

Pflanzen

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Résultats des essais variétaux de maïs grain 2019

Resultate der Hauptversuche Körnermais 2019

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Impressum

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Inhaltsverzeichnis / table des matières

1	Merkmale / Critères	5
2	Indexberechnung für Körnermais / Calcul de l'indice pour le maïs grain	6
3	Nördlich der Alpen / Nord des Alpes	7
3.1	Serie früh / Série précoce	7
3.1.1	Standortangaben / Informations des lieux.....	7
3.1.2	Sorten / Status.....	7
3.1.3	Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales	8
3.1.4	Index / Indice	10
3.1.5	Zusammenfassung / Résumé	11
3.1.6	Details / Détails	13
3.2	Serie mittelfrüh / Série mi-précoce	31
3.2.1	Standortangaben / Informations des lieux.....	31
3.2.2	Sorten / Status.....	31
3.2.3	Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales	32
3.2.4	Index / Indice	34
3.2.5	Zusammenfassung / Résumé	35
3.2.6	Details / Détails	37
3.3	Serie mittelspät / Série mi-tardif	58
3.3.1	Standortangaben / Informations des lieux.....	58
3.3.2	Sorten / Status.....	58
3.3.3	Standorteigenschaften und Bewirtschaftungsmassnahmen / Informations sur les sites et techniques culturales	59
3.3.4	Index / Indice	61
3.3.5	Zusammenfassung / Résumé	62
3.3.6	Details / Détails	65

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

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	2019	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	07.05.19	13.11.19
1567	Corcelles / Delley	441	17.05.19	11.11.19
1725	Grangeneuve	654	15.05.19	28.10.19
3065	Habstetten	620	17.05.19	31.10.19
8046	Reckenholz	440	25.04.19	24.10.19 *
8194	Hüntwangen	384	15.05.19	23.10.19
8566	Ellighausen	503	25.05.19	+

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

+ nicht beobachtet / geerntet (starker Drahtwurmschaden) / ne pas suivi / récolté (dégât important de vers fil de fer)

3.1.2 Sorten / Status

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
ES Eurojet	ESZ1101	SC	Euralis	Euralis	KM01/S	
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, Manno	KM01/S	
ES Crossman	ESZ2105	SC	Euralis, F		KM01/S	
ES Hubble	ESZ5102	SC	Euralis, F		KM01/e3	
P7515	X80H141	SC	Pioneer	Pioneer, Manno	KM01/e2	
LG 31219	LZM 166/73	SC	Limagrain Europe	Fenaco, Moudon	KM01/e2	SM01/e2
DKC 2990	ES2950	SC	Monsanto, USA	Monsanto, Morges	KM01/e1	
DKC 2684	ER2602	SC	Monsanto, USA	Monsanto, Morges	KM01/e1	
RH18001	RH18001	SC	RAGT 2n, F	Fenaco, Moudon	KM01/e1	
Anovi CS	CSM 16109	SC	Caussade Semences		KM01/e1	
SB0747	SB0747	SC	Syngenta, CH	Syngenta, Dielsdorf	KM01/e1	SM01/e1
KWS Grandezza	KXB7322	TC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	
KXB7324	KXB7324	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	
KWS Gustavius	KXB7327	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	
KXB8133	KXB8133	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM01/e1	SM11/e1
LG 30222	LZM 158/51	SC	Limagrain	Fenaco, Moudon	KM01/T	SM01/T
Gottardo KWS	KXB1157	SC	KWS, Einbeck	KWS Suisse SA, Basel	FS	
P8307					FS	

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

Technische Versuchangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Gletterens (480 m ü.M.)	Grangeneuve (650 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Mfolttern (440 m ü.M.)	Hüntwangen (384 m ü.M.)			
Bodenart / type de sol / soil type:	limono sableux	Limon	moyen	sandiger Lehm	Braunerde	Braunerde, tiefgründig, sandiger Lehm			
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfall (Saat - Ernte/ semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / somme des températures / sum of temperatures (base 6°C; Saat - Ernte/ semis - récolte / seeding - harvest):	15.07. irrigation 30 mm; 24.07. irrigation 30 mm; pluviométrie : 591 mm 2065.9 °C	558.8 mm (selon AgroMeteo, station Delley) 1915.7°C (selon AgroMeteo, station Delley)	486.4 (KM01; KM11) mm 1711.0 (KM01; KM11) °C (selon AgroMeteo, station Didingen)	589 (KM01; KM11; KM21) mm 1789.2 (KM01; KM11; KM21) °C	630.7 (KM01; KM11); 660.1 (KM21) mm 1885.6 (KM01; KM11); 1921.8 (KM21) °C	500.1 (KM01; KM11); 574.3 (KM21) mm (Meteostation WI) 1890.3 (KM01; KM11); 1949.8 (KM21) °C (Meteostation WI)			
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 0.8m Weg (22.4m2 brutto), 10m2 netto	Semé: 17 m2 per single plot (brut, avec chemin), 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 0.8m Weg (22.4m2 brutto), 10 m2 netto	4reihig, mit 0.8m 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			
Vorfrucht / précédent cultural / previous crop:	luzerne	Ble de printemps	prairie	maïs	Kunstwiese / prairie temporaire / temporary grassland	Raps - Zwischenbegrünung (UFA Alpha)			
Bodenbearbeitung / travail du sol / soil cultivation:	13.11.2018 labour charrue; 01. 04. 2019 cultivateur; 06. 05. 2019 herse rotative	25.02.2019: Labour 16.05.2019: Herse rotative	Pflug (13.5.19) und Kreiselegge (14.5.2019) / charrue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Pflug (27.11.18); Federzählegge (23.4.19, 24.4.19) / charrue, herse / plough, harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow			
Saat / date de semis / sowing date:	07.05.2019	17.05.2019 (jour 137)	15.05.2019	17.05.2019	25.04.2019	15.05.2019			
Ernte / date de récolte / harvest date:	13.11.2019	11.11.2019 (jour 315)	28.10.2019	31.10.2019	24.10.2019	23.10.2019			

Technische Versuchangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Gletterens (480 m ü.M.)	Grangeneuve (650 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)			
Saatedichte / densité de semis / sowing density:	10.0 Körner / grains pro m ²	Semis: 10.5 grains / m ² Eclairci 10 pl/m ²	10 Körner / grains pro m ²	10.0 Körner / grains pro m ²	11.0 Körner / grains pro m ²	11.0 Körner / grains pro m ²			
Vegetationsdauer / durée de végétation / growing period	190 Tage / jours / days	178 jours	166 Tage / jours / days	167 Tage / jours / days	182 Tage / jours / days	161 Tage / jours / days			
Reihenabstand / interlignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm			
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	03.06.2019 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 (06.06.2019)	19.06.2019: Equip Power (2.18 L/ha) + Banvel 4S (0.437 L/ha)	17.6.19: 1.5 l/ha Equip Power	Calaris 1.5 l/ha + Dual Gold 1.2 l/ha 4 06 19	18.6. Aspect 2.0l/ha, Banvel 4S 0.9l/ha, Laudis 2.0l/ha	14.6.19 Aspect 1,5l/ha; Laudis 2,0l/ha; Bacalon Aqua 2,0l/ha			
Grunddüngung / fumure de base / basic fertilisation:	50 t fumiher/ha (28.03.2019); 120 kg P/ha; 250 kg K/ha	21.01.2019: Landor 0.20.30 (300 kg/ha)	-	16 04 'kali 60 % 200 kg/ha Granuphosph 17 % 310 kg /ha	-	Schweinegülle 38N/ha,38P2O5/ha, DAP28N/ha,26P2O5/ha,Harnstoff 60N/ha, Kali 200 K2O/ha, Kieserit 20 Mg/ha (6.5.19)			
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacale 27.5. 60 kg N/ha; urée perlée 46 % 20.06 60 kg N/ha	24.04.2019: Sulfamid 30.0.0 (600 kg/ha) 18.06.2019:Sulfamid 30.0.0 (100 kg/ha)	23.05.19 Nitrate 24 %: 100 kg /ha; 28.06.19: urée 46 %: 190 kg N/ha	28 05 40.5 N ammonitrate 14 06 82 N Harnstoff Urée	Mg-Ammonsalpeter 62 kg N/ha (3.6.)	Harnstoff 63 N/ha (8.6.19)			
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	87 kg N/ha (1.5.2019)	-			
Ernte / Récolte / harvest:	Baural Mährescher / moissonneuse- batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Baural Mährescher / moissonneuse-batteuse harvesting	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Wintersteiger Delta Mährescher / moissonneuse-batteuse / direct combine harvesting				

