.4	-----
P9944	201.8	-----
RH24024	189.1	-----
KXC4373	200.3	-----
KXC4381	195.2	-----
KXC4387	202.6	-----
1097F714-01	197.3	-----
1092F858-01	198.3	-----
SY Evident	196.0	-----
SY Remco	172.7	--
P0725	190.1	-----
P9610	193.2	-----
LID4040C	196.4	-----
Arcadio	177.5	----
Foxway	194.8	-----
-Bezugsgrösse(n)	190.2	-----
Versuchs-Mittel	189.9	-----
VK [%]	4.7	
KGD (5%)	14.7	
KGD (1%)	19.6	
Versuchs-Streuung	8.9	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	8046 Reckenholz ZH
P9903	101.4 -----	98.7 -----	103.1 ----	102.6 -----	104.6 -----
P8834	101.5 -----	101.5 -----	110.5 -----	100.1 -----	108.0 -----
SY Fregat	98.8 ----	111.3 -----	92.2 -	89.1 -	100.3 ---
LG 31272	90.3 -	81.7 -	96.0 --	86.6 -	98.1 --
P8902	98.6 -----	101.3 -----	96.9 --	97.4 ----	95.4 -
RGT Peterxxon	99.2 ----	100.0 -----	99.3 ---	93.1 ---	106.6 -----
P9944	107.2 -----	103.1 -----	110.8 -----	105.6 -----	110.3 -----
RH24024	104.8 -----	104.4 -----	107.2 -----	101.4 -----	111.4 -----
KXC4373	107.4 -----	110.0 -----	113.3 -----	102.8 -----	105.4 -----
KXC4381	104.9 -----	101.4 -----	106.7 -----	105.3 -----	108.4 -----
KXC4387	111.5 -----	109.3 -----	117.2 -----	106.7 -----	117.6 -----
1097F714-01	110.0 -----	100.8 -----	114.3 -----	119.1 -----	112.2 -----
1092F858-01	109.1 -----	110.8 -----	109.6 -----	111.5 -----	109.1 -----
SY Evident	104.3 -----	110.3 -----	101.7 ----	99.0 ---	107.5 -----
SY Remco	95.2 ---	92.7 ----	96.5 --	99.9 -----	96.0 -
P0725	107.4 -----	97.4 -----	120.5 -----	109.5 -----	109.3 -----
P9610	104.3 -----	99.3 -----	110.1 -----	103.1 -----	107.7 -----
LID4040C	106.0 -----	107.2 -----	114.7 -----	91.2 --	113.5 -----
Arcadio	106.6 -----	113.5 -----	111.8 -----	104.0 -----	110.7 -----
Foxway	101.9 -----	103.4 -----	101.3 ----	97.0 ----	105.3 -----
-Bezugsgrösse(n)	100.0 -----	100.0 -----	100.0 ---	100.0 -----	100.0 ---
Versuchs-Mittel	103.5 -----	102.9 -----	106.7 -----	101.3 -----	106.9 -----
VK [%]	5.4	8.0	4.4	6.1	4.8
KGD (5%)	4.2	ns	7.7	10.2	8.5
KGD (1%)	5.5	ns	10.3	13.7	11.4
Versuchs-Streuung	5.6	8.3	4.7	6.2	5.1
FG Fehlerterm	171.0	19.0	38.0	38.0	38.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7274.8	19	12.10 ***	1.65	0.0000
Anbauorte	2255.9	4	17.83 ***	2.43	0.0000
WW Verf.*Anb.Orte	5634.7	76	2.34 ***	1.36	0.0003
Fehler	5409.7	171			
Insgesamt	20575.1	270			

Rendement relatif [%] / Relativertrag [%]

