



Résultats des essais variétaux de maïs grain 2020

Resultate der Hauptversuche Körnermais 2020

Autoren

Jürg Hiltbrunner, Tobias Huber und Pierre Pignon

Partner

Delley Samen und Pflanzen AG



Impressum

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Legende / Légende

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

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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 Nördlich der Alpen / Nord des Alpes

3.1 Serie früh / Série précoce

3.1.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2020	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	08.05.2020	19.10.2020 *
1567	Delley	500	20.05.2020	11.11.2020
1725	Grangeneuve	654	22.05.2020	09.11.2020
3065	Habstetten	680	20.05.2020	18.11.2020
8046	Reckenholz	440	19.05.2020	02.11.2020
8194	Hüntwangen	384	24.04.2020	21.10.2020
8566	Ellighausen	503	08.05.2020	11.11.2020

* Ertragsdaten nicht für Auswertung berücksichtigt / informations liée avec le rendement pas présent en compte pour les misent en valeur.

3.1.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
KWS Stabil	KXB2101	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/S	
LG 31211	LZM163/74	SC	Limagrain Europe	Fenaco, Moudon	KM01/S	SM01/S
P8521	X80A430	SC	Pioneer	Pioneer, Versoix	KM01/S	
ES Crossman	ESZ2105	SC	Euralis, F	Fenaco, Moudon / Hauenstein, Rafz	KM01/S	
P7515	X80H141	SC	Pioneer	Pioneer, Versoix	KM01/S	
DKC 2990	ES2950	SC	Monsanto, USA	Monsanto, Morges	KM01/e2	
Anovi CS	CSM 16109	SC	Caussade Semences		KM01/e2	
KWS Gustavius	KXB7327	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	
KWS Jaro	KXB8133	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e2	SM11/e2
	KXB9009	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	
	KXB9033	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	
	KXB9319	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM11/e1
	X85P703	SC	Pioneer	Pioneer, Versoix	KM01/e1	
ES Yakari	ESZ7105	SC	Euralis Saaten GmbH	Fenaco, Moudon / Hauenstein, Rafz	KM01/e1	SM01/e1
	Del18_1	SC	DSP, Delley	DSP, Delley	KM01/1.	
LG 30222	LZM 158/51	SC	Limagrain Europe	Fenaco, Moudon	KM01/T	SM01/T

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

Technische Versuchsangaben / données techniques / technical information										
Standort / lieu / site:	Nyon (420 m ü.M.)	Delley (500 m ü.M.)	Grangeneuve (650 m ü.M.)	Habstetten (680 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	Ellighausen (603 m ü.M.)			
Bodenart / type de sol / soil type:	Limono sableux	Moyen: 15-20% argile, pH 7.2	Moyen	Sandiger Lehm, pH 6.4	Braunerde	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):	15.07.+15.08. irrigation 35 mm; 27.07.+07.08. irrigation 30 mm; 466.6 mm 1963.4°C	502.6 mm (selon Agrometeo, station Delley) 1805.3°C (selon Agrometeo, station Delley)	406.4 mm 1592.3°C (selon Agrometeo, station Didingen)	767.6 mm (Station: Zäziwil) 1604.8 °C (Station: Zäziwil)	468 mm 1750.8 °C	416.8 mm (Station Wil) 1900.3 °C (Station Wil)	500.4 mm 1734.4 °C			
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengrösse / grandeur d'une parcelle / plot size:	4reihig, mit 1.4m Weg (22.4m2 brutto), 10m2 netto	Semé: 17 m2 per single plot (brut, avec chemin d'environ 1.1 m), 14.4 m2 net, 4 rangs Récolté: 8.5 m2 per single plot (brut, avec chemin), 7.2 m2 net, 2 rangs au milieu	4reihig, mit 1.4m Weg (22.4m2 brutto), 10 m2 netto	4reihig, mit 1.4m Weg (22.4m2 brutto), 10 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto			
Vorfrucht / précédent cultural / previous crop:	Luzerne	Blé d'automne	Pralie / Kunstwiese / temporary grassland	Gerste / orge / barley	Winterweizen / Gründüngung UFA Lephia	Zuckerrüben	Sonnenblumen			
Bodenbearbeitung / travail du sol / soil cultivation:	18.01 labour / charrue; 23.03. herse à disque; 27.04. + 07.05. + 25.05. vibroculteur	09.04.2020: Labour; 10.04.2020: Rouleau 19.05.2020: Herse rotative	Pflug (04.05.20) und Kreiselegge (08.05.2020) / charrue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Pflug (22.01.2020), Kulturegge (24.03.2020), Kreiselegge (15.04.2020+ 18.05.2020)	Grubber / Kreiselegge	Herbstfurche und Kreiselegge			
Saat / date de semis / sowing date:	08.05.2020	20.05.2020 (jour 141)	22.05.2020	20.05.2020	19.05.2020	24.04.2020	08.05.2020			
Ernte / date de récolte / harvest date:	19.10.2020	11.11.2020 (jour 316)	09.11.2020	18.11.2020	02.11.2020	21.10.2020	11.11.2020			
Saatdichte / densité de semis / sowing density:	10.0 Körner / grains pro m2	Semis: 10.9 grains pro m2 ; Eclairci à 10 pl/m2	10 Körner / grains pro m2	10.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2	11.0 Körner / grains pro m2			
Vegetationsdauer / durée de végétation / growing period	164 Tage / jours / days	175 jours	171 Tage / jours / days	182 Tage / jours / days	167 Tage / jours / days	180 Tage / jours / days	187 Tage / jours / days			
Reihenabstand / interlignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm			

Standort / lieu / site:	Nyon (420 m ü.M.)	Deiley (500 m ü.M.)	Grange neuve (630 m ü.M.)	Habstetten (711 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	Ellighausen (503 m ü.M.)
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	25.06.2020 hacken zwischen den Reihen gekoppelt mit Düngung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Gardo Gold 4 l/ha, Banvel 4S 0,5 l/ha, Elumis 1,3 l/ha (15.06.20)	12.06.2020: Elumis (1.2 L/ha) + Gardo Gold (4 L/ha) 25.06.2020: Banvel 4S (0.5 L/ha)	18.6.20: 1.5 l/ha Equip Power	03.06.2020: Elumis 1.3 l/ha, Spectrum 1.2 l/ha	01.07.2020: Aspect 2/ha, Laudis 2l/ha, Banvel 4S 0.6l/ha	20.5.20 EquipPower 1,5l/ha; Banvel 0,4l/ha; Bacalon Aqua 1,0l/ha	27.5. Aspect/Laudis/Banvel 4S
Grunddüngung / fumure de base / basic fertilisation:	18. 03. 470 kg/ha Landor 0.20.30 : 94 kg/ha P205 141 kg/ha K20	21.01.2020: Landor 0.20.30 (393 kg/ha : 0 U/ha N, 79 U/ha P2O5, 118 U/ha K2O, 31 U/ha Ca)	Lisier: 38m3/ha: teneurs moyennes: Ntot 1,95 kg/m3, P2O5 1,25 kg/m3 (30.04.2020)	21.04.20: Kall 60 %: 200 kg/ha, Granuphos 17 %: 310 kg /ha = 53 kg P/ha, 120 kg K/ha	27.03.2020 Tripple Superphosphat 3.8dt/ha (174 kg P2O5/ha)	21.4.20 DAP = 29 kg N/ha, 74 kg P2O5/ha; 19.3.20 Kali = 120 kg K2O/ha	15 t Stapelmist (67.5 kg N/ha), Triple super 60 kg P/ha
N-Düngung / fumure N / N fertilisation:	06.05 Nitrate ammoniacale 27.5%: 185 kg/ha = 51 kg N/ha; 03.06. urée perlée 46%: 130 kg/ha = 60 kg N/ha	04.05.2020: Sulfamid 30.0.0 (429 kg/ha: 79 U/ha N, 0 U/ha P2O5, 0 U/ha K2O, 13 U/ha Mg)	07.05.20: Nitrate 24 %: 103 kg /ha = 25 kg N/ha; 16.06.20: urée 46 %: 197 kg N/ha = 91 kg N/ha	22.05.20: 40 kg N/ha (ammonitrate), 16.06.20: 82 kg N/ha (Harnstoff / Urée)	Harnstoff 50 kg N/ha (19.05.2020), Harnstoff 10 kg N/ha (25.06.2020)	21.4.20 Sulfamid136N/ha	26.5.20: Ammonsalpeter 38 kg N/ha 13.6.20: Harnstoff 85 kg N/ha
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mine realisation at the beginning of the vegetation period:	-	-	-	-	95 kg N/ha (27.05.2020)	-	-
Ernte / Récolte / harvest:	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Wintersteiger Delta Mährescher / moissonneuse-batteuse harvesting	-	-

3.1.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager.		Stängel- bruch	Beulen- brand	Stängel- fäule		Gesamt- index
					Vegetation	Ernte			fäule	index	
De18_1	1.	3.43	-1.12	0.25		-0.20	1.23	-0.08	-0.42	3.09	
DKC 2990	e2	-0.03	-1.45	-0.09		0.47	2.19	-0.33	0.18	0.94	
ES Crossman	S	1.60	-2.70	-0.03		-0.05	1.63	0.01	0.32	0.78	
X85P703	e1	3.80	-4.26	-0.66		0.03	1.85	-0.20	0.22	0.78	
KWS Stabil	S	-1.60	2.70	0.03		0.05	-1.63	-0.01	-0.32	-0.78	
KWS Gustavius	e2	-0.62	-3.66	-0.22		0.91	1.95	-0.66	-0.09	-2.39	
P7515	S	-0.77	-2.64	-0.27		-1.36	1.52	-0.57	0.37	-3.72	
KXB9033	e1	-2.41	5.90	0.38		-0.17	-6.15	0.07	-1.87	-4.24	
LG 31211	S	-2.16	-3.69	0.28		0.21	1.94	-0.20	-0.66	-4.28	
KWS Jaro	e2	1.30	-4.21	0.38		-1.06	-0.28	-0.46	-0.36	-4.68	
P8521	S	-5.76	0.18	-0.26		0.80	0.49	-0.57	0.02	-5.09	
ES Yakari	e1	-6.51	0.45	-0.06		-0.77	1.85	-0.65	0.13	-5.57	
KXB9009	e1	-0.18	-5.03	0.44		0.65	-0.74	-0.84	-0.32	-6.03	
KXB9319	e1	-5.73	-1.91	0.07		1.06	1.13	-0.40	-0.82	-6.60	
Anovi CS	e2	-8.58	2.09	-0.10		-0.60	-0.32	-0.29	-2.75	-10.54	
LG 30222	T	-7.22	-5.04	0.13		-0.80	1.66	-0.08	-0.73	-12.08	
Bezugsgrößen		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
Anzahl Beob.		18	20	20		12	12	17	9		
Anzahl Orte		6	7	7		4	4	6	3		
Gewichtung		1	2.5	0.5		0.75	0.75	0.25	0.25		

3.1.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Wurzel- lager. Ernte %	Stängel- bruch Ernte %	Stängel fäule %
KWS Stabil	4.2	71.6	71.6	284.8	138.6	49.3	2.2	9.7	10.2
LG 31211	3.7	69.3	69.3	266.2	110.3	41.1	1.8	1.4	13.3
P8521	4.8	70.0	69.9	249.6	117.4	48.0	0.4	4.8	6.9
ES Crossman	4.3	71.3	71.7	290.2	134.6	45.6	2.4	2.1	4.1
P7515	4.8	73.0	72.4	266.3	136.7	51.9	5.5	2.4	3.7
DKC 2990	4.4	73.2	72.8	281.9	128.0	45.3	1.2	0.8	5.5
Anovi CS	4.5	72.1	72.4	245.1	113.3	47.4	3.7	6.7	32.8
KWS Gustavius	4.7	72.8	72.6	255.8	119.1	46.8	0.2	1.4	8.0
KWS Jaro	3.5	71.7	71.7	275.3	131.5	47.4	4.8	6.6	10.5
KXB9009	3.4	69.5	69.7	272.5	125.5	45.1	0.8	7.7	10.2
KXB9033	3.5	69.5	69.8	285.9	131.8	46.9	2.7	20.3	24.6
KXB9319	4.1	71.0	70.7	265.0	125.6	46.1	-0.2	3.3	14.8
X85P703	5.6	72.9	72.7	253.2	124.2	49.1	2.2	1.6	5.1
ES Yakari	4.4	71.8	71.6	273.7	125.4	46.9	4.1	1.6	6.0
Del18_1	3.8	71.5	71.4	268.4	120.1	45.4	2.8	3.1	11.1
LG 30222	4.0	70.1	70.4	252.0	109.2	43.0	4.1	2.1	14.0
Bezugsgrösse(n)	4.3	71.5	71.7	287.5	136.6	47.5	2.3	5.9	7.2
Versuchs-Mittel	4.2	71.3	71.3	267.9	124.4	46.6	2.4	4.7	11.3
VK [%]	14.8	1.2	1.2	3.8	6.8	6.4	189.3	121.4	65.2
KGD (5%)	0.4	0.7	0.6	7.6	6.3	2.0		4.6	6.9
KGD (1%)	0.5	0.9	0.8	10.0	8.3	2.7		6.1	9.2
Versuchs-Streuung	0.6	0.9	0.9	10.1	8.4	3.0	4.5	5.7	7.4
FG Fehlerterm	177.0	126.0	126.0	135.0	126.0	147.0	102.0	111.0	81.0
Anz. Beob.	20.0	14.0	14.0	14.0	14.0	17.0	12.0	12.0	9.0
Anz. Orte	7.0	5.0	5.0	5.0	5.0	6.0	4.0	4.0	3.0
Minimum	3.4	69.3	69.3	245.1	109.2	41.1	-0.2	0.8	3.7
Maximum	5.6	73.2	72.8	290.2	138.6	51.9	5.5	20.3	32.8

Sorten Bezeichnung	Helmin. thosp. Note	Beulen- brand %	Mais- zünsler %	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %	Feuchtig- Mess- gerät %
KWS Stabil	2.9	0.5	2.4	3.9	9.3	146.1	98.0	77.3	26.0
LG 31211	3.2	1.4	2.0	2.4	9.4	145.1	97.3	74.7	30.1
P8521	4.0	3.1	0.5	3.5	8.7	138.9	93.4	76.3	27.3
ES Crossman	3.2	0.4	1.3	2.9	8.8	151.7	102.1	75.1	29.3
P7515	3.5	3.1	0.4	2.7	9.1	147.5	99.3	75.1	27.4
DKC 2990	3.5	2.0	0.5	2.5	9.0	148.8	99.9	75.6	27.3
Anovi CS	2.9	1.8	0.4	2.6	9.2	134.0	90.5	77.0	26.7
KWS Gustavius	2.4	3.5	0.2	1.5	9.4	147.8	99.5	74.7	28.8
KWS Jaro	2.5	2.6	1.0	3.0	9.5	151.1	101.3	74.5	27.9
KXB9009	4.0	4.4	0.5	2.5	9.4	148.6	99.7	74.2	29.2
KXB9033	2.9	0.1	2.9	4.7	9.2	144.7	96.9	78.6	24.7
KXB9319	2.5	2.3	0.6	1.2	9.1	138.9	93.5	75.4	29.4
X85P703	2.3	1.4	1.8	1.7	8.8	155.5	104.9	74.5	29.2
ES Yakari	2.6	3.5	0.3	4.0	9.3	137.6	93.0	76.4	27.6
Del18_1	3.5	0.8	1.6	4.0	8.7	154.8	103.7	75.8	27.4
LG 30222	3.3	0.8	0.5	3.0	8.9	136.3	92.2	74.2	31.0
Bezugsgrösse(n)	3.0	0.4	1.8	3.4	9.0	148.9	100.0	76.2	27.7
Versuchs-Mittel	3.1	2.0	1.0	2.9	9.1	145.5	97.8	75.6	28.1
VK [%]	13.3	107.9	102.6	25.9	4.9	6.3	6.4	1.4	2.6
KGD (5%)	0.5	1.4	1.1	1.3	0.3	6.1	4.1	0.6	1.2
KGD (1%)	0.7	1.9	1.4	1.7	0.4	8.0	5.4	0.8	1.6
Versuchs-Streuung	0.4	2.1	1.1	0.7	0.4	9.2	6.3	1.0	0.7
FG Fehlerterm	45.0	156.0	75.0	21.0	186.0	153.0	153.0	186.0	30.0
Anz. Beob.	5.0	17.0	8.0	3.0	20.0	18.0	18.0	20.0	3.0
Anz. Orte	2.0	6.0	3.0	1.0	7.0	6.0	6.0	7.0	1.0
Minimum	2.3	0.1	0.2	1.2	8.7	134.0	90.5	74.2	24.7
Maximum	4.0	4.4	2.9	4.7	9.5	155.5	104.9	78.6	31.0

3.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangen.	3065 Habstetten
KWS Stabil	4.2 ----	3.0 -	4.3 -----	4.7 -----	4.0 ---
LG 31211	3.7 --	4.0 -----	4.7 -----	4.3 ---	4.0 ---
P8521	4.8 -----	4.5 -----	5.0 -----	4.7 -----	5.0 -----
ES Crossman	4.3 -----	4.0 -----	4.7 -----	4.3 ----	4.0 ---
P7515	4.8 -----	4.0 -----	4.3 -----	5.0 -----	5.0 -----
DKC 2990	4.4 ----	4.0 -----	5.0 -----	4.0 --	4.3 ----
Anovi CS	4.5 ----	4.5 -----	4.3 -----	5.3 -----	5.0 -----
KWS Gustavius	4.7 -----	5.0 -----	4.3 -----	5.3 -----	5.0 -----
KWS Jaro	3.5 -	3.5 ---	4.0 ----	4.7 -----	4.0 ---
KXB9009	3.4 -	3.5 ---	3.7 ---	4.3 ----	3.7 -
KXB9033	3.5 -	3.5 ---	3.3 -	3.7 -	4.0 ---
KXB9319	4.1 ----	4.0 -----	4.7 -----	4.3 ----	4.3 ----
X85P703	5.6 -----	5.0 -----	5.0 -----	5.7 -----	5.0 -----
ES Yakari	4.4 ----	3.5 ---	4.3 -----	4.3 ----	5.0 -----
Del18_1	3.8 --	3.5 ---	4.7 -----	4.3 ----	4.0 ---
LG 30222	4.0 ---	3.5 ---	4.3 -----	4.3 ----	4.7 -----
-Bezugsgrösse(n)	4.3 ----	3.5 ---	4.5 -----	4.5 ----	4.0 ---
Versuchs-Mittel	4.2 ----	3.9 ----	4.4 -----	4.6 ----	4.4 ----
VK [%]	14.8	16.1	14.3	12.3	6.1
KGD (5%)	0.4	ns	ns	0.9	0.4
KGD (1%)	0.5	ns	ns	ns	0.6
Versuchs-Streuung	0.6	0.6	0.6	0.6	0.3
FG Fehlerterm	177.0	15.0	30.0	30.0	30.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	104.0	15	17.70 ***	1.72	0.0000
Anbauorte	36.8	6	15.66 ***	2.15	0.0000
WW Verf.*Anb.Orte	81.4	90	2.31 ***	1.34	0.0003
Fehler	69.3	177			
Insgesamt	291.5	288			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	5.0 -----	3.4 ----	4.9 -----
LG 31211	4.0 ----	2.3 -	2.6 -
P8521	5.3 -----	4.0 -----	5.0 -----
ES Crossman	4.0 ----	4.0 -----	5.3 -----
P7515	5.3 -----	4.7 -----	5.3 -----
DKC 2990	4.3 ----	4.3 -----	5.1 -----
Anovi CS	4.3 ----	4.0 -----	3.7 ----
KWS Gustavius	5.0 -----	3.6 ----	4.6 -----
KWS Jaro	3.3 --	2.7 --	2.3 -
KXB9009	3.0 -	2.4 -	3.1 --
KXB9033	5.0 -----	2.3 -	2.6 --
KXB9319	3.3 --	3.0 ---	5.2 -----
X85P703	6.3 -----	5.6 -----	6.5 -----
ES Yakari	5.3 -----	3.3 ---	4.9 -----
Del18_1	3.3 --	3.7 ----	2.8 --
LG 30222	4.0 ----	3.3 ----	3.9 ----
-Bezugsgrösse(n)	4.5 ----	3.7 ----	5.1 -----
Versuchs-Mittel	4.4 ----	3.5 ----	4.2 ----
VK [%]	18.1	15.1	19.5
KGD (5%)	1.3	0.9	1.4
KGD (1%)	1.8	1.2	1.9
Versuchs-Streuung	0.8	0.5	0.8
FG Fehlerterm	30.0	21.0	21.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	71.6 -----	69.0 -----	71.7 -----	70.7 -----	68.7 -----
LG 31211	69.3 -	67.5 --	69.0 --	68.3 -	66.0 -
P8521	70.0 --	67.5 --	69.7 ---	70.0 ----	66.7 --
ES Crossman	71.3 -----	70.0 -----	70.7 -----	70.0 ----	68.3 -----
P7515	73.0 -----	70.0 -----	72.3 -----	73.7 -----	70.0 -----
DKC 2990	73.2 -----	71.5 -----	72.0 -----	72.3 -----	70.0 -----
Anovi CS	72.1 -----	70.5 -----	71.7 -----	71.7 -----	68.3 -----
KWS Gustavius	72.8 -----	71.5 -----	72.0 -----	71.3 -----	70.0 -----
KWS Jaro	71.7 -----	69.5 -----	71.3 -----	71.0 -----	68.3 -----
KXB9009	69.5 -	68.0 ---	68.7 -	68.0 -	66.0 -
KXB9033	69.5 -	67.0 -	68.7 -	68.3 -	67.0 ---
KXB9319	71.0 ----	67.5 --	70.7 ----	71.3 ----	68.0 ----
X85P703	72.9 -----	70.5 -----	71.3 -----	72.3 -----	70.0 -----
ES Yakari	71.8 -----	69.5 -----	71.0 -----	71.0 -----	69.0 -----
Del18_1	71.5 -----	71.0 -----	71.0 -----	70.7 ----	67.3 ----
LG 30222	70.1 ---	68.0 ---	69.7 ---	69.7 ----	66.7 --
-Bezugsgrösse(n)	71.5 -----	69.5 -----	71.2 -----	70.3 -----	68.5 -----
Versuchs-Mittel	71.3 -----	69.3 -----	70.7 -----	70.6 -----	68.1 -----
VK [%]	1.2	1.5	1.4	0.9	1.4
KGD (5%)	0.7	2.3	1.6	1.0	1.6
KGD (1%)	0.9	3.2	2.2	1.4	2.2
Versuchs-Streuung	0.9	1.1	1.0	0.6	1.0
FG Fehlerterm	126.0	15.0	30.0	30.0	30.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	373.8	15	31.99 ***	1.75	0.0000
Anbauorte	2611.9	4	838.25 ***	2.45	0.0000
WW Verf.*Anb.Orte	57.5	60	1.23 ns	1.42	0.1673
Fehler	98.1	126			
Insgesamt	3141.3	205			

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

Verfahren	8566 Ellighausen TG
KWS Stabil	78.0 -----
LG 31211	75.6 -
P8521	76.3 --
ES Crossman	77.7 -----
P7515	79.1 -----
DKC 2990	80.3 -----
Anovi CS	78.3 -----
KWS Gustavius	79.4 -----
KWS Jaro	78.3 -----
KXB9009	76.6 ---
KXB9033	76.3 --
KXB9319	77.4 ---
X85P703	80.3 -----
ES Yakari	78.4 -----
Del18_1	77.7 -----
LG 30222	76.7 ---
-Bezugsgrösse(n)	77.9 -----
Versuchs-Mittel	77.9 -----
VK [%]	1.0
KGD (5%)	1.3
KGD (1%)	1.8
Versuchs-Streuung	0.8
FG Fehlerterm	21.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	71.6 -----	69.0 -----	70.7 -----	70.0 -----	69.3 -----
LG 31211	69.3 -	67.0 -	68.0 -	68.0 -	66.3 -
P8521	69.9 --	67.5 --	67.7 -	69.7 -----	66.7 --
ES Crossman	71.7 -----	69.5 -----	70.7 -----	70.0 -----	68.7 -----
P7515	72.4 -----	70.0 -----	71.7 -----	71.0 -----	69.3 -----
DKC 2990	72.8 -----	71.0 -----	72.0 -----	71.0 -----	70.0 -----
Anovi CS	72.4 -----	70.5 -----	71.7 -----	71.0 -----	69.0 -----
KWS Gustavius	72.6 -----	71.0 -----	71.3 -----	70.7 -----	69.7 -----
KWS Jaro	71.7 -----	69.0 -----	71.3 -----	70.0 -----	69.0 -----
KXB9009	69.7 --	68.0 ---	68.0 -	68.0 -	66.3 -
KXB9033	69.8 --	67.0 -	68.0 -	68.3 --	67.7 ---
KXB9319	70.7 ---	67.5 --	69.3 ---	70.0 -----	67.7 ---
X85P703	72.7 -----	70.5 -----	71.7 -----	71.3 -----	70.0 -----
ES Yakari	71.6 -----	69.5 -----	70.7 -----	70.3 -----	69.0 -----
Del18_1	71.4 -----	70.5 -----	70.7 -----	70.0 -----	68.0 -----
LG 30222	70.4 ---	67.5 --	69.7 -----	69.7 -----	66.7 --
-Bezugsgrösse(n)	71.7 -----	69.3 -----	70.7 -----	70.0 -----	69.0 -----
Versuchs-Mittel	71.3 -----	69.1 -----	70.2 -----	69.9 -----	68.3 -----
VK [%]	1.2	1.5	1.7	0.8	1.2
KGD (5%)	0.6	2.2	1.9	1.0	1.4
KGD (1%)	0.8	3.0	2.6	1.3	1.8
Versuchs-Streuung	0.9	1.0	1.2	0.6	0.8
FG Fehlerterm	126.0	15.0	30.0	30.0	30.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	293.5	15	26.58 ***	1.75	0.0000
Anbauorte	3370.4	4	1144.75 ***	2.45	0.0000
WW Verf.*Anb.Orte	48.6	60	1.10 ns	1.42	0.3221
Fehler	92.7	126			
Insgesamt	3805.3	205			

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

Verfahren	8566 Ellighausen TG
KWS Stabil	79.1 -----
LG 31211	77.2 -
P8521	77.9 ---
ES Crossman	79.6 -----
P7515	80.0 -----
DKC 2990	80.0 -----
Anovi CS	79.7 -----
KWS Gustavius	80.2 -----
KWS Jaro	79.3 -----
KXB9009	78.0 ---
KXB9033	78.0 ---
KXB9319	78.8 -----
X85P703	80.2 -----
ES Yakari	78.5 -----
Del18_1	78.1 ---
LG 30222	78.4 -----
-Bezugsgrösse(n)	79.4 -----
Versuchs-Mittel	78.9 -----
VK [%]	0.7
KGD (5%)	0.9
KGD (1%)	1.2
Versuchs-Streuung	0.5
FG Fehlerterm	21.0
Anz. Beob.	3.0

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	284.8 -----	222.5 -----	283.3 -----	316.7 -----	297.0 -----
LG 31211	266.2 ----	227.5 -----	270.0 ----	278.3 --	275.0 ----
P8521	249.6 --	187.5 -	265.0 ----	275.0 --	257.7 --
ES Crossman	290.2 -----	237.5 -----	286.7 -----	315.0 -----	307.7 -----
P7515	266.3 ----	217.5 -----	265.0 ----	278.3 --	288.7 -----
DKC 2990	281.9 -----	220.0 -----	268.3 ----	310.0 -----	308.0 -----
Anovi CS	245.1 -	190.0 -	243.3 -	270.0 -	247.0 -
KWS Gustavius	255.8 ---	190.0 -	268.3 ----	275.0 --	279.0 ----
KWS Jaro	275.3 -----	222.5 -----	276.7 -----	295.0 ----	288.0 -----
KXB9009	272.5 -----	222.5 -----	276.7 -----	293.3 ----	275.3 ----
KXB9033	285.9 -----	212.5 ----	298.3 -----	323.3 -----	292.3 -----
KXB9319	265.0 ----	212.5 ----	273.3 ----	285.0 ---	278.7 ----
X85P703	253.2 --	202.5 ----	251.7 --	278.3 --	264.0 ---
ES Yakari	273.7 -----	215.0 -----	260.0 ----	295.0 ----	300.0 -----
Del18_1	268.4 -----	207.5 ----	266.7 ----	295.0 ----	282.3 -----
LG 30222	252.0 --	200.0 ---	268.3 ----	271.7 -	248.0 -
-Bezugsgrösse(n)	287.5 -----	230.0 -----	285.0 -----	315.8 -----	302.3 -----
Versuchs-Mittel	267.9 -----	211.7 ----	270.1 ----	290.9 ----	280.5 -----
VK [%]	3.8	6.4	4.7	3.0	2.8
KGD (5%)	7.6	ns	21.0	14.4	12.9
KGD (1%)	10.0	ns	28.3	19.4	17.4
Versuchs-Streuung	10.1	13.6	12.6	8.6	7.7
FG Fehlerterm	135.0	15.0	30.0	30.0	30.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	40564.1	15	26.34 ***	1.74	0.0000
Anbauorte	187267.9	4	456.01 ***	2.44	0.0000
WW Verf.*Anb.Orte	12513.6	60	2.03 ***	1.42	0.0008
Fehler	13860.1	135			
Insgesamt	254205.8	214			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566 Ellighausen TG
KWS Stabil	304.3 -----
LG 31211	280.0 ----
P8521	262.7 -
ES Crossman	304.3 -----
P7515	282.0 ----
DKC 2990	303.0 -----
Anovi CS	275.3 ----
KWS Gustavius	266.7 --
KWS Jaro	294.3 -----
KXB9009	294.7 -----
KXB9033	303.0 -----
KXB9319	275.3 ----
X85P703	269.3 --
ES Yakari	298.7 -----
Del18_1	290.7 -----
LG 30222	272.0 ---
-Bezugsgrösse(n)	304.3 -----
Versuchs-Mittel	286.0 -----
VK [%]	3.1
KGD (5%)	14.6
KGD (1%)	19.7
Versuchs-Streuung	8.8
FG Fehlerterm	30.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	138.6	110.0	135.0	148.3	139.8
LG 31211	110.3	90.0	113.3	108.3	120.8
P8521	117.4	90.0	120.0	123.3	133.2
ES Crossman	134.6	110.0	138.3	143.3	143.8
P7515	136.7	122.5	128.3	136.7	138.3
DKC 2990	128.0	85.0	130.0	150.0	139.2
Anovi CS	113.3	92.5	106.7	116.7	123.5
KWS Gustavius	119.1	87.5	123.3	120.0	132.1
KWS Jaro	131.5	100.0	130.0	140.0	140.8
KXB9009	125.5	102.5	130.0	130.0	133.4
KXB9033	131.8	105.0	131.7	150.0	128.5
KXB9319	125.6	95.0	135.0	126.7	132.6
X85P703	124.2	95.0	133.3	135.0	120.0
ES Yakari	125.4	92.5	131.7	131.7	129.1
Del18_1	120.1	87.5	135.0	135.0	124.7
LG 30222	109.2	80.0	123.3	108.3	116.8
-Bezugsgrösse(n)	136.6	110.0	136.7	145.8	141.8
Versuchs-Mittel	124.4	96.6	127.8	131.5	131.0
VK [%]	6.8	7.4	7.4	6.2	5.3
KGD (5%)	6.3	15.3	15.8	13.6	11.8
KGD (1%)	8.3	21.2	ns	18.3	16.1
Versuchs-Streuung	8.4	7.2	9.5	8.1	7.0
FG Fehlerterm	126.0	15.0	30.0	30.0	21.0
Anz. Beob.	14.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17149.3	15	16.04 ***	1.75	0.0000
Anbauorte	44829.9	4	157.28 ***	2.45	0.0000
WW Verf.*Anb.Orte	8722.3	60	2.04 ***	1.42	0.0008
Fehler	8978.5	126			
Insgesamt	79679.9	205			