3.1.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend- entwicklung		Wurzellager.		Wurzellager.		Stängel- bruch	Beulen-		Stängel- fäule	Gesamt- index
				Vegetation	Ernte	brand	fäule							
P8307	FS	1.49	2.89	-0.03	-0.04		-0.33	-1.09	0.19	3.08				
KWS Stabil	S	-2.94	5.06	0.13	-0.10		-0.26	-0.08	-0.59	1.19				
SB0747	e1	-3.12	4.50	-0.10	0.10		0.07	-0.30	-0.33	0.82				
Anovi CS	e1	-2.40	4.09	-0.06	0.10		-0.37	-0.71	-0.07	0.59				
RH18001	e1	-1.55	0.55	-0.10	0.01		0.10	0.59	0.27	-0.11				
KWS Gustavius	e1	-1.57	0.67	-0.01	0.02		0.26	-0.95	0.45	-1.13				
ES Crossman	S	2.94	-5.06	-0.13	0.10		0.26	0.08	0.59	-1.19				
DKC 2990	e1	-3.68	0.86	-0.26	0.10		0.26	0.34	-0.16	-2.54				
KXB7324	e1	1.57	-6.29	-0.29	0.10		0.26	0.46	0.53	-3.64				
KXB8133	e1	-2.17	-0.64	0.29	-0.04		0.26	-1.49	0.10	-3.69				
P8521	S	-4.83	3.21	-0.13	0.10		0.26	-1.72	-1.38	-4.48				
LG 30222	T	-3.99	-1.28	0.14	0.10		0.18	0.28	-0.16	-4.74				
Gottardo KWS	FS	-1.00	-2.91	0.07	0.10		-0.26	-0.89	-0.25	-5.14				
KWS Grandezza	e1	0.10	-5.17	0.40	0.10		0.17	-0.99	0.10	-5.28				
P7515	e2	-3.35	-0.15	-0.21	0.02		0.19	-2.02	-0.07	-5.59				
LG 31211	S	-3.78	-1.44	0.32	-0.69		0.17	-1.65	-0.25	-7.32				
DKC 2684	e1	-7.52	3.97	-0.03	0.10		0.19	-4.13	-0.77	-8.17				
LG 31219	e2	-5.16	-3.61	-0.04	0.10		0.11	-0.11	0.19	-8.53				
ES Eurojet	S	-4.08	-1.39	0.43	-0.18		-0.02	-3.77	-0.25	-9.26				
ES Hubble	e3	-7.21	-4.00	0.26	0.10		0.26	-2.41	0.36	-12.64				
Bezugsgrößen		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00				
Anzahl Beeb.		15	18	15	6		9	15	6					
Anzahl Orte		5	6	5	2		3	5	2					
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 %
ES Eurojet	3.5	73.7	74.6	256.3	128.3	50.5	1.1	0.8	11.5
KWS Stabil	4.2	74.8	75.8	252.7	123.7	49.6	0.8	1.4	15.6
LG 31211	3.7	72.9	73.8	239.0	102.0	42.3	3.2	0.3	11.5
P8521	4.8	73.9	74.6	215.7	108.7	50.4	0.0	0.0	25.0
ES Crossman	4.9	75.2	76.4	258.7	110.7	43.7	0.0	0.0	1.5
ES Hubble	3.9	74.4	75.8	253.7	126.0	49.9	0.0	0.0	4.2
P7515	5.0	75.0	76.1	233.7	117.0	49.5	0.3	0.2	9.4
LG 31219	4.6	73.5	74.2	248.7	111.7	44.4	0.0	0.4	6.3
DKC 2990	5.1	76.4	77.5	253.7	121.0	48.0	0.0	0.0	10.4
DKC 2684	4.6	74.1	75.1	236.0	112.7	47.5	0.0	0.2	17.7
RH18001	4.7	73.9	75.0	241.3	117.0	48.5	0.3	0.4	5.2
Anovi CS	4.6	74.8	76.0	217.7	113.7	53.3	0.0	1.7	9.4
SB0747	4.7	74.3	75.0	216.7	97.7	45.7	0.0	0.5	12.5
KWS Grandezza	3.5	74.4	75.2	240.7	114.7	48.0	0.0	0.2	7.3
KXB7324	5.2	75.5	76.6	236.3	113.3	49.2	0.0	0.0	2.1
KWS Gustavius	4.5	75.2	76.2	231.3	113.0	49.5	0.3	0.0	3.1
KXB8133	3.8	74.5	75.1	241.3	118.3	49.4	0.6	0.0	7.3
LG 30222	4.2	73.4	74.3	225.7	103.3	45.9	0.0	0.2	10.4
Gottardo KWS	4.3	73.1	73.9	241.0	105.7	44.2	0.0	1.4	11.5
P8307	4.6	75.7	76.9	227.3	126.7	55.5	0.6	1.6	6.3
Bezugsgrösse(n)	4.5	75.0	76.1	255.7	117.2	46.7	0.4	0.7	8.5
Versuchs-Mittel	4.4	74.4	75.4	238.4	114.3	48.3	0.4	0.5	9.4
VK [%]	12.7	0.9	0.9	3.9	7.1	7.0	228.2	420.3	92.9
KGD (5%)	0.4	0.5	0.6	6.7	5.9	2.2	0.9		10.0
KGD (1%)	0.5	0.6	0.7	8.8	7.7	2.9	1.2		13.3
Versuchs-Streuung	0.6	0.7	0.7	9.3	8.1	3.4	0.8	2.0	8.7
FG Fehlerterm	190.0	190.0	152.0	190.0	190.0	228.0	76.0	114.0	76.0
Anz. Beob.	15.0	15.0	12.0	15.0	15.0	18.0	6.0	9.0	6.0
Anz. Orte	5.0	5.0	4.0	5.0	5.0	6.0	2.0	3.0	2.0
Minimum	3.5	72.9	73.8	215.7	97.7	42.3	0.0	0.0	1.5
Maximum	5.2	76.4	77.5	258.7	128.3	55.5	3.2	1.7	25.0

Sorten Bezeichnung	Stängel fäule %	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 %	HLG Ernte- maschine kg/hl
ES Eurojet	11.5	23.4	1.7	5.0	8.5	135.7	95.1	70.5	65.5
KWS Stabil	15.6	5.6	1.6	4.7	9.1	137.6	96.3	73.1	67.3
LG 31211	11.5	13.2	2.6	4.7	8.9	136.2	95.4	70.5	65.4
P8521	25.0	13.5	1.9	6.0	9.0	134.4	94.0	72.4	60.4
ES Crossman	1.5	4.9	1.5	4.3	8.2	147.7	103.7	69.1	66.7
ES Hubble	4.2	16.9	1.6	4.3	9.4	130.4	91.4	69.5	66.4
P7515	9.4	15.0	0.8	4.3	9.5	137.0	95.9	71.0	59.1
LG 31219	6.3	5.8	1.1	5.7	9.0	133.9	93.6	69.7	66.4
DKC 2990	10.4	3.7	1.0	3.3	9.2	136.4	95.5	71.4	66.4
DKC 2684	17.7	25.1	1.3	5.0	9.0	129.8	90.9	72.7	67.5
RH18001	5.2	2.5	1.5	4.7	8.7	140.0	98.1	71.3	65.2
Anovi CS	9.4	8.7	1.5	4.7	9.2	138.6	97.0	72.7	67.2
SB0747	12.5	6.7	1.2	5.7	9.2	137.4	96.1	72.9	67.6
KWS Grandezza	7.3	10.0	1.5	4.7	9.2	142.9	100.1	69.0	63.8
KXB7324	2.1	3.1	0.6	3.7	8.4	145.4	101.9	68.6	63.4
KWS Gustavius	3.1	9.9	0.9	2.7	9.3	140.0	98.2	71.4	63.4
KXB8133	7.3	12.4	1.8	4.0	9.2	139.0	97.4	70.8	65.2
LG 30222	10.4	3.9	0.8	4.7	9.0	135.9	95.0	70.6	67.5
Gottardo KWS	11.5	9.6	2.0	4.0	8.5	141.0	98.7	69.9	66.9
P8307	6.3	10.5	1.1	5.3	9.3	145.2	101.6	72.3	62.3
Bezugsgrösse(n)	8.5	5.3	1.5	4.5	8.6	142.7	100.0	71.1	67.0
Versuchs-Mittel	9.4	10.2	1.4	4.6	9.0	138.2	96.8	71.0	65.2
VK [%]	92.9	58.6	118.2	15.2	4.7	5.9	6.0	1.2	0.5
KGD (5%)	10.0	4.3		1.1	0.3	5.9	4.2	0.6	0.4
KGD (1%)	13.3	5.7		1.5	0.4	7.8	5.5	0.8	0.5
Versuchs-Streuung	8.7	6.0	1.7	0.7	0.4	8.2	5.8	0.9	0.3
FG Fehlerterm	76.0	190.0	114.0	38.0	228.0	190.0	190.0	228.0	76.0
Anz. Beob.	6.0	15.0	9.0	3.0	18.0	15.0	15.0	18.0	6.0
Anz. Orte	2.0	5.0	3.0	1.0	6.0	5.0	5.0	6.0	2.0
Minimum	1.5	2.5	0.6	2.7	8.2	129.8	90.9	68.6	59.1
Maximum	25.0	25.1	2.6	6.0	9.5	147.7	103.7	73.1	67.6