Verfahren	8194	
	Hüntwangen ZH	
P9903	97.8	-----
P8834	87.4	-
SY Fregat	101.2	-----
LG 31272	89.2	--
P8902	102.2	-----
RGT Peterxxon	97.0	-----
P9944	106.1	-----
RH24024	99.4	-----
KXC4373	105.3	-----
KXC4381	102.6	-----
KXC4387	106.5	-----
1097F714-01	103.7	-----
1092F858-01	104.3	-----
SY Evident	103.1	-----
SY Remco	90.8	--
P0725	100.0	-----
P9610	101.6	-----
LID4040C	103.2	-----
Arcadio	93.3	----
Foxway	102.4	-----
-Bezugsgrösse(n)	100.0	-----
Versuchs-Mittel	99.9	-----
VK [%]	4.7	
KGD (5%)	7.7	
KGD (1%)	10.3	
Versuchs-Streuung	4.7	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	8046 Reckenholz ZH
P9903	73.6 -----	82.0 -----	73.4 -----	76.0 -----	70.3 -----
P8834	76.5 -----	83.1 -----	76.8 -----	79.9 -----	73.5 -----
SY Fregat	78.3 -----	85.1 -----	76.7 -----	81.8 -----	75.6 -----
LG 31272	75.7 -----	84.1 -----	74.3 -----	78.7 -----	73.0 -----
P8902	76.2 -----	82.8 -----	76.6 -----	79.9 -----	72.7 -----
RGT Peterxxon	75.4 -----	82.5 -----	75.8 -----	78.6 -----	71.2 -----
P9944	72.8 -----	81.5 -----	73.8 -----	76.1 -----	67.6 -----
RH24024	74.7 -----	82.7 -----	74.9 -----	76.9 -----	71.1 -----
KXC4373	72.0 ---	82.2 -----	72.7 ---	75.1 ---	66.7 ---
KXC4381	69.0 -	79.0 ---	70.2 --	71.2 -	64.1 --
KXC4387	68.2 -	77.3 ---	69.4 -	70.3 -	62.8 -
1097F714-01	74.8 -----	82.2 -----	75.9 -----	78.0 -----	71.0 -----
1092F858-01	72.9 -----	79.9 -----	74.1 -----	77.2 -----	69.0 -----
SY Evident	68.7 -	74.5 -	70.4 --	72.2 --	65.2 --
SY Remco	73.2 -----	80.3 -----	71.2 ---	75.6 -----	70.2 -----
P0725	68.5 -	77.1 ---	69.8 -	73.1 ---	63.6 -
P9610	75.6 -----	82.8 -----	74.9 -----	78.4 -----	70.8 -----
LID4040C	74.5 -----	82.0 -----	74.4 -----	78.6 -----	71.8 -----
Arcadio	73.6 -----	81.2 -----	74.3 -----	76.5 -----	71.1 -----
Foxway	72.3 -----	80.2 -----	74.2 -----	76.0 -----	68.0 -----
-Bezugsgrösse(n)	74.9 -----	82.4 -----	75.0 -----	78.0 -----	71.5 -----
Versuchs-Mittel	73.3 -----	81.1 -----	73.7 -----	76.5 -----	69.5 -----
VK [%]	1.3	1.8	1.0	0.9	1.3
KGD (5%)	0.7	3.1	1.2	1.2	1.5
KGD (1%)	0.9	4.2	1.6	1.6	2.1
Versuchs-Streuung	1.0	1.5	0.7	0.7	0.9
FG Fehlerterm	209.0	19.0	38.0	38.0	38.0
Anz. Beob.	17.0	2.0	3.0	3.0	3.0
Varianz-Analyse					
	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2680.6	19	148.31 ***	1.64	0.0000
Anbauorte	7019.5	5	1475.81 ***	2.26	0.0000
WW Verf.*Anb.Orte	329.3	95	3.64 ***	1.32	0.0000
Fehler	198.8	209			
Insgesamt	10228.2	328			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8194 Hüntwangen ZH	9465 Salez
P9903	72.7 -----	67.5 -----
P8834	75.0 -----	70.8 -----
SY Fregat	75.9 -----	74.9 -----
LG 31272	74.5 -----	69.5 -----
P8902	74.1 -----	71.1 -----
RGT Peterxxon	74.9 -----	69.4 -----
P9944	71.7 -----	66.2 -----
RH24024	74.1 -----	68.3 -----
KXC4373	70.6 -----	64.6 -----
KXC4381	67.2 -	62.2 -
KXC4387	66.7 -	62.4 --
1097F714-01	72.1 -----	69.8 -----
1092F858-01	71.1 -----	66.1 -----
SY Evident	66.8 -	63.1 --
SY Remco	72.3 -----	69.3 -----
P0725	66.5 -	61.1 -
P9610	75.0 -----	71.5 -----
LID4040C	72.9 -----	67.6 -----
Arcadio	70.3 -----	68.1 -----
Foxway	72.0 -----	63.5 --
-Bezugsgrösse(n)	73.4 -----	69.3 -----
Versuchs-Mittel	71.8 -----	67.4 -----
VK [%]	0.9	2.0
KGD (5%)	1.1	2.2
KGD (1%)	1.4	3.0
Versuchs-Streuung	0.6	1.3
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0



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