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

Verfahren	8566 Ellighausen TG
KWS Stabil	159.7
LG 31211	119.0
P8521	120.3
ES Crossman	137.3
P7515	157.7
DKC 2990	135.7
Anovi CS	127.3
KWS Gustavius	132.3
KWS Jaro	146.7
KXB9009	131.7
KXB9033	144.0
KXB9319	138.7
X85P703	137.7
ES Yakari	142.0
Del18_1	118.3
LG 30222	117.7
-Bezugsgrösse(n)	148.5
Versuchs-Mittel	135.4
VK [%]	6.8
KGD (5%)	15.3
KGD (1%)	20.5
Versuchs-Streuung	9.1
FG Fehlerterm	30.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
KWS Stabil	49.3 -----	49.5 -----	52.1 -----	47.8 -----	46.9 -----
LG 31211	41.1 -	39.5 -	39.6 -	42.0 -	39.0 -
P8521	48.0 -----	47.9 -----	52.2 -----	45.5 ----	44.9 -----
ES Crossman	45.6 -----	46.2 -----	41.6 --	48.2 -----	45.5 -----
P7515	51.9 -----	56.3 -----	54.4 -----	48.4 -----	49.0 -----
DKC 2990	45.3 ----	39.1 -	46.0 ----	48.4 -----	48.4 -----
Anovi CS	47.4 -----	48.8 -----	52.0 -----	43.8 --	43.2 ----
KWS Gustavius	46.8 -----	46.3 ----	48.0 ----	45.9 ----	43.7 ----
KWS Jaro	47.4 -----	44.9 ----	45.8 ----	47.0 ----	47.5 -----
KXB9009	45.1 ----	46.3 ----	39.6 -	47.0 ----	44.3 ----
KXB9033	46.9 -----	49.4 -----	49.9 -----	44.1 --	46.4 -----
KXB9319	46.1 ----	44.7 ----	39.6 -	49.6 -----	44.4 ----
X85P703	49.1 -----	47.1 ----	49.9 -----	53.0 -----	48.5 -----
ES Yakari	46.9 -----	43.2 ---	52.1 -----	50.7 -----	44.6 -----
Del18_1	45.4 ----	42.1 --	49.9 -----	50.6 -----	45.8 -----
LG 30222	43.0 --	40.0 -	41.7 --	46.0 ----	39.9 --
-Bezugsgrösse(n)	47.5 -----	47.9 -----	46.9 -----	48.0 -----	46.2 -----
Versuchs-Mittel	46.6 -----	45.7 ----	47.2 -----	47.4 ----	45.1 -----
VK [%]	6.4	5.9	6.4	7.8	5.6
KGD (5%)	2.0	5.7	5.1	ns	4.2
KGD (1%)	2.7	7.9	6.9	ns	5.7
Versuchs-Streuung	3.0	2.7	3.0	3.7	2.5
FG Fehlerterm	147.0	15.0	21.0	30.0	30.0
Anz. Beob.	17.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1627.5	15	12.23 ***	1.74	0.0000
Anbauorte	205.0	5	4.62 ***	2.28	0.0007
WW Verf.*Anb.Orte	1984.6	75	2.98 ***	1.38	0.0001
Fehler	1304.5	147			
Insgesamt	5121.6	242			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
KWS Stabil	47.2 ----	52.5 -----
LG 31211	43.9 -	42.5 --
P8521	51.6 -----	45.8 ----
ES Crossman	46.8 -----	45.1 ---
P7515	47.5 -----	55.9 -----
DKC 2990	45.3 ---	44.7 ---
Anovi CS	50.3 -----	46.4 ----
KWS Gustavius	47.3 ----	49.6 -----
KWS Jaro	49.3 -----	49.8 -----
KXB9009	48.7 -----	44.7 ---
KXB9033	44.0 -	47.5 ----
KXB9319	47.8 -----	50.4 -----
X85P703	45.2 ---	51.2 -----
ES Yakari	43.3 -	47.6 ----
Del18_1	43.5 -	40.8 -
LG 30222	47.1 ----	43.3 --
-Bezugsgrösse(n)	47.0 -----	48.8 -----
Versuchs-Mittel	46.8 -----	47.4 -----
VK [%]	4.7	6.8
KGD (5%)	3.7	5.3
KGD (1%)	5.1	7.2
Versuchs-Streuung	2.2	3.2
FG Fehlerterm	21.0	30.0
Anz. Beob.	3.0	3.0

Verse à la récolte [note] / Wurzellagerung Ernte [Note]

Verfahren	Seriemittel		1567 Delley FR	
KWS Stabil	1.4	----	1.4	----
LG 31211	0.9	-	0.9	-
P8521	1.1	--	1.1	--
ES Crossman	1.5	-----	1.5	-----
P7515	1.5	-----	1.5	-----
DKC 2990	1.1	--	1.1	--
Anovi CS	1.6	-----	1.6	-----
KWS Gustavius	1.1	--	1.1	--
KWS Jaro	2.0	-----	2.0	-----
KXB9009	1.1	--	1.1	--
KXB9033	1.2	---	1.2	---
KXB9319	0.9	-	0.9	-
X85P703	1.0	--	1.0	--
ES Yakari	1.4	----	1.4	----
Del18_1	1.3	----	1.3	----
LG 30222	1.3	----	1.3	----
-Bezugsgrösse(n)	1.4	----	1.4	----
Versuchs-Mittel	1.3	---	1.3	---
VK [%]	37.3		37.3	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.5		0.5	
FG Fehlerterm	21.0		21.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel		1567 Delley FR		8046 Reckenholz ZH		8194 Hüntwangen ZH		8566 Ellighausen TG	
KWS Stabil	2.2	----	4.6	-----	0.6	---	1.5	-----	1.9	--
LG 31211	1.8	---	-1.3	-	1.0	----	0.0	-	7.5	-----
P8521	0.4	--	1.3	--	0.3	--	0.0	-	0.0	-
ES Crossman	2.4	-----	6.1	-----	1.4	-----	0.6	--	1.5	--
P7515	5.5	-----	5.7	-----	3.1	-----	1.9	-----	11.1	-----
DKC 2990	1.2	---	0.9	--	1.5	-----	0.0	-	2.4	---
Anovi CS	3.7	-----	7.9	-----	2.0	-----	2.5	-----	2.4	---
KWS Gustavius	0.2	-	0.6	--	-0.0	-	0.0	-	0.0	-
KWS Jaro	4.8	-----	12.7	-----	2.9	-----	2.9	-----	0.5	-
KXB9009	0.8	--	0.7	--	1.4	-----	0.0	-	1.0	-
KXB9033	2.7	-----	2.4	---	3.6	-----	1.0	----	3.6	----
KXB9319	-0.2	-	-0.7	-	-0.1	-	0.0	-	0.0	-
X85P703	2.2	----	0.2	--	0.9	---	1.0	----	6.7	-----
ES Yakari	4.1	-----	5.0	-----	3.0	-----	1.0	----	7.4	-----
Del18_1	2.8	-----	3.5	----	1.0	---	0.0	-	6.5	-----
LG 30222	4.1	-----	4.1	----	1.4	-----	0.0	-	11.0	-----
-Bezugsgrösse(n)	2.3	-----	5.4	-----	1.0	----	1.0	----	1.7	--
Versuchs-Mittel	2.4	-----	3.4	----	1.5	-----	0.8	---	4.0	----
VK [%]	189.3		175.4		102.1		231.9		161.2	
KGD (5%)	ns		ns		ns		ns		ns	
KGD (1%)	ns		ns		ns		ns		ns	
Versuchs-Streuung	4.5		5.9		1.5		1.8		6.4	
FG Fehlerterm	102.0		21.0		21.0		30.0		30.0	
Anz. Beob.	12.0		3.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	514.0	15	1.66 ns	1.77	0.0718
Anbauorte	329.1	3	5.31 **	2.69	0.0019
WW Verf.*Anb.Orte	854.7	45	0.92 ns	1.49	0.6177
Fehler	2108.8	102			
Insgesamt	3806.6	165			

Plantes cassées à la récolte [note] / Stängelbruch Ernte [Note]

Verfahren	Seriemittel	1567 Delley FR
KWS Stabil	1.0 -	1.0 -
LG 31211	1.1 --	1.1 --
P8521	1.4 -----	1.4 -----
ES Crossman	1.0 -	1.0 -
P7515	1.0 --	1.0 --
DKC 2990	1.0 -	1.0 -
Anovi CS	1.0 -	1.0 -
KWS Gustavius	1.0 -	1.0 -
KWS Jaro	1.0 -	1.0 -
KXB9009	1.0 -	1.0 -
KXB9033	1.7 -----	1.7 -----
KXB9319	1.0 -	1.0 -
X85P703	1.0 -	1.0 -
ES Yakari	1.3 -----	1.3 -----
Del18_1	1.3 -----	1.3 -----
LG 30222	1.0 -	1.0 -
-Bezugsgrösse(n)	1.0 -	1.0 -
Versuchs-Mittel	1.1 ---	1.1 ---
VK [%]	34.0	34.0
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.4	0.4
FG Fehlerterm	21.0	21.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	9.7 ----	0.2 -	1.0 --	34.4 -----	3.4 ---
LG 31211	1.4 -	0.8 --	1.0 --	2.9 -	1.0 -
P8521	4.8 ---	5.0 -----	2.0 ---	12.2 ---	0.0 -
ES Crossman	2.1 -	-0.1 -	1.5 ---	5.8 -	1.5 --
P7515	2.4 -	0.5 --	3.1 ----	3.6 -	2.5 --
DKC 2990	0.8 -	0.2 -	1.6 ---	1.6 -	0.0 -
Anovi CS	6.7 ----	-0.3 -	6.9 -----	10.7 --	9.3 -----
KWS Gustavius	1.4 -	-0.0 -	4.4 -----	1.2 -	0.0 -
KWS Jaro	6.6 ----	-0.3 -	3.3 ----	22.9 ----	0.5 -
KXB9009	7.7 ----	-0.0 -	1.0 --	27.2 -----	2.6 --
KXB9033	20.3 -----	8.2 -----	3.0 ----	54.0 -----	16.0 -----
KXB9319	3.3 --	-0.6 -	0.0 -	11.4 ---	2.5 --
X85P703	1.6 -	-0.6 -	2.0 ---	1.5 -	3.6 ---
ES Yakari	1.6 -	4.2 -----	0.0 -	2.4 -	0.0 -
Del18_1	3.1 --	4.4 -----	1.0 --	5.8 -	1.0 -
LG 30222	2.1 -	0.0 -	1.5 ---	6.2 --	0.5 -
-Bezugsgrösse(n)	5.9 ---	0.0 -	1.3 --	20.1 ----	2.4 --
Versuchs-Mittel	4.7 ---	1.3 ---	2.1 ----	12.7 ---	2.8 --
VK [%]	121.4	358.3	111.5	76.9	79.3
KGD (5%)	4.6	ns	ns	16.3	3.7
KGD (1%)	6.1	ns	ns	22.0	4.9
Versuchs-Streuung	5.7	4.8	2.3	9.8	2.2
FG Fehlerterm	111.0	21.0	30.0	30.0	30.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4362.0	15	8.83 ***	1.76	0.0000
Anbauorte	4144.9	3	41.96 ***	2.69	0.0000
WW Verf.*Anb.Orte	6776.6	45	4.57 ***	1.48	0.0000
Fehler	3654.8	111			
Insgesamt	18938.3	174			

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	10.2 ---	3.1 -	24.6 -----	2.9 --
LG 31211	13.3 ----	20.7 -----	14.0 ---	5.2 ---
P8521	6.9 --	6.3 --	4.6 -	10.0 ----
ES Crossman	4.1 -	2.0 -	9.5 --	1.0 -
P7515	3.7 -	4.6 -	4.5 -	2.0 --
DKC 2990	5.5 -	2.0 -	14.4 ---	0.0 -
Anovi CS	32.8 -----	43.4 -----	33.9 -----	21.1 -----
KWS Gustavius	8.0 --	7.3 --	13.7 ---	2.9 --
KWS Jaro	10.5 ---	1.4 -	29.6 -----	0.5 -
KXB9009	10.2 ---	3.3 -	25.7 -----	1.6 -
KXB9033	24.6 -----	21.8 -----	40.6 -----	11.5 -----
KXB9319	14.8 ----	3.5 -	35.0 -----	6.0 ---
X85P703	5.1 -	5.1 -	6.1 -	4.1 ---
ES Yakari	6.0 -	5.0 -	8.4 --	4.6 ---
Del18_1	11.1 ---	13.4 ---	17.5 ----	2.5 --
LG 30222	14.0 ----	16.7 ----	19.6 -----	5.7 ---
-Bezugsgrösse(n)	7.2 --	2.5 -	17.0 ----	1.9 --
Versuchs-Mittel	11.3 ---	10.0 ---	18.9 -----	5.1 ---
VK [%]	65.2	77.4	46.8	112.3
KGD (5%)	6.9	12.9	15.0	9.5
KGD (1%)	9.2	17.3	20.4	ns
Versuchs-Streuung	7.4	7.7	8.8	5.7
FG Fehlerterm	81.0	30.0	21.0	30.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8155.2	15	10.00 ***	1.79	0.0000
Anbauorte	4677.7	2	43.03 ***	3.11	0.0000
WW Verf.*Anb.Orte	4694.8	30	2.88 ***	1.60	0.0004
Fehler	4402.2	81			
Insgesamt	21929.9	128			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1260 Nyon	3065 Habstetten
KWS Stabil	2.9 ----	2.5 ---	3.3 -----
LG 31211	3.2 -----	3.0 -----	3.3 -----
P8521	4.0 -----	4.0 -----	4.0 -----
ES Crossman	3.2 -----	3.0 -----	3.3 -----
P7515	3.5 -----	3.0 -----	4.0 -----
DKC 2990	3.5 -----	3.0 -----	4.0 -----
Anovi CS	2.9 ---	2.5 ---	3.3 -----
KWS Gustavius	2.4 --	2.5 ---	2.3 --
KWS Jaro	2.5 --	2.0 -	3.0 -----
KXB9009	4.0 -----	4.0 -----	4.0 -----
KXB9033	2.9 ----	2.5 ---	3.3 -----
KXB9319	2.5 --	2.0 -	3.0 -----
X85P703	2.3 -	2.5 ---	2.0 -
ES Yakari	2.6 ---	2.5 ---	2.7 ----
Del18_1	3.5 -----	3.0 -----	4.0 -----
LG 30222	3.3 -----	3.0 -----	3.7 -----
-Bezugsgrösse(n)	3.0 -----	2.8 ----	3.3 -----
Versuchs-Mittel	3.1 -----	2.8 ----	3.3 -----
VK [%]	13.3	14.5	12.3
KGD (5%)	0.5	0.9	0.7
KGD (1%)	0.7	1.2	0.9
Versuchs-Streuung	0.4	0.4	0.4
FG Fehlerterm	45.0	15.0	30.0
Anz. Beob.	5.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	22.1	15	8.81 ***	1.90	0.0000
Anbauorte	5.4	1	32.37 ***	4.05	0.0000
WW Verf.*Anb.Orte	4.6	15	1.85 ns	1.90	0.0571
Fehler	7.5	45			
Insgesamt	39.8	76			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	0.5 -	1.7 -	0.4 ---	0.7 -	0.0 -
LG 31211	1.4 ---	2.8 --	0.7 -----	1.4 --	1.0 -----
P8521	3.1 -----	4.2 ---	0.4 ---	8.1 -----	1.0 -----
ES Crossman	0.4 -	1.8 -	0.0 -	0.3 -	0.0 -
P7515	3.1 -----	10.5 -----	0.3 ---	2.5 ---	2.6 -----
DKC 2990	2.0 -----	7.1 -----	0.8 -----	1.1 --	0.0 -
Anovi CS	1.8 -----	4.4 ---	0.7 -----	4.9 -----	0.0 -
KWS Gustavius	3.5 -----	15.5 -----	0.0 -	1.5 --	1.5 -----
KWS Jaro	2.6 -----	7.7 -----	1.1 -----	5.2 -----	1.4 -----
KXB9009	4.4 -----	13.2 -----	1.3 -----	8.1 -----	0.0 -
KXB9033	0.1 -	0.6 -	0.0 -	0.0 -	0.0 -
KXB9319	2.3 -----	8.3 -----	0.0 -	4.4 -----	1.0 -----
X85P703	1.4 -----	4.1 ---	0.0 -	0.4 -	0.0 -
ES Yakari	3.5 -----	6.0 -----	1.1 -----	9.4 -----	0.5 ---
Del18_1	0.8 --	2.4 --	0.0 -	0.4 -	0.0 -
LG 30222	0.8 --	1.7 -	0.0 -	2.0 ---	0.5 ---
-Bezugsgrösse(n)	0.4 -	1.8 -	0.2 --	0.5 -	0.0 -
Versuchs-Mittel	2.0 -----	5.8 -----	0.4 -----	3.1 -----	0.6 ---

VK [%]	107.9	92.8	174.3	68.6	160.4
KGD (5%)	1.4	ns	ns	3.6	ns
KGD (1%)	1.9	ns	ns	4.8	ns
Versuchs-Streuung	2.1	5.3	0.7	2.2	1.0
FG Fehlerterm	156.0	15.0	30.0	30.0	30.0
Anz. Beob.	17.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	428.1	15	6.32 ***	1.73	0.0000
Anbauorte	1018.2	5	45.08 ***	2.27	0.0000
WW Verf.*Anb.Orte	930.7	75	2.75 ***	1.37	0.0001
Fehler	704.7	156			
Insgesamt	3081.7	251			

Charbon [%] / Beulenbrand [%]

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	0.0 -	0.0 --
LG 31211	0.5 --	1.8 -----
P8521	3.6 -----	1.3 -----
ES Crossman	0.0 -	0.2 ---
P7515	2.3 -----	0.4 ---
DKC 2990	2.7 -----	-0.0 --
Anovi CS	1.0 ---	-0.2 -
KWS Gustavius	2.7 -----	0.1 --
KWS Jaro	0.0 -	0.1 --
KXB9009	2.7 -----	0.9 -----
KXB9033	0.0 -	0.2 --
KXB9319	0.0 -	-0.0 -
X85P703	2.6 -----	1.1 -----
ES Yakari	1.9 -----	1.9 -----
Del18_1	2.1 -----	-0.1 -
LG 30222	0.0 -	0.6 ---
-Bezugsgrösse(n)	0.0 -	0.1 --
Versuchs-Mittel	1.4 ---	0.5 ---

VK [%]	115.8	171.9
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.6	0.9
FG Fehlerterm	30.0	21.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten
KWS Stabil	2.4 -----	5.7 -----	0.4 ---	1.1 -----
LG 31211	2.0 -----	4.4 -----	0.7 ----	0.7 ----
P8521	0.5 --	0.6 --	0.0 -	0.8 ----
ES Crossman	1.3 -----	3.0 -----	0.8 -----	0.0 -
P7515	0.4 --	0.6 --	0.3 --	0.4 ---
DKC 2990	0.5 --	0.0 -	0.0 -	1.6 -----
Anovi CS	0.4 --	0.5 --	0.0 -	0.7 ----
KWS Gustavius	0.2 -	0.5 --	0.0 -	0.0 -
KWS Jaro	1.0 ---	2.2 ---	0.0 -	0.7 ----
KXB9009	0.5 --	0.0 -	0.0 -	1.4 -----
KXB9033	2.9 -----	5.3 -----	1.8 -----	1.5 -----
KXB9319	0.6 --	1.8 ----	0.0 -	0.0 -
X85P703	1.8 -----	3.9 -----	0.4 ---	1.1 -----
ES Yakari	0.3 -	0.5 --	0.0 -	0.4 ---
Del18_1	1.6 -----	3.8 -----	0.4 ---	0.8 ----
LG 30222	0.5 --	1.1 ---	0.4 ---	0.0 -
-Bezugsgrösse(n)	1.8 -----	4.3 -----	0.6 ---	0.5 ---
Versuchs-Mittel	1.0 ---	2.1 ---	0.3 --	0.7 ----
VK [%]	102.6	80.0	206.8	144.0
KGD (5%)	1.1	3.6	ns	ns
KGD (1%)	1.4	ns	ns	ns
Versuchs-Streuung	1.1	1.7	0.7	1.0
FG Fehlerterm	75.0	15.0	30.0	30.0
Anz. Beob.	8.0	2.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	82.1	15	4.74 ***	1.80	0.0001
Anbauorte	77.3	2	33.52 ***	3.12	0.0000
WW Verf.*Anb.Orte	89.4	30	2.58 ***	1.61	0.0007
Fehler	86.5	75			
Insgesamt	335.3	122			

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
KWS Stabil	3.9 -----	3.9 -----
LG 31211	2.4 ----	2.4 ----
P8521	3.5 -----	3.5 -----
ES Crossman	2.9 -----	2.9 -----
P7515	2.7 ----	2.7 ----
DKC 2990	2.5 ----	2.5 ----
Anovi CS	2.6 ----	2.6 ----
KWS Gustavius	1.5 -	1.5 -
KWS Jaro	3.0 -----	3.0 -----
KXB9009	2.5 ----	2.5 ----
KXB9033	4.7 -----	4.7 -----
KXB9319	1.2 -	1.2 -
X85P703	1.7 --	1.7 --
ES Yakari	4.0 -----	4.0 -----
Del18_1	4.0 -----	4.0 -----
LG 30222	3.0 -----	3.0 -----
-Bezugsgrösse(n)	3.4 -----	3.4 -----
Versuchs-Mittel	2.9 ----	2.9 ----
VK [%]	25.9	25.9
KGD (5%)	1.3	1.3
KGD (1%)	1.7	1.7
Versuchs-Streuung	0.7	0.7
FG Fehlerterm	21.0	21.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
KWS Stabil	9.3 -----	8.9 -----	8.5 -----	9.2 -----	9.3 -----
LG 31211	9.4 -----	9.0 -----	8.2 -----	9.3 -----	9.5 -----
P8521	8.7 -	8.4 ---	7.7 --	8.9 -----	8.1 -
ES Crossman	8.8 --	8.3 ---	7.5 -	8.5 ---	9.1 -----
P7515	9.1 ----	8.7 ----	8.4 -----	9.3 -----	9.2 -----
DKC 2990	9.0 ----	8.7 ----	8.3 -----	8.5 ---	8.9 ----
Anovi CS	9.2 -----	9.2 -----	8.2 -----	9.0 ----	9.0 -----
KWS Gustavius	9.4 -----	9.3 -----	8.5 -----	9.4 -----	9.1 ----
KWS Jaro	9.5 -----	9.1 -----	8.4 -----	9.5 -----	9.5 -----
KXB9009	9.4 -----	9.5 -----	8.6 -----	9.7 -----	9.4 -----
KXB9033	9.2 -----	9.6 -----	8.3 -----	9.3 -----	9.1 ----
KXB9319	9.1 ----	8.6 ---	8.3 -----	8.6 ---	9.1 ----
X85P703	8.8 --	8.0 -	8.1 -----	8.0 -	9.3 -----
ES Yakari	9.3 -----	9.1 -----	8.5 -----	9.1 -----	9.1 -----
Del18_1	8.7 -	8.1 --	8.0 ----	8.1 -	8.6 ----
LG 30222	8.9 ----	9.0 -----	8.0 ----	9.1 -----	8.2 -
-Bezugsgrösse(n)	9.0 ----	8.6 ----	8.0 ----	8.8 ----	9.2 -----
Versuchs-Mittel	9.1 -----	8.8 -----	8.2 -----	9.0 -----	9.1 -----
VK [%]	4.9	5.3	3.6	5.3	4.0
KGD (5%)	0.3	ns	0.5	0.8	0.6
KGD (1%)	0.4	ns	0.7	1.1	0.8
Versuchs-Streuung	0.4	0.5	0.3	0.5	0.4
FG Fehlerterm	186.0	15.0	21.0	30.0	30.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	21.4	15	7.05 ***	1.72	0.0000
Anbauorte	77.6	6	63.93 ***	2.15	0.0000
WW Verf.*Anb.Orte	24.3	90	1.34 ns	1.34	
Fehler	37.6	186			
Insgesamt	160.9	297			

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

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	9.5 ---	9.5 -----	10.0 -----
LG 31211	9.7 ---	9.8 -----	10.2 -----
P8521	9.5 --	8.8 --	9.8 -----
ES Crossman	9.6 ----	8.7 --	9.7 -----
P7515	9.5 ---	8.6 -	9.8 -----
DKC 2990	9.3 -	9.2 ----	9.9 -----
Anovi CS	9.7 ----	9.8 -----	9.7 -----
KWS Gustavius	9.9 -----	10.0 -----	9.8 -----
KWS Jaro	10.2 -----	9.9 -----	9.7 ----
KXB9009	9.8 -----	9.5 -----	9.6 ----
KXB9033	9.8 -----	9.2 ----	9.4 -
KXB9319	9.8 -----	9.4 ----	9.8 -----
X85P703	9.8 -----	9.3 ----	9.4 -
ES Yakari	9.6 ----	10.1 -----	9.8 -----
Del18_1	9.4 --	8.9 ---	9.9 -----
LG 30222	9.4 --	8.9 ---	10.0 -----
-Bezugsgrösse(n)	9.6 ---	9.1 ----	9.9 -----
Versuchs-Mittel	9.7 ----	9.4 -----	9.8 -----
VK [%]	3.9	6.7	4.4
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.4	0.6	0.4
FG Fehlerterm	30.0	30.0	30.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	146.1	119.4	152.9	169.6	157.2
LG 31211	145.1	116.1	142.7	174.8	148.7
P8521	138.9	111.5	149.9	154.3	148.7
ES Crossman	151.7	127.5	153.2	172.9	157.5
P7515	147.5	125.3	142.1	166.2	162.5
DKC 2990	148.8	126.5	161.5	161.4	157.8
Anovi CS	134.0	121.9	140.3	152.1	123.9
KWS Gustavius	147.8	119.4	143.1	169.0	154.1
KWS Jaro	151.1	122.6	146.9	179.6	155.7
KXB9009	148.6	125.2	144.8	170.1	155.8
KXB9033	144.7	122.7	140.6	172.1	150.5
KXB9319	138.9	115.0	140.6	159.6	150.5
X85P703	155.5	123.6	157.8	170.7	170.2
ES Yakari	137.6	118.9	125.2	151.6	148.2
Del18_1	154.8	122.5	168.3	174.9	155.5
LG 30222	136.3	119.9	149.8	154.5	131.0
-Bezugsgrösse(n)	148.9	123.4	153.0	171.3	157.4
Versuchs-Mittel	145.5	121.1	147.5	165.8	151.7
VK [%]	6.3	4.6	7.7	5.4	6.6
KGD (5%)	6.1	ns	19.0	15.0	16.9
KGD (1%)	8.0	ns	ns	20.2	23.0
Versuchs-Streuung	9.2	5.6	11.4	9.0	10.0
FG Fehlerterm	153.0	30.0	30.0	30.0	21.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	11778.8	15	9.27 ***	1.73	0.0000
Anbauorte	102383.8	5	241.79 ***	2.28	0.0000
WW Verf.*Anb.Orte	12154.7	75	1.91 ***	1.38	0.0009
Fehler	12957.4	153			
Insgesamt	139274.7	248			

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

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	114.8	162.6
LG 31211	119.7	168.8
P8521	114.2	154.7
ES Crossman	126.9	172.0
P7515	122.2	167.1
DKC 2990	112.7	173.0
Anovi CS	112.8	153.0
KWS Gustavius	129.7	171.7
KWS Jaro	120.0	182.2
KXB9009	116.9	178.6
KXB9033	108.5	173.7
KXB9319	116.4	151.5
X85P703	142.2	168.3
ES Yakari	124.8	156.8
Del18_1	121.8	186.1
LG 30222	118.9	143.9
-Bezugsgrösse(n)	120.9	167.3
Versuchs-Mittel	120.2	166.5
VK [%]	8.8	4.6
KGD (5%)	ns	13.1
KGD (1%)	ns	17.9
Versuchs-Streuung	10.5	7.7
FG Fehlerterm	21.0	21.0
Anz. Beob.	3.0	3.0

Rendement relativ [%] / Relativertrag [%]