3.1.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	8194 Hüntwang, ZH	3065 Habstetten	1725 Grangeneuve	1567 Delley FR	1260 Nyon
ES Eurojet	3.5 -	2.0 -	3.7 -	4.0 -	4.0 ----	3.7 -
KWS Stabil	4.2 ----	2.7 ---	4.0 --	4.3 --	5.0 -----	5.0 ----
LG 31211	3.7 --	2.7 ---	4.0 --	4.3 --	3.3 --	4.3 ---
P8521	4.8 -----	3.3 -----	5.0 -----	5.0 -----	5.0 -----	5.7 -----
ES Crossman	4.9 -----	3.3 -----	5.0 -----	5.0 -----	4.7 -----	6.3 -----
ES Hubble	3.9 --	2.7 ---	3.7 -	4.0 -	4.3 ----	4.7 ----
P7515	5.0 -----	3.7 -----	5.0 -----	5.7 -----	5.3 -----	5.3 -----
LG 31219	4.6 -----	3.7 -----	5.0 -----	5.0 -----	4.0 ---	5.3 -----
DKC 2990	5.1 -----	4.0 -----	5.0 -----	5.0 -----	6.0 -----	5.7 -----
DKC 2684	4.6 -----	3.2 ----	4.3 ---	4.7 ---	4.7 ----	6.0 -----
RH18001	4.7 -----	3.7 -----	5.3 -----	5.0 -----	4.3 ----	5.3 -----
Anovi CS	4.6 -----	4.2 -----	5.0 -----	5.0 -----	4.3 ----	4.7 ---
SB0747	4.7 -----	4.0 -----	4.7 -----	5.0 -----	5.0 -----	5.0 -----
KWS Grandezza	3.5 -	2.0 -	4.0 --	4.3 --	2.7 -	4.7 ----
KXB7324	5.2 -----	4.0 -----	5.7 -----	5.7 -----	5.3 -----	5.3 -----
KWS Gustavius	4.5 -----	3.0 ---	5.3 -----	5.3 -----	3.7 ---	5.3 -----
KXB8133	3.8 --	2.7 ---	4.0 --	4.0 -	3.7 --	4.7 ----
LG 30222	4.2 ---	2.8 ---	4.3 ---	4.7 ---	4.3 -----	4.7 ---
Gottardo KWS	4.3 -----	3.0 ---	4.7 -----	5.0 -----	3.7 ---	5.3 -----
P8307	4.6 -----	3.2 ----	4.7 -----	5.0 -----	4.3 ----	5.7 -----
Bezugsgrößen	4.5 -----	3.0 ----	4.5 ----	4.7 ----	4.8 -----	5.7 -----
Versuchs-Mittel	4.4 ----	3.2 ----	4.6 ---	4.8 ---	4.4 ----	5.1 ----
VK [%]	12.7	14.1	8.3	7.7	20.2	10.9
KGD (5%)	0.4	0.7	0.6	0.6	1.5	0.9
KGD (1%)	0.5	1.0	0.9	0.8	ns	1.2
Versuchs-Streuung	0.6	0.4	0.4	0.4	0.9	0.6
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	76.6	19	12.75 ***	1.64	0.0000
Anbauorte	133.4	4	105.44 ***	2.42	0.0000
WW Verf.*Anb.Orte	37.0	76	1.54 **	1.36	0.0099
Fehler	60.1	190			
Insgesamt	307.0	289			

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

Verfahren	Seriemittel	8194 Hüntwang. ZH	8046 Reckenh. ZH	3065 Habstetten	1725 Grangeneuve	1260 Nyon
ES Eurojet	73.7 --	68.7 -	87.0 --	70.0 ---	69.3 --	73.3 ----
KWS Stabil	74.8 -----	70.3 -----	88.3 -----	70.3 -----	70.3 -----	74.7 -----
LG 31211	72.9 -	68.3 -	86.0 -	69.3 -	69.3 --	71.7 -
P8521	73.9 ---	68.3 -	87.3 ---	70.3 ----	70.3 ---	73.0 --
ES Crossman	75.2 -----	70.3 -----	88.7 -----	70.3 -----	71.0 -----	75.7 -----
ES Hubble	74.4 ----	70.0 ----	87.0 --	69.3 -	71.3 -----	74.3 -----
P7515	75.0 -----	70.3 -----	88.3 -----	71.7 -----	70.0 ---	74.7 -----
LG 31219	73.5 --	69.0 --	87.0 --	70.0 ---	70.0 ---	71.7 -
DKC 2990	76.4 -----	72.3 -----	89.3 -----	71.7 -----	72.7 -----	76.0 -----
DKC 2684	74.1 ---	69.3 ---	87.3 ---	70.0 ---	70.0 ---	74.0 ----
RH18001	73.9 ---	69.7 ---	86.7 --	70.3 ----	70.0 ---	73.0 ---
Anovi CS	74.8 ----	69.7 ---	88.7 -----	70.3 ----	70.7 ----	74.7 -----
SB0747	74.3 ----	69.7 ---	88.0 ----	70.3 ----	70.0 ---	73.3 ----
KWS Grandezza	74.4 ----	70.0 ----	87.7 ---	70.7 ----	70.0 ---	73.7 ----
KXB7324	75.5 -----	70.7 -----	90.7 -----	71.0 -----	70.3 ---	74.7 -----
KWS Gustavius	75.2 -----	70.7 -----	88.7 -----	70.7 -----	70.7 ----	75.3 -----
KXB8133	74.5 ----	70.0 ----	87.3 ---	71.0 -----	70.0 ---	74.0 ----
LG 30222	73.4 --	68.7 -	86.3 -	69.7 --	70.0 ---	72.3 --
Gottardo KWS	73.1 -	69.0 --	86.7 --	69.3 -	68.7 -	72.0 -
P8307	75.7 -----	70.0 ----	90.0 -----	70.7 ----	73.3 -----	74.7 -----
Bezugsgrösse(n)	75.0 -----	70.3 -----	88.5 -----	70.3 -----	70.7 -----	75.2 -----
Versuchs-Mittel	74.4 ----	69.8 ---	87.9 ---	70.4 ----	70.4 ----	73.8 ----
VK [%]	0.9	0.8	0.7	0.7	1.1	1.2
KGD (5%)	0.5	0.9	1.0	0.8	1.3	1.5
KGD (1%)	0.6	1.2	1.3	1.0	1.7	2.0
Versuchs-Streuung	0.7	0.5	0.6	0.5	0.8	0.9
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	232.3	19	26.83 ***	1.64	0.0000
Anbauorte	14114.5	4	7741.79 ***	2.42	0.0000
WW Verf.*Anb.Orte	89.6	76	2.59 ***	1.36	0.0002
Fehler	86.6	190			
Insgesamt	14523.1	289			

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

Verfahren	Seriemittel	8194 Hüntwangen ZH	8046 Reckenholz ZH	1725 Grangeneuve	1260 Nyon
ES Eurojet	74.6 --	68.3 ---	87.3 --	70.3 -	72.3 ----
KWS Stabil	75.8 -----	69.3 -----	88.3 -----	71.7 -----	73.7 -----
LG 31211	73.8 -	67.3 -	86.7 -	70.3 -	71.0 --
P8521	74.6 --	67.7 -	87.7 ---	71.0 --	72.0 ----
ES Crossman	76.4 -----	69.3 -----	89.3 -----	72.3 -----	74.7 -----
ES Hubble	75.8 -----	69.3 -----	87.7 ---	72.0 ----	74.3 -----
P7515	76.1 -----	70.0 -----	88.0 ----	72.7 -----	73.7 -----
LG 31219	74.2 -	68.3 ---	87.3 --	70.7 --	70.3 -
DKC 2990	77.5 -----	71.0 -----	90.0 -----	74.3 -----	74.7 -----
DKC 2684	75.1 ---	69.0 ----	87.3 --	71.0 --	73.0 ----
RH18001	75.0 ---	69.7 -----	87.3 --	70.7 --	72.3 ----
Anovi CS	76.0 ----	69.7 -----	88.7 ----	71.0 --	74.7 -----
SB0747	75.0 ---	68.7 ---	88.3 ----	70.7 --	72.3 ----
KWS Grandezza	75.2 ----	69.0 ----	87.7 ---	71.3 ---	72.7 ----
KXB7324	76.6 -----	70.0 -----	90.7 -----	72.0 ----	73.7 -----
KWS Gustavius	76.2 -----	69.7 -----	88.7 ----	72.7 -----	73.7 -----
KXB8133	75.1 ---	69.0 ----	87.7 ---	71.0 --	72.7 ----
LG 30222	74.3 --	68.3 ---	86.3 -	70.7 --	71.7 ---
Gottardo KWS	73.9 -	68.0 --	86.7 -	70.0 -	71.0 --
P8307	76.9 -----	69.7 -----	90.3 -----	73.3 -----	74.3 -----
Bezugsgrösse(n)	76.1 -----	69.3 -----	88.8 -----	72.0 -----	74.2 -----
Versuchs-Mittel	75.4 ----	69.1 ----	88.1 ----	71.5 ---	72.9 ----
VK [%]	0.9	0.8	0.8	1.0	1.1
KGD (5%)	0.6	0.9	1.1	1.2	1.3
KGD (1%)	0.7	1.2	1.5	1.6	1.7
Versuchs-Streuung	0.7	0.5	0.7	0.7	0.8
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	243.3	19	26.96 ***	1.66	0.0000
Anbauorte	13369.5	3	9382.14 ***	2.66	0.0000
WW Verf.*Anb.Orte	56.5	57	2.09 ***	1.41	0.0007
Fehler	72.2	152			
Insgesamt	13741.6	231			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	8194 Hüntwang. ZH	8046 Reckenh. ZH	3065 Habstetten	1725 Grangeneuve	1260 Nyon
ES Eurojet	256.3	223.3	253.3	290.0	266.7	248.3
KWS Stabil	252.7	221.7	255.0	270.0	266.7	250.0
LG 31211	239.0	210.0	230.0	268.3	258.3	228.3
P8521	215.7	196.7	226.7	231.7	223.3	200.0
ES Crossman	258.7	223.3	266.7	291.7	261.7	250.0
ES Hubble	253.7	220.0	256.7	281.7	258.3	251.7
P7515	233.7	200.0	253.3	245.0	245.0	225.0
LG 31219	248.7	226.7	243.3	281.7	261.7	230.0
DKC 2990	253.7	216.7	260.0	290.0	270.0	231.7
DKC 2684	236.0	210.0	243.3	256.7	240.0	230.0
RH18001	241.3	216.7	246.7	251.7	256.7	235.0
Anovi CS	217.7	196.7	226.7	230.0	223.3	211.7
SB0747	216.7	193.3	220.0	233.3	230.0	206.7
KWS Grandezza	240.7	213.3	236.7	268.3	253.3	231.7
KXB7324	236.3	203.3	260.0	251.7	243.3	223.3
KWS Gustavius	231.3	206.7	248.3	243.3	236.7	221.7
KXB8133	241.3	213.3	245.0	271.7	248.3	228.3
LG 30222	225.7	211.7	228.3	246.7	228.3	213.3
Gottardo KWS	241.0	210.0	233.3	273.3	255.0	233.3
P8307	227.3	203.3	240.0	246.7	233.3	213.3
Bezugs- größen	255.7	222.5	260.8	280.8	264.2	250.0
Versuchs- Mittel	238.4	210.8	243.7	261.2	248.0	228.2
VK [%]	3.9	3.0	4.1	4.5	3.9	3.4
KGD (5%)	6.7	10.6	16.5	19.2	15.9	13.0
KGD (1%)	8.8	14.1	22.2	25.7	21.3	17.4
Versuchs- Streuung	9.3	6.4	10.0	11.6	9.6	7.9
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	49843.0	19	30.44 ***	1.64	0.0000	
Anbauorte	90171.3	4	261.61 ***	2.42	0.0000	
WW Verf.*Anb.Orte	13602.0	76	2.08 ***	1.36	0.0006	
Fehler	16372.5	190				
Insgesamt	169988.8	289				

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

Verfahren	Seriemittel	8194 Hüntwang. ZH	8046 Reckenh. ZH	3065 Habstetten	1725 Grangeneuve	1260 Nyon
ES Eurojet	128.3 -----	123.3 -----	106.7 ----	141.7 -----	145.0 -----	125.0 -----
KWS Stabil	123.7 -----	115.0 -----	113.3 ----	133.3 -----	130.0 ----	126.7 -----
LG 31211	102.0 --	91.7 -	96.7 --	100.0 -	110.0 --	111.7 --
P8521	108.7 ---	98.3 ---	105.0 ---	115.0 ---	116.7 ---	108.3 --
ES Crossman	110.7 ----	98.3 ---	110.0 ----	118.3 ----	121.7 ----	105.0 -
ES Hubble	126.0 -----	121.7 -----	108.3 ----	141.7 -----	131.7 -----	126.7 -----
P7515	117.0 -----	106.7 -----	116.7 -----	118.3 ----	133.3 -----	110.0 ---
LG 31219	111.7 ----	105.0 ----	98.3 --	125.0 -----	121.7 ----	108.3 --
DKC 2990	121.0 -----	113.3 -----	120.0 -----	131.7 -----	125.0 ----	115.0 ----
DKC 2684	112.7 ----	105.0 ----	103.3 ---	123.3 ----	111.7 ---	120.0 -----
RH18001	117.0 -----	113.3 -----	110.0 ----	126.7 -----	121.7 ----	113.3 ----
Anovi CS	113.7 ----	100.0 ---	113.3 ----	110.0 ---	128.3 -----	116.7 ----
SB0747	97.7 -	90.0 -	96.7 --	96.7 -	101.7 -	103.3 -
KWS Grandeza	114.7 ----	101.7 ---	108.3 ----	126.7 -----	125.0 ----	111.7 ---
KXB7324	113.3 ----	106.7 ----	110.0 ----	113.3 ----	125.0 ----	111.7 ---
KWS Gustavius	113.0 ----	106.7 ----	120.0 -----	115.0 ----	110.0 --	113.3 ----
KXB8133	118.3 -----	115.0 -----	100.0 ---	128.3 -----	130.0 -----	118.3 -----
LG 30222	103.3 --	103.3 ----	96.7 --	110.0 ---	100.0 -	106.7 --
Gottardo KWS	105.7 ---	95.0 --	90.0 -	125.0 -----	110.0 --	108.3 --
P8307	126.7 -----	111.7 -----	131.7 -----	131.7 -----	133.3 -----	125.0 -----
Bezugs- größen	117.2 -----	106.7 ----	111.7 ----	125.8 -----	125.8 ----	115.8 ----
Versuchs- Mittel	114.3 ----	106.1 ---	107.8 ----	121.6 ----	121.6 ---	114.3 ----
VK [%]	7.1	6.1	7.3	7.6	7.6	6.5
KGD (5%)	5.9	10.7	13.0	15.3	15.3	12.3
KGD (1%)	7.7	14.4	17.3	20.5	20.5	16.5
Versuchs- Streuung	8.1	6.5	7.8	9.3	9.3	7.4
FG	190.0	38.0	38.0	38.0	38.0	38.0
Fehlerterm						
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	19959.6	19	15.88 ***	1.64	0.0000	
Anbauorte	12990.0	4	49.08 ***	2.42	0.0000	
WW Verf.*Anb.Orte	9573.3	76	1.90 ***	1.36	0.0009	
Fehler	12570.8	190				
Insgesamt	55093.8	289				