Verfahren	Seriemittel	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
KWS Stabil	98.0 -----	96.7 -----	99.9 -----	99.0 -----	100.6 -----
LG 31211	97.3 ----	94.1 ---	93.3 ----	102.1 -----	95.1 ----
P8521	93.4 ---	90.4 -	98.0 -----	90.1 --	95.2 ----
ES Crossman	102.1 -----	103.3 -----	100.1 -----	101.0 -----	100.8 -----
P7515	99.3 -----	101.5 -----	92.9 ----	97.0 -----	104.0 -----
DKC 2990	99.9 -----	102.5 -----	105.6 -----	94.2 ---	101.0 -----
Anovi CS	90.5 -	98.7 -----	91.7 ---	88.8 -	79.3 -
KWS Gustavius	99.5 -----	96.7 -----	93.5 ----	98.7 -----	98.6 -----
KWS Jaro	101.3 -----	99.3 -----	96.0 ----	104.9 -----	99.6 -----
KXB9009	99.7 -----	101.4 -----	94.6 ----	99.3 -----	99.7 -----
KXB9033	96.9 ----	99.4 -----	91.9 ---	100.5 -----	96.3 ----
KXB9319	93.5 ---	93.2 ---	91.9 ---	93.2 ---	96.3 ----
X85P703	104.9 -----	100.1 -----	103.1 -----	99.6 -----	108.9 -----
ES Yakari	93.0 --	96.3 ----	81.8 -	88.5 -	94.8 ----
Del18_1	103.7 -----	99.3 -----	110.0 -----	102.1 -----	99.5 -----
LG 30222	92.2 --	97.1 -----	97.9 -----	90.2 --	83.9 --
-Bezugsgrösse(n)	100.0 -----	100.0 -----	100.0 -----	100.0 -----	100.7 -----
Versuchs-Mittel	97.8 -----	98.1 -----	96.4 -----	96.8 -----	97.1 -----
VK [%]	6.4	4.6	7.7	5.4	6.6
KGD (5%)	4.1	ns	12.4	8.8	10.8
KGD (1%)	5.4	ns	ns	11.8	14.7
Versuchs-Streuung	6.3	4.5	7.5	5.3	6.4
FG Fehlerterm	153.0	30.0	30.0	30.0	21.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4995.2	15	8.49 ***	1.73	0.0000
Anbauorte	379.5	5	1.93 ns	2.28	0.0918
WW Verf.*Anb.Orte	5314.2	75	1.81 **	1.38	0.0011
Fehler	6003.4	153			
Insgesamt	16692.2	248			

Rendement relativ [%] / Relativertrag [%]

Verfahren	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	94.6 --	97.2 ----
LG 31211	98.6 ---	100.9 -----
P8521	94.1 --	92.4 ---
ES Crossman	104.6 -----	102.8 -----
P7515	100.6 -----	99.9 -----
DKC 2990	92.9 --	103.4 -----
Anovi CS	92.9 --	91.4 ---
KWS Gustavius	106.8 -----	102.6 -----
KWS Jaro	98.8 ----	108.9 -----
KXB9009	96.3 ---	106.7 -----
KXB9033	89.4 -	103.8 -----
KXB9319	95.9 ---	90.5 --
X85P703	117.2 -----	100.6 -----
ES Yakari	102.8 -----	93.7 ----
Del18_1	100.3 -----	111.3 -----
LG 30222	98.0 ----	86.0 -
-Bezugsgrösse(n)	99.6 ----	100.0 -----
Versuchs-Mittel	99.0 ----	99.5 -----
VK [%]	8.8	4.6
KGD (5%)	ns	7.8
KGD (1%)	ns	10.7
Versuchs-Streuung	8.7	4.6
FG Fehlerterm	21.0	21.0
Anz. Beob.	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten
KWS Stabil	77.3 -----	82.1 -----	74.0 -----	69.9 ----	75.4 -----
LG 31211	74.7 --	80.6 -----	69.9 --	70.5 -----	72.5 --
P8521	76.3 ----	83.2 -----	72.7 -----	69.3 ----	73.3 ----
ES Crossman	75.1 ---	80.1 ----	70.7 ---	71.3 -----	73.4 ----
P7515	75.1 ---	82.4 -----	72.6 -----	70.0 ----	71.4 -
DKC 2990	75.6 ----	80.1 ----	72.7 ----	69.7 ----	74.1 ----
Anovi CS	77.0 -----	81.7 -----	73.3 -----	71.4 -----	74.6 -----
KWS Gustavius	74.7 --	80.3 ----	71.2 ---	70.7 -----	71.3 -
KWS Jaro	74.5 -	77.8 -	72.1 ----	69.8 ----	73.0 ----
KXB9009	74.2 -	77.3 -	70.8 ---	70.1 ----	73.4 ----
KXB9033	78.6 -----	83.5 -----	75.3 -----	70.3 ----	77.2 -----
KXB9319	75.4 ---	81.1 -----	70.6 ---	68.3 -	74.0 ----
X85P703	74.5 -	81.9 -----	70.8 ---	71.2 -----	72.1 --
ES Yakari	76.4 -----	81.4 -----	72.4 -----	71.9 -----	74.1 ----
Del18_1	75.8 ----	80.2 ----	72.6 -----	71.0 -----	74.1 ----
LG 30222	74.2 -	80.8 -----	69.0 -	68.5 -	73.1 ----
-Bezugsgrösse(n)	76.2 ----	81.1 -----	72.4 ----	70.6 -----	74.4 ----
Versuchs-Mittel	75.6 ----	80.9 -----	71.9 ----	70.2 -----	73.6 ----
VK [%]	1.4	1.0	1.0	2.7	0.9
KGD (5%)	0.6	1.7	1.2	ns	1.1
KGD (1%)	0.8	2.3	1.6	ns	1.5
Versuchs-Streuung	1.0	0.8	0.7	1.9	0.7
FG Fehlerterm	186.0	15.0	30.0	30.0	30.0
Anz. Beob.	20.0	2.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	462.0	15	29.26 ***	1.72	0.0000
Anbauorte	7141.0	6	1130.68 ***	2.15	0.0000
WW Verf.*Anb.Orte	300.2	90	3.17 ***	1.34	0.0001
Fehler	195.8	186			
Insgesamt	8099.0	297			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
KWS Stabil	77.2 -----	87.2 -----	75.2 -----
LG 31211	73.8 ---	83.6 ----	72.1 ---
P8521	75.7 -----	86.6 -----	72.9 -----
ES Crossman	74.5 ----	83.6 ----	72.2 ---
P7515	74.0 ---	83.1 ---	72.5 ----
DKC 2990	76.1 -----	83.2 ---	73.4 -----
Anovi CS	77.7 -----	85.9 -----	74.6 -----
KWS Gustavius	74.5 ----	83.7 ----	71.5 --
KWS Jaro	74.7 ----	81.5 -	72.7 ----
KXB9009	72.7 -	82.1 -	72.8 ----
KXB9033	78.8 -----	88.7 -----	76.2 -----
KXB9319	75.0 ----	84.6 ----	74.4 -----
X85P703	72.5 -	82.2 --	70.7 -
ES Yakari	76.6 -----	84.6 ----	73.7 -----
Del18_1	75.3 ----	84.3 ----	72.7 ----
LG 30222	73.0 -	83.3 ---	71.6 --
-Bezugsgrösse(n)	75.8 ----	85.4 ----	73.7 ----
Versuchs-Mittel	75.1 ----	84.3 ----	73.1 ----
VK [%]	1.2	1.0	1.0
KGD (5%)	1.4	1.4	1.2
KGD (1%)	1.9	2.0	1.6
Versuchs-Streuung	0.9	0.8	0.7
FG Fehlerterm	30.0	21.0	30.0
Anz. Beob.	3.0	3.0	3.0

Humidité appareil laboratoire [% H₂O] / Feuchtigkeit Laborgerät [% H₂O]

Verfahren	Seriemittel	1567 Delley FR
KWS Stabil	26.0 ---	26.0 ---
LG 31211	30.1 -----	30.1 -----
P8521	27.3 -----	27.3 -----
ES Crossman	29.3 -----	29.3 -----
P7515	27.4 -----	27.4 -----
DKC 2990	27.3 -----	27.3 -----
Anovi CS	26.7 ----	26.7 ----
KWS Gustavius	28.8 -----	28.8 -----
KWS Jaro	27.9 -----	27.9 -----
KXB9009	29.2 -----	29.2 -----
KXB9033	24.7 -	24.7 -
KXB9319	29.4 -----	29.4 -----
X85P703	29.2 -----	29.2 -----
ES Yakari	27.6 -----	27.6 -----
Del18_1	27.4 -----	27.4 -----
LG 30222	31.0 -----	31.0 -----
-Bezugsgrösse(n)	27.7 ----	27.7 ----
Versuchs-Mittel	28.1 -----	28.1 -----
VK [%]	2.6	2.6
KGD (5%)	1.2	1.2
KGD (1%)	1.6	1.6
Versuchs-Streuung	0.7	0.7
FG Fehlerterm	30.0	30.0
Anz. Beob.	3.0	3.0

3.2 Serie mittelfrüh / Série mi-précoce

3.2.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2020	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	08.05.2020	19.10.2020
1725	Grangeneuve	654	22.05.2020	09.11.2020
1896	Vouvry	404	23.04.2020	02.11.2020 *
3065	Habstetten	680	20.05.2020	18.11.2020
8046	Reckenholz	440	19.05.2020	02.11.2020
8194	Hüntwangen	384	24.04.2020	21.10.2020
8566	Ellighausen	503	08.05.2020	11.11.2020

* Ertragsdaten nicht für Auswertung berücksichtigt / informations liée avec le rendement pas présent en compte pour les misent en valeur.

3.2.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
SY Talisman	SA1002	SC	Syngenta, CH	Syngenta, Dielsdorf	KM11/S	SM11/T
RGT Chromixx	RH13049	SC	R2n	Fenaco, Moudon	KM11/S	
Benedictio KWS	KXB4138	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/S	SM11/S
P8409	X85F825	SC	Pioneer	Pioneer, Versoix	KM11/S	
P8307	X85F816	SC	Pioneer	Pioneer, Versoix	KM11/S	
Dentrico KWS	KXB6324	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e3	
ES Katamaran	ESZ7107	SC	Euralis Saaten GmbH	Fenaco, Moudon / Hauenstein, Rafz	KM11/e2	SM11/e2
	RH18021	SC	RAGT 2n, F	Fenaco, Moudon	KM11/e2	
KWS Atrezzato	KXB8250	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	
	RH17057	SC	RAGT 2n, F	Fenaco, Moudon	KM11/e1	
RGT Exxon	RH18055	TC	RAGT 2n, F	Fenaco, Moudon	KM11/e1	SM11/e1
	ET3490	SC	Monsanto, USA	Monsanto, Morges	KM11/e1	
	KXB9370	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	SM11/e1
SY Vitamin	SA2058	SC	Syngenta, CH	Syngenta, Dielsdorf	KM11/e1	SM11/e1
Micheleen	LZM168/67	SC	Limagrain Europe	Fenaco, Moudon	KM11/e1	SM11/e1
	SM K0197	SC	von Moreau Saatzucht, D	Samen Steffen, Langenthal	KM11/1.	SM21/1.
	ET3491	SC	Monsanto, USA	Monsanto, Morges	KM11/e1	
SY Telias	SC1153	SC	Syngenta, CH	Syngenta, Dielsdorf	KM11/T	SM11/S
Figaro	KXB3329	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/T	SM21/S
Gottardo KWS	KXB1157	SC	KWS, Einbeck	KWS Suisse SA, Basel	FS	

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

Technische Versuchsanlagen / données techniques / technical information											
Standort / lieu / site:	Nyon (420 m ü.M.)	Vouvry (380 m ü.M.)	Grangeneuve (630 m ü.M.)	Habstetten (680 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hiltwangen (384 m ü.M.)	Eilighausen (503 m ü.M.)				
Bodenart / type de sol / soil type:	Limono sableux	Limono sableux (argile 22% MO 2,7% - pH 6,0)	Moyen	Sandiger Lehm, pH 6.4	Braunerde	Braunerde, tiefergründig, 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): 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:	15.07.+15.08. irrigation 35 mm; 27.07.+07.08. irrigation 466.6 mm; 30 mm; 1965-4°C 4reihig, mit 1.4m Weg (22.4m2 brutto), 10m2 netto	710 mm 466.6 2210.9 °C (station agrométéo Aglie)	406.4 mm (KM01; KM11) 1892.3 (KM01; KM11) (selon AgroMeteo, station Düdingen)	767.6 mm (Station: Zäziwil) 1604.8 °C (Station: Zäziwil)	468 mm 1750.8 °C	416.8 mm (Station Wil) 1900.3 °C (Station Wil)	500.4 mm 1734.4 °C				
Vorfrucht / précédent cultural / previous crop:	Luzerne	Blé automne / Winterweizen / winter wheat	Prairie / Kunstwiese / temporary grassland	Gerste / orge / barley	Winterweizen / Gründüngung UFA Lephä	Zuckerrüben	Sonnenblumen				
Bodenbearbeitung / travail du sol / soil cultivation:	18.01 labour / charrue; 23.03. herse à disque; 27.04. + 07.05. + 25.05. vibroculteur	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Pflug (04.05.20) und Kreiselegge (05.05.2020) / charrue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Pflug (22.01.2020), Kulturegge (24.03.2020), Kreiselegge (15.04.2020+ 18.05.2020)	Grubber / Kreiselegge	Herbstfurche und Kreiselegge				
Saat / date de semis / sowing date:	08.05.2020	23.04.2020	22.05.2020	20.05.2020	19.05.2020	24.04.2020	08.05.2020				
Ernte / date de récolte / harvest date:	19.10.2020	02.11.2020	09.11.2020	18.11.2020	02.11.2020	21.10.2020	11.11.2020				
Saattiefe / densité de semis / sowing density:	9.5 Körner / grains pro m2	9.5 Körner / grains pro m2	9.1 Körner / grains pro m2	9.1 Körner / grains pro m2	10.1 Körner / grains pro m2	10.1 Körner / grains pro m2	10.1 Körner / grains pro m2				
Vegetationsdauer / durée de végétation / growing period	164 Tage / jours / days	193 Tage / jours / days	171 Tage / jours / days	182 Tage / jours / days	167 Tage / jours / days	180 Tage / jours / days	187 Tage / jours / days				
Reihenabstand / interlignes / row distance:	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm	75 cm				

Standort / lieu / site:	Nyon (420 m ü.M.)	Vouvry (380 m ü.M.)	Grangeneuve (630 m ü.M.)	Habstetten (711 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	Eilighausen (503 m ü.M.)
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	25.06.2020 hacken zwischen den Reihen gekoppelt mit Düngung	-	-
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Gardo Gold 4 l/ha, Banvel 4S 0,5 l/ha, Elumis 1,3 l/ha (15.06.20)	22.05.2020: Elumis 1l/ha, Gardo Gold 3l/ha, 0,2l/ha Banvel	18.6.20: 1,5 l/ha Equip Power	03.06.2020: Elumis 1,3 l/ha, Spectrum 1,2 l/ha	01.07.2020: Aspect 2l/ha, Laudis 2l/ha, Banvel 4S 0,6l/ha	20.5.20 EquipPower 1,5l/ha; Banvel 0,4l/ha; Bacalon Aqua 1,0l/ha	27.5. Aspekt/Laudis/Banvel 4s
Grunddüngung / fumure de base / basic fertilisation:	18.03. 470 kg/ha Landor 0,20.30 : 94 kg/ha P205 141 kg/ha K20	14.04.2020: 450kg Landor 13,9.16 = 58 kg N/ha, 40 kg P/ha, 72 kg K/ha	Lisier: 38m3/ha; teneurs moyennes: Ntot 1,95 kg/m3, P205 1,25 kg/m3 (30.04.2020)	21.04.20: Kali 60 %: 200 kg/ha, Granuphos 17 %: 310 kg/ha = 53 kg P/ha, 120 kg K/ha	27.03.2020 Tripble Superphosphat 3,8dt/ha (174 kg P2O5/ha)	21.4.20 DAP = 29 kg N/ha, 74 kg P2O5/ha; 19,3.20 Kali = 120 kg K2O/ha	15 t Stapelmist (67,5 kg N/ha), Triple super 60 kg P/ha
N-Düngung / fumure N / N fertilisation:	08.05 Nitrate ammoniacque 27,5%: 185 kg/ha = 51 kg N/ha; 03.06. urée perée 46%: 130 kg/ha = 60 kg N/ha	400 kg/ha Entec 26% = 104 kg N/ha	07.05.20: Nitrate 24 %: 103 kg/ha = 25 kg N/ha; 16.06.20: urée 46 %: 197 kg N/ha = 91 kg N/ha	22.05.20: 40 kg N/ha (ammonitrate), 16.06.20: 82 kg N/ha (Harnstoff / Urée)	Harnstoff 50 kg N/ha (18.05.2020), Harnstoff 10 kg N/ha (25.06.2020)	21.4.20 Sulfamid 136N/ha	26.5.20: Ammonsalpeter 38 kg N/ha 13.6.20: Harnstoff 85 kg N/ha
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	95 kg N/ha (27.05.2020)	-	-
Ernte / Récolte / harvest:	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Moissonneuse-batteuse	Wintersteiger Delta Mährescher / moissonneuse-batteuse / direct combine harvesting	-	-	-

3.2.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager.		Wurzellager. Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
					Vegetation						
SY Telias	T	6.43	-0.40	-0.05			-1.55	-0.23	-0.16	-0.25	3.80
Dentrico KWS	e3	1.88	1.03	-0.24			-0.44	0.41	-0.22	0.06	2.48
SM K0197	1.	-0.69	1.98	0.24			-0.11	0.07	-0.10	-0.10	1.30
Benedictio KWS	S	0.56	-0.43	0.06			0.23	0.18	-0.16	0.09	0.53
Micheleen	e1	2.44	-1.53	0.01			-0.39	-0.28	-0.70	0.00	-0.44
RGT Chromixx	S	-0.56	0.43	-0.06			-0.23	-0.18	0.16	-0.09	-0.53
KWS Atrezzato	e2	5.70	-5.62	-0.25			0.01	0.17	-0.44	-0.14	-0.57
ET3490	e1	1.30	-1.67	-0.67			0.51	0.24	-0.25	-0.04	-0.57
P8409	S	0.36	2.19	-0.76			-1.99	-0.36	0.06	-0.47	-0.98
RGT Exxon	e1	2.85	-2.99	0.25			-0.69	-0.34	-0.01	-0.05	-0.99
ES Katamaran	e2	-3.89	3.00	-0.18			-0.21	-0.04	0.05	0.12	-1.15
Figaro KWS	T	0.26	-2.41	0.21			0.40	0.13	0.10	0.09	-1.22
SY Talisman	S	-1.26	1.84	0.25			-0.05	-0.66	-0.41	-1.42	-1.70
Gottardo KWS	FS	2.01	-2.59	-0.06			0.17	-0.41	-0.41	-0.50	-1.79
SY Vitamin	e1	3.61	-4.62	-0.10			-0.53	0.02	-0.17	-0.26	-2.03
RH18021	e2	1.25	-3.37	-0.13			-0.65	0.24	0.08	0.05	-2.53
ET3491	e1	-4.00	1.15	-0.80			0.40	0.35	0.12	-0.20	-2.97
RH17057	e1	-1.96	0.29	-0.45			-0.96	-0.03	-0.04	-0.37	-3.53
KXB9370	e1	7.24	-9.27	-0.07			0.39	-1.16	-1.36	-0.18	-4.41
P8307	S	-0.43	3.08	-0.23			-0.15	-7.91	-0.32	-1.07	-7.02
Bezugsgrößen		0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		17	20	20			8	8	20	8	
Anzahl Orte		6	7	7			3	3	7	3	
Gewichtung		1	2.5	0.25		0.25	0.75	0.75	0.25	0.25	

3.2.5 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 %
SY Talisman	3.5	72.2	72.4	259.3	114.6	44.1	1.9	3.7	14.6
RGT Chromixx	4.1	74.2	74.0	263.8	131.1	49.6	2.5	2.2	2.2
Benedictio KWS	3.9	73.8	74.1	266.4	129.8	48.7	1.1	1.1	0.4
P8409	5.5	74.9	75.1	245.1	126.3	51.4	8.0	2.8	5.7
P8307	4.5	75.2	75.2	254.3	127.6	50.2	2.2	26.2	11.3
Dentrico KWS	4.5	74.4	74.6	246.7	115.6	46.8	3.1	0.3	0.7
ES Katamaran	4.4	74.3	73.7	250.6	116.8	46.9	2.4	1.7	0.2
RH18021	4.3	74.0	73.8	265.1	130.3	49.0	3.8	0.9	0.9
KWS Atrezzato	4.5	74.6	75.0	260.7	121.9	46.7	1.7	1.1	2.6
RH17057	4.9	74.7	74.6	252.7	130.9	51.7	4.8	1.7	4.8
RGT Exxon	3.5	72.4	72.2	271.8	130.4	48.3	3.9	2.7	1.8
ET3490	5.3	75.6	76.0	250.0	121.8	48.7	0.2	0.9	1.7
KXB9370	4.1	73.8	73.7	274.7	113.6	41.3	0.5	5.2	3.0
SY Vitamin	4.2	73.0	72.8	255.6	112.8	44.3	3.4	1.6	3.7
Micheleen	4.0	73.4	73.7	289.7	122.6	42.3	3.0	2.5	1.3
SM K0197	3.5	73.6	73.5	270.0	124.7	46.2	2.1	1.4	2.3
ET3491	5.6	74.4	74.1	250.9	117.5	46.9	0.5	0.5	3.1
SY Telias	4.1	73.9	73.8	254.3	118.4	46.6	6.6	2.3	3.7
Figaro KWS	3.6	74.7	74.8	272.2	132.8	48.9	0.5	1.2	0.4
Gottardo KWS	4.1	72.2	72.3	258.6	112.7	43.6	1.2	2.9	6.0
Bezugsgrösse(n)	4.0	74.0	74.0	265.1	130.4	49.2	1.8	1.6	1.3
Versuchs-Mittel	4.3	74.0	74.0	260.6	122.6	47.1	2.7	3.2	3.5
VK [%]	14.3	1.1	1.0	4.0	7.2	6.7	147.1	161.4	93.8
KGD (5%)	0.4	0.5	0.5	6.8	5.8	2.1	3.9	5.0	3.3
KGD (1%)	0.5	0.7	0.7	8.9	7.6	2.7	5.2	6.7	4.3
Versuchs-Streuung	0.6	0.8	0.8	10.3	8.8	3.1	3.9	5.1	3.3
FG Fehlerterm	247.0	228.0	228.0	228.0	228.0	228.0	94.0	95.0	94.0
Anz. Beob.	20.0	18.0	18.0	18.0	18.0	18.0	8.0	8.0	8.0
Anz. Orte	7.0	6.0	6.0	6.0	6.0	6.0	3.0	3.0	3.0
Minimum	3.5	72.2	72.2	245.1	112.7	41.3	0.2	0.3	0.2
Maximum	5.6	75.6	76.0	289.7	132.8	51.7	8.0	26.2	14.6

Sorten Bezeichnung	Helmin. thosp. Note	Beulen- brand %	Mais- zünsler %	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
SY Talisman	3.3	2.4	1.6	9.0	146.2	99.0	76.1
RGT Chromixx	3.3	0.1	1.3	8.5	147.4	99.5	75.5
Benedictio KWS	2.8	1.4	1.3	8.9	149.4	100.5	75.2
P8409	3.5	0.5	1.0	8.9	149.0	101.0	76.2
P8307	3.4	2.0	0.9	8.9	147.7	100.2	76.6
Dentrico KWS	2.4	1.6	1.1	9.0	151.7	102.4	75.8
ES Katamaran	3.3	0.5	1.3	9.1	141.7	96.3	76.5
RH18021	3.1	0.4	1.6	8.7	150.6	102.0	74.0
KWS Atrezzato	2.5	2.5	2.2	9.1	158.3	107.2	73.1
RH17057	3.5	0.9	1.7	9.0	145.0	98.3	75.5
RGT Exxon	3.8	0.8	2.6	9.1	153.3	103.4	74.1
ET3490	2.9	1.7	1.0	8.8	150.7	101.9	74.7
KXB9370	2.7	6.2	2.4	9.0	160.9	108.4	71.6
SY Vitamin	2.8	1.4	0.6	8.8	154.7	103.9	73.5
Micheleen	3.0	3.5	0.7	8.9	152.6	102.8	74.7
SM K0197	3.7	1.1	2.0	9.0	147.2	99.1	76.1
ET3491	3.4	0.3	1.9	9.0	141.5	95.7	75.8
SY Telias	3.4	1.4	1.3	8.9	159.6	108.1	75.2
Figaro KWS	2.6	0.3	1.9	9.0	148.9	100.2	74.4
Gottardo KWS	2.8	2.4	2.5	8.9	151.9	102.7	74.3
Bezugsgrösse(n)	3.1	0.7	1.3	8.7	148.4	100.0	75.3
Versuchs-Mittel	3.1	1.6	1.5	8.9	150.4	101.6	74.9
VK [%]	20.8	129.6	106.7	4.5	6.1	6.6	1.1
KGD (5%)	0.5	1.3		0.3	6.2	4.5	0.5
KGD (1%)	0.7	1.7		0.3	8.2	5.9	0.7
Versuchs-Streuung	0.6	2.0	1.6	0.4	9.2	6.7	0.8
FG Fehlerterm	152.0	247.0	152.0	247.0	206.0	206.0	246.0
Anz. Beob.	12.0	20.0	12.0	20.0	17.0	17.0	20.0
Anz. Orte	4.0	7.0	4.0	7.0	6.0	6.0	7.0
Minimum	2.4	0.1	0.6	8.5	141.5	95.7	71.6
Maximum	3.8	6.2	2.6	9.1	160.9	108.4	76.6

3.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	3.5 -	3.7 --	4.3 --	3.3 -	4.3 ---
RGT Chromixx	4.1 ----	4.3 -----	4.0 -	4.3 -----	4.3 ---
Benedictio KWS	3.9 --	3.7 --	4.3 --	4.3 -----	4.0 ---
P8409	5.5 -----	5.3 -----	5.7 -----	5.0 -----	5.7 -----
P8307	4.5 ----	4.3 ----	5.0 ----	4.7 ----	4.3 ---
Dentrico KWS	4.5 ----	4.7 ----	4.7 ---	4.7 ----	4.3 ---
ES Katamaran	4.4 ----	4.7 ----	4.7 ---	4.3 ----	5.0 ----
RH18021	4.3 ----	4.3 ----	4.7 ---	4.3 ----	4.0 ---
KWS Atrezzato	4.5 ----	4.7 ----	5.0 ----	4.7 ----	5.0 ----
RH17057	4.9 -----	4.7 ----	4.7 ---	5.3 -----	5.3 ----
RGT Exxon	3.5 -	3.7 --	4.0 -	4.0 ---	3.7 --
ET3490	5.3 -----	5.3 -----	5.3 -----	5.0 -----	5.7 -----
KXB9370	4.1 ----	4.7 ----	4.3 --	4.0 ---	4.7 ----
SY Vitamin	4.2 ----	4.0 ---	4.0 -	3.7 --	4.7 ----
Micheleen	4.0 ---	3.7 --	4.3 --	3.3 -	3.7 --
SM K0197	3.5 -	3.7 --	4.0 -	4.0 ---	3.3 -
ET3491	5.6 -----	5.3 -----	6.0 -----	5.3 -----	6.0 -----
SY Telias	4.1 ---	4.3 ----	4.3 --	4.0 ----	4.0 ---
Figaro KWS	3.6 -	3.3 -	4.3 --	4.0 ----	4.7 ----
Gottardo KWS	4.1 ----	3.7 --	4.7 ----	3.7 --	4.0 ---
-Bezugsgrösse(n)	4.0 ---	4.0 ---	4.2 -	4.3 ----	4.2 ---
Versuchs-Mittel	4.3 ----	4.3 ----	4.6 ----	4.3 ----	4.5 ----
VK [%]	14.3	10.5	11.3	13.4	10.1
KGD (5%)	0.4	0.7	0.9	1.0	0.8
KGD (1%)	0.5	1.0	1.2	1.3	1.0
Versuchs-Streuung	0.6	0.5	0.5	0.6	0.5
FG Fehlerterm	247.0	38.0	38.0	38.0	38.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	150.9	19	21.03	***	1.63	0.0000
Anbauorte	28.7	6	12.65	***	2.14	0.0000
WW Verf.*Anb.Orte	53.0	114	1.23	ns	1.29	
Fehler	93.3	247				
Insgesamt	325.8	386				

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	2.7 -	3.5 --	2.7 -
RGT Chromixx	4.0 ----	4.5 -----	3.3 ---
Benedictio KWS	3.7 ----	4.5 -----	2.7 -
P8409	5.3 -----	6.0 -----	5.7 -----
P8307	3.7 ----	4.5 -----	4.7 -----
Dentrico KWS	4.3 -----	5.0 -----	3.7 ----
ES Katamaran	4.0 ----	3.5 --	4.3 -----
RH18021	3.7 ----	4.5 -----	4.3 -----
KWS Atrezzato	3.7 ----	4.5 -----	4.0 ----
RH17057	4.3 -----	5.0 -----	5.0 -----
RGT Exxon	3.0 --	3.5 --	2.7 -
ET3490	5.0 -----	6.0 -----	5.0 -----
KXB9370	4.0 ----	4.0 ----	3.3 ---
SY Vitamin	3.7 ----	5.0 -----	4.3 -----
Micheleen	4.3 -----	4.5 -----	4.0 ----
SM K0197	3.0 --	4.0 ----	2.7 -
ET3491	5.7 -----	5.5 -----	5.3 -----
SY Telias	3.3 ---	5.0 -----	3.7 ----
Figaro KWS	3.0 --	3.0 -	2.7 -
Gottardo KWS	4.7 -----	4.5 -----	3.7 ----
-Bezugsgrösse(n)	3.8 ----	4.5 -----	3.0 --
Versuchs-Mittel	4.0 ----	4.5 -----	3.9 ----
VK [%]	18.4	10.0	23.1
KGD (5%)	1.2	0.9	1.5
KGD (1%)	1.6	1.3	2.0
Versuchs-Streuung	0.7	0.5	0.9
FG Fehlerterm	38.0	19.0	38.0
Anz. Beob.	3.0	2.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	72.2 -	66.7 -	71.0 ----	83.0 -	69.3 -
RGT Chromixx	74.2 -----	69.3 -----	71.0 ----	84.3 -----	71.3 -----
Benedictio KWS	73.8 ----	69.3 -----	71.7 ----	84.3 -----	71.0 ----
P8409	74.9 -----	70.3 -----	72.7 -----	84.7 -----	72.3 -----
P8307	75.2 -----	71.7 -----	71.7 ----	85.0 -----	72.3 -----
Dentrico KWS	74.4 -----	69.3 -----	71.7 ----	84.7 -----	72.0 -----
ES Katamaran	74.3 -----	69.3 -----	72.3 -----	84.0 ----	71.3 -----
RH18021	74.0 ----	69.0 ----	71.3 ---	84.7 -----	72.0 -----
KWS Atrezzato	74.6 -----	70.7 -----	71.7 ----	85.3 -----	71.3 -----
RH17057	74.7 -----	69.7 -----	71.7 ----	85.0 -----	72.3 -----
RGT Exxon	72.4 -	67.3 --	69.7 -	83.3 --	69.7 --
ET3490	75.6 -----	71.7 -----	74.0 -----	85.3 -----	72.7 -----
KXB9370	73.8 ----	68.0 --	71.7 ----	84.0 ----	71.3 -----
SY Vitamin	73.0 ---	67.3 --	70.3 --	84.0 ----	70.0 ---
Micheleen	73.4 ----	69.0 ----	71.3 ----	83.7 ---	70.3 ----
SM K0197	73.6 ----	69.0 ----	72.0 -----	84.0 ----	70.7 ----
ET3491	74.4 -----	71.0 -----	71.3 ----	83.7 ---	72.3 -----
SY Telias	73.9 ----	69.0 ----	70.3 --	85.0 -----	71.3 -----
Figaro KWS	74.7 -----	71.0 -----	71.7 ----	85.0 -----	72.3 -----
Gottardo KWS	72.2 -	66.7 -	70.0 -	83.0 -	69.7 --
-Bezugsgrösse(n)	74.0 -----	69.3 -----	71.3 ----	84.3 -----	71.2 -----
Versuchs-Mittel	74.0 -----	69.3 -----	71.5 ----	84.3 -----	71.3 -----
VK [%]	1.1	1.4	1.3	0.9	1.0
KGD (5%)	0.5	1.6	1.6	1.2	1.2
KGD (1%)	0.7	2.1	2.1	1.6	1.5
Versuchs-Streuung	0.8	1.0	0.9	0.7	0.7
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	309.4	19	26.88 ***	1.63	0.0000
Anbauorte	11490.0	5	3793.96 ***	2.26	0.0000
WW Verf.*Anb.Orte	99.5	95	1.73 ns	1.32	
Fehler	138.1	228			
Insgesamt	12037.0	347			