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

Verfahren	Seriemittel	8194 Hünt. ZH	8046 Reck. ZH	3065 Habst.	1725 Grangen.	1567 Delley FR
ES Eurojet	50.5 -----	55.3 -----	42.2 --	48.9 -----	54.4 -----	52.1 -----
KWS Stabil	49.6 -----	51.9 -----	44.6 ---	49.4 -----	48.7 ---	52.1 -----
LG 31211	42.3 -	43.7 -	42.0 --	37.2 -	42.4 -	39.6 -
P8521	50.4 -----	50.1 -----	46.3 ---	49.6 -----	52.2 -----	50.0 -----
ES Crossman	43.7 -	44.0 -	41.3 --	40.5 --	46.6 ---	47.9 ---
ES Hubble	49.9 -----	55.3 -----	42.4 ---	50.2 -----	51.2 -----	50.0 -----
P7515	49.5 -----	53.3 -----	46.2 ---	48.2 -----	54.5 -----	45.8 ---
LG 31219	44.4 --	46.3 --	40.4 --	44.4 ---	46.5 ---	41.7 -
DKC 2990	48.0 ---	52.3 -----	46.3 ---	45.4 ---	46.3 ---	47.9 ---
DKC 2684	47.5 ---	50.0 -----	42.6 ---	48.0 -----	46.5 ---	45.8 ---
RH18001	48.5 ---	52.4 -----	44.6 ---	50.2 -----	47.4 ---	47.9 ---
Anovi CS	53.3 -----	50.8 -----	50.0 -----	47.8 -----	57.5 -----	58.3 -----
SB0747	45.7 ---	46.6 ---	43.9 ---	41.5 ---	44.2 --	47.9 ---
KWS Grandezza	48.0 ---	47.7 ---	45.7 ---	47.2 -----	49.3 ---	50.0 -----
KXB7324	49.2 -----	52.5 -----	42.4 --	45.0 ---	51.3 -----	54.2 -----
KWS Gustavius	49.5 -----	51.7 -----	48.4 -----	47.4 -----	46.6 ---	52.1 -----
KXB8133	49.4 -----	54.0 -----	40.9 --	47.2 -----	52.4 -----	50.0 -----
LG 30222	45.9 ---	48.9 ---	42.3 --	44.6 ---	43.9 -	45.8 ---
Gottardo KWS	44.2 --	45.2 --	38.5 -	45.9 ---	43.1 -	45.8 ---
P8307	55.5 -----	54.9 -----	55.0 -----	53.4 -----	57.1 -----	54.2 -----
Bezugsgrößen	46.7 ---	48.0 ---	43.0 ---	45.0 ---	47.7 ---	50.0 -----
Versuchs-Mittel	48.3 ---	50.3 -----	44.3 ---	46.6 -----	49.1 ---	49.0 -----
VK [%]	7.0	6.9	6.9	6.5	7.3	7.8
KGD (5%)	2.2	5.7	5.1	5.0	5.9	6.3
KGD (1%)	2.9	7.7	6.8	6.7	7.9	8.4
Versuchsstr.	3.4	3.5	3.1	3.0	3.6	3.8
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3562.8	19	16.57 ***	1.63	0.0000
Anbauorte	1663.3	5	29.40 ***	2.26	0.0000
WW Verf.*Anb.Orte	1734.7	95	1.61 ns	1.32	
Fehler	2580.1	228			
Insgesamt	9541.0	347			

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

Verfahren	1260 Nyon
ES Eurojet	50.3 -----
KWS Stabil	50.7 -----
LG 31211	48.9 ---
P8521	54.3 -----
ES Crossman	42.0 -
ES Hubble	50.2 -----
P7515	48.9 ---
LG 31219	47.1 ---
DKC 2990	49.6 ---
DKC 2684	52.2 -----
RH18001	48.3 ---
Anovi CS	55.1 -----
SB0747	50.0 ---
KWS Grandezza	48.2 ---
KXB7324	50.0 ---
KWS Gustavius	51.1 -----
KXB8133	51.8 -----
LG 30222	49.9 ---
Gottardo KWS	46.5 ---
P8307	58.6 -----
Bezugsgrösse(n)	46.4 ---
Versuchs-Mittel	50.2 -----
VK [%]	6.4
KGD (5%)	5.3
KGD (1%)	7.1
Versuchs-Streuung	3.2
FG Fehlerterm	38.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	8194		8046	
		Hüntwangen ZH		Reckenholz ZH	
ES Eurojet	1.1 ---	2.2 ---	0.0 -		
KWS Stabil	0.8 ---	0.0 -	1.5 -----		
LG 31211	3.2 -----	6.3 -----	0.0 -		
P8521	0.0 -	0.0 -	0.0 -		
ES Crossman	0.0 -	0.0 -	0.0 -		
ES Hubble	0.0 -	0.0 -	0.0 -		
P7515	0.3 -	0.0 -	0.6 ----		
LG 31219	0.0 -	0.0 -	0.0 -		
DKC 2990	0.0 -	0.0 -	0.0 -		
DKC 2684	0.0 -	0.0 -	0.0 -		
RH18001	0.3 -	0.7 -	0.0 -		
Anovi CS	0.0 -	0.0 -	0.0 -		
SB0747	0.0 -	0.0 -	0.0 -		
KWS Grandezza	0.0 -	0.0 -	0.0 -		
KXB7324	0.0 -	0.0 -	0.0 -		
KWS Gustavius	0.3 -	0.0 -	0.6 ----		
KXB8133	0.6 --	1.1 --	0.0 -		
LG 30222	0.0 -	0.0 -	0.0 -		
Gottardo KWS	0.0 -	0.0 -	0.0 -		
P8307	0.6 --	1.1 --	0.0 -		
Bezugsgrösse(n)	0.4 --	0.0 -	0.8 -----		
Versuchs-Mittel	0.4 --	0.6 -	0.1 -		
VK [%]	228.2	160.8	494.5		
KGD (5%)	0.9	1.5	ns		
KGD (1%)	1.2	2.0	ns		
Versuchs-Streuung	0.8	0.9	0.7		
FG Fehlerterm	76.0	38.0	38.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	61.4	19	4.87 ***	1.73	0.0000
Anbauorte	5.7	1	8.57 **	3.96	0.0045
WW Verf.*Anb.Orte	71.0	19	5.63 ***	1.73	0.0000
Fehler	50.5	76			
Insgesamt	188.6	115			