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

Verfahren	8046		8566	
	Reckenholz ZH		Ellighausen TG	
SY Talisman	66.3	-	76.7	-
RGT Chromixx	70.0	-----	79.0	-----
Benedictio KWS	68.0	----	78.3	----
P8409	70.0	-----	79.7	-----
P8307	69.7	-----	81.0	-----
Dentrico KWS	69.3	-----	79.3	-----
ES Katamaran	69.7	-----	79.0	-----
RH18021	68.7	-----	78.3	----
KWS Atrezzato	68.7	-----	80.0	-----
RH17057	69.3	-----	80.3	-----
RGT Exxon	67.3	---	77.0	-
ET3490	70.0	-----	79.7	-----
KXB9370	69.3	-----	78.7	----
SY Vitamin	68.3	-----	78.0	----
Micheleen	68.3	-----	78.0	----
SM K0197	68.0	-----	78.0	----
ET3491	69.0	-----	79.0	-----
SY Telias	69.3	-----	78.7	----
Figaro KWS	69.3	-----	78.7	----
Gottardo KWS	67.3	---	76.7	-
-Bezugsgrösse(n)	69.0	-----	78.7	----
Versuchs-Mittel	68.8	-----	78.7	----
VK [%]	1.1		0.7	
KGD (5%)	1.2		0.9	
KGD (1%)	1.6		1.2	
Versuchs-Streuung	0.7		0.5	
FG Fehlerterm	38.0		38.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	72.4 -	66.7 -	70.0 ----	83.0 -	69.3 --
RGT Chromixx	74.0 ----	69.3 ----	70.7 ----	84.3 ----	70.0 ---
Benedictio KWS	74.1 ----	69.0 ----	71.7 ----	84.3 ----	71.3 ----
P8409	75.1 ----	70.7 ----	72.7 ----	85.0 ----	72.0 ----
P8307	75.2 ----	71.7 ----	71.7 ----	85.0 ----	71.3 ----
Dentrico KWS	74.6 ----	69.3 ----	71.7 ----	85.3 ----	71.7 ----
ES Katamaran	73.7 ----	69.0 ----	72.0 ----	84.0 ----	69.0 -
RH18021	73.8 ----	69.0 ----	70.7 ----	84.7 ----	70.3 ----
KWS Atrezzato	75.0 ----	70.7 ----	71.7 ----	85.3 ----	72.3 ----
RH17057	74.6 ----	69.7 ----	71.7 ----	85.3 ----	70.7 ----
RGT Exxon	72.2 -	67.0 -	68.3 -	83.3 --	69.0 -
ET3490	76.0 ----	71.7 ----	74.0 ----	86.0 ----	72.7 ----
KXB9370	73.7 ----	67.7 --	71.3 ----	84.0 ----	70.0 --
SY Vitamin	72.8 --	67.0 -	69.0 --	84.0 ----	69.7 --
Micheleen	73.7 ----	68.7 ----	71.0 ----	83.7 --	70.3 ----
SM K0197	73.5 ----	69.0 ----	71.0 ----	84.0 ----	70.0 --
ET3491	74.1 ----	70.3 ----	71.3 ----	83.7 --	71.0 ----
SY Telias	73.8 ----	69.0 ----	70.0 ----	84.7 ----	70.7 ----
Figaro KWS	74.8 ----	71.0 ----	71.7 ----	85.0 ----	71.7 ----
Gottardo KWS	72.3 -	66.7 -	69.7 --	83.0 -	69.3 --
-Bezugsgrösse(n)	74.0 ----	69.2 ----	71.2 ----	84.3 ----	70.7 ----
Versuchs-Mittel	74.0 ----	69.2 ----	71.1 ----	84.4 ----	70.6 ----
VK [%]	1.0	1.4	1.5	0.7	0.8
KGD (5%)	0.5	1.6	1.8	1.0	1.0
KGD (1%)	0.7	2.1	2.4	1.4	1.3
Versuchs-Streuung	0.8	0.9	1.1	0.6	0.6
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	356.1	19	33.05 ***	1.63	0.0000
Anbauorte	12250.1	5	4321.32 ***	2.26	0.0000
WW Verf.*Anb.Orte	92.3	95	1.71 ns	1.32	
Fehler	129.3	228			
Insgesamt	12827.7	347			

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

Verfahren	8046		8566	
	Reckenholz ZH		Ellighausen TG	
SY Talisman	67.3	-	78.0	--
RGT Chromixx	70.0	-----	79.7	-----
Benedictio KWS	68.7	-----	79.3	-----
P8409	70.0	-----	80.3	-----
P8307	70.7	-----	81.0	-----
Dentrico KWS	69.7	-----	80.0	-----
ES Katamaran	69.3	-----	79.0	-----
RH18021	69.0	-----	79.3	-----
KWS Atrezzato	69.3	-----	80.7	-----
RH17057	69.7	-----	80.7	-----
RGT Exxon	67.7	--	77.7	-
ET3490	70.7	-----	81.0	-----
KXB9370	69.7	-----	79.3	-----
SY Vitamin	68.3	---	79.0	-----
Micheleen	69.3	-----	79.0	-----
SM K0197	68.0	---	79.0	-----
ET3491	69.0	-----	79.3	-----
SY Telias	69.3	-----	79.3	-----
Figaro KWS	70.0	-----	79.3	-----
Gottardo KWS	67.7	--	77.7	-
-Bezugsgrösse(n)	69.3	-----	79.5	-----
Versuchs-Mittel	69.2	-----	79.4	-----
VK [%]	0.9		0.6	
KGD (5%)	1.1		0.8	
KGD (1%)	1.4		1.0	
Versuchs-Streuung	0.6		0.5	
FG Fehlerterm	38.0		38.0	
Anz. Beob.	3.0		3.0	

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	259.3 ---	201.7 ----	271.7 -----	253.3 ---	280.0 ---
RGT Chromixx	263.8 ----	196.7 ---	276.7 -----	265.0 -----	276.7 ---
Benedictio KWS	266.4 ----	201.7 ----	263.3 -----	265.0 -----	295.0 -----
P8409	245.1 -	185.0 --	235.0 -	243.3 -	268.3 --
P8307	254.3 ---	203.3 ----	246.7 ---	243.3 -	281.7 ---
Dentrico KWS	246.7 -	180.0 -	241.7 --	241.7 -	275.0 ---
ES Katamaran	250.6 --	186.7 --	260.0 ----	250.0 --	271.7 --
RH18021	265.1 ----	210.0 -----	260.0 ----	266.7 -----	280.0 ----
KWS Atrezzato	260.7 ---	196.7 ---	251.7 ---	258.3 ---	290.0 ----
RH17057	252.7 --	193.3 ---	260.0 ----	256.7 ---	260.0 -
RGT Exxon	271.8 -----	200.0 ----	285.0 -----	258.3 ---	291.7 -----
ET3490	250.0 --	188.3 --	256.7 ----	245.0 -	265.0 -
KXB9370	274.7 -----	210.0 -----	280.0 -----	268.3 -----	306.7 -----
SY Vitamin	255.6 ---	185.0 --	270.0 -----	253.3 ---	273.3 ---
Micheleen	289.7 -----	226.7 -----	290.0 -----	286.7 -----	323.3 -----
SM K0197	270.0 -----	206.7 ----	286.7 -----	270.0 -----	293.3 -----
ET3491	250.9 --	195.0 ---	245.0 --	246.7 --	273.3 ---
SY Telias	254.3 ---	196.7 ---	263.3 -----	241.7 -	278.3 ---
Figaro KWS	272.2 -----	203.3 ----	261.7 ----	263.3 ----	305.0 -----
Gottardo KWS	258.6 ---	208.3 ----	258.3 ----	251.7 ---	290.0 ----
-Bezugsgrösse(n)	265.1 ----	199.2 ----	270.0 -----	265.0 -----	285.8 ----
Versuchs-Mittel	260.6 ---	198.8 ----	263.2 ----	256.4 ---	283.9 ---
VK [%]	4.0	6.8	3.9	3.7	3.0
KGD (5%)	6.8	22.4	16.8	15.9	14.0
KGD (1%)	8.9	ns	22.5	21.2	18.8
Versuchs-Streuung	10.3	13.6	10.2	9.6	8.5
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	42680.6	19	21.07 ***	1.63	0.0000
Anbauorte	316409.8	5	593.68 ***	2.26	0.0000
WW Verf.*Anb.Orte	14194.4	95	1.40 ns	1.32	
Fehler	24303.1	228			
Insgesamt	397588.0	347			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
SY Talisman	268.0 --	281.0 ---
RGT Chromixx	277.0 ----	290.7 ----
Benedictio KWS	280.3 ----	293.3 ----
P8409	262.7 -	276.3 --
P8307	266.0 -	284.7 ----
Dentrico KWS	267.0 --	274.7 --
ES Katamaran	265.7 -	269.7 -
RH18021	278.0 ----	295.7 ----
KWS Atrezzato	278.3 ----	289.0 ----
RH17057	269.3 --	276.7 --
RGT Exxon	293.0 ----	302.7 ----
ET3490	268.0 --	277.0 --
KXB9370	289.0 ----	294.3 ----
SY Vitamin	265.7 -	286.3 ----
Micheleen	299.0 ----	312.7 ----
SM K0197	274.0 --	289.3 ----
ET3491	263.0 -	282.7 ----
SY Telias	264.7 -	281.3 ---
Figaro KWS	302.7 ----	297.0 ----
Gottardo KWS	265.3 -	277.7 --
-Bezugsgrösse(n)	278.7 ----	292.0 ----
Versuchs-Mittel	274.8 ----	286.6 ----
VK [%]	3.8	3.1
KGD (5%)	17.4	14.6
KGD (1%)	23.3	19.5
Versuchs-Streuung	10.5	8.8
FG Fehlerterm	38.0	38.0
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
SY Talisman	114.6 --	88.3 ---	115.0 --	111.7 ----	121.7 -----
RGT Chromixx	131.1 -----	98.3 -----	131.7 -----	133.3 -----	130.0 -----
Benedictio KWS	129.8 -----	95.0 -----	133.3 -----	135.0 -----	133.3 -----
P8409	126.3 -----	90.0 ----	121.7 ----	123.3 -----	138.3 -----
P8307	127.6 -----	98.3 -----	136.7 -----	121.7 -----	131.7 -----
Dentrico KWS	115.6 --	83.3 -	110.0 -	118.3 -----	126.7 -----
ES Katamaran	116.8 ---	98.3 -----	115.0 --	118.3 -----	113.3 ---
RH18021	130.3 -----	95.0 -----	131.7 -----	131.7 -----	135.0 -----
KWS Atrezzato	121.9 ----	85.0 -	125.0 ----	115.0 ----	133.3 -----
RH17057	130.9 -----	98.3 -----	133.3 -----	126.7 -----	131.7 -----
RGT Exxon	130.4 -----	105.0 -----	133.3 -----	126.7 -----	136.7 -----
ET3490	121.8 ----	90.0 ----	120.0 ----	121.7 -----	126.7 -----
KXB9370	113.6 -	83.3 -	118.3 ----	113.3 ----	121.7 ----
SY Vitamin	112.8 -	85.0 -	123.3 ----	121.7 -----	105.0 -
Micheleen	122.6 -----	96.7 -----	126.7 -----	111.7 ----	140.0 -----
SM K0197	124.7 -----	96.7 -----	128.3 -----	130.0 -----	125.0 -----
ET3491	117.5 ---	93.3 ----	120.0 ----	115.0 ----	115.0 ---
SY Telias	118.4 ---	90.0 ----	118.3 ----	120.0 ----	128.3 -----
Figaro KWS	132.8 -----	96.7 -----	130.0 -----	135.0 -----	141.7 -----
Gottardo KWS	112.7 -	95.0 -----	118.3 ----	100.0 -	126.7 -----
-Bezugsgrösse(n)	130.4 -----	96.7 -----	132.5 -----	134.2 -----	131.7 -----
Versuchs-Mittel	122.6 -----	93.1 ----	124.5 -----	121.5 -----	128.1 -----
VK [%]	7.2	10.0	7.2	6.9	5.1
KGD (5%)	5.8	ns	14.9	13.9	10.8
KGD (1%)	7.6	ns	ns	18.7	14.4
Versuchs-Streuung	8.8	9.3	9.0	8.4	6.5
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	16676.4	19	11.39 ***	1.63	0.0000
Anbauorte	73051.6	5	189.67 ***	2.26	0.0000
WW Verf.*Anb.Orte	11079.1	95	1.51 ns	1.32	
Fehler	17563.3	228			
Insgesamt	118370.4	347			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
SY Talisman	119.7 --	131.0 ----
RGT Chromixx	131.3 -----	161.7 -----
Benedictio KWS	140.0 -----	142.3 -----
P8409	133.7 -----	150.7 -----
P8307	127.0 -----	150.3 -----
Dentrico KWS	126.3 -----	129.0 ----
ES Katamaran	128.0 -----	127.7 ----
RH18021	139.7 -----	149.0 -----
KWS Atrezzato	130.7 -----	142.7 -----
RH17057	135.3 -----	160.0 -----
RGT Exxon	136.7 -----	144.0 -----
ET3490	133.0 -----	139.7 -----
KXB9370	131.7 -----	113.0 -
SY Vitamin	120.7 ---	121.3 --
Micheleen	126.3 -----	134.3 -----
SM K0197	131.7 -----	136.3 -----
ET3491	128.3 -----	133.3 -----
SY Telias	123.0 ---	130.7 ----
Figaro KWS	136.3 -----	157.0 -----
Gottardo KWS	115.7 -	120.7 --
-Bezugsgrösse(n)	135.7 -----	152.0 -----
Versuchs-Mittel	129.8 -----	138.7 -----
VK [%]	5.8	8.1
KGD (5%)	12.4	18.5
KGD (1%)	ns	24.8
Versuchs-Streuung	7.5	11.2
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	44.1 ---	43.7 ----	42.3 -	44.1 ----	43.4 ----
RGT Chromixx	49.6 -----	49.8 -----	47.5 -----	50.4 -----	47.0 -----
Benedictio KWS	48.7 -----	47.1 -----	50.7 -----	50.9 -----	45.2 -----
P8409	51.4 -----	48.8 -----	51.8 -----	50.7 -----	51.7 -----
P8307	50.2 -----	48.4 -----	55.5 -----	50.0 -----	46.8 -----
Dentrico KWS	46.8 -----	46.3 -----	45.3 ---	49.0 -----	46.0 -----
ES Katamaran	46.9 -----	52.8 -----	44.3 --	47.4 -----	41.7 ---
RH18021	49.0 -----	45.2 ----	50.6 -----	49.3 -----	48.2 -----
KWS Atrezzato	46.7 -----	43.3 ---	49.7 -----	44.5 ----	46.0 ----
RH17057	51.7 -----	50.9 -----	51.4 -----	49.3 -----	50.6 -----
RGT Exxon	48.3 -----	52.6 -----	46.9 ----	49.2 -----	46.9 -----
ET3490	48.7 -----	48.0 -----	46.8 ----	49.7 -----	47.8 -----
KXB9370	41.3 -	39.7 -	42.3 -	42.3 ---	39.8 --
SY Vitamin	44.3 ---	45.8 ----	45.8 ---	48.0 -----	38.4 -
Micheleen	42.3 --	42.7 ---	43.7 --	39.0 -	43.3 ----
SM K0197	46.2 -----	46.7 -----	44.8 ---	48.1 -----	42.6 ----
ET3491	46.9 -----	47.8 -----	49.1 -----	46.6 -----	42.1 ---
SY Telias	46.6 -----	45.8 ----	45.1 ---	49.6 -----	46.1 -----
Figaro KWS	48.9 -----	47.6 -----	50.0 -----	51.3 -----	46.5 -----
Gottardo KWS	43.6 ---	45.3 ----	45.7 ---	39.7 -	43.7 ----
-Bezugsgrösse(n)	49.2 -----	48.4 -----	49.1 -----	50.6 -----	46.1 -----
Versuchs-Mittel	47.1 -----	46.9 -----	47.5 -----	47.5 -----	45.2 -----
VK [%]	6.7	8.7	6.4	6.2	4.8
KGD (5%)	2.1	6.8	5.0	4.8	3.6
KGD (1%)	2.7	ns	6.7	6.5	4.8
Versuchs-Streuung	3.1	4.1	3.0	2.9	2.2
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2798.0	19	14.85 ***	1.63	0.0000
Anbauorte	347.3	5	7.00 ***	2.26	0.0001
WW Verf.*Anb.Orte	1516.2	95	1.61 ns	1.32	
Fehler	2261.6	228			
Insgesamt	6923.2	347			

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

Verfahren	8046 Reckenholz ZH	8566 Ellighausen TG
SY Talisman	44.7 ---	46.6 ----
RGT Chromixx	47.4 -----	55.7 -----
Benedictio KWS	50.1 -----	48.4 -----
P8409	50.9 -----	54.6 -----
P8307	47.7 -----	52.9 -----
Dentrico KWS	47.3 -----	46.9 -----
ES Katamaran	48.2 -----	47.3 -----
RH18021	50.2 -----	50.4 -----
KWS Atrezzato	47.0 -----	49.4 -----
RH17057	50.3 -----	57.8 -----
RGT Exxon	46.6 -----	47.5 -----
ET3490	49.6 -----	50.5 -----
KXB9370	45.6 ---	38.4 -
SY Vitamin	45.5 ---	42.4 ---
Micheleen	42.3 -	43.0 ---
SM K0197	48.1 -----	47.1 -----
ET3491	48.7 -----	47.2 -----
SY Telias	46.5 -----	46.5 -----
Figaro KWS	45.0 ---	52.8 -----
Gottardo KWS	43.6 --	43.5 ---
-Bezugsgrösse(n)	48.7 -----	52.0 -----
Versuchs-Mittel	47.3 -----	48.4 -----
VK [%]	5.2	7.8
KGD (5%)	4.1	6.2
KGD (1%)	5.5	8.3
Versuchs-Streuung	2.5	3.8
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	1.9 ---	0.0 -	0.0 -	5.8 ---
RGT Chromixx	2.5 ----	2.0 ----	0.0 -	5.5 ---
Benedictio KWS	1.1 --	0.5 --	0.0 -	2.7 --
P8409	8.0 -----	0.5 --	3.2 -----	20.2 -----
P8307	2.2 ---	2.6 ----	0.8 ---	3.3 --
Dentrico KWS	3.1 ----	0.5 --	0.0 -	8.9 ----
ES Katamaran	2.4 ---	1.0 ---	0.0 -	6.3 ----
RH18021	3.8 ----	4.4 -----	0.0 -	6.9 ---
KWS Atrezzato	1.7 ---	0.0 -	0.0 -	5.2 ---
RH17057	4.8 ----	1.6 ----	3.2 -----	9.5 ----
RGT Exxon	3.9 ----	4.2 -----	0.0 -	7.6 ----
ET3490	0.2 -	0.5 --	0.0 -	0.0 -
KXB9370	0.5 -	0.5 --	0.0 -	1.1 -
SY Vitamin	3.4 ----	2.1 ----	0.0 -	8.2 ----
Micheleen	3.0 ----	2.3 ----	4.0 -----	2.7 --
SM K0197	2.1 ---	1.5 ----	0.0 -	4.8 ---
ET3491	0.5 -	1.1 ---	0.0 -	0.5 -
SY Telias	6.6 -----	0.5 --	0.9 ---	18.4 -----
Figaro KWS	0.5 -	0.0 -	0.0 -	1.6 -
Gottardo KWS	1.2 --	0.5 --	0.0 -	3.2 --
-Bezugsgrösse(n)	1.8 ---	1.2 ---	0.0 -	4.1 ---
Versuchs-Mittel	2.7 ----	1.3 ----	0.6 --	6.1 ----
VK [%]	147.1	176.5	282.9	88.2
KGD (5%)	3.9	ns	ns	9.4
KGD (1%)	5.2	ns	ns	12.6
Versuchs-Streuung	3.9	2.3	1.7	5.7
FG Fehlerterm	94.0	38.0	19.0	37.0
Anz. Beob.	8.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	624.4	19	2.12 **	1.70	0.0096
Anbauorte	959.1	2	30.86 ***	3.09	0.0000
WW Verf.*Anb.Orte	957.5	38	1.62 *	1.53	0.0311
Fehler	1460.5	94			
Insgesamt	4001.4	153			

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

Verfahren	Seriemittel	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	3.7 --	1.6 ---	5.7 -----	3.7 -
RGT Chromixx	2.2 -	4.3 -----	0.0 -	2.3 -
Benedictio KWS	1.1 -	2.1 ----	0.0 -	1.1 -
P8409	2.8 --	0.0 -	2.4 ----	5.8 -
P8307	26.2 -----	5.8 -----	5.7 -----	67.2 -----
Dentrico KWS	0.3 -	1.0 --	0.0 -	0.0 -
ES Katamaran	1.7 -	1.6 ---	0.0 -	3.6 -
RH18021	0.9 -	1.6 ---	0.0 -	1.0 -
KWS Atrezzato	1.1 -	1.5 ---	0.8 --	1.0 -
RH17057	1.7 -	0.5 -	0.0 -	4.7 -
RGT Exxon	2.7 --	1.1 --	2.4 ----	4.7 -
ET3490	0.9 -	0.0 -	0.0 -	2.7 -
KXB9370	5.2 --	3.1 -----	1.6 ---	11.1 --
SY Vitamin	1.6 -	0.0 -	0.8 --	3.8 -
Micheleen	2.5 -	5.6 -----	0.8 --	1.1 -
SM K0197	1.4 -	1.5 ---	1.6 ---	1.0 -
ET3491	0.5 -	1.1 --	0.0 -	0.5 -
SY Telias	2.3 -	1.6 ---	1.7 ----	3.7 -
Figaro KWS	1.2 -	3.2 -----	0.0 -	0.5 -
Gottardo KWS	2.9 --	3.5 -----	2.5 ----	2.7 -
-Bezugsgrösse(n)	1.6 -	3.2 -----	0.0 -	1.7 -
Versuchs-Mittel	3.2 --	2.0 ----	1.3 ---	6.1 --
VK [%]	161.4	104.0	107.9	125.8
KGD (5%)	5.0	3.5	2.9	12.7
KGD (1%)	6.7	ns	4.0	17.0
Versuchs-Streuung	5.1	2.1	1.4	7.7
FG Fehlerterm	95.0	38.0	19.0	38.0
Anz. Beob.	8.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	4695.8	19	9.56 ***	1.70	0.0000
Anbauorte	716.1	2	13.86 ***	3.09	0.0000
WW Verf.*Anb.Orte	6412.8	38	6.53 ***	1.53	0.0000
Fehler	2455.0	95			
Insgesamt	14279.7	154			

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	14.6 -----	20.1 -----	12.9 -----	10.7 -----
RGT Chromixx	2.2 --	4.9 ---	1.7 --	0.0 -
Benedictio KWS	0.4 -	0.5 -	0.8 -	0.0 -
P8409	5.7 ---	7.2 ---	8.9 -----	1.1 --
P8307	11.3 -----	17.4 -----	10.7 -----	5.7 -----
Dentrico KWS	0.7 -	0.5 -	1.6 --	0.0 -
ES Katamaran	0.2 -	0.5 -	0.0 -	0.0 -
RH18021	0.9 -	2.2 --	0.0 -	0.5 -
KWS Atrezzato	2.6 --	2.1 --	5.8 -----	0.0 -
RH17057	4.8 -----	12.3 -----	0.0 -	2.0 ---
RGT Exxon	1.8 --	2.1 --	0.8 -	2.6 ---
ET3490	1.7 --	2.1 --	0.8 -	2.1 ---
KXB9370	3.0 ---	6.7 -----	0.0 -	2.2 ---
SY Vitamin	3.7 ---	5.3 ---	5.9 -----	0.0 -
Micheleen	1.3 -	1.1 -	2.4 --	0.5 -
SM K0197	2.3 --	5.7 ---	0.0 -	1.1 --
ET3491	3.1 ---	2.1 --	1.6 --	5.7 -----
SY Telias	3.7 ---	3.5 --	1.7 --	5.8 -----
Figaro KWS	0.4 -	0.0 -	0.8 -	0.5 -
Gottardo KWS	6.0 -----	5.9 -----	6.7 -----	5.4 -----
-Bezugsgrösse(n)	1.3 -	2.7 --	1.2 --	0.0 -
Versuchs-Mittel	3.5 ---	5.1 ---	3.2 ---	2.3 ---
VK [%]	93.8	67.0	147.2	95.8
KGD (5%)	3.3	5.7	ns	3.6
KGD (1%)	4.3	7.6	ns	4.8
Versuchs-Streuung	3.3	3.4	4.6	2.2
FG Fehlerterm	94.0	38.0	19.0	37.0
Anz. Beob.	8.0	3.0	2.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2040.0	19	9.82 ***	1.70	0.0000
Anbauorte	221.6	2	10.13 ***	3.09	0.0002
WW Verf.*Anb.Orte	739.8	38	1.78 *	1.53	0.0130
Fehler	1027.9	94			
Insgesamt	4029.3	153			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1898 Vouvry	3065 Habstetten
SY Talisman	3.3 -----	3.3 -----	3.3 ----	3.3 -----	3.3 -----
RGT Chromixx	3.3 -----	2.0 -	4.0 -----	4.3 -----	3.0 -----
Benedictio KWS	2.8 ----	2.3 ---	4.0 -----	2.0 -	3.0 -----
P8409	3.5 -----	3.7 -----	4.0 -----	3.0 ----	3.3 -----
P8307	3.4 -----	2.7 ----	4.0 -----	3.7 -----	3.3 -----
Dentrico KWS	2.4 -	2.3 ---	3.3 ----	2.0 -	2.0 -
ES Katamaran	3.3 -----	2.7 ----	3.7 -----	4.7 -----	2.3 --
RH18021	3.1 ----	2.0 -	3.7 -----	4.3 -----	2.3 --
KWS Atrezzato	2.5 -	2.3 ---	3.3 ----	2.3 --	2.0 -
RH17057	3.5 -----	2.0 -	4.0 -----	4.3 -----	3.7 -----
RGT Exxon	3.8 -----	3.3 -----	4.0 -----	4.3 -----	3.7 -----
ET3490	2.9 ----	2.7 ----	3.7 -----	2.3 --	3.0 -----
KXB9370	2.7 --	2.0 -	3.0 -	3.7 -----	2.0 -
SY Vitamin	2.8 ----	3.3 -----	3.7 -----	2.0 -	2.3 --
Micheleen	3.0 ----	2.3 ---	4.0 -----	2.3 --	3.3 -----
SM K0197	3.7 -----	2.7 ----	4.0 -----	4.0 -----	4.0 -----
ET3491	3.4 -----	3.0 -----	4.0 -----	3.0 ----	3.7 -----
SY Telias	3.4 -----	2.3 ---	3.7 -----	4.7 -----	3.0 -----
Figaro KWS	2.6 --	2.0 -	3.0 -	3.0 ----	2.3 --
Gottardo KWS	2.8 ----	2.3 ---	4.0 -----	2.7 ---	2.3 --
-Bezugsgrösse(n)	3.1 ----	2.2 --	4.0 -----	3.2 ----	3.0 -----
Versuchs-Mittel	3.1 ----	2.6 ----	3.7 -----	3.3 ----	2.9 ----
VK [%]	20.8	22.2	9.9	31.0	14.6
KGD (5%)	0.5	0.9	0.6	1.7	0.7
KGD (1%)	0.7	1.3	0.8	2.3	0.9
Versuchs-Streuung	0.6	0.6	0.4	1.0	0.4
FG Fehlerterm	152.0	38.0	38.0	38.0	38.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	38.1	19	4.75 ***	1.66	0.0000
Anbauorte	44.6	3	35.26 ***	2.66	0.0000
WW Verf.*Anb.Orte	59.5	57	2.48 ***	1.41	0.0003
Fehler	64.1	152			
Insgesamt	206.2	231			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	2.4 ----	7.1 -----	1.1 --	0.0 -	4.1 -----
RGT Chromixx	0.1 -	0.0 -	0.0 -	0.4 -----	0.4 -
Benedictio KWS	1.4 ---	7.0 -----	0.0 -	0.0 -	2.6 ----
P8409	0.5 -	2.3 --	0.0 -	0.0 -	1.1 ---
P8307	2.0 ----	4.6 ----	1.3 --	0.7 -----	2.9 -----
Dentrico KWS	1.6 ---	4.4 ----	4.6 -----	0.4 -----	1.4 ---
ES Katamaran	0.5 -	3.4 ---	0.4 -	0.0 -	0.0 -
RH18021	0.4 -	1.2 -	0.4 -	0.0 -	0.8 --
KWS Atrezzato	2.5 ----	6.3 -----	0.4 -	0.8 -----	5.8 -----
RH17057	0.9 --	1.2 -	0.7 -	0.7 -----	2.7 -----
RGT Exxon	0.8 --	1.2 -	0.3 -	0.0 -	1.8 ----
ET3490	1.7 ---	4.6 ----	1.2 --	0.7 -----	0.8 --
KXB9370	6.2 -----	14.2 -----	11.0 -----	0.4 -----	4.8 -----
SY Vitamin	1.4 ---	4.3 ----	0.8 -	0.0 -	3.2 -----
Micheleen	3.5 -----	12.9 -----	1.5 --	0.3 -----	4.9 -----
SM K0197	1.1 --	3.3 ---	0.7 -	0.0 -	1.2 ---
ET3491	0.3 -	0.8 -	1.1 --	0.0 -	0.0 -
SY Telias	1.4 ---	3.3 ---	0.3 -	0.0 -	1.1 ---
Figaro KWS	0.3 -	1.9 --	0.4 -	0.0 -	0.0 -
Gottardo KWS	2.4 ----	7.4 -----	0.0 -	0.0 -	5.0 -----
-Bezugsgrösse(n)	0.7 --	3.5 ---	0.0 -	0.2 ---	1.5 ---
Versuchs-Mittel	1.6 ---	4.6 ----	1.3 --	0.2 ----	2.2 ----
VK [%]	129.6	81.6	163.9	293.1	80.8
KGD (5%)	1.3	6.2	3.6	ns	3.0
KGD (1%)	1.7	8.3	4.8	ns	4.0
Versuchs-Streuung	2.0	3.7	2.2	0.7	1.8
FG Fehlerterm	247.0	38.0	38.0	38.0	38.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	757.4	19	9.60 ***	1.63	0.0000
Anbauorte	757.2	6	30.40 ***	2.14	0.0000
WW Verf.*Anb.Orte	924.9	114	1.95 ***	1.29	0.0006
Fehler	1025.2	247			
Insgesamt	3464.6	386			

Charbon [%] / Beulenbrand [%]

Verfahren	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	1.6 -----	1.6 -----	1.1 --
RGT Chromixx	0.0 -	0.0 -	0.0 -
Benedictio KWS	0.0 -	0.0 -	0.0 -
P8409	0.0 -	0.0 -	0.0 -
P8307	1.6 -----	2.5 -----	0.5 -
Dentrico KWS	0.0 -	0.0 -	0.5 -
ES Katamaran	0.0 -	0.0 -	0.0 -
RH18021	0.0 -	0.0 -	0.6 -
KWS Atrezzato	2.6 -----	0.0 -	1.6 --
RH17057	0.0 -	0.0 -	1.1 --
RGT Exxon	0.0 -	0.0 -	2.0 ---
ET3490	0.0 -	2.6 -----	2.1 ---
KXB9370	2.6 -----	0.8 ---	9.6 -----
SY Vitamin	0.0 -	0.0 -	1.6 --
Micheleen	0.0 -	0.8 ---	4.2 -----
SM K0197	1.0 ----	0.0 -	1.6 --
ET3491	0.0 -	0.0 -	0.0 -
SY Telias	0.0 -	3.3 -----	1.6 --
Figaro KWS	0.0 -	0.0 -	0.0 -
Gottardo KWS	0.0 -	2.6 -----	1.6 --
-Bezugsgrösse(n)	0.0 -	0.0 -	0.0 -
Versuchs-Mittel	0.5 --	0.7 ---	1.5 --
VK [%]	201.5	199.9	113.3
KGD (5%)	1.6	ns	2.8
KGD (1%)	2.1	ns	3.7
Versuchs-Streuung	1.0	1.4	1.7
FG Fehlerterm	38.0	19.0	38.0
Anz. Beob.	3.0	2.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	1.6 -----	3.0 -----	0.8 -----	2.6 ----	0.0 -
RGT Chromixx	1.3 ----	2.0 ----	0.0 -	3.1 ----	0.0 -
Benedictio KWS	1.3 ----	0.7 --	0.0 -	4.2 -----	0.4 --
P8409	1.0 --	1.2 ---	0.0 -	2.2 ---	0.4 --
P8307	0.9 --	1.9 ----	0.0 -	1.5 -	0.3 --
Dentrico KWS	1.1 ---	2.6 -----	0.4 ----	1.2 -	0.4 --
ES Katamaran	1.3 ----	2.0 ----	0.0 -	2.2 ---	1.1 ----
RH18021	1.6 ----	2.0 ----	0.0 -	3.5 ----	0.8 ---
KWS Atrezzato	2.2 -----	2.7 -----	0.0 -	3.5 -----	2.5 -----
RH17057	1.7 -----	0.8 --	0.4 ----	3.6 -----	1.9 -----
RGT Exxon	2.6 -----	1.9 ----	0.8 -----	4.7 -----	2.9 -----
ET3490	1.0 --	1.2 ---	0.0 -	1.8 --	0.8 ---
KXB9370	2.4 -----	3.8 -----	0.0 -	4.9 -----	0.7 ---
SY Vitamin	0.6 -	0.4 -	0.4 ----	1.6 -	0.0 -
Micheleen	0.7 -	0.9 --	0.0 -	1.7 --	0.0 -
SM K0197	2.0 -----	2.6 -----	0.0 -	4.6 -----	0.8 ---
ET3491	1.9 -----	3.5 -----	0.7 -----	3.1 ----	0.4 --
SY Telias	1.3 ----	0.4 -	0.0 -	3.0 ---	1.9 -----
Figaro KWS	1.9 -----	1.5 ---	0.0 -	5.5 -----	0.7 ---
Gottardo KWS	2.5 -----	3.1 -----	0.0 -	5.9 -----	1.1 ----
-Bezugsgrösse(n)	1.3 ----	1.4 ----	0.0 -	3.7 -----	0.2 -
Versuchs-Mittel	1.5 ----	1.9 ----	0.2 ---	3.2 ----	0.9 ----
VK [%]	106.7	89.8	287.2	76.6	143.9
KGD (5%)	ns	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	1.6	1.7	0.5	2.5	1.2
FG Fehlerterm	152.0	38.0	38.0	38.0	38.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	81.6	19	1.59 ns	1.66	0.0655
Anbauorte	319.8	3	39.42 ***	2.66	0.0000
WW Verf.*Anb.Orte	134.5	57	0.87 ns	1.41	0.7187
Fehler	411.1	152			
Insgesamt	947.1	231			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	9.0 -----	8.8 -----	9.2 -----	8.9 -----	8.9 -----
RGT Chromixx	8.5 -	8.4 -	8.2 -	8.7 -----	8.8 -----
Benedictio KWS	8.9 -----	9.0 -----	8.7 -----	8.7 -----	9.0 -----
P8409	8.9 -----	8.4 -	9.1 -----	8.9 -----	8.6 --
P8307	8.9 -----	8.8 -----	8.4 --	8.8 -----	9.0 -----
Dentrico KWS	9.0 -----	8.8 -----	8.9 -----	8.5 ----	9.1 -----
ES Katamaran	9.1 -----	8.6 ----	9.1 -----	9.0 -----	9.1 -----
RH18021	8.7 --	8.4 -	8.5 ----	8.6 ----	8.5 -
KWS Atrezzato	9.1 -----	8.8 -----	8.6 ----	9.4 -----	9.0 -----
RH17057	9.0 -----	8.7 -----	9.0 -----	9.2 -----	8.7 ----
RGT Exxon	9.1 -----	8.7 -----	9.0 -----	9.2 -----	9.1 -----
ET3490	8.8 ----	8.4 --	8.6 ----	9.1 -----	8.4 -
KXB9370	9.0 -----	8.7 -----	8.9 -----	8.8 -----	8.9 -----
SY Vitamin	8.8 ----	8.7 -----	9.0 -----	8.8 -----	8.5 --
Micheleen	8.9 -----	8.4 -	8.9 -----	9.2 -----	9.0 -----
SM K0197	9.0 -----	9.0 -----	9.3 -----	8.9 -----	8.7 ----
ET3491	9.0 -----	8.7 -----	9.3 -----	9.2 -----	8.5 --
SY Telias	8.9 -----	8.4 -	9.1 -----	8.9 -----	8.9 -----
Figaro KWS	9.0 -----	8.9 -----	8.3 --	9.2 -----	9.2 -----
Gottardo KWS	8.9 -----	8.5 --	9.1 -----	8.1 -	8.8 ----
-Bezugsgrösse(n)	8.7 ----	8.7 -----	8.5 ----	8.7 -----	8.9 -----
Versuchs-Mittel	8.9 -----	8.7 -----	8.9 -----	8.9 -----	8.8 -----
VK [%]	4.5	3.6	6.2	4.7	4.8
KGD (5%)	0.3	ns	ns	ns	ns
KGD (1%)	0.3	ns	ns	ns	ns
Versuchs-Streuung	0.4	0.3	0.6	0.4	0.4
FG Fehlerterm	247.0	38.0	38.0	38.0	38.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	7.3	19	2.36 **	1.63	0.0015
Anbauorte	9.4	6	9.54 ***	2.14	0.0000
WW Verf.*Anb.Orte	19.4	114	1.04 ns	1.29	
Fehler	40.3	247			
Insgesamt	76.4	386			

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

Verfahren	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	8.9 -----	9.0 -----	9.1 -----
RGT Chromixx	8.2 -	8.8 ----	8.6 -
Benedictio KWS	9.2 -----	8.6 -	9.2 -----
P8409	9.4 -----	8.9 -----	9.1 -----
P8307	9.2 -----	8.8 -----	8.9 ----
Dentrico KWS	9.4 -----	9.0 -----	9.2 -----
ES Katamaran	9.1 -----	9.3 -----	9.4 -----
RH18021	8.9 -----	8.8 ----	9.1 -----
KWS Atrezzato	9.3 -----	9.1 -----	9.3 -----
RH17057	9.3 -----	8.7 ---	9.4 -----
RGT Exxon	9.1 -----	9.2 -----	9.2 -----
ET3490	8.8 -----	9.0 -----	9.1 -----
KXB9370	9.3 -----	9.3 -----	8.9 ----
SY Vitamin	9.2 -----	8.6 -	9.0 ----
Micheleen	8.6 ----	9.1 -----	9.1 -----
SM K0197	9.3 -----	8.8 -----	9.1 -----
ET3491	9.1 -----	8.6 --	9.4 -----
SY Telias	9.3 -----	8.5 -	9.3 -----
Figaro KWS	9.3 -----	8.8 -----	9.0 -----
Gottardo KWS	9.5 -----	9.0 -----	9.0 ----
-Bezugsgrösse(n)	8.7 ----	8.7 ---	8.9 ----
Versuchs-Mittel	9.1 -----	8.9 -----	9.1 -----
VK [%]	4.4	3.3	3.6
KGD (5%)	ns	ns	ns
KGD (1%)	ns	ns	ns
Versuchs-Streuung	0.4	0.3	0.3
FG Fehlerterm	38.0	19.0	38.0
Anz. Beob.	3.0	2.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Talisman	146.2 ---	125.4 -----	154.9 -----	160.8 -----	156.5 ---
RGT Chromixx	147.4 ----	115.8 ----	157.4 -----	161.2 -----	164.8 -----
Benedictio KWS	149.4 -----	111.1 --	157.0 -----	167.1 -----	162.6 ----
P8409	149.0 ----	129.0 -----	150.9 ----	167.5 -----	172.3 -----
P8307	147.7 ----	122.8 -----	151.9 ----	176.9 -----	148.2 -
Dentrico KWS	151.7 -----	117.8 ----	145.7 ---	163.1 -----	175.5 -----
ES Katamaran	141.7 -	118.9 ----	142.8 ---	142.9 -	152.7 --
RH18021	150.6 ----	124.7 -----	153.4 ----	169.7 -----	161.7 ----
KWS Atrezzato	158.3 -----	130.7 -----	165.4 -----	162.4 ----	172.7 ----
RH17057	145.0 --	119.5 ----	146.0 ----	153.3 ----	157.9 ----
RGT Exxon	153.3 -----	118.7 ----	152.8 ----	170.6 -----	170.5 -----
ET3490	150.7 ----	126.2 -----	150.3 ----	163.3 ----	170.2 ----
KXB9370	160.9 -----	115.8 ----	157.3 ----	175.0 -----	181.5 -----
SY Vitamin	154.7 -----	108.6 -	172.0 -----	161.0 ----	175.2 -----
Micheleen	152.6 -----	112.1 --	149.2 ----	163.6 -----	174.8 -----
SM K0197	147.2 ----	115.1 ---	151.7 ----	160.0 ----	161.2 ----
ET3491	141.5 -	120.4 ----	135.1 -	157.6 ----	162.6 ----
SY Telias	159.6 -----	133.2 -----	169.3 -----	174.4 -----	168.6 ----
Figaro KWS	148.9 ----	116.8 ----	154.9 ----	164.4 ----	170.2 ----
Gottardo KWS	151.9 ----	124.4 -----	158.1 -----	171.2 -----	161.6 ----
-Bezugsgrösse(n)	148.4 ----	113.4 ---	157.2 -----	164.2 -----	163.7 ----
Versuchs-Mittel	150.4 ----	120.3 ----	153.8 ----	164.3 ----	166.0 ----
VK [%]	6.1	10.3	7.4	4.7	4.9
KGD (5%)	6.2	ns	ns	12.7	13.3
KGD (1%)	8.2	ns	ns	16.9	17.9
Versuchs-Streuung	9.2	12.4	11.3	7.7	8.1
FG Fehlerterm	206.0	36.0	38.0	38.0	38.0
Anz. Beob.	17.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8951.8	19	5.52 ***	1.64	0.0000
Anbauorte	100083.7	5	234.62 ***	2.26	0.0000
WW Verf.*Anb.Orte	14405.1	95	1.78 ns	1.32	
Fehler	17574.8	206			
Insgesamt	141015.4	325			

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

Verfahren	8195 Hüntwangen ZH	8566 Ellighausen TG	1896 Vouvry VS *
SY Talisman	123.6 --	156.1 ----	170.5
RGT Chromixx	128.4 ---	157.1 ----	162.0
Benedictio KWS	132.1 ----	166.4 -----	166.5
P8409	129.2 ----	145.3 -	163.1
P8307	141.0 -----	145.2 -	164.6
Dentrico KWS	141.4 -----	166.5 -----	174.9
ES Katamaran	138.9 -----	153.9 ---	146.6
RH18021	138.3 -----	155.7 ---	151.0
KWS Atrezzato	143.9 -----	174.6 -----	174.7
RH17057	136.4 -----	156.9 ----	153.2
RGT Exxon	137.8 -----	169.6 -----	155.4
ET3490	128.5 ---	165.4 -----	168.5
KXB9370	153.3 -----	182.7 -----	174.1
SY Vitamin	138.2 -----	173.1 -----	177.8
Micheleen	140.2 -----	176.0 -----	164.8
SM K0197	121.7 -	173.6 -----	159.2
ET3491	118.8 -	154.5 ---	155.2
SY Telias	144.0 -----	167.8 -----	167.8
Figaro KWS	123.9 --	163.1 ----	142.2
Gottardo KWS	134.0 ----	162.0 ----	158.1
-Bezugsgrösse(n)	130.2 ----	161.7 ----	164.3
Versuchs-Mittel	134.7 ----	163.3 ----	162.5
VK [%]	5.1	4.0	11.0
KGD (5%)	14.3	10.8	
KGD (1%)	19.6	14.5	
Versuchs-Streuung	6.9	6.5	17.8
FG Fehlerterm	19.0	37.0	38.0
Anz. Beob.	2.0	3.0	3.0

* Daten nur abgebildet, aber nicht in Mittelwert mitberücksichtigt.

Rendement relativ [%] / Relativertrag [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
SY Talisman	99.0 ---	110.6 -----	98.5 -----	98.0 -----	95.6 ---
RGT Chromixx	99.5 ----	102.1 ----	100.1 -----	98.2 -----	100.7 -----
Benedictio KWS	100.5 ----	97.9 --	99.9 -----	101.8 -----	99.3 ----
P8409	101.0 ----	113.7 -----	96.0 ----	102.0 -----	105.3 -----
P8307	100.2 ----	108.2 -----	96.6 ----	107.8 -----	90.5 -
Dentrico KWS	102.4 -----	103.9 ----	92.7 ---	99.3 -----	107.2 -----
ES Katamaran	96.3 -	104.9 ----	90.8 ---	87.0 -	93.3 --
RH18021	102.0 ----	109.9 -----	97.6 -----	103.4 -----	98.8 ----
KWS Atrezzato	107.2 -----	115.3 -----	105.2 -----	98.9 ----	105.5 -----
RH17057	98.3 ---	105.4 ----	92.9 ----	93.4 ----	96.5 ----
RGT Exxon	103.4 -----	104.7 ----	97.2 ----	103.9 -----	104.2 -----
ET3490	101.9 ----	111.3 -----	95.6 ----	99.5 -----	104.0 -----
KXB9370	108.4 -----	102.1 ----	100.0 -----	106.6 -----	110.9 -----
SY Vitamin	103.9 -----	95.7 -	109.4 -----	98.1 ----	107.0 -----
Micheleen	102.8 -----	98.8 --	94.9 ----	99.7 -----	106.8 -----
SM K0197	99.1 ---	101.4 ---	96.5 ----	97.5 -----	98.5 ----
ET3491	95.7 -	106.2 ----	85.9 -	96.0 ----	99.3 ----
SY Telias	108.1 -----	117.4 -----	107.7 -----	106.2 -----	103.0 -----
Figaro KWS	100.2 ----	103.0 ----	98.5 ----	100.1 -----	104.0 -----
Gottardo KWS	102.7 -----	109.7 -----	100.6 -----	104.3 -----	98.7 ----
-Bezugsgrösse(n)	100.0 ----	100.0 ---	100.0 -----	100.0 -----	100.0 -----
Versuchs-Mittel	101.6 ----	106.1 ----	97.8 ----	100.1 -----	101.4 -----
VK [%]	6.6	10.3	7.4	4.7	4.9
KGD (5%)	4.5	ns	ns	7.7	8.1
KGD (1%)	5.9	ns	ns	10.3	10.9
Versuchs-Streuung	6.7	10.9	7.2	4.7	4.9
FG Fehlerterm	206.0	36.0	38.0	38.0	38.0
Anz. Beob.	17.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3891.3	19	4.61 ***	1.64	0.0000
Anbauorte	2300.2	5	10.36 ***	2.26	0.0000
WW Verf.*Anb.Orte	6848.6	95	1.62 ns	1.32	
Fehler	9150.9	206			
Insgesamt	22191.0	325			

Rendement relativ [%] / Relativertrag [%]

Verfahren	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	94.9 --	96.5 ----
RGT Chromixx	98.6 ---	97.1 ----
Benedictio KWS	101.4 ----	102.9 -----
P8409	99.2 ----	89.8 -
P8307	108.3 -----	89.8 -
Dentrico KWS	108.6 -----	102.9 -----
ES Katamaran	106.7 -----	95.1 ---
RH18021	106.2 -----	96.3 ---
KWS Atrezzato	110.5 -----	108.0 -----
RH17057	104.7 -----	97.0 ---
RGT Exxon	105.8 -----	104.8 -----
ET3490	98.7 ---	102.3 -----
KXB9370	117.7 -----	113.0 -----
SY Vitamin	106.1 -----	107.0 -----
Micheleen	107.6 -----	108.8 -----
SM K0197	93.4 -	107.3 -----
ET3491	91.2 -	95.5 ---
SY Telias	110.6 -----	103.8 -----
Figaro KWS	95.1 --	100.8 ----
Gottardo KWS	102.9 ----	100.2 ----
-Bezugsgrösse(n)	100.0 ----	100.0 ----
Versuchs-Mittel	103.4 ----	101.0 ----
VK [%]	5.1	4.0
KGD (5%)	11.0	6.7
KGD (1%)	15.1	8.9
Versuchs-Streuung	5.3	4.0
FG Fehlerterm	19.0	37.0
Anz. Beob.	2.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	1896 Vouvry	3065 Habstetten
SY Talisman	76.1 -----	80.0 -----	68.3 -----	78.7 -----	72.1 -----
RGT Chromixx	75.5 -----	78.0 -----	70.9 -----	80.4 -----	71.8 -----
Benedictio KWS	75.2 -----	77.6 -----	69.0 -----	79.0 -----	73.2 -----
P8409	76.2 -----	80.1 -----	69.6 -----	80.9 -----	73.0 -----
P8307	76.6 -----	80.2 -----	71.7 -----	80.7 -----	74.0 -----
Dentrico KWS	75.8 -----	79.6 -----	69.5 -----	80.7 -----	71.5 -----
ES Katamaran	76.5 -----	80.3 -----	70.3 -----	80.7 -----	73.1 -----
RH18021	74.0 ----	75.6 -	69.1 -----	79.1 -----	70.6 ----
KWS Atrezzato	73.1 ---	78.6 -----	67.9 ----	78.3 -----	69.9 ---
RH17057	75.5 -----	77.8 -----	70.7 -----	80.1 -----	71.6 -----
RGT Exxon	74.1 -----	78.1 -----	69.7 -----	77.7 ----	70.8 ----
ET3490	74.7 -----	78.2 -----	67.6 ----	80.2 -----	72.4 -----
KXB9370	71.6 -	76.6 ---	64.7 -	75.7 -	68.0 -
SY Vitamin	73.5 ---	78.8 -----	68.4 -----	77.6 ----	69.4 ---
Micheleen	74.7 -----	77.9 -----	69.2 -----	78.3 -----	71.6 -----
SM K0197	76.1 -----	79.7 -----	71.9 -----	79.0 -----	73.5 -----
ET3491	75.8 -----	79.5 -----	70.2 -----	80.2 -----	72.2 -----
SY Telias	75.2 -----	80.4 -----	69.9 -----	78.9 -----	71.5 -----
Figaro KWS	74.4 -----	78.5 -----	68.4 -----	78.6 -----	71.0 -----
Gottardo KWS	74.3 -----	77.6 -----	67.4 ----	77.9 ----	71.4 ----
-Bezugsgrösse(n)	75.3 -----	77.8 -----	70.0 -----	79.7 -----	72.5 -----
Versuchs-Mittel	74.9 -----	78.7 -----	69.2 -----	79.1 -----	71.6 -----
VK [%]	1.1	1.1	1.5	0.8	0.9
KGD (5%)	0.5	1.4	1.7	1.0	1.1
KGD (1%)	0.7	1.9	2.3	1.4	1.5
Versuchs-Streuung	0.8	0.9	1.0	0.6	0.7
FG Fehlerterm	246.0	38.0	38.0	38.0	38.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	610.1	19	48.81 ***	1.63	0.0000
Anbauorte	6018.3	6	1524.81 ***	2.14	0.0000
WW Verf.*Anb.Orte	315.5	114	4.21 ***	1.29	0.0000
Fehler	161.8	246			
Insgesamt	7105.7	385			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8195 Hüntwangen ZH	8566 Ellighausen TG
SY Talisman	80.3 -----	80.8 -----	72.3 -----
RGT Chromixx	76.8 ----	79.0 -----	71.7 -----
Benedictio KWS	79.1 -----	75.6 ----	72.6 -----
P8409	78.4 ----	79.2 -----	72.3 -----
P8307	80.6 -----	77.8 -----	70.9 -----
Dentrico KWS	78.8 -----	78.3 -----	71.7 -----
ES Katamaran	80.1 -----	79.0 -----	72.3 -----
RH18021	76.2 --	77.3 -----	70.1 -----
KWS Atrezzato	75.2 -	74.2 --	67.6 -
RH17057	78.9 -----	78.1 -----	70.9 -----
RGT Exxon	79.0 -----	73.7 -	70.0 -----
ET3490	76.8 ----	76.4 ----	71.1 -----
KXB9370	75.4 -	73.1 -	67.9 -
SY Vitamin	76.9 ----	74.0 --	69.3 ----
Micheleen	77.9 -----	77.1 -----	71.1 -----
SM K0197	80.1 -----	76.8 -----	71.9 -----
ET3491	78.0 -----	78.6 -----	72.0 -----
SY Telias	77.5 ----	77.2 -----	70.8 -----
Figaro KWS	77.8 ----	75.6 ----	70.7 -----
Gottardo KWS	77.9 -----	77.1 -----	70.8 -----
-Bezugsgrösse(n)	78.0 -----	77.3 -----	72.1 -----
Versuchs-Mittel	78.1 -----	76.9 -----	70.9 -----
VK [%]	1.0	1.1	1.1
KGD (5%)	1.3	1.8	1.3
KGD (1%)	1.7	2.5	1.8
Versuchs-Streuung	0.8	0.9	0.8
FG Fehlerterm	38.0	19.0	37.0
Anz. Beob.	3.0	2.0	3.0

3.3 Serie mittelspät / Série mi-tardif

3.3.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2020	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	08.05.2020	19.10.2020
1567	Delley (Avenches)	432	08.05.2020	22.10.2020
1896	Vouvry	404	23.04.2020	02.11.2020
3065	Habstetten	680	20.05.2020	18.11.2020
8046	Reckenholz	440	19.05.2020	06.11.2020
8194	Hüntwangen	384	24.04.2020	22.10.2020
8566	Ellighausen	503	08.05.2020	12.11.2020
9436	Balgach	408	18.05.2020	14.10.2020

3.3.2 Sorten und Status / Variétés et statut

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
P9027	P9027	SC	Pioneer	Pioneer, Versoix	KM21/S	
RGT Planoxx	RH13048	SC	RAGT 2n	Fenaco, Moudon	KM21/S	
Toutati CS	CSM2309	SC	Caussade Semences	Schweizer, Thun	KM21/S	
DKC 3361	EP3361	SC	Monsanto, USA	Monsanto, Morges	KM21/S	
Kidemos KWS	KXB6331	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/S	
DKC 3595	ES3595	SC	Monsanto, USA	Monsanto, Morges	KM21/e2	
LG 31272	LZM 267/54	SC	Limagrain Europe	Fenaco, Moudon	KM21/e2	SM21/e2
P8834	X90M326	SC	Pioneer	Pioneer, Versoix	KM21/e2	SM21/e2
SY Impulse	SB2215	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e2	SM21/e2
SY Enermax	SC2685	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e2	SM21/e2
SY Fregat	SB1497	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e2	
	KXB9358	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	
	KXB9433	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
SY Amfora	SA2178	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e1	SM21/e1
	X95P757	SC	Pioneer	Pioneer, Versoix	KM21/e1	
Glumanda	ER3928	SC	RWA AG Wien		KM21/e1	
Gottardo KWS	KXB1157	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/T	
P9903	X00C209	SC	Pioneer	Pioneer, Versoix	KM41/S	
P0725	X8K803	SC	Pioneer	Pioneer, Versoix	KM42/S	
ES Gallery			Euralis, F		FS	
ES Faraday	ESZ5303		Euralis, F		FS	
P9610			Pioneer	Pioneer, Versoix	FS	
Badiane			Deutsche Saatveredelung AG		FS	
DKC 5141			Monsanto, USA	Monsanto, Morges	FS	

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

Technische Versuchsausgaben / données techniques / technical information										
Standort / lieu / site:	Nyon (420 m ü.M.)	Vouvry (380 m ü.M.)	Habstetten (600 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	Ellighausen (503 m ü.M.)	Belgisch (408 m ü.M.)			
Bodenart / type de sol / soil type:	Limono sandbeux	Argile tourbeux	Sandiger Lehm, pH 6.4	Braunerde	Braunerde, tiefergründig, sandiger Lehm	Braunerde	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):	15.07.-15.08. Irrigation 35 mm; 27.07.-07.08. Irrigation 466.6 mm; 1985.4°C	554.5 mm (selon Agrometeo, station Praz) 1946.5°C (selon Agrometeo, station Praz)	767.6 mm 1604.8°C (Station: Zbz/wil)	474.5 mm 1762.5°C	422.8 mm 1907.2°C (Station Wil)	500.5 mm 1737.5°C	861.1 mm (Metostation Bernack-Feuerbrand) 1766.7°C (Metostation Bernack-Hindermaur)			
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengröße / grandeur d'une parcelle / plot size:	4reihig, mit 1.4m Weg (22.4m2 brutto), 10m2 netto	Semé: 17 m2 per single plot (brut, avec chemin d'environ 1.1 m), 14.4 m2 net, 4 rangs Récolte: 8.5 m2 per single plot (brut, avec chemin), 7.2 m2 net, 2 rangs au milieu	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto	15 m2 pro Plot brutto (4reihig, mit 0.8m Weg), 6.3 m2 netto			
Vorfrucht / précédent cultural / previous crop:	Luzerne	Blé automne / Winterweizen / winter wheat	Gerste / orge / barley	Winterweizen / Gründüngung UFA Lephä	Zuckerrüben	Sonnenblumen	Gerste Ganzpflanzensilage			
Bodenbearbeitung / travail du sol / soil cultivation:	18.01 labour / charue; 23.03. herse à disque; 27.04. + 07.05. + 25.05. vibroculteur	Pflug und Kreiselegge / charue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charue et herse rotative / plough and rotary harrow	Pflug (22.01.2020), Kulturegge (24.03.2020), Kreiselegge (15.04.2020+ 18.05.2020)	Grubber / Kreiselegge	Herbstfurche und Kreiselegge	09.05.20 Spaten, 11.05.20 Fräsen, 18.05.20 Fräsen			
Saat / date de semis / sowing date:	08.05.2020	25.04.2020	20.05.2020	19.05.2020	24.04.2020	06.05.2020	18.05.2020			
Ernte / date de récolte / harvest date:	19.10.2020	02.11.2020	18.11.2020	06.11.2020	22.10.2020	14.10.2020	14.10.2020			
Saatdichte / densité de semis / sowing density:	9.0 Körner / grains pro m2	9.0 Körner / grains pro m2	8.7 Körner / grains pro m2	9.7 Körner / grains pro m2	9.7 Körner / grains pro m2	9.7 Körner / grains pro m2	9.7 Körner / grains pro m2			
Vegetationsdauer / durée de végétation / growing period	164 Tage / jours / days	193 Tage / jours / days	182 Tage / jours / days	171 Tage / jours / days	188 Tage / jours / days	188 Tage / jours / days	149 Tage / jours / days			
Reihenabstand / interfrignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm	75 cm			