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

Verfahren	Seriemittel		1567 Delley FR	
ES Eurojet	1.0	-	1.0	-
KWS Stabil	1.3	-----	1.3	-----
LG 31211	1.0	-	1.0	-
P8521	1.0	-	1.0	-
ES Crossman	1.0	-	1.0	-
ES Hubble	1.0	-	1.0	-
P7515	1.0	-	1.0	-
LG 31219	1.0	-	1.0	-
DKC 2990	1.0	-	1.0	-
DKC 2684	1.0	-	1.0	-
RH18001	1.0	-	1.0	-
Anovi CS	1.3	-----	1.3	-----
SB0747	1.0	-	1.0	-
KWS Grandezza	1.0	-	1.0	-
KXB7324	1.0	-	1.0	-
KWS Gustavius	1.0	-	1.0	-
KXB8133	1.0	-	1.0	-
LG 30222	1.0	-	1.0	-
Gottardo KWS	1.3	-----	1.3	-----
P8307	1.3	-----	1.3	-----
-Bezugsgrösse(n)	1.2	----	1.2	----
Versuchs-Mittel	1.1	--	1.1	--
VK [%]	23.7		23.7	
KGD (5%)	ns		ns	
KGD (1%)	ns		ns	
Versuchs-Streuung	0.3		0.3	
FG Fehlerterm	38.0		38.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	8194		8046		1567		
		Hüntwangen ZH		Reckenholz ZH		Delley FR		
ES Eurojet	0.8	----	0.0	-	2.3	-----	0.0	-
KWS Stabil	1.4	-----	0.0	-	0.0	-	4.2	-----
LG 31211	0.3	--	0.0	-	0.8	---	0.0	-
P8521	0.0	-	0.0	-	0.0	-	0.0	-
ES Crossman	0.0	-	0.0	-	0.0	-	0.0	-
ES Hubble	0.0	-	0.0	-	0.0	-	0.0	-
P7515	0.2	-	0.6	----	0.0	-	0.0	-
LG 31219	0.4	---	1.3	-----	0.0	-	0.0	-
DKC 2990	0.0	-	0.0	-	0.0	-	0.0	-
DKC 2684	0.2	--	0.6	----	0.0	-	0.0	-
RH18001	0.4	---	0.0	-	1.3	-----	0.0	-
Anovi CS	1.7	-----	0.0	-	0.9	----	4.2	-----
SB0747	0.5	---	0.0	-	1.6	-----	0.0	-
KWS Grandezza	0.2	--	0.0	-	0.7	---	0.0	-
KXB7324	0.0	-	0.0	-	0.0	-	0.0	-
KWS Gustavius	0.0	-	0.0	-	0.0	-	0.0	-
KXB8133	0.0	-	0.0	-	0.0	-	0.0	-
LG 30222	0.2	--	0.0	-	0.7	---	0.0	-
Gottardo KWS	1.4	-----	0.0	-	0.0	-	4.2	-----
P8307	1.6	-----	0.6	----	0.0	-	4.2	-----
Bezugsgrösse(n)	0.7	----	0.0	-	0.0	-	2.1	----
Versuchs-Mittel	0.5	---	0.1	--	0.4	--	0.8	--
VK [%]	420.3		389.9		254.2		379.6	
KGD (5%)	ns		ns		ns		ns	
KGD (1%)	ns		ns		ns		ns	
Versuchs-Streuung	2.0		0.6		1.0		3.2	
FG Fehlerterm	114.0		38.0		38.0		38.0	
Anz. Beob.	9.0		3.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	57.2	19	0.79	ns	1.68	0.7154
Anbauorte	14.3	2	1.88	ns	3.07	0.1573
WW Verf.*Anb.Orte	141.0	38	0.97	ns	1.51	0.5224
Fehler	434.6	114				
Insgesamt	647.1	173				

Fusariose [note] / Stängelfäule [Note]

Verfahren	Seriemittel	8194		8046	
		Hüntwangen ZH		Reckenholz ZH	
ES Eurojet	1.9 ---	1.3 ---	2.5 -----		
KWS Stabil	2.3 -----	1.5 -----	3.0 -----		
LG 31211	1.9 ---	1.2 --	2.7 ----		
P8521	3.0 -----	2.0 -----	4.0 -----		
ES Crossman	1.1 -	1.0 -	1.2 -		
ES Hubble	1.3 --	1.0 -	1.7 --		
P7515	1.8 ---	1.5 -----	2.0 ---		
LG 31219	1.5 --	1.3 ---	1.7 --		
DKC 2990	1.8 ----	1.3 ---	2.3 ----		
DKC 2684	2.4 -----	1.5 -----	3.3 -----		
RH18001	1.4 --	1.0 -	1.8 ---		
Anovi CS	1.8 ---	1.0 -	2.5 -----		
SB0747	2.0 ----	1.3 ---	2.7 ----		
KWS Grandezza	1.6 ---	1.0 -	2.2 ----		
KXB7324	1.2 -	1.3 ---	1.0 -		
KWS Gustavius	1.3 -	1.0 -	1.5 --		
KXB8133	1.6 ---	1.2 --	2.0 ---		
LG 30222	1.8 ----	1.0 -	2.7 -----		
Gottardo KWS	1.9 ----	1.7 -----	2.2 ----		
P8307	1.5 --	1.5 -----	1.5 --		
Bezugsgrösse(n)	1.7 ---	1.3 ---	2.1 ----		
Versuchs-Mittel	1.8 ---	1.3 ---	2.2 ----		
VK [%]	39.9	34.4	39.8		
KGD (5%)	0.8	ns	1.5		
KGD (1%)	1.1	ns	ns		
Versuchs-Streuung	0.7	0.4	0.9		
FG Fehlerterm	76.0	38.0	38.0		
Anz. Beob.	6.0	3.0	3.0		

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	23.2	19	2.51 **	1.73	0.0025
Anbauorte	26.3	1	53.94 ***	3.96	0.0000
WW Verf.*Anb.Orte	11.6	19	1.25 ns	1.73	0.2456
Fehler	37.1	76			
Insgesamt	98.2	115			

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8194		8046		
		Hüntwangen ZH		Reckenholz ZH		
ES Eurojet	11.5	----	4.2	---	18.8	-----
KWS Stabil	15.6	-----	6.3	-----	25.0	-----
LG 31211	11.5	----	2.1	--	20.8	-----
P8521	25.0	-----	12.5	-----	37.5	-----
ES Crossman	1.5	-	0.0	-	2.9	-
ES Hubble	4.2	--	0.0	-	8.3	--
P7515	9.4	---	6.3	-----	12.5	---
LG 31219	6.3	--	4.2	---	8.3	--
DKC 2990	10.4	----	4.2	---	16.7	----
DKC 2684	17.7	-----	6.3	-----	29.2	-----
RH18001	5.2	--	0.0	-	10.4	---
Anovi CS	9.4	---	0.0	-	18.8	-----
SB0747	12.5	----	4.2	---	20.8	-----
KWS Grandezza	7.3	---	0.0	-	14.6	----
KXB7324	2.1	-	4.2	---	0.0	-
KWS Gustavius	3.1	-	0.0	-	6.3	--
KXB8133	7.3	---	2.1	--	12.5	---
LG 30222	10.4	----	0.0	-	20.8	-----
Gottardo KWS	11.5	----	8.3	-----	14.6	----
P8307	6.3	--	6.3	-----	6.3	--
Bezugsgrösse(n)	8.5	---	3.1	---	14.0	----
Versuchs-Mittel	9.4	---	3.5	---	15.3	----
VK [%]	92.9		156.0		72.4	
KGD (5%)	10.0		ns		18.3	
KGD (1%)	13.3		ns		ns	
Versuchs-Streuung	8.7		5.5		11.0	
FG Fehlerterm	76.0		38.0		38.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	3631.2	19	2.51	**	1.73	0.0025
Anbauorte	4112.6	1	53.94	***	3.96	0.0000
WW Verf.*Anb.Orte	1805.2	19	1.25	ns	1.73	0.2456
Fehler	5794.6	76				
Insgesamt	15343.5	115				

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	8194 Hüntwang. ZH	8046 Reckenh. ZH	3065 Habstetten	1725 Grangeneuve	1260 Nyon
ES Eurojet	23.4 -----	18.9 -----	19.5 ----	16.6 -----	44.5 -----	17.4 -----
KWS Stabil	5.6 --	4.8 --	13.0 ---	0.3 -	7.8 --	1.9 -
LG 31211	13.2 ---	5.2 ---	36.5 -----	3.0 --	19.1 ---	2.3 --
P8521	13.5 ----	10.2 ---	15.5 ---	10.1 ----	30.4 ----	1.6 -
ES Crossman	4.9 -	7.2 ---	4.6 --	1.5 -	11.0 ---	0.4 -
ES Hubble	16.9 -----	20.0 -----	10.9 ---	11.0 ----	33.1 -----	9.4 ----
P7515	15.0 ----	11.5 ----	24.1 ----	10.3 ----	20.1 ----	8.9 ----
LG 31219	5.8 --	9.3 ---	2.8 -	2.6 -	13.1 ---	1.4 -
DKC 2990	3.7 -	7.1 ---	4.3 --	0.4 -	5.8 --	0.8 -
DKC 2684	25.1 -----	21.6 -----	32.8 -----	21.4 -----	42.3 -----	7.5 ----
RH18001	2.5 -	0.0 -	11.6 ---	0.4 -	0.4 -	0.0 -
Anovi CS	8.7 ---	2.3 -	9.5 ---	9.9 ----	21.5 ----	0.4 -
SB0747	6.7 --	11.2 ----	5.7 --	1.0 -	12.6 ---	3.1 --
KWS Grandezza	10.0 ---	11.1 ----	5.6 --	3.0 --	27.1 ----	3.4 --
KXB7324	3.1 -	8.6 ----	0.0 -	0.4 -	5.3 -	1.1 -
KWS Gustavius	9.9 ---	14.2 -----	8.5 --	2.3 -	19.2 ----	5.1 ---
KXB8133	12.4 ----	7.1 ---	10.2 ---	8.6 ----	26.4 ----	9.9 ----
LG 30222	3.9 -	2.9 --	7.8 --	1.8 -	6.1 --	1.1 -
Gottardo KWS	9.6 ---	9.8 ----	7.9 --	2.7 -	21.2 ----	6.4 ----
P8307	10.5 ---	5.1 ---	15.9 ----	11.5 ----	14.6 ---	5.6 ---
Bezugsgrößen	5.3 --	6.0 ---	8.8 ---	0.9 -	9.4 --	1.2 -
Versuchs-Mittel	10.2 ---	9.4 ----	12.3 ---	5.9 ---	19.1 ----	4.4 ---
VK [%]	58.6	68.8	65.7	50.6	38.4	69.0
KGD (5%)	4.3	10.7	13.4	5.0	12.1	5.0
KGD (1%)	5.7	ns	18.0	6.7	16.2	6.7
Versuchs-Streuung	6.0	6.5	8.1	3.0	7.3	3.0
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	11471.9	19	16.82 ***		1.64	0.0000
Anbauorte	8160.7	4	56.82 ***		2.42	0.0000
WW Verf.*Anb.Orte	7373.0	76	2.70 ***		1.36	0.0001
Fehler	6821.7	190				
Insgesamt	33827.3	289				

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

Verfahren	Seriemittel	3065 Habstetten	1725 Grangeneuve	1260 Nyon
ES Eurojet	1.7 ----	0.0 -	1.2 --	3.8 -----
KWS Stabil	1.6 ----	1.0 -----	1.4 --	2.3 ----
LG 31211	2.6 -----	1.5 -----	4.6 -----	1.8 ---
P8521	1.9 -----	0.3 --	1.1 -	4.4 -----
ES Crossman	1.5 ----	0.7 ----	1.9 ---	1.8 ---
ES Hubble	1.6 ----	1.4 -----	1.1 -	2.5 ----
P7515	0.8 -	0.4 ---	0.7 -	1.4 --
LG 31219	1.1 ---	0.4 ---	0.7 -	2.2 ----
DKC 2990	1.0 --	0.3 --	1.4 --	1.1 --
DKC 2684	1.3 ---	0.7 ----	0.7 -	2.6 -----
RH18001	1.5 ----	1.1 -----	2.6 ----	0.7 -
Anovi CS	1.5 ----	0.7 ----	1.8 ---	2.1 ----
SB0747	1.2 ---	0.0 -	2.9 -----	0.7 -
KWS Grandezza	1.5 ----	0.3 --	0.7 -	3.4 -----
KXB7324	0.6 -	0.4 ---	0.7 -	0.8 -
KWS Gustavius	0.9 --	0.7 ----	0.7 -	1.4 --
KXB8133	1.8 -----	1.4 -----	1.1 -	2.9 ----
LG 30222	0.8 --	0.7 ----	0.7 -	1.1 --
Gottardo KWS	2.0 -----	0.4 ---	1.6 --	4.0 -----
P8307	1.1 --	0.4 ---	1.4 --	1.5 --
Bezugsgrösse(n)	1.5 ----	0.9 -----	1.7 ---	2.0 ----
Versuchs-Mittel	1.4 ----	0.6 ----	1.4 --	2.1 ----
VK [%]	118.2	103.3	156.7	77.2
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	1.7	0.7	2.3	1.6
FG Fehlerterm	114.0	38.0	38.0	38.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	39.8	19	0.76 ns	1.68	0.7478
Anbauorte	67.6	2	12.29 ***	3.07	0.0001
WW Verf.*Anb.Orte	95.8	38	0.92 ns	1.51	0.6115
Fehler	313.6	114			
Insgesamt	516.8	173			

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
ES Eurojet	5.0 -----	5.0 -----
KWS Stabil	4.7 -----	4.7 -----
LG 31211	4.7 -----	4.7 -----
P8521	6.0 -----	6.0 -----
ES Crossman	4.3 -----	4.3 -----
ES Hubble	4.3 -----	4.3 -----
P7515	4.3 -----	4.3 -----
LG 31219	5.7 -----	5.7 -----
DKC 2990	3.3 --	3.3 --
DKC 2684	5.0 -----	5.0 -----
RH18001	4.7 -----	4.7 -----
Anovi CS	4.7 -----	4.7 -----
SB0747	5.7 -----	5.7 -----
KWS Grandezza	4.7 -----	4.7 -----
KXB7324	3.7 ---	3.7 ---
KWS Gustavius	2.7 -	2.7 -
KXB8133	4.0 ----	4.0 ----
LG 30222	4.7 -----	4.7 -----
Gottardo KWS	4.0 ----	4.0 ----
P8307	5.3 -----	5.3 -----
Bezugsgrösse(n)	4.5 -----	4.5 -----
Versuchs-Mittel	4.6 -----	4.6 -----
VK [%]	15.2	15.2
KGD (5%)	1.1	1.1
KGD (1%)	1.5	1.5
Versuchs-Streuung	0.7	0.7
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	8194 Hüntw. ZH	8046 Reck. ZH	3065 Habstett.	1725 Grangen.
ES Eurojet	8.5 ---	9.6 -----	7.9 -----	9.2 ----	8.3 -
KWS Stabil	9.1 -----	9.8 -----	8.5 -----	9.7 -----	9.3 -----
LG 31211	8.9 ----	9.8 -----	8.0 -----	9.2 --	9.3 ----
P8521	9.0 -----	9.1 ---	9.2 -----	9.6 -----	9.2 ----
ES Crossman	8.2 -	8.7 --	7.0 ---	9.0 --	8.4 -
ES Hubble	9.4 -----	9.8 -----	9.0 -----	9.9 -----	9.3 -----
P7515	9.5 -----	10.2 -----	9.5 -----	9.7 -----	9.9 -----
LG 31219	9.0 ----	9.4 ----	9.1 -----	9.0 --	9.2 ----
DKC 2990	9.2 -----	10.0 -----	9.2 -----	9.5 -----	9.2 ----
DKC 2684	9.0 ----	9.3 ----	8.0 ----	9.5 -----	9.6 -----
RH18001	8.7 ----	8.6 -	8.5 -----	9.1 --	8.9 ----
Anovi CS	9.2 -----	9.6 -----	8.8 -----	9.5 -----	9.2 ----
SB0747	9.2 -----	9.5 ----	9.2 -----	9.9 -----	8.9 --
KWS Grandezza	9.2 -----	9.8 -----	9.0 -----	9.9 -----	9.3 ----
KXB7324	8.4 --	9.1 ---	5.6 -	9.6 -----	9.5 -----
KWS Gustavius	9.3 -----	9.3 ----	9.3 -----	9.8 -----	9.6 -----
KXB8133	9.2 -----	9.6 -----	9.2 -----	9.6 -----	9.5 -----
LG 30222	9.0 ----	9.2 ----	8.7 -----	9.3 ----	9.2 ----
Gottardo KWS	8.5 --	8.5 -	8.4 -----	8.8 -	8.8 --
P8307	9.3 -----	9.7 -----	9.4 -----	9.6 -----	9.6 -----
Bezugsgrößen	8.6 ---	9.3 ----	7.7 -----	9.4 -----	8.9 ---
Versuchs-Mittel	9.0 -----	9.4 ----	8.6 -----	9.5 ----	9.2 ----
VK [%]	4.7	5.4	6.7	3.9	4.1
KGD (5%)	0.3	0.8	0.9	0.6	0.6
KGD (1%)	0.4	1.1	1.3	0.8	0.8
Versuchsstr.	0.4	0.5	0.6	0.4	0.4
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	42.2	19	12.18 ***	1.63	0.0000
Anbauorte	59.9	5	65.78 ***	2.26	0.0000
WW Verf.*Anb.Orte	53.4	95	3.08 ***	1.32	0.0001
Fehler	41.5	228			
Insgesamt	197.0	347			