Standort / lieu / site :	Nyon (420 m ü.M.)	Vouvry (380 m ü.M.)	Avenches (434 m ü.M.)	Habstetten (680 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (884 m ü.M.)	Ellighausen (503 m ü.M.)	Balgach (408 m ü.M.)
Mechanische Unkrautbekämpfung / dés herbages mécanique / mechanical weed control:	-	-	-	-	25.06.2020 hacken zwischen den Reihen gekoppelt mit Düngung	-	-	23.05.2020 Striegel, 11.06.2020 Reihenträsen
Chemische Unkrautbekämpfung / dés herbages chimique / chemical weed control:	Gardo Gold 4 l/ha, Banvel 4S 0,5 l/ha, Elumis 1,3 l/ha (15.06.20)	22.05.2020: Elumis 1 l/ha, Gardo Gold 3 l/ha, 0,2 l/ha Banvel	17.05.2019: Dual Gold (1,025 l/ha) + Elumis (1,3 l/ha)	03.06.2020: Elumis 1,3 l/ha, Spectrum 1,2 l/ha	01.07.2020: Aspect 2 l/ha, Laudis 2 l/ha, Banvel 4S 0,6 l/ha	20.5.20 EquipPower 1,5 l/ha; Banvel 0,4 l/ha; Bacalon Aqua 1,0 l/ha	27.5. Aspekt/Laudis/Banvel 4s	18.06.2020 Hector Max
Grunddüngung / fumure de base / basic fertilisation:	18.03. 470 kg/ha Landor 0.20.30 : 84 kg/ha P205 141 kg/ha K20	14.04.2020: 450kg Landor 13.9.16 = 88 kg N/ha, 40 kg P/ha, 72 kg K/ha	-	21.04.20: *Kali 60 %: 200 kg/ha, Granuphos 17 %: 310 kg/ha = 53 kg P/ha, 120 kg K/ha	27.03.2020 Triple Superphosphat 3,86 t/ha (174 kg P2O5/ha)	21.4.20 DAP = 29 kg N/ha, 74 kg P2O5/ha; 19.3.20 Kali = 120 kg K2O/ha	15.1. Stapelmist (67,5 kg N/ha), Triple super 60 kg P/ha	09.05.2020 Stapelmist verrottet 20 t/ha (90 kg N/ha)
N-Düngung / fumure N / N fertilisation:	08.05 Nitrate ammoniacale 27,5%: 185 kg/ha = 51 kg N/ha; 03.06. urée perlée 46%: 130 kg/ha = 60 kg N/ha	400 kg/ha Entec 26% = 104 kg N/ha	16.05.2019: Urée 46.0.0 (293 kg/ha)	22.05.20: 40 kg N/ha (ammonitrate), 15.06.20: 82 kg N/ha (Harnstoff / Urée)	Harnstoff 50 kg N/ha (18.05.2020), Harnstoff 10 kg N/ha (25.06.2020)	21.4.20 Sulfamid 136 N/ha	26.5.20: Ammonsalpeter 38 kg N/ha, 13.6.20: Harnstoff 85 kg N/ha	23.05.2020 Mg Ammonsalpeter 24 % N 2.5 kg/ha (60 kg N/ha) 09.06.2020 Mg Ammonsalpeter 24 % N 2.5 kg/ha (60 kg N/ha)
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	95 kg N/ha (27.05.2020)	-	-	-
Ernte / Récolte / harvest:	Baural Mähdröschler / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Wintersteiger Delta Maisdröschler / moissonneuse-batteuse / direct combine harvesting	-	-	-	-

3.3.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung	Wurzellager. Vegetation	Wurzellager. Ernte	Stängel- bruch	Beulen- brand	Stängel- fäule	Gesamt- index
P9610	FS	10.43	-7.20	-0.03		0.26	0.14	0.54	0.96	5.10
SY Impulse	e2	3.71	-0.42	-0.22		-0.45	0.08	-0.10	0.65	3.27
P8834	e2	8.08	-2.31	-0.02		-3.27	-1.13	0.10	1.07	2.51
LG 31272	e2	4.80	-3.63	0.59		-0.70	-0.08	0.49	0.80	2.25
ES Gallery	FS	3.46	-2.50	0.12		0.05	-0.16	0.58	0.22	1.76
Kidemos KWS	S	2.78	-1.61	-0.03		-0.16	0.05	-0.19	-0.26	0.58
ES Faraday	FS	4.66	-3.00	0.20		-1.92	-0.93	0.52	0.90	0.44
Gottardo KWS	T	-1.04	0.57	0.14		0.21	-0.02	0.17	0.27	0.29
DKC 3595	e2	2.20	0.84	-0.19		-0.85	-1.45	0.48	-1.06	-0.03
RGT Planoxx	S	-2.78	1.61	0.03		0.16	-0.05	0.19	0.26	-0.58
SY Enermax	e2	4.05	-6.07	-0.56		0.06	0.39	0.59	0.75	-0.79
SY Fregat	e2	3.56	-1.57	-0.72		-1.40	-0.06	0.37	-1.00	-0.81
DKC 3361	S	-5.60	2.85	0.23		0.19	0.36	0.22	0.84	-0.92
Badiane	FS	2.92	-5.65	-0.51		-0.30	0.40	0.64	0.32	-2.17
X95P757	e1	6.56	-9.92	-0.40		-0.03	0.39	0.20	0.93	-2.27
P9903	FS	7.98	-9.28	-0.21		-1.39	-0.39	0.59	0.37	-2.32
Glumanda	e1	1.28	-5.39	-0.07		0.22	0.34	0.22	1.00	-2.39
KXB9358	e1	5.63	-8.51	-0.10		-0.15	-0.02	-0.01	0.34	-2.82
SY Amfora	e1	10.00	-8.43	0.56		-0.81	-5.44	0.16	0.71	-3.26
Toutati CS	S	-3.60	1.48	0.01		-0.07	-0.19	0.15	-1.40	-3.61
KXB9433	e1	-1.61	-2.24	0.02		0.16	-0.18	-0.11	-0.90	-4.85
P9027	S	-2.45	-0.87	0.14		-0.50	-0.58	0.21	-1.12	-5.17
DKC 5141	FS	4.63	-16.46	-0.36		-0.73	0.51	0.21	1.02	-11.18
P0725	FS	8.58	-21.86	-0.31		-0.19	0.60	-0.19	1.10	-12.27
Bezugsgrößen		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		23	23	23		11	14	20	14	
Anzahl Orte		8	8	8		4	5	7	5	
Gewichtung		1	2.5	0.5	0.25	0.75	0.75	0.25	0.25	

3.3.5 Zusammenfassung / Résumé

Sorten Bezeichnung	Jugend- entwick- lung Note	Saat- weibl. Blüte Tage	Saat- männl. Blüte Tage	Pflan- zen- höhe cm	Kolben- ansatz- höhe cm	relat. Kolben- höhe %	Green snapping Note	Green snapping %	Wurzel- lager. Ernte %
P9027	3.6	76.1	79.1	259.1	127.7	49.0	1.3	4.2	2.2
RGT Planoxx	3.8	76.8	79.7	261.3	128.3	49.2	1.0	0.0	0.4
Toutati CS	3.9	77.1	79.7	256.7	123.6	48.3	1.7	8.3	1.0
DKC 3361	3.4	75.8	78.7	246.9	117.7	47.6	1.0	0.0	0.3
Kidemos KWS	4.0	77.0	79.9	262.2	118.7	45.1	1.0	0.0	1.3
DKC 3595	4.3	77.5	80.0	255.8	122.1	47.6	3.0	25.0	3.1
LG 31272	2.7	74.5	77.7	276.4	135.5	49.0	1.0	0.0	2.7
P8834	3.9	76.7	80.0	262.7	135.0	51.5	1.3	4.2	9.6
SY Impulse	4.3	76.2	78.8	269.8	130.9	48.5	1.0	0.0	2.0
SY Enermax	5.0	78.1	80.9	280.2	134.1	47.8	1.3	4.2	0.7
SY Fregat	5.3	79.6	82.1	268.3	122.9	45.5	1.0	0.0	4.6
KXB9358	4.1	77.1	80.2	262.6	129.7	49.3	1.7	8.3	1.2
KXB9433	3.9	80.5	82.6	262.1	122.8	46.8	1.0	0.0	0.4
SY Amfora	2.8	77.1	79.2	276.1	125.4	45.4	2.7	20.8	3.0
X95P757	4.7	79.2	81.8	262.3	128.5	49.2	1.0	0.0	0.9
Glumanda	4.0	76.9	79.9	256.1	127.7	50.0	1.0	0.0	0.2
Gottardo KWS	3.6	72.4	76.1	248.0	111.6	45.4	1.0	0.0	0.3
P9903	4.3	79.5	82.9	268.4	125.6	46.7	1.3	4.2	4.5
P0725	4.5	85.3	86.9	273.6	137.3	50.6	1.0	0.0	1.4
ES Gallery	3.7	77.8	79.7	261.0	132.9	51.0	1.7	8.3	0.7
ES Faraday	3.5	77.8	80.8	269.7	133.5	49.5	1.0	0.0	6.0
P9610	4.0	79.5	82.1	266.0	131.1	49.4	1.3	4.2	0.1
Badiane	4.9	78.0	80.9	254.9	129.7	50.8	1.0	0.0	1.6
DKC 5141	4.6	80.5	83.6	266.4	126.2	47.4	1.0	0.0	2.8
Bezugsgrösse(n)	3.9	76.9	79.8	261.8	123.5	47.1	1.0	0.0	0.8
Versuchs-Mittel	4.0	77.8	80.5	263.6	127.4	48.4	1.3	3.8	2.1
VK [%]	17.6	1.3	1.1	4.1	6.7	7.4	39.1	167.0	164.4
KGD (5%)	0.4	0.7	0.8	7.8	6.1	2.6	0.8	10.5	2.9
KGD (1%)	0.5	1.0	1.1	10.3	8.1	3.4	1.1	14.0	3.9
Versuchs-Streuung	0.7	1.0	0.9	10.9	8.5	3.6	0.5	6.4	3.5
FG Fehlerterm	345.0	230.0	138.0	230.0	230.0	230.0	46.0	46.0	161.0
Anz. Beob.	23.0	15.0	9.0	15.0	15.0	15.0	3.0	3.0	11.0
Anz. Orte	8.0	5.0	3.0	5.0	5.0	5.0	1.0	1.0	4.0
Minimum	2.7	72.4	76.1	246.9	111.6	45.1	1.0	0.0	0.1
Maximum	5.3	85.3	86.9	280.2	137.3	51.5	3.0	25.0	9.6

Sorten Bezeichnung	Stängel- bruch Ernte %	Stängel fäule %	Helmin. thosp. Note	Beulen- brand %	Mais- zünsler %	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %
P9027	2.5	14.3	2.9	2.0	1.5	8.4	150.2	98.0	74.4
RGT Planoxx	1.4	5.4	3.0	2.1	2.2	8.4	149.7	97.3	75.4
Toutati CS	1.7	16.0	2.6	2.3	1.2	8.3	148.4	96.5	75.4
DKC 3361	0.5	1.7	3.4	2.0	1.9	8.4	145.3	94.1	75.9
Kidemos KWS	1.2	8.7	2.1	3.8	2.2	8.6	158.2	102.7	74.1
DKC 3595	4.4	13.9	3.1	0.8	1.7	8.5	157.3	102.5	75.1
LG 31272	1.4	2.0	2.3	0.8	2.6	8.4	161.3	105.1	73.3
P8834	3.7	0.2	2.7	2.6	1.4	8.2	166.4	108.3	73.8
SY Impulse	1.1	2.9	2.3	3.4	2.3	8.0	159.7	103.7	74.6
SY Enermax	0.4	2.3	2.4	0.3	3.0	8.2	160.2	104.7	72.3
SY Fregat	1.4	13.5	2.4	1.3	1.7	8.1	159.4	103.8	74.1
KXB9358	1.3	4.9	2.6	3.0	2.3	8.6	162.6	105.9	71.4
KXB9433	1.7	12.9	3.0	3.5	0.6	8.4	151.5	98.4	73.9
SY Amfora	12.9	2.5	2.7	2.3	1.3	8.6	169.3	110.3	71.4
X95P757	0.4	1.1	2.0	2.1	1.4	8.4	164.0	107.3	70.8
Glumanda	0.5	0.7	2.4	2.0	0.8	8.2	155.9	101.4	72.6
Gottardo KWS	1.3	5.4	2.6	2.2	2.5	8.3	152.3	99.0	75.0
P9903	2.1	4.7	2.0	0.3	1.8	8.0	166.2	108.5	71.1
P0725	0.0	0.0	2.0	3.9	1.4	8.1	167.1	108.7	66.0
ES Gallery	1.6	5.7	2.2	0.3	1.3	8.6	159.3	103.7	73.8
ES Faraday	3.2	1.3	2.2	0.6	1.9	8.6	161.1	105.1	73.6
P9610	1.0	0.9	2.3	0.5	1.4	8.1	170.0	110.3	71.9
Badiane	0.4	5.0	2.4	0.1	1.5	8.5	158.4	103.7	72.5
DKC 5141	0.2	0.6	2.0	2.0	1.7	8.2	161.1	105.3	68.2
Bezugsgrösse(n)	1.3	7.1	2.6	3.0	2.2	8.5	153.9	100.0	74.8
Versuchs-Mittel	1.9	5.3	2.5	1.8	1.7	8.3	159.0	103.5	72.9
VK [%]	235.8	158.1	18.5	132.2	98.3	4.6	5.5	5.9	1.2
KGD (5%)	3.4	6.2	0.4	1.5		0.2	5.0	3.6	0.5
KGD (1%)	4.5	8.2	0.6	2.0		0.3	6.7	4.7	0.6
Versuchs-Streuung	4.5	8.3	0.5	2.4	1.7	0.4	8.7	6.1	0.8
FG Fehlerterm	207.0	207.0	138.0	295.0	138.0	345.0	341.0	341.0	345.0
Anz. Beob.	14.0	14.0	9.0	20.0	9.0	23.0	23.0	23.0	23.0
Anz. Orte	5.0	5.0	3.0	7.0	3.0	8.0	8.0	8.0	8.0
Minimum	0.0	0.0	2.0	0.1	0.6	8.0	145.3	94.1	66.0
Maximum	12.9	16.0	3.4	3.9	3.0	8.6	170.0	110.3	75.9

3.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1261 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9027	3.6 ---	3.7 ----	3.7 ---	4.0 ---	3.3 --
RGT Planoxx	3.8 ----	3.7 ----	3.3 ---	4.3 ----	4.3 ----
Toutati CS	3.9 ----	4.3 ----	3.3 ---	4.0 ---	4.3 ----
DKC 3361	3.4 ---	4.0 ----	3.0 --	3.3 --	4.3 ----
Kidemos KWS	4.0 ----	4.3 ----	3.3 ---	4.7 ----	4.0 ----
DKC 3595	4.3 ----	4.3 ----	4.0 ---	4.3 ----	4.7 ----
LG 31272	2.7 -	3.3 ---	2.7 -	3.0 -	3.3 --
P8834	3.9 ----	4.0 ----	3.3 ---	4.7 ----	4.3 ----
SY Impulse	4.3 ----	4.3 ----	4.3 ----	4.7 ----	4.3 ----
SY Enermax	5.0 ----	4.7 ----	4.3 ----	5.0 ----	5.3 ----
SY Fregat	5.3 ----	4.7 ----	6.0 ----	6.0 ----	5.3 ----
KXB9358	4.1 ----	4.3 ----	4.3 ----	5.0 ----	4.7 ----
KXB9433	3.9 ----	4.0 ----	3.0 --	4.7 ----	4.7 ----
SY Amfora	2.8 -	3.0 -	2.7 -	3.7 ---	3.0 -
X95P757	4.7 ----	4.3 ----	4.3 ----	5.3 ----	5.3 ----
Glumanda	4.0 ----	3.7 ----	4.0 ----	4.0 ---	4.0 ---
Gottardo KWS	3.6 ---	3.3 ---	3.3 ---	3.3 --	3.7 ---
P9903	4.3 ----	4.7 ----	3.3 ---	4.7 ----	4.7 ----
P0725	4.5 ----	4.0 ----	4.7 ----	5.0 ----	4.7 ----
ES Gallery	3.7 ---	3.3 ---	4.0 ----	3.7 ---	4.3 ----
ES Faraday	3.5 ---	3.3 ---	3.3 ---	4.0 ---	3.3 --
P9610	4.0 ----	4.3 ----	3.3 ---	4.7 ----	4.7 ----
Badiane	4.9 ----	4.3 ----	5.0 ----	5.0 ----	4.7 ----
DKC 5141	4.6 ----	4.3 ----	4.7 ----	5.0 ----	5.0 ----
-Bezugsgrösse(n)	3.9 ----	4.0 ----	3.3 ---	4.5 ----	4.2 ----
Versuchs-Mittel	4.0 ----	4.0 ----	3.8 ---	4.4 ----	4.3 ----
VK [%]	17.6	11.6	20.7	11.8	14.4
KGD (5%)	0.4	0.8	1.3	0.9	1.0
KGD (1%)	0.5	1.0	1.7	1.1	1.4
Versuchs-Streuung	0.7	0.5	0.8	0.5	0.6
FG Fehlerterm	345.0	46.0	46.0	46.0	46.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	212.4	23	18.27	***	1.56	0.0000
Anbauorte	92.7	7	26.19	***	2.04	0.0000
WW Verf.*Anb.Orte	90.6	161	1.11	ns	1.24	
Fehler	174.4	345				
Insgesamt	570.1	536				

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9437 Balgach / SG
P9027	3.0 --	3.7 -----	3.7 ----	4.0 ----
RGT Planoxx	3.3 ---	2.7 ---	4.0 -----	5.0 -----
Toutati CS	4.0 ----	2.7 ---	4.3 -----	4.0 ----
DKC 3361	3.7 ----	2.3 --	3.3 ---	3.5 ---
Kidemos KWS	4.3 -----	2.0 -	4.0 -----	5.0 -----
DKC 3595	4.3 -----	3.7 -----	4.3 -----	4.5 -----
LG 31272	2.3 -	2.0 -	2.7 -	2.5 -
P8834	3.7 ---	3.0 ----	4.0 ----	4.5 ----
SY Impulse	4.0 ----	4.0 -----	4.0 ----	5.0 -----
SY Enermax	6.0 -----	4.3 -----	5.0 -----	5.5 -----
SY Fregat	4.7 -----	4.3 -----	5.7 -----	6.0 -----
KXB9358	3.7 ---	3.3 ----	4.0 ----	3.5 ---
KXB9433	4.0 ----	2.7 ---	3.3 ---	4.5 ----
SY Amfora	2.7 --	2.0 -	2.7 -	2.5 -
X95P757	5.0 -----	3.3 ----	6.0 -----	4.0 ----
Glumanda	5.0 -----	3.0 ----	4.7 -----	4.0 ----
Gottardo KWS	4.0 ----	3.0 ----	3.3 ---	5.0 -----
P9903	4.0 ----	3.0 ----	4.7 -----	5.5 -----
P0725	4.0 ----	3.7 -----	4.7 -----	5.5 -----
ES Gallery	3.7 ---	3.0 ----	3.3 ---	4.0 ----
ES Faraday	3.3 ---	2.3 --	4.3 -----	4.0 ----
P9610	4.0 ----	3.0 ----	3.7 ---	4.0 ----
Badiane	5.3 -----	3.7 -----	5.3 -----	6.0 -----
DKC 5141	4.3 -----	4.0 -----	4.7 -----	5.0 -----
-Bezugsgrösse(n)	3.8 -----	2.3 --	4.0 -----	5.0 -----
Versuchs-Mittel	4.0 ----	3.1 ----	4.2 ----	4.5 ----
VK [%]	17.7	24.8	22.4	18.1
KGD (5%)	1.2	1.3	1.5	1.7
KGD (1%)	1.6	1.7	2.0	2.3
Versuchs-Streuung	0.7	0.8	0.9	0.8
FG Fehlerterm	46.0	46.0	46.0	23.0
Anz. Beob.	3.0	3.0	3.0	2.0

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

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9027	76.1 ---	73.3 ----	85.0 --	72.0 ---	70.0 ----
RGT Planoxx	76.8 ----	73.0 ----	85.7 ---	72.7 ---	70.7 ----
Toutati CS	77.1 ----	73.3 ----	86.3 ---	73.0 ----	70.3 ----
DKC 3361	75.8 ---	72.3 ----	84.7 --	72.3 ---	69.7 ---
Kidemos KWS	77.0 ----	73.3 ----	86.3 ---	72.3 ---	71.0 ----
DKC 3595	77.5 ----	74.3 ----	86.7 ---	73.7 ----	70.7 ----
LG 31272	74.5 --	69.3 --	83.3 -	71.0 --	69.0 ---
P8834	76.7 ---	72.7 ---	86.7 ---	72.0 ---	70.7 ----
SY Impulse	76.2 ---	73.0 ---	85.0 --	72.0 ---	70.0 ---
SY Enermax	78.1 ----	74.0 ----	87.0 ----	74.0 ----	72.7 ----
SY Fregat	79.6 ----	75.7 ----	90.3 ----	76.3 ----	72.0 ----
KXB9358	77.1 ---	73.7 ---	87.0 ---	72.3 ---	71.0 ----
KXB9433	80.5 ----	77.7 ----	89.7 ----	76.3 ----	74.0 ----
SY Amfora	77.1 ---	75.0 ----	85.3 --	72.7 ---	71.3 ---
X95P757	79.2 ----	76.3 ----	88.0 ----	74.0 ---	72.7 ----
Glumanda	76.9 ---	74.0 ----	85.0 --	72.3 ---	71.3 ----
Gottardo KWS	72.4 -	66.7 -	83.0 -	69.3 -	67.0 -
P9903	79.5 ----	76.7 ----	88.0 ---	75.3 ----	73.7 ----
P0725	85.3 ----	84.7 ----	96.0 ----	81.7 ----	76.3 ----
ES Gallery	77.8 ---	74.3 ---	85.7 ---	74.3 ---	72.0 ----
ES Faraday	77.8 ---	74.3 ---	87.3 ---	72.3 ---	72.0 ----
P9610	79.5 ----	77.0 ----	89.0 ----	74.7 ----	72.7 ----
Badiane	78.0 ---	75.7 ----	87.0 ---	72.7 ---	72.0 ----
DKC 5141	80.5 ----	77.0 ----	89.3 ----	78.7 ----	73.0 ----
-Bezugsgrösse(n)	76.9 ---	73.2 ----	86.0 ---	72.5 ---	70.8 ----
Versuchs-Mittel	77.8 ----	74.5 ----	87.0 ---	73.7 ---	71.5 ----
VK [%]	1.3	2.0	1.2	1.2	1.0
KGD (5%)	0.7	2.4	1.8	1.5	1.2
KGD (1%)	1.0	3.2	2.3	2.0	1.6
Versuchs-Streuung	1.0	1.5	1.1	0.9	0.7
FG Fehlerterm	230.0	46.0	46.0	46.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2053.1	23	88.70 ***	1.58	0.0000
Anbauorte	12452.9	4	3093.42 ***	2.41	0.0000
WW Verf.*Anb.Orte	230.7	92	2.49 ***	1.32	0.0002
Fehler	231.5	230			
Insgesamt	14968.2	349			

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

Verfahren	8566	
	Ellighausen TG	
P9027	80.3	----
RGT Planoxx	82.0	-----
Toutati CS	82.3	-----
DKC 3361	80.0	----
Kidemos KWS	82.0	-----
DKC 3595	82.0	-----
LG 31272	80.0	----
P8834	81.7	----
SY Impulse	81.0	----
SY Enermax	83.0	-----
SY Fregat	83.7	-----
KXB9358	81.3	----
KXB9433	84.7	-----
SY Amfora	81.0	----
X95P757	85.0	-----
Glumanda	81.7	----
Gottardo KWS	76.0	-
P9903	84.0	-----
P0725	88.0	-----
ES Gallery	82.7	-----
ES Faraday	83.0	-----
P9610	84.3	-----
Badiane	82.7	-----
DKC 5141	84.3	-----
-Bezugsgrösse(n)	82.0	-----
Versuchs-Mittel	82.4	-----
VK [%]	0.8	
KGD (5%)	1.1	
KGD (1%)	1.5	
Versuchs-Streuung	0.7	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1896 Vouvry	8046 Reckenholz ZH	8566 Ellighausen TG	
P9027	79.1 ---	85.7 ---	70.3 ----	81.3 ----	
RGT Planoxx	79.7 ----	86.0 ---	70.7 ----	82.3 ----	
Toutati CS	79.7 ----	86.3 ---	70.3 ----	82.3 ----	
DKC 3361	78.7 ---	85.3 --	70.0 ---	80.7 ----	
Kidemos KWS	79.9 ----	86.7 ---	71.3 ----	81.7 ----	
DKC 3595	80.0 ----	86.7 ---	71.3 ----	82.0 ----	
LG 31272	77.7 --	83.3 -	69.3 --	80.3 ---	
P8834	80.0 ----	86.7 ---	71.3 ----	82.0 ----	
SY Impulse	78.8 ---	85.0 --	70.3 ---	81.0 ---	
SY Enermax	80.9 ----	87.0 ----	72.7 ----	83.0 ----	
SY Fregat	82.1 ----	90.0 ----	72.0 ----	84.3 ----	
KXB9358	80.2 ---	87.0 ----	71.7 ----	82.0 ----	
KXB9433	82.6 ----	89.0 ----	74.0 ----	84.7 ----	
SY Amfora	79.2 ---	85.3 --	70.7 ---	81.7 ---	
X95P757	81.8 ----	88.0 ----	73.0 ----	84.3 ----	
Glumanda	79.9 ---	85.7 ---	71.7 ----	82.3 ----	
Gottardo KWS	76.1 -	83.0 -	67.7 -	77.7 -	
P9903	82.9 ----	90.0 ----	74.3 ----	84.3 ----	
P0725	86.9 ----	96.0 ----	76.7 ----	88.0 ----	
ES Gallery	79.7 ---	85.7 ---	71.3 ---	82.0 ---	
ES Faraday	80.8 ----	87.3 ---	72.0 ----	83.0 ----	
P9610	82.1 ----	88.7 ----	73.3 ----	84.3 ----	
Badiane	80.9 ----	87.3 ---	72.3 ----	83.0 ----	
DKC 5141	83.6 ----	91.0 ----	74.0 ----	85.7 ----	
-Bezugsgrösse(n)	79.8 ----	86.3 ---	71.0 ----	82.0 ----	
Versuchs-Mittel	80.5 ----	87.2 ---	71.8 ----	82.7 ----	
VK [%]	1.1	1.2	1.2	0.8	
KGD (5%)	0.8	1.8	1.4	1.1	
KGD (1%)	1.1	2.3	1.9	1.4	
Versuchs-Streuung	0.9	1.1	0.9	0.7	
FG Fehlerterm	138.0	46.0	46.0	46.0	
Anz. Beob.	9.0	3.0	3.0	3.0	
Varianz-Analyse	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	970.5	23	54.03 ***	1.61	0.0000
Anbauorte	9059.4	2	5799.86 ***	3.06	0.0000
WW Verf.*Anb.Orte	65.1	46	1.81 **	1.46	0.0045
Fehler	107.8	138			
Insgesamt	10202.7	209			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9027	259.1 ----	188.3 ----	263.3 ----	275.0 ----	282.7 ---
RGT Planox	261.3 ----	203.3 ----	273.3 ----	255.0 -	288.7 ----
Toutati CS	256.7 ----	176.7 --	271.7 ----	273.3 ----	280.7 ---
DKC 3361	246.9 -	173.3 -	251.7 -	255.0 -	277.3 --
Kidemos KWS	262.2 ----	190.0 ----	263.3 ----	281.7 ----	294.3 ----
DKC 3595	255.8 ---	186.7 ----	266.7 ----	266.7 ---	276.3 --
LG 31272	276.4 ----	213.3 ----	280.0 ----	281.7 ----	315.0 ----
P8834	262.7 ----	193.3 ----	270.0 ----	271.7 ----	293.0 ----
SY Impulse	269.8 ----	191.7 ----	283.3 ----	278.3 ----	301.3 ----
SY Enermax	280.2 ----	206.7 ----	285.0 ----	293.3 ----	302.3 ----
SY Fregat	268.3 ----	180.0 --	280.0 ----	291.7 ----	293.7 ----
KXB9358	262.6 ----	188.3 ----	266.7 ----	273.3 ----	291.7 ----
KXB9433	262.1 ----	196.7 ----	266.7 ----	271.7 ----	291.0 ----
SY Amfora	276.1 ----	220.0 ----	283.3 ----	283.3 ----	295.3 ----
X95P757	262.3 ----	195.0 ----	276.7 ----	263.3 ---	287.7 ----
Glumanda	256.1 ---	180.0 --	256.7 ---	280.0 ----	283.7 ---
Gottardo KWS	248.0 -	171.7 -	250.0 -	271.7 ----	276.3 --
P9903	268.4 ----	188.3 ----	278.3 ----	285.0 ----	290.3 ----
P0725	273.6 ----	196.7 ----	285.0 ----	296.7 ----	308.7 ----
ES Gallery	261.0 ----	195.0 ----	273.3 ----	275.0 ----	287.3 ----
ES Faraday	269.7 ----	190.0 ----	275.0 ----	283.3 ----	303.7 ----
P9610	266.0 ----	185.0 ---	281.7 ----	286.7 ----	288.3 ----
Badiane	254.9 ---	198.3 ----	265.0 ----	268.3 ----	271.7 -
DKC 5141	266.4 ----	188.3 ----	271.7 ----	278.3 ----	296.0 ----
-Bezugsgrösse(n)	261.8 ----	196.7 ----	268.3 ----	268.3 ----	291.5 ----
Versuchs-Mittel	263.6 ----	191.5 ----	271.6 ----	276.7 ----	290.7 ----
VK [%]	4.1	7.9	2.3	2.8	2.9
KGD (5%)	7.8	ns	10.3	12.8	13.7
KGD (1%)	10.3	ns	13.8	17.1	18.2
Versuchs-Streuung	10.9	15.2	6.3	7.8	8.3
FG Fehlerterm	230.0	46.0	46.0	46.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	24427.9	23	8.97 ***	1.58	0.0000
Anbauorte	485219.5	4	1024.54 ***	2.41	0.0000
WW Verf.*Anb.Orte	14546.4	92	1.34 ns	1.32	
Fehler	27231.9	230			
Insgesamt	551425.7	349			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	8566	
	Ellighausen TG	
P9027	286.3	----
RGT Planoxx	286.3	----
Toutati CS	281.3	---
DKC 3361	277.3	--
Kidemos KWS	281.7	---
DKC 3595	282.7	---
LG 31272	292.0	-----
P8834	285.3	----
SY Impulse	294.3	-----
SY Enermax	313.7	-----
SY Fregat	296.3	-----
KXB9358	293.0	-----
KXB9433	284.7	----
SY Amfora	298.3	-----
X95P757	289.0	-----
Glumanda	280.3	---
Gottardo KWS	270.3	-
P9903	300.0	-----
P0725	281.0	---
ES Gallery	274.3	--
ES Faraday	296.3	-----
P9610	288.3	-----
Badiane	271.3	-
DKC 5141	297.7	-----
-Bezugsgrösse(n)	284.0	----
Versuchs-Mittel	287.6	-----
VK [%]	4.8	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	13.9	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9027	127.7 -----	85.0 ----	130.0 -----	126.7 -----	151.0 -----
RGT Planox	128.3 -----	98.3 -----	130.0 -----	130.0 -----	145.0 -----
Toutati CS	123.6 ----	88.3 -----	135.0 -----	123.3 ----	146.3 -----
DKC 3361	117.7 ---	80.0 ---	121.7 ---	115.0 --	139.7 ----
Kidemos KWS	118.7 ---	83.3 ----	116.7 -	125.0 -----	145.0 -----
DKC 3595	122.1 ----	83.3 ----	133.3 -----	110.0 -	146.3 -----
LG 31272	135.5 -----	101.7 -----	141.7 -----	131.7 -----	153.3 -----
P8834	135.0 -----	103.3 -----	140.0 -----	128.3 -----	156.3 -----
SY Impulse	130.9 -----	93.3 -----	141.7 -----	120.0 ---	152.7 -----
SY Enermax	134.1 -----	96.7 -----	135.0 -----	138.3 -----	150.7 -----
SY Fregat	122.9 ----	73.3 -	133.3 -----	121.7 ----	146.0 -----
KXB9358	129.7 -----	91.7 -----	133.3 -----	131.7 -----	147.0 -----
KXB9433	122.8 ----	90.0 ----	130.0 ----	115.0 --	140.7 ----
SY Amfora	125.4 ----	98.3 -----	130.0 ----	113.3 --	142.0 ----
X95P757	128.5 -----	101.7 -----	131.7 ----	120.0 ----	147.0 -----
Glumanda	127.7 -----	93.3 -----	128.3 ----	133.3 -----	142.3 ----
Gottardo KWS	111.6 -	86.7 ----	115.0 -	113.3 --	124.7 -
P9903	125.6 ----	85.0 ----	136.7 -----	126.7 ----	143.7 ----
P0725	137.3 -----	98.3 -----	143.3 -----	128.3 -----	159.7 -----
ES Gallery	132.9 -----	101.7 -----	131.7 ----	128.3 -----	148.7 ----
ES Faraday	133.5 -----	93.3 -----	133.3 -----	136.7 -----	156.0 -----
P9610	131.1 -----	93.3 -----	138.3 -----	130.0 -----	141.7 ----
Badiane	129.7 -----	96.7 -----	133.3 -----	128.3 -----	143.7 ----
DKC 5141	126.2 ----	91.7 ----	126.7 ----	125.0 ----	143.0 ----
-Bezugsgrösse(n)	123.5 ----	90.8 -----	123.3 ----	127.5 -----	145.0 -----
Versuchs-Mittel	127.4 -----	92.0 -----	132.1 -----	125.0 -----	146.3 -----
VK [%]	6.7	8.8	5.6	6.9	6.5
KGD (5%)	6.1	13.4	12.1	14.2	ns
KGD (1%)	8.1	17.9	16.1	18.9	ns
Versuchs-Streuung	8.5	8.1	7.3	8.6	9.5
FG Fehlerterm	230.0	46.0	46.0	46.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13264.3	23	7.98 ***	1.58	0.0000
Anbauorte	132710.0	4	459.25 ***	2.41	0.0000
WW Verf.*Anb.Orte	8011.2	92	1.21 ns	1.32	
Fehler	16615.7	230			
Insgesamt	170601.1	349			

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

Verfahren	8566	
	Ellighausen TG	
P9027	146.0	-----
RGT Planoxx	138.0	-----
Toutati CS	125.0	--
DKC 3361	132.0	----
Kidemos KWS	123.3	--
DKC 3595	137.3	-----
LG 31272	149.0	-----
P8834	147.0	-----
SY Impulse	146.7	-----
SY Enermax	150.0	-----
SY Fregat	140.3	-----
KXB9358	144.7	-----
KXB9433	138.3	-----
SY Amfora	143.3	-----
X95P757	142.3	-----
Glumanda	141.0	-----
Gottardo KWS	118.3	-
P9903	136.0	----
P0725	156.7	-----
ES Gallery	154.0	-----
ES Faraday	148.3	-----
P9610	152.0	-----
Badiane	146.3	-----
DKC 5141	144.7	-----
-Bezugsgrösse(n)	130.7	----
Versuchs-Mittel	141.7	-----
VK [%]	6.2	
KGD (5%)	14.4	
KGD (1%)	19.2	
Versuchs-Streuung	8.8	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9027	49.0 -----	45.1 ----	49.4 -----	46.2 -----	53.5 -----
RGT Planox	49.2 -----	48.6 -----	47.6 -----	51.2 -----	50.3 -----
Toutati CS	48.3 -----	50.0 -----	49.7 -----	45.1 ----	52.1 -----
DKC 3361	47.6 ----	46.3 ----	48.3 ----	45.2 ----	50.4 ----
Kidemos KWS	45.1 -	43.9 ---	44.3 -	44.4 ----	49.3 ----
DKC 3595	47.6 ----	45.3 ----	50.0 -----	41.3 --	53.0 -----
LG 31272	49.0 -----	47.8 -----	50.6 -----	46.8 -----	48.6 ----
P8834	51.5 -----	53.5 -----	52.0 -----	47.2 -----	53.4 -----
SY Impulse	48.5 -----	48.6 -----	50.0 -----	43.2 --	50.7 ----
SY Enermax	47.8 ----	46.7 ----	47.3 ----	47.2 -----	49.9 ----
SY Fregat	45.5 -	40.8 -	47.7 ----	41.7 --	49.9 ----
KXB9358	49.3 -----	48.7 -----	50.0 -----	48.3 -----	50.4 ----
KXB9433	46.8 ---	45.8 ----	48.8 ----	42.3 --	48.3 ----
SY Amfora	45.4 -	44.8 ----	45.9 --	40.0 -	48.1 ----
X95P757	49.2 -----	52.5 -----	47.6 ----	45.5 ----	51.1 -----
Glumanda	50.0 -----	51.9 -----	50.0 -----	47.6 -----	50.2 ----
Gottardo KWS	45.4 -	50.4 -----	46.0 ---	41.7 --	45.1 -
P9903	46.7 ---	45.3 ----	49.1 -----	44.4 ----	49.5 ----
P0725	50.6 -----	50.1 -----	50.3 -----	43.2 ---	51.7 -----
ES Gallery	51.0 -----	52.4 -----	48.1 ----	46.6 -----	51.7 -----
ES Faraday	49.5 -----	49.1 -----	48.5 ----	48.2 -----	51.4 -----
P9610	49.4 -----	50.6 -----	49.1 -----	45.4 ----	49.1 ----
Badiane	50.8 -----	48.6 ----	50.4 -----	47.8 -----	52.9 -----
DKC 5141	47.4 ----	48.8 ----	46.6 ----	44.9 ----	48.3 ----
-Bezugsgrösse(n)	47.1 ----	46.2 -----	45.9 ---	47.8 -----	49.8 -----
Versuchs-Mittel	48.4 -----	48.2 -----	48.6 -----	45.2 ----	50.4 -----
VK [%]	7.4	7.9	6.0	7.3	7.0
KGD (5%)	2.6	6.3	ns	5.5	ns
KGD (1%)	3.4	ns	ns	ns	ns
Versuchs-Streuung	3.6	3.8	2.9	3.3	3.5
FG Fehlerterm	230.0	46.0	46.0	46.0	46.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1197.7	23	4.04 ***	1.58	0.0001
Anbauorte	1080.8	4	20.94 ***	2.41	0.0000
WW Verf.*Anb.Orte	1274.2	92	1.07 ns	1.32	
Fehler	2967.8	230			
Insgesamt	6520.5	349			

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

Verfahren	8566	
	Ellighausen TG	
P9027	51.0	-----
RGT Planoxx	48.2	----
Toutati CS	44.4	-
DKC 3361	47.6	---
Kidemos KWS	43.8	-
DKC 3595	48.6	----
LG 31272	51.0	-----
P8834	51.5	-----
SY Impulse	49.8	-----
SY Enermax	47.8	----
SY Fregat	47.4	---
KXB9358	49.3	-----
KXB9433	48.6	----
SY Amfora	47.9	----
X95P757	49.4	-----
Glumanda	50.3	-----
Gottardo KWS	43.7	-
P9903	45.3	--
P0725	57.5	-----
ES Gallery	56.2	-----
ES Faraday	50.1	----
P9610	52.8	-----
Badiane	54.1	-----
DKC 5141	48.6	----
-Bezugsgrösse(n)	46.0	--
Versuchs-Mittel	49.4	-----
VK [%]	8.6	
KGD (5%)	7.0	
KGD (1%)	ns	
Versuchs-Streuung	4.3	
FG Fehlerterm	46.0	
Anz. Beob.	3.0	

Green snapping [%] / Green snapping [%]

Verfahren	Seriemittel		1567 Delley FR	
P9027	4.2	--	4.2	--
RGT Planoxx	0.0	-	0.0	-
Toutati CS	8.3	----	8.3	----
DKC 3361	0.0	-	0.0	-
Kidemos KWS	0.0	-	0.0	-
DKC 3595	25.0	-----	25.0	-----
LG 31272	0.0	-	0.0	-
P8834	4.2	--	4.2	--
SY Impulse	0.0	-	0.0	-
SY Enermax	4.2	--	4.2	--
SY Fregat	0.0	-	0.0	-
KXB9358	8.3	----	8.3	----
KXB9433	0.0	-	0.0	-
SY Amfora	20.8	-----	20.8	-----
X95P757	0.0	-	0.0	-
Glumanda	0.0	-	0.0	-
Gottardo KWS	0.0	-	0.0	-
P9903	4.2	--	4.2	--
P0725	0.0	-	0.0	-
ES Gallery	8.3	----	8.3	----
ES Faraday	0.0	-	0.0	-
P9610	4.2	--	4.2	--
Badiane	0.0	-	0.0	-
DKC 5141	0.0	-	0.0	-
-Bezugsgrösse(n)	0.0	-	0.0	-
Versuchs-Mittel	3.8	--	3.8	--
VK [%]	167.0		167.0	
KGD (5%)	10.5		10.5	
KGD (1%)	14.0		14.0	
Versuchs-Streuung	6.4		6.4	
FG Fehlerterm	46.0		46.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9437 Balgach / SG
P9027	2.2 ---	0.0 -	0.0 -	6.1 ----	2.5 ---
RGT Planöxx	0.4 -	0.0 -	0.0 -	1.7 -	0.0 -
Toutati CS	1.0 --	0.0 -	0.0 -	3.2 --	0.9 -
DKC 3361	0.3 -	0.0 -	0.0 -	0.6 -	0.8 -
Kidemos KWS	1.3 --	0.0 -	0.0 -	3.3 --	1.8 --
DKC 3595	3.1 ----	0.0 -	0.0 -	10.8 ----	1.6 --
LG 31272	2.7 ---	0.6 -	0.0 -	5.0 ---	5.3 ----
P8834	9.6 -----	5.1 -----	3.3 -----	19.2 -----	10.7 -----
SY Impulse	2.0 ---	0.0 -	0.0 -	8.1 ----	0.0 -
SY Enermax	0.7 -	1.2 --	0.0 -	0.6 -	1.0 --
SY Fregat	4.6 ----	3.6 ----	0.0 -	13.9 ----	0.9 -
KXB9358	1.2 --	0.0 -	0.0 -	4.9 ---	0.0 -
KXB9433	0.4 -	0.0 -	0.0 -	1.6 -	0.0 -
SY Amfora	3.0 ----	7.7 -----	0.5 --	2.2 --	1.6 --
X95P757	0.9 -	0.0 -	0.0 -	1.1 -	2.5 ---
Glumanda	0.2 -	0.0 -	0.0 -	0.0 -	1.0 --
Gottardo KWS	0.3 -	0.0 -	0.6 --	0.6 -	0.0 -
P9903	4.5 ----	1.7 ---	0.0 -	13.0 ----	3.5 ----
P0725	1.4 --	0.0 -	0.0 -	2.8 --	2.6 ---
ES Gallery	0.7 -	0.0 -	0.6 --	0.5 -	1.7 --
ES Faraday	6.0 -----	0.0 -	1.1 ----	19.7 -----	3.1 ---
P9610	0.1 -	0.6 -	0.0 -	0.0 -	0.0 -
Badiane	1.6 --	0.0 -	0.0 -	4.9 ---	1.7 --
DKC 5141	2.8 ---	0.0 -	0.6 --	9.7 ----	0.9 -
-Bezugsgrösse(n)	0.8 -	0.0 -	0.0 -	2.5 --	0.9 -
Versuchs-Mittel	2.1 ---	0.8 --	0.3 -	5.6 ---	1.8 --
VK [%]	164.4	216.2	313.2	107.4	136.9
KGD (5%)	2.9	3.0	1.4	9.8	ns
KGD (1%)	3.9	4.0	ns	13.1	ns
Versuchs-Streuung	3.5	1.8	0.9	6.0	2.5
FG Fehlerterm	161.0	46.0	46.0	46.0	23.0
Anz. Beob.	11.0	3.0	3.0	3.0	2.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1250.3	23	4.43 ***	1.60	0.0000
Anbauorte	1115.9	3	30.34 ***	2.66	0.0000
WW Verf.*Anb.Orte	1564.5	69	1.85 ***	1.38	0.0008
Fehler	1974.2	161			
Insgesamt	5904.9	256			

Plantes cassées à la récolte [note] / Stängelbruch Ernte [Note]

Verfahren	Seriemittel		1567 Delley FR	
P9027	1.3	----	1.3	----
RGT Planoxx	1.0	-	1.0	-
Toutati CS	1.3	----	1.3	----
DKC 3361	1.0	-	1.0	-
Kidemos KWS	1.3	----	1.3	----
DKC 3595	2.0	-----	2.0	-----
LG 31272	1.0	-	1.0	-
P8834	1.3	----	1.3	----
SY Impulse	1.0	-	1.0	-
SY Enermax	1.0	-	1.0	-
SY Fregat	1.0	-	1.0	-
KXB9358	1.0	-	1.0	-
KXB9433	1.3	----	1.3	----
SY Amfora	2.0	-----	2.0	-----
X95P757	1.0	-	1.0	-
Glumanda	1.0	-	1.0	-
Gottardo KWS	1.0	-	1.0	-
P9903	1.0	-	1.0	-
P0725	1.0	-	1.0	-
ES Gallery	1.3	----	1.3	----
ES Faraday	1.3	----	1.3	----
P9610	1.3	----	1.3	----
Badiane	1.0	-	1.0	-
DKC 5141	1.0	-	1.0	-
-Bezugsgrösse(n)	1.2	--	1.2	--
Versuchs-Mittel	1.2	---	1.2	---
VK [%]	37.5		37.5	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.4		0.4	
FG Fehlerterm	46.0		46.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
P9027	2.5 ---	4.2 ----	0.0 -	0.6 ---	5.5 --
RGT Planoxx	1.4 --	0.0 -	1.6 -----	0.0 -	0.6 -
Toutati CS	1.7 --	4.2 ----	0.0 -	0.0 -	0.5 -
DKC 3361	0.5 -	0.0 -	1.1 -----	0.0 -	0.6 -
Kidemos KWS	1.2 --	4.2 ----	1.7 -----	0.0 -	0.0 -
DKC 3595	4.4 ----	12.5 -----	0.5 ---	0.0 -	4.6 --
LG 31272	1.4 --	0.0 -	1.1 -----	2.1 -----	2.2 -
P8834	3.7 ---	4.2 ----	1.2 -----	0.0 -	9.5 ---
SY Impulse	1.1 -	0.0 -	0.0 -	0.0 -	3.6 -
SY Enermax	0.4 -	0.0 -	0.5 ---	0.0 -	1.7 -
SY Fregat	1.4 --	0.0 -	1.2 -----	1.1 -----	4.7 --
KXB9358	1.3 --	0.0 -	1.1 -----	0.0 -	2.2 -
KXB9433	1.7 --	4.2 ----	0.0 -	0.0 -	0.6 -
SY Amfora	12.9 -----	12.5 -----	2.2 -----	0.0 -	44.6 -----
X95P757	0.4 -	0.0 -	0.0 -	0.5 ---	0.0 -
Glumanda	0.5 -	0.0 -	0.5 ---	0.0 -	1.1 -
Gottardo KWS	1.3 --	0.0 -	2.2 -----	1.7 -----	1.7 -
P9903	2.1 --	0.0 -	0.6 ---	0.6 ---	5.2 --
P0725	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
ES Gallery	1.6 --	4.2 ----	0.0 -	0.0 -	2.2 -
ES Faraday	3.2 ---	4.2 ----	1.6 -----	0.5 ---	7.6 --
P9610	1.0 -	4.2 ----	0.0 -	0.0 -	0.6 -
Badiane	0.4 -	0.0 -	0.5 ---	0.5 ---	0.0 -
DKC 5141	0.2 -	0.0 -	0.0 -	0.0 -	0.0 -
-Bezugsgrösse(n)	1.3 --	2.1 --	1.6 -----	0.0 -	0.3 -
Versuchs-Mittel	1.9 --	2.4 ---	0.7 ----	0.3 --	4.1 --
VK [%]	235.8	230.3	161.1	267.6	182.0
KGD (5%)	3.4	ns	ns	ns	12.4
KGD (1%)	4.5	ns	ns	ns	16.5
Versuchs-Streuung	4.5	5.6	1.2	0.9	7.5
FG Fehlerterm	207.0	46.0	46.0	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	2133.8	23	4.49 ***	1.58	0.0000
Anbauorte	615.6	4	7.44 ***	2.42	0.0001
WW Verf.*Anb.Orte	4185.9	92	2.20 ***	1.33	0.0004
Fehler	4281.6	207			
Insgesamt	11216.9	326			

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

Verfahren	9437	
	Balgach / SG	
P9027	2.3	----
RGT Planoxx	4.6	-----
Toutati CS	3.7	-----
DKC 3361	0.9	--
Kidemos KWS	0.0	-
DKC 3595	4.2	-----
LG 31272	1.8	----
P8834	3.6	-----
SY Impulse	1.9	----
SY Enermax	0.0	-
SY Fregat	0.0	-
KXB9358	3.2	-----
KXB9433	3.5	-----
SY Amfora	5.0	-----
X95P757	1.7	----
Glumanda	1.0	---
Gottardo KWS	0.9	--
P9903	4.2	-----
P0725	0.0	-
ES Gallery	1.7	----
ES Faraday	2.3	----
P9610	0.0	-
Badiane	1.0	---
DKC 5141	0.9	--
-Bezugsgrösse(n)	2.3	----
Versuchs-Mittel	2.0	----
VK [%]	117.4	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	2.4	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

Fusariose [note] / Stängelfäule [Note]

Verfahren	Seriemittel	1567 Delley FR
P9027	4.7 -----	4.7 -----
RGT Planoxx	1.7 --	1.7 --
Toutati CS	4.3 -----	4.3 -----
DKC 3361	1.0 -	1.0 -
Kidemos KWS	4.0 -----	4.0 -----
DKC 3595	2.7 ----	2.7 ----
LG 31272	1.0 -	1.0 -
P8834	1.0 -	1.0 -
SY Impulse	1.0 -	1.0 -
SY Enermax	1.7 --	1.7 --
SY Fregat	4.3 -----	4.3 -----
KXB9358	2.7 ----	2.7 ----
KXB9433	4.0 -----	4.0 -----
SY Amfora	1.3 --	1.3 --
X95P757	1.3 --	1.3 --
Glumanda	1.0 -	1.0 -
Gottardo KWS	1.7 --	1.7 --
P9903	1.3 --	1.3 --
P0725	1.0 -	1.0 -
ES Gallery	2.0 ---	2.0 ---
ES Faraday	1.0 -	1.0 -
P9610	1.3 --	1.3 --
Badiane	1.3 --	1.3 --
DKC 5141	1.0 -	1.0 -
-Bezugsgrösse(n)	2.8 -----	2.8 -----
Versuchs-Mittel	2.0 ---	2.0 ---
VK [%]	57.9	57.9
KGD (5%)	1.9	1.9
KGD (1%)	2.6	2.6
Versuchs-Streuung	1.2	1.2
FG Fehlerterm	46.0	46.0
Anz. Beob.	3.0	3.0

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG
P9027	14.3 -----	45.8 -----	5.2 ---	0.6 ---	4.9 --
RGT Planoxx	5.4 ----	8.3 --	13.4 -----	0.0 -	1.6 -
Toutati CS	16.0 -----	41.7 -----	17.9 -----	0.0 -	7.0 ---
DKC 3361	1.7 --	0.0 -	4.4 ---	1.1 -----	1.1 -
Kidemos KWS	8.7 -----	37.5 -----	4.5 ---	1.0 -----	0.6 -
DKC 3595	13.9 -----	20.8 ----	12.7 -----	0.0 -	32.6 -----
LG 31272	2.0 --	0.0 -	2.2 --	1.1 -----	3.8 --
P8834	0.2 -	0.0 -	1.1 -	0.0 -	0.0 -
SY Impulse	2.9 --	0.0 -	5.3 ----	0.0 -	3.6 --
SY Enermax	2.3 --	8.3 --	0.6 -	0.0 -	0.6 -
SY Fregat	13.5 -----	41.7 -----	11.6 -----	0.6 ---	11.8 ----
KXB9358	4.9 ----	20.8 ----	0.6 -	0.0 -	2.2 -
KXB9433	12.9 -----	37.5 -----	3.3 --	0.0 -	2.6 -
SY Amfora	2.5 --	4.2 --	6.7 ----	0.0 -	1.1 -
X95P757	1.1 -	4.2 --	0.6 -	0.0 -	0.0 -
Glumanda	0.7 -	0.0 -	0.0 -	0.0 -	2.4 -
Gottardo KWS	5.4 ----	8.3 --	3.9 ---	0.6 ---	5.1 --
P9903	4.7 ----	4.2 --	5.1 ---	2.2 -----	7.6 ---
P0725	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
ES Gallery	5.7 ----	12.5 ---	8.4 -----	0.0 -	7.4 ---
ES Faraday	1.3 -	0.0 -	3.2 --	0.0 -	3.4 --
P9610	0.9 -	4.2 --	0.0 -	0.0 -	0.5 -
Badiane	5.0 ----	4.2 --	12.5 -----	0.0 -	5.0 --
DKC 5141	0.6 -	0.0 -	1.6 --	0.0 -	1.1 -
-Bezugsgrösse(n)	7.1 -----	22.9 -----	9.0 -----	0.5 ---	1.1 -
Versuchs-Mittel	5.3 ----	12.7 ---	5.2 ----	0.3 --	4.4 --
VK [%]	158.1	115.1	149.1	369.9	111.7
KGD (5%)	6.2	24.0	ns	ns	8.1
KGD (1%)	8.2	32.0	ns	ns	10.8
Versuchs-Streuung	8.3	14.6	7.8	1.1	4.9
FG Fehlerterm	207.0	46.0	46.0	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	8427.7	23	5.28 ***	1.58	0.0000
Anbauorte	5546.0	4	19.97 ***	2.42	0.0000
WW Verf.*Anb.Orte	14424.7	92	2.26 ***	1.33	0.0003
Fehler	14372.1	207			
Insgesamt	42770.5	326			

Fusariose [%] / Stängelfäule [%]

Verfahren	9437	
	Balgach / SG	
P9027	14.8	-----
RGT Planoxx	3.6	--
Toutati CS	13.6	-----
DKC 3361	1.8	-
Kidemos KWS	0.0	-
DKC 3595	3.2	--
LG 31272	2.7	--
P8834	0.0	-
SY Impulse	5.7	---
SY Enermax	1.9	--
SY Fregat	1.8	-
KXB9358	0.8	-
KXB9433	20.8	-----
SY Amfora	0.8	-
X95P757	0.8	-
Glumanda	1.0	-
Gottardo KWS	8.8	-----
P9903	4.4	---
P0725	0.0	-
ES Gallery	0.0	-
ES Faraday	0.0	-
P9610	0.0	-
Badiane	3.5	--
DKC 5141	0.0	-
-Bezugsgrösse(n)	1.8	-
Versuchs-Mittel	3.8	--
VK [%]	140.6	
KGD (5%)	10.9	
KGD (1%)	ns	
Versuchs-Streuung	5.3	
FG Fehlerterm	23.0	
Anz. Beob.	2.0	

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten
P9027	2.9 -----	2.7 -----	2.7 -----	3.3 -----
RGT Planöxx	3.0 -----	2.7 -----	3.3 -----	3.0 -----
Toutati CS	2.6 ---	2.0 -	3.0 -----	2.7 ---
DKC 3361	3.4 -----	3.0 -----	3.7 -----	3.7 -----
Kidemos KWS	2.1 -	2.0 -	2.3 ---	2.0 -
DKC 3595	3.1 -----	2.7 -----	3.7 -----	3.0 -----
LG 31272	2.3 ---	2.3 ---	2.7 -----	2.0 -
P8834	2.7 -----	2.0 -	2.7 -----	3.3 -----
SY Impulse	2.3 ---	2.0 -	2.0 -	3.0 -----
SY Enermax	2.4 -----	2.7 -----	2.3 ---	2.3 ---
SY Fregat	2.4 -----	2.3 ---	2.0 -	3.0 -----
KXB9358	2.6 -----	2.3 ---	2.3 ---	3.0 -----
KXB9433	3.0 -----	3.3 -----	2.3 ---	3.3 -----
SY Amfora	2.7 -----	2.7 -----	2.3 ---	3.0 -----
X95P757	2.0 -	2.0 -	2.0 -	2.0 -
Glumanda	2.4 -----	2.0 -	3.0 -----	2.3 ---
Gottardo KWS	2.6 -----	2.3 ---	3.0 -----	2.3 ---
P9903	2.0 -	2.0 -	2.0 -	2.0 -
P0725	2.0 -	2.0 -	2.0 -	2.0 -
ES Gallery	2.2 --	2.0 -	2.7 -----	2.0 -
ES Faraday	2.2 --	2.0 -	2.7 -----	2.0 -
P9610	2.3 ---	2.3 ---	2.7 -----	2.0 -
Badiane	2.4 -----	2.3 ---	2.7 -----	2.3 ---
DKC 5141	2.0 -	2.0 -	2.0 -	2.0 -
-Bezugsgrösse(n)	2.6 ---	2.3 ---	2.8 -----	2.5 ---
Versuchs-Mittel	2.5 ---	2.3 ---	2.6 ---	2.6 ---
VK [%]	18.5	22.6	19.1	13.4
KGD (5%)	0.4	ns	0.8	0.6
KGD (1%)	0.6	ns	1.1	0.8
Versuchs-Streuung	0.5	0.5	0.5	0.3
FG Fehlerterm	138.0	46.0	46.0	46.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	30.4	23	6.22 ***	1.61	0.0000
Anbauorte	3.2	2	7.46 ***	3.06	0.0008
WW Verf.*Anb.Orte	18.4	46	1.88 **	1.46	0.0028
Fehler	29.4	138			
Insgesamt	81.3	209			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
P9027	2.0 -----	4.3 ---	0.0 -	3.4 ---	1.1 ---
RGT Planox	2.1 -----	2.3 --	0.0 -	4.6 ----	1.6 ----
Toutati CS	2.3 -----	5.5 ----	1.3 -----	4.3 ----	1.6 ---
DKC 3361	2.0 -----	4.4 ---	0.0 -	3.9 ----	2.2 -----
Kidemos KWS	3.8 -----	15.8 -----	0.0 -	4.7 ----	1.1 ---
DKC 3595	0.8 ---	0.4 -	0.4 --	1.6 --	0.0 -
LG 31272	0.8 --	2.0 --	0.4 ---	1.3 --	0.0 -
P8834	2.6 -----	3.0 ---	0.4 ---	3.4 ---	1.7 ----
SY Impulse	3.4 -----	5.7 ----	0.0 -	12.2 -----	3.5 -----
SY Enermax	0.3 -	0.0 -	0.0 -	0.8 -	0.6 --
SY Fregat	1.3 ----	2.5 --	0.0 -	4.7 ----	0.6 --
KXB9358	3.0 -----	2.4 --	1.1 -----	2.4 ---	5.6 -----
KXB9433	3.5 -----	1.6 --	2.0 -----	10.1 -----	1.7 ----
SY Amfora	2.3 ----	3.8 ---	2.0 -----	2.4 ---	2.8 ----
X95P757	2.1 -----	1.7 --	0.0 -	1.6 --	1.2 ---
Glumanda	2.0 -----	2.7 --	0.4 --	3.4 ---	0.5 --
Gottardo KWS	2.2 -----	7.2 -----	0.0 -	5.0 ----	1.6 ---
P9903	0.3 -	0.8 -	0.0 -	0.0 -	0.0 -
P0725	3.9 -----	6.9 ----	0.4 ---	2.4 ---	1.9 ----
ES Gallery	0.3 -	1.5 --	0.0 -	0.4 -	0.0 -
ES Faraday	0.6 --	0.4 -	0.4 ---	0.4 -	0.0 -
P9610	0.5 --	0.6 -	0.0 -	0.9 -	0.6 --
Badiane	0.1 -	0.0 -	0.0 -	0.0 -	0.0 -
DKC 5141	2.0 -----	1.4 -	0.0 -	6.2 -----	2.2 ----
-Bezugsgrösse(n)	3.0 -----	9.0 -----	0.0 -	4.6 ----	1.4 ---
Versuchs-Mittel	1.8 ----	3.2 ---	0.4 --	3.3 ---	1.3 ---
VK [%]	132.2	107.7	227.3	77.0	137.0
KGD (5%)	1.5	6.6	ns	4.2	ns
KGD (1%)	2.0	8.8	ns	5.6	ns
Versuchs-Streuung	2.4	4.0	0.8	2.6	1.8
FG Fehlerterm	295.0	42.0	46.0	46.0	46.0
Anz. Beob.	20.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	639.6	23	4.70 ***	1.57	0.0000
Anbauorte	509.2	6	14.33 ***	2.13	0.0000
WW Verf.*Anb.Orte	1534.1	138	1.88 ***	1.26	0.0006
Fehler	1747.0	295			
Insgesamt	4430.0	462			

Charbon [%] / Beulenbrand [%]

Verfahren	8194 Hüntwangen ZH		8566 Ellighausen TG		9437 Balgach / SG	
P9027	1.1	--	3.4	-----	0.9	--
RGT Planoxx	1.8	---	3.8	-----	0.9	--
Toutati CS	1.1	--	1.6	----	0.9	--
DKC 3361	1.1	--	2.2	----	0.0	-
Kidemos KWS	3.1	-----	2.2	-----	0.0	-
DKC 3595	2.1	---	1.1	---	0.0	-
LG 31272	0.6	-	1.1	---	0.0	-
P8834	6.5	-----	2.9	-----	0.0	-
SY Impulse	0.0	-	1.7	----	0.9	--
SY Enermax	0.6	-	0.0	-	0.0	-
SY Fregat	0.0	-	1.2	---	0.0	-
KXB9358	6.7	-----	2.2	-----	0.8	--
KXB9433	3.3	----	3.9	-----	1.8	---
SY Amfora	0.0	-	4.9	-----	0.0	-
X95P757	6.0	-----	2.3	-----	1.7	---
Glumanda	1.6	---	3.5	-----	1.9	---
Gottardo KWS	0.0	-	1.6	----	0.0	-
P9903	1.2	--	0.0	-	0.0	-
P0725	7.6	-----	0.0	-	8.0	-----
ES Gallery	0.0	-	0.6	--	0.0	-
ES Faraday	0.0	-	0.6	--	2.5	----
P9610	1.6	---	0.0	-	0.0	-
Badiane	0.5	-	0.0	-	0.0	-
DKC 5141	0.6	-	2.9	-----	0.9	--
-Bezugsgrösse(n)	2.4	----	3.0	-----	0.5	-
Versuchs-Mittel	2.0	---	1.8	----	0.9	--
VK [%]	128.7		114.8		229.1	
KGD (5%)	4.1		ns		ns	
KGD (1%)	5.5		ns		ns	
Versuchs-Streuung	2.5		2.1		2.0	
FG Fehlerterm	46.0		46.0		23.0	
Anz. Beob.	3.0		3.0		2.0	

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

Verfahren	Seriemittel	1261 Nyon	1896 Vouvry	3065 Habstetten
P9027	1.5 ---	3.0 ----	1.2 ---	0.4 --
RGT Planoxx	2.2 -----	4.3 -----	1.5 ----	0.8 ----
Toutati CS	1.2 ---	1.6 ---	0.9 ---	1.2 -----
DKC 3361	1.9 -----	3.1 -----	2.4 -----	0.0 -
Kidemos KWS	2.2 -----	3.6 -----	3.1 -----	0.0 -
DKC 3595	1.7 -----	3.0 -----	1.9 -----	0.0 -
LG 31272	2.6 -----	2.9 -----	3.5 -----	1.3 -----
P8834	1.4 ---	3.1 ----	1.2 ---	0.0 -
SY Impulse	2.3 -----	3.8 -----	2.8 -----	0.4 --
SY Enermax	3.0 -----	3.5 -----	4.1 -----	1.3 -----
SY Fregat	1.7 -----	1.7 ---	3.3 -----	0.0 -
KXB9358	2.3 -----	6.3 -----	0.0 -	0.5 ---
KXB9433	0.6 -	1.1 --	0.8 ---	0.0 -
SY Amfora	1.3 ---	1.5 ---	0.0 -	2.4 -----
X95P757	1.4 ---	1.9 ---	2.4 -----	0.0 -
Glumanda	0.8 -	0.0 -	2.0 -----	0.5 ---
Gottardo KWS	2.5 -----	3.8 -----	2.1 -----	1.7 -----
P9903	1.8 -----	2.6 -----	2.9 -----	0.0 -
P0725	1.4 ---	2.9 -----	1.2 ---	0.0 -
ES Gallery	1.3 ---	2.3 ---	1.5 ---	0.0 -
ES Faraday	1.9 -----	2.5 -----	3.1 -----	0.0 -
P9610	1.4 ---	0.4 -	3.9 -----	0.0 -
Badiane	1.5 -----	1.2 ---	3.4 -----	0.0 -
DKC 5141	1.7 -----	4.1 -----	0.5 --	0.4 --
-Bezugsgrösse(n)	2.2 -----	3.9 -----	2.3 -----	0.4 --
Versuchs-Mittel	1.7 -----	2.7 -----	2.1 -----	0.4 ---
VK [%]	98.3	74.1	98.0	180.9
KGD (5%)	ns	ns	ns	1.3
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	1.7	2.0	2.0	0.8
FG Fehlerterm	138.0	46.0	46.0	46.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	65.0	23	0.97	ns	1.61	0.5029
Anbauorte	191.3	2	32.93	***	3.06	0.0000
WW Verf.*Anb.Orte	197.1	46	1.48	*	1.46	0.0446
Fehler	400.9	138				
Insgesamt	854.4	209				

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
P9027	4.3 -----	4.3 -----
RGT Planoxx	3.7 ----	3.7 ----
Toutati CS	4.3 -----	4.3 -----
DKC 3361	2.3 -	2.3 -
Kidemos KWS	4.3 -----	4.3 -----
DKC 3595	4.3 -----	4.3 -----
LG 31272	4.3 -----	4.3 -----
P8834	5.0 -----	5.0 -----
SY Impulse	5.0 -----	5.0 -----
SY Enermax	5.3 -----	5.3 -----
SY Fregat	5.0 -----	5.0 -----
KXB9358	5.7 -----	5.7 -----
KXB9433	6.0 -----	6.0 -----
SY Amfora	3.7 ----	3.7 ----
X95P757	3.7 ----	3.7 ----
Glumanda	4.3 -----	4.3 -----
Gottardo KWS	4.3 -----	4.3 -----
P9903	4.3 -----	4.3 -----
P0725	4.7 -----	4.7 -----
ES Gallery	4.3 -----	4.3 -----
ES Faraday	4.0 ----	4.0 ----
P9610	5.0 -----	5.0 -----
Badiane	3.0 --	3.0 --
DKC 5141	2.7 --	2.7 --
-Bezugsgrösse(n)	4.0 ----	4.0 ----
Versuchs-Mittel	4.3 -----	4.3 -----
VK [%]	20.1	20.1
KGD (5%)	1.4	1.4
KGD (1%)	1.9	1.9
Versuchs-Streuung	0.9	0.9
FG Fehlerterm	46.0	46.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1261 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9027	8.4 -----	8.8 -----	7.5 -	8.5 -----	8.0 ----
RGT Planoxx	8.4 -----	8.7 -----	7.5 -	8.7 -----	8.0 ----
Toutati CS	8.3 ----	8.3 ----	7.5 -	8.0 ---	8.0 ----
DKC 3361	8.4 -----	8.4 -----	7.5 -	8.3 ----	8.4 -----
Kidemos KWS	8.6 -----	8.6 -----	7.5 -	8.9 -----	8.4 -----
DKC 3595	8.5 -----	8.6 -----	7.5 -	8.7 -----	8.1 ----
LG 31272	8.4 -----	8.2 ----	7.5 -	8.2 ----	8.3 -----
P8834	8.2 ---	7.6 -	7.5 -	8.3 -----	7.8 ---
SY Impulse	8.0 -	8.0 ---	7.5 -	8.1 ---	7.6 -
SY Enermax	8.2 ---	8.3 ----	7.5 -	8.1 ----	8.0 ----
SY Fregat	8.1 ---	7.8 --	7.5 -	8.3 ----	7.9 ---
KXB9358	8.6 -----	8.5 -----	7.5 -	8.9 -----	7.9 ----
KXB9433	8.4 -----	8.6 -----	7.5 -	8.1 ----	8.3 -----
SY Amfora	8.6 -----	9.2 -----	7.5 -	8.8 -----	8.4 -----
X95P757	8.4 -----	8.5 -----	7.5 -	8.2 ----	8.4 -----
Glumanda	8.2 ----	8.5 -----	7.5 -	8.5 -----	7.6 -
Gottardo KWS	8.3 ----	8.1 ----	7.5 -	8.3 -----	8.1 ----
P9903	8.0 -	7.6 -	7.5 -	8.0 ---	7.5 -
P0725	8.1 ---	7.9 ---	7.5 -	8.3 -----	8.4 -----
ES Gallery	8.6 -----	8.8 -----	7.5 -	8.8 -----	8.7 -----
ES Faraday	8.6 -----	9.1 -----	7.5 -	8.4 -----	8.8 -----
P9610	8.1 --	8.3 ----	7.5 -	7.7 -	7.9 ---
Badiane	8.5 -----	8.5 -----	7.5 -	8.9 -----	8.6 -----
DKC 5141	8.2 ----	8.4 -----	7.5 -	7.9 --	8.2 ----
-Bezugsgrösse(n)	8.5 -----	8.6 -----	7.5 -	8.8 -----	8.2 -----
Versuchs-Mittel	8.3 -----	8.4 -----	7.5 -	8.4 -----	8.1 ----
VK [%]	4.6	5.5	0.0	5.0	5.4
KGD (5%)	0.2	0.8	0.0	0.7	ns
KGD (1%)	0.3	1.0	0.0	ns	ns
Versuchs-Streuung	0.4	0.5	0.0	0.4	0.4
FG Fehlerterm	345.0	46.0	46.0	46.0	46.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	20.4	23	5.92	***	1.56	0.0000
Anbauorte	67.8	7	64.52	***	2.04	0.0000
WW Verf.*Anb.Orte	24.3	161	1.01	ns	1.24	
Fehler	51.8	345				
Insgesamt	164.3	536				

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

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9437 Balgach / SG
P9027	8.5 ----	8.6 ----	8.6 ----	8.8 -----
RGT Planoxx	8.4 ----	8.9 -----	8.8 -----	8.0 ---
Toutati CS	8.7 -----	8.7 ----	8.9 -----	7.9 --
DKC 3361	8.7 -----	8.7 ----	8.7 ----	8.6 -----
Kidemos KWS	8.6 -----	9.1 -----	8.8 -----	8.5 -----
DKC 3595	8.6 -----	8.9 -----	8.8 -----	8.8 -----
LG 31272	8.6 -----	9.0 -----	8.8 -----	8.3 ----
P8834	8.5 ----	8.6 ----	8.5 --	8.4 ----
SY Impulse	8.3 ---	8.4 --	8.4 -	7.7 -
SY Enermax	8.4 ----	8.4 ---	8.6 ---	7.8 --
SY Fregat	8.4 ----	8.5 ---	8.5 --	8.3 ----
KXB9358	8.6 -----	9.3 -----	8.8 -----	9.0 -----
KXB9433	8.5 ----	9.0 -----	9.1 -----	8.3 ----
SY Amfora	8.7 -----	8.8 ----	8.7 ----	8.6 -----
X95P757	8.5 ----	8.9 -----	8.6 ---	8.3 ----
Glumanda	8.5 ----	8.9 -----	8.5 --	7.8 -
Gottardo KWS	8.7 -----	8.5 ---	8.5 --	8.3 ----
P9903	8.5 ----	8.5 ---	8.5 --	8.1 ----
P0725	8.1 -	8.2 -	8.5 --	7.9 --
ES Gallery	8.8 -----	8.8 ----	8.7 -----	8.7 -----
ES Faraday	9.0 -----	8.9 -----	8.6 ----	8.6 -----
P9610	8.3 ---	8.5 ---	8.5 --	8.0 ---
Badiane	8.8 -----	9.0 -----	8.9 -----	8.0 ---
DKC 5141	8.7 -----	8.6 ----	8.4 -	8.2 ----
-Bezugsgrösse(n)	8.5 ----	9.0 -----	8.8 -----	8.3 ----
Versuchs-Mittel	8.6 -----	8.7 ----	8.7 ----	8.3 ----
VK [%]	4.3	4.0	4.5	6.2
KGD (5%)	ns	0.6	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	0.4	0.3	0.4	0.5
FG Fehlerterm	46.0	46.0	46.0	23.0
Anz. Beob.	3.0	3.0	3.0	2.0

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

Verfahren	Seriemittel	1261 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9027	150.2 ---	127.0 -----	141.3 ----	170.3 -	158.2 ---
RGT Planoxx	149.7 --	117.6 ----	142.0 ----	179.1 ---	151.1 -
Toutati CS	148.4 --	116.0 ----	134.1 --	174.1 --	152.4 -
DKC 3361	145.3 -	102.2 -	139.8 ---	171.5 -	153.6 -
Kidemos KWS	158.2 -----	114.1 ---	144.6 -----	185.1 -----	165.4 -----
DKC 3595	157.3 -----	130.6 -----	144.4 -----	184.9 -----	168.1 -----
LG 31272	161.3 -----	127.5 -----	148.2 -----	175.2 --	175.5 -----
P8834	166.4 -----	136.2 -----	150.2 -----	206.2 -----	165.2 ----
SY Impulse	159.7 -----	119.2 ----	141.0 ----	184.0 ----	166.9 ----
SY Enermax	160.2 -----	142.2 -----	145.9 ----	188.2 -----	169.9 ----
SY Fregat	159.4 -----	131.1 -----	133.7 -	184.1 ----	170.7 -----
KXB9358	162.6 -----	132.7 -----	137.4 ---	187.4 ----	171.7 -----
KXB9433	151.5 ---	118.7 ----	130.8 -	186.8 ----	160.3 ---
SY Amfora	169.3 -----	138.3 -----	154.1 -----	193.0 -----	185.0 -----
X95P757	164.0 -----	146.8 -----	153.3 -----	191.3 -----	170.6 -----
Glumanda	155.9 ----	123.7 ----	142.4 ----	183.5 ----	152.5 -
Gottardo KWS	152.3 ---	115.6 ----	140.2 ---	172.9 -	163.9 ----
P9903	166.2 -----	147.4 -----	152.4 -----	203.8 -----	181.3 -----
P0725	167.1 -----	130.2 ----	165.5 -----	196.7 -----	177.1 -----
ES Gallery	159.3 -----	128.7 ----	144.8 ----	191.1 ----	165.9 ----
ES Faraday	161.1 -----	134.8 -----	147.4 ----	182.9 ----	166.0 ----
P9610	170.0 -----	123.7 ----	156.9 -----	203.3 -----	178.2 -----
Badiane	158.4 ----	147.2 -----	137.3 --	183.5 ----	161.9 ----
DKC 5141	161.1 -----	143.2 -----	152.6 -----	187.4 ----	157.4 --
-Bezugsgrösse(n)	153.9 ----	115.9 ----	143.3 ----	182.1 ----	158.3 ---
Versuchs-Mittel	159.0 -----	128.9 -----	145.0 -----	186.1 -----	166.2 -----
VK [%]	5.5	10.6	4.3	4.4	4.4
KGD (5%)	5.0	22.4	10.2	13.4	12.1
KGD (1%)	6.7	ns	13.6	17.8	16.1
Versuchs-Streuung	8.7	13.6	6.2	8.1	7.3
FG Fehlerterm	341.0	42.0	46.0	46.0	46.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	23802.5	23	13.65 ***	1.56	0.0000
Anbauorte	156009.2	7	294.07 ***	2.04	0.0000
WW Verf.*Anb.Orte	19118.9	161	1.57 ns	1.24	
Fehler	25843.8	341			
Insgesamt	224774.4	532			

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

Verfahren	8046 Reckenholz ZH		8194 Hüntwangen ZH		8566 Ellighausen TG		9437 Balgach / SG	
P9027	166.5	--	141.5	---	154.3	--	142.2	-
RGT Planöxx	160.7	-	136.8	--	153.8	--	156.1	-----
Toutati CS	168.9	---	140.0	---	151.7	-	150.0	---
DKC 3361	169.6	---	130.8	-	151.8	-	143.1	-
Kidemos KWS	175.9	-----	157.7	-----	157.7	----	165.2	-----
DKC 3595	175.3	-----	150.1	-----	151.5	-	153.7	-----
LG 31272	188.6	-----	151.5	-----	163.7	-----	160.5	-----
P8834	183.2	-----	159.2	-----	162.8	-----	168.0	-----
SY Impulse	179.7	-----	152.0	-----	171.9	-----	162.7	-----
SY Enermax	173.1	-----	149.8	-----	155.2	---	157.3	-----
SY Fregat	176.1	-----	156.9	-----	160.5	-----	162.3	-----
KXB9358	178.8	-----	168.0	-----	156.8	----	168.1	-----
KXB9433	170.1	----	148.5	----	151.8	-	144.8	--
SY Amfora	191.8	-----	157.6	-----	167.2	-----	167.7	-----
X95P757	182.6	-----	162.7	-----	152.6	--	152.5	----
Glumanda	173.6	-----	150.1	-----	153.2	--	168.3	-----
Gottardo KWS	170.7	----	140.7	---	154.9	---	159.7	-----
P9903	180.8	-----	156.8	-----	150.5	-	156.9	-----
P0725	185.3	-----	150.3	-----	165.3	-----	166.7	-----
ES Gallery	170.8	----	152.4	-----	155.5	---	164.8	-----
ES Faraday	180.8	-----	160.7	-----	156.1	---	160.2	-----
P9610	191.5	-----	166.5	-----	169.7	-----	170.3	-----
Badiane	170.9	----	153.3	-----	150.6	-	162.8	-----
DKC 5141	184.3	-----	158.1	-----	156.1	---	149.4	---
-Bezugsgrösse(n)	168.3	---	147.3	-----	155.7	---	160.6	-----
Versuchs-Mittel	177.1	-----	152.2	-----	157.3	----	158.9	-----
VK [%]	4.2		3.9		5.1		7.9	
KGD (5%)	12.2		9.8		13.2		ns	
KGD (1%)	16.3		13.1		ns		ns	
Versuchs-Streuung	7.4		6.0		8.0		12.6	
FG Fehlerterm	46.0		46.0		46.0		23.0	
Anz. Beob.	3.0		3.0		3.0		2.0	

Rendement relativ [%] / Relativertrag [%]

Verfahren	Seriemittel	1261 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9027	98.0 ---	109.6 -----	98.6 ----	93.5 -	100.0 ---
RGT Planoxx	97.3 ---	101.5 ----	99.1 ----	98.3 ---	95.5 -
Toutati CS	96.5 --	100.1 ----	93.5 --	95.6 --	96.3 -
DKC 3361	94.1 -	88.2 -	97.6 ---	94.2 -	97.0 -
Kidemos KWS	102.7 -----	98.5 ---	100.9 -----	101.7 -----	104.5 -----
DKC 3595	102.5 -----	112.7 -----	100.7 -----	101.6 -----	106.2 -----
LG 31272	105.1 -----	110.0 -----	103.4 -----	96.2 --	110.9 -----
P8834	108.3 -----	117.5 -----	104.8 -----	113.3 -----	104.3 ----
SY Impulse	103.7 ----	102.8 ----	98.4 ----	101.0 ----	105.4 ----
SY Enermax	104.7 ----	122.7 -----	101.8 ----	103.3 ----	107.3 ----
SY Fregat	103.8 -----	113.1 -----	93.3 -	101.1 ----	107.9 -----
KXB9358	105.9 -----	114.5 -----	95.9 ---	102.9 ----	108.5 -----
KXB9433	98.4 ---	102.5 ----	91.3 -	102.6 ----	101.3 ---
SY Amfora	110.3 -----	119.3 -----	107.5 -----	106.0 -----	116.9 -----
X95P757	107.3 -----	126.6 -----	106.9 -----	105.1 -----	107.8 ----
Glumanda	101.4 ----	106.7 ----	99.4 ----	100.8 ----	96.3 -
Gottardo KWS	99.0 ---	99.8 ---	97.8 ---	95.0 -	103.6 ----
P9903	108.5 -----	127.2 -----	106.3 -----	111.9 -----	114.6 -----
P0725	108.7 -----	112.4 -----	115.4 -----	108.0 -----	111.9 ----
ES Gallery	103.7 ----	111.1 ----	101.0 ----	105.0 ----	104.8 ----
ES Faraday	105.1 ----	116.4 -----	102.8 ----	100.4 ----	104.9 ----
P9610	110.3 -----	106.7 ----	109.4 -----	111.6 -----	112.6 -----
Badiane	103.7 ----	127.0 -----	95.8 --	100.8 ----	102.3 ----
DKC 5141	105.3 -----	123.6 -----	106.5 -----	102.9 ----	99.4 --
-Bezugsgrösse(n)	100.0 ----	100.0 ----	100.0 ----	100.0 ----	100.0 ---
Versuchs-Mittel	103.5 -----	111.3 -----	101.2 -----	102.2 -----	105.0 -----
VK [%]	5.9	10.6	4.3	4.4	4.4
KGD (5%)	3.6	19.3	7.1	7.3	7.6
KGD (1%)	4.7	ns	9.5	9.8	10.2
Versuchs-Streuung	6.1	11.7	4.3	4.5	4.6
FG Fehlerterm	341.0	42.0	46.0	46.0	46.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	10456.7	23	12.08 ***	1.56	0.0000
Anbauorte	6909.7	7	26.23 ***	2.04	0.0000
WW Verf.*Anb.Orte	9786.6	161	1.62 ns	1.24	
Fehler	12830.7	341			
Insgesamt	39983.7	532			

Rendement relativ [%] / Relativertrag [%]

Verfahren	8046 Reckenholz ZH		8194 Hüntwangen ZH		8566 Ellighausen TG		9437 Balgach / SG	
P9027	98.9	--	96.1	---	99.1	--	88.5	-
RGT Planoxx	95.5	-	92.9	--	98.8	--	97.2	-----
Toutati CS	100.4	---	95.1	---	97.4	-	93.4	---
DKC 3361	100.8	---	88.8	-	97.5	-	89.1	-
Kidemos KWS	104.5	-----	107.1	-----	101.2	----	102.8	-----
DKC 3595	104.2	-----	101.9	-----	97.3	-	95.7	-----
LG 31272	112.1	-----	102.8	-----	105.1	-----	99.9	-----
P8834	108.9	-----	108.1	-----	104.6	-----	104.6	-----
SY Impulse	106.8	-----	103.2	-----	110.4	-----	101.3	-----
SY Enermax	102.8	-----	101.7	-----	99.6	---	97.9	-----
SY Fregat	104.6	-----	106.5	-----	103.1	-----	101.1	-----
KXB9358	106.3	-----	114.1	-----	100.7	----	104.6	-----
KXB9433	101.0	---	100.8	----	97.5	-	90.1	--
SY Amfora	114.0	-----	107.0	-----	107.4	-----	104.4	-----
X95P757	108.5	-----	110.5	-----	98.0	--	95.0	----
Glumanda	103.2	-----	101.9	-----	98.4	--	104.8	-----
Gottardo KWS	101.4	----	95.6	---	99.5	---	99.4	-----
P9903	107.4	-----	106.5	-----	96.6	-	97.7	-----
P0725	110.1	-----	102.0	-----	106.2	-----	103.8	-----
ES Gallery	101.5	----	103.5	-----	99.8	---	102.6	-----
ES Faraday	107.5	-----	109.1	-----	100.2	---	99.7	-----
P9610	113.8	-----	113.1	-----	109.0	-----	106.0	-----
Badiane	101.6	----	104.1	-----	96.7	-	101.4	-----
DKC 5141	109.5	-----	107.3	-----	100.2	---	93.0	---
-Bezugsgrösse(n)	100.0	---	100.0	-----	100.0	---	100.0	-----
Versuchs-Mittel	105.2	-----	103.3	-----	101.0	----	98.9	-----
VK [%]	4.2		3.9		5.1		7.9	
KGD (5%)	7.3		6.7		8.5		ns	
KGD (1%)	9.7		8.9		ns		ns	
Versuchs-Streuung	4.4		4.1		5.2		7.8	
FG Fehlerterm	46.0		46.0		46.0		23.0	
Anz. Beob.	3.0		3.0		3.0		2.0	

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1261 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
P9027	74.4	80.6	73.2	79.2	68.4
RGT Planoxx	75.4	80.6	73.5	80.1	71.3
Toutati CS	75.4	80.2	74.1	81.3	71.6
DKC 3361	75.9	78.3	74.3	82.2	72.1
Kidemos KWS	74.1	80.2	72.3	80.1	69.5
DKC 3595	75.1	80.5	74.2	80.2	71.3
LG 31272	73.3	78.5	70.3	78.9	69.2
P8834	73.8	79.7	73.0	80.5	70.9
SY Impulse	74.6	78.9	70.9	79.4	70.5
SY Enermax	72.3	77.5	71.3	78.3	68.8
SY Fregat	74.1	79.9	73.9	80.8	70.0
KXB9358	71.4	78.4	71.6	78.5	68.3
KXB9433	73.9	77.4	75.1	79.6	68.5
SY Amfora	71.4	75.4	69.8	75.2	68.6
X95P757	70.8	73.8	67.7	77.3	69.0
Glumanda	72.6	77.2	72.4	79.3	67.9
Gottardo KWS	75.0	78.2	72.6	78.4	71.5
P9903	71.1	75.9	68.2	78.2	67.9
P0725	66.0	67.3	64.4	72.3	65.1
ES Gallery	73.8	78.8	72.2	79.7	69.2
ES Faraday	73.6	79.0	72.8	79.6	69.6
P9610	71.9	76.6	70.0	79.1	68.9
Badiane	72.5	77.9	71.9	79.9	68.5
DKC 5141	68.2	72.9	67.1	76.7	66.1
-Bezugsgrösse(n)	74.8	80.4	72.9	80.1	70.4
Versuchs-Mittel	72.9	77.6	71.5	78.9	69.3
VK [%]	1.2	1.5	1.2	0.7	0.7
KGD (5%)	0.5	1.9	1.4	1.0	0.8
KGD (1%)	0.6	2.6	1.9	1.3	1.1
Versuchs-Streuung	0.8	1.2	0.9	0.6	0.5
FG Fehlerterm	345.0	46.0	46.0	46.0	46.0
Anz. Beob.	23.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2887.6	23	174.62 ***	1.56	0.0000
Anbauorte	7222.8	7	1435.16 ***	2.04	0.0000
WW Verf.*Anb.Orte	736.7	161	6.36 ***	1.24	0.0000
Fehler	248.0	345			
Insgesamt	11095.3	536			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenholz ZH	8194 Hüntwangen ZH	8566 Ellighausen TG	9437 Balgach / SG
P9027	76.2 -----	75.6 -----	68.7 -----	73.4 -----
RGT Planoxx	77.4 -----	76.2 -----	70.4 -----	73.8 -----
Toutati CS	78.0 -----	75.5 -----	69.6 -----	72.6 -----
DKC 3361	78.3 -----	76.7 -----	70.4 -----	75.0 -----
Kidemos KWS	76.2 -----	76.4 -----	67.1 -----	71.3 -----
DKC 3595	77.7 -----	75.8 -----	68.8 -----	72.4 -----
LG 31272	75.7 -----	73.0 -----	68.7 -----	72.3 -----
P8834	75.0 -----	72.9 -----	68.0 -----	70.7 -----
SY Impulse	77.7 -----	73.5 -----	71.1 -----	74.8 -----
SY Enermax	72.8 -----	71.0 -----	67.8 -----	71.3 -----
SY Fregat	76.4 -----	72.1 -----	68.6 -----	71.5 -----
KXB9358	71.0 -----	68.6 -----	66.3 -----	68.3 -----
KXB9433	74.6 -----	72.0 -----	68.2 -----	75.7 -----
SY Amfora	72.6 -----	71.1 -----	66.7 -----	71.9 -----
X95P757	72.4 -----	68.7 -----	67.0 -----	70.4 -----
Glumanda	73.9 -----	71.4 -----	68.1 -----	70.8 -----
Gottardo KWS	76.7 -----	75.8 -----	71.5 -----	75.4 -----
P9903	72.7 -----	68.7 -----	67.4 -----	69.4 -----
P0725	67.6 -	64.7 -	61.8 -	65.1 -
ES Gallery	75.8 -----	75.4 -----	69.1 -----	70.0 -----
ES Faraday	74.3 -----	74.8 -----	67.3 -----	71.2 -----
P9610	72.3 -----	70.3 -----	67.4 -----	70.5 -----
Badiane	74.0 -----	72.1 -----	66.5 -----	69.4 -----
DKC 5141	67.9 -	67.0 -	61.4 -	66.3 -
-Bezugsgrösse(n)	76.8 -----	76.3 -----	68.8 -----	72.5 -----
Versuchs-Mittel	74.5 -----	72.5 -----	67.8 -----	71.4 -----
VK [%]	1.1	1.6	1.0	1.0
KGD (5%)	1.3	1.9	1.1	1.5
KGD (1%)	1.8	2.5	1.4	2.0
Versuchs-Streuung	0.8	1.2	0.7	0.7
FG Fehlerterm	46.0	46.0	46.0	23.0
Anz. Beob.	3.0	3.0	3.0	2.0

Humidité appareil laboratoire [% H₂O] / Feuchtigkeit Laborgerät [% H₂O]

Verfahren	Seriemittel		1567 Delley FR	
P9027	26.8	--	26.8	--
RGT Planoxx	26.5	--	26.5	--
Toutati CS	25.9	--	25.9	--
DKC 3361	25.7	-	25.7	-
Kidemos KWS	27.7	---	27.7	---
DKC 3595	25.8	-	25.8	-
LG 31272	29.7	-----	29.7	-----
P8834	27.0	---	27.0	---
SY Impulse	29.1	---	29.1	---
SY Enermax	28.7	---	28.7	---
SY Fregat	26.1	--	26.1	--
KXB9358	28.4	---	28.4	---
KXB9433	24.9	-	24.9	-
SY Amfora	30.2	-----	30.2	-----
X95P757	32.3	-----	32.3	-----
Glumanda	27.6	---	27.6	---
Gottardo KWS	27.4	---	27.4	---
P9903	31.8	-----	31.8	-----
P0725	35.6	-----	35.6	-----
ES Gallery	27.8	---	27.8	---
ES Faraday	27.2	---	27.2	---
P9610	30.0	-----	30.0	-----
Badiane	28.1	---	28.1	---
DKC 5141	32.9	-----	32.9	-----
-Bezugsgrösse(n)	27.1	---	27.1	---
Versuchs-Mittel	28.5	---	28.5	---
VK [%]	3.0		3.0	
KGD (5%)	1.4		1.4	
KGD (1%)	1.9		1.9	
Versuchs-Streuung	0.9		0.9	
FG Fehlerterm	46.0		46.0	
Anz. Beob.	3.0		3.0	



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