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

Verfahren	1567 Delley FR	1260 Nyon
ES Eurojet	8.3 ----	8.0 ---
KWS Stabil	8.3 -----	8.9 -----
LG 31211	8.2 -	9.1 -----
P8521	8.5 -----	8.5 ----
ES Crossman	8.5 -----	7.3 -
ES Hubble	8.5 -----	9.7 -----
P7515	8.5 -----	9.3 -----
LG 31219	8.2 --	9.0 -----
DKC 2990	8.5 -----	8.9 -----
DKC 2684	8.5 -----	8.9 -----
RH18001	8.5 -----	8.8 -----
Anovi CS	8.5 -----	9.4 -----
SB0747	8.4 ----	9.6 -----
KWS Grandezza	8.5 -----	8.8 ----
KXB7324	8.5 -----	8.4 ----
KWS Gustavius	8.5 -----	9.2 -----
KXB8133	8.5 -----	9.0 -----
LG 30222	8.5 -----	8.9 -----
Gottardo KWS	8.5 -----	8.3 ----
P8307	8.5 -----	9.1 -----
Bezugsgrösse(n)	8.4 -----	8.1 ---
Versuchs-Mittel	8.4 -----	8.8 -----
VK [%]	2.3	5.0
KGD (5%)	ns	0.7
KGD (1%)	ns	1.0
Versuchs-Streuung	0.2	0.4
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	8194 Hüntwang. ZH	3065 Habstetten	1725 Grangeneuve	1567 Delley FR	1260 Nyon
ES Eurojet	135.7 ---	137.3 --	134.2 ----	149.3 -----	122.7 ----	135.1 --
KWS Stabil	137.6 ----	147.5 ----	132.6 ----	144.0 ----	122.5 ----	141.2 ---
LG 31211	136.2 ---	141.3 ---	135.3 ---	146.9 -----	116.4 --	141.2 ---
P8521	134.4 ---	140.7 ---	133.9 ---	147.0 -----	108.8 -	141.7 ---
ES Crossman	147.7 -----	148.1 ----	146.8 -----	151.7 -----	141.8 -----	150.2 -----
ES Hubble	130.4 -	132.3 -	123.3 -	141.1 ----	125.1 ----	130.0 -
P7515	137.0 ----	142.6 ---	140.5 -----	143.4 ----	116.9 ---	141.5 ----
LG 31219	133.9 --	139.4 --	129.2 --	142.2 ----	109.8 -	148.7 ----
DKC 2990	136.4 ----	144.4 ----	135.4 ----	140.3 ---	117.5 ---	144.4 ----
DKC 2684	129.8 -	137.6 --	127.7 --	133.5 -	112.2 -	138.2 ---
RH18001	140.0 ----	158.2 -----	140.1 ----	142.8 ----	122.7 ----	136.4 --
Anovi CS	138.6 ----	143.5 ---	140.9 ----	149.6 -----	116.6 --	142.4 ----
SB0747	137.4 ----	145.6 ----	133.1 ---	140.1 ---	116.3 --	151.7 ----
KWS Grandezza	142.9 ----	155.4 ----	143.7 ----	141.8 ----	124.5 ----	149.0 ----
KXB7324	145.4 -----	158.4 -----	148.7 -----	132.3 -	126.0 ----	161.6 -----
KWS Gustavius	140.0 ----	146.3 ---	138.2 ----	135.1 --	132.0 ----	148.4 ----
KXB8133	139.0 ----	148.0 ----	140.6 -----	136.7 --	126.2 ----	143.4 ----
LG 30222	135.9 ---	144.7 ---	134.2 ---	143.6 ----	112.7 --	144.0 ----
Gottardo KWS	141.0 ----	155.5 ----	140.3 ----	133.2 -	120.4 ---	155.6 -----
P8307	145.2 -----	165.1 -----	147.0 -----	147.0 -----	120.5 ---	146.6 ----
Bezugs- größen	142.7 -----	147.8 ----	139.7 -----	147.8 -----	132.2 -----	145.7 ----
Versuchs- Mittel	138.2 ---	146.6 ---	137.3 ----	142.1 ----	120.6 --	144.6 ---
VK [%]	5.9	3.7	5.3	7.3	8.7	4.4
KGD (5%)	5.9	8.9	12.0	ns	ns	10.4
KGD (1%)	7.8	12.0	16.1	ns	ns	14.0
Versuchs- Streuung	8.2	5.4	7.3	10.3	10.5	6.3
FG	190.0	38.0	38.0	38.0	38.0	38.0
Fehlerterm						
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	6233.8	19	4.86 ***		1.64	0.0000
Anbauorte	26228.4	4	97.05 ***		2.42	0.0000
WW Verf.*Anb.Orte	8511.3	76	1.66 **		1.36	0.0031
Fehler	12837.6	190				
Insgesamt	53811.2	289				

Rendement relativ [%] / Relativertrag [%]

Verfahren	Seriemittel	8194 Hüntwang. ZH	3065 Habstetten	1725 Grangeneuve	1567 Delley FR	1260 Nyon
ES Eurojet	95.1 ---	92.9 --	96.0 ----	101.0 -----	92.8 ----	92.7 --
KWS Stabil	96.3 ----	99.8 ----	94.9 ----	97.4 ----	92.7 ----	96.9 ---
LG 31211	95.4 ---	95.6 ---	96.9 ----	99.4 -----	88.1 --	96.9 ---
P8521	94.0 ---	95.2 ---	95.9 ----	99.4 -----	82.3 -	97.3 ----
ES Crossman	103.7 -----	100.2 ----	105.1 -----	102.6 -----	107.3 -----	103.1 ----
ES Hubble	91.4 -	89.5 -	88.2 -	95.4 ----	94.7 ----	89.2 -
P7515	95.9 ----	96.4 ---	100.6 -----	97.0 ----	88.4 ---	97.1 ----
LG 31219	93.6 --	94.3 --	92.5 --	96.2 ----	83.1 -	102.1 ----
DKC 2990	95.5 ---	97.7 ----	96.9 ----	94.9 ----	88.9 ---	99.1 ----
DKC 2684	90.9 -	93.1 --	91.4 --	90.3 -	84.9 -	94.8 ---
RH18001	98.1 ----	107.0 -----	100.2 ----	96.6 ----	92.9 ----	93.6 --
Anovi CS	97.0 ----	97.1 ---	100.8 ----	101.2 -----	88.2 --	97.8 ----
SB0747	96.1 ----	98.5 ----	95.3 ----	94.7 ----	88.0 --	104.1 ----
KWS Grandezza	100.1 ----	105.1 ----	102.8 ----	95.9 ----	94.2 ----	102.2 ----
KXB7324	101.9 ----	107.1 ----	106.4 ----	89.5 -	95.4 ----	110.9 ----
KWS Gustavius	98.2 ----	99.0 ---	98.9 ----	91.4 --	99.8 ----	101.8 ----
KXB8133	97.4 ----	100.1 ---	100.6 ----	92.4 --	95.5 ----	98.4 ----
LG 30222	95.0 ---	97.9 ---	96.1 ---	97.1 ----	85.3 --	98.9 ----
Gottardo KWS	98.7 ----	105.2 ----	100.4 ----	90.1 -	91.1 ---	106.8 ----
P8307	101.6 ----	111.7 ----	105.2 ----	99.4 ----	91.2 ---	100.7 ----
Bezugsgrößen	100.0 ----	100.0 ---	100.0 ----	100.0 ----	100.0 ----	100.0 ----
Versuchs- Mittel	96.8 ---	99.2 ---	98.3 ----	96.1 ----	91.2 ---	99.2 ---
VK [%]	6.0	3.7	5.3	7.3	8.7	4.4
KGD (5%)	4.2	6.0	8.6	ns	ns	7.2
KGD (1%)	5.5	8.1	11.5	ns	ns	9.6
Versuchs- Streuung	5.8	3.7	5.2	7.0	7.9	4.3
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3110.3	19	4.80 ***	1.64	0.0000
Anbauorte	2706.8	4	19.84 ***	2.42	0.0000
WW Verf.*Anb.Orte	4212.1	76	1.62 **	1.36	0.0043
Fehler	6480.9	190			
Insgesamt	16510.1	289			

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	8194 Hüntw. ZH	8046 Reck. ZH	3065 Habstetten	1725 Grangen.	1567 Delley FR
ES Eurojet	70.5 ----	71.3 -----	75.7 -----	62.2 -----	73.2 -----	71.0 ---
KWS Stabil	73.1 -----	74.4 -----	77.5 -----	65.0 -----	74.4 -----	72.8 -----
LG 31211	70.5 ----	69.8 ---	73.0 ----	62.6 -----	75.0 -----	70.8 ---
P8521	72.4 -----	73.2 -----	76.7 -----	64.6 -----	72.7 ----	72.5 -----
ES Crossman	69.1 -	70.0 ---	72.3 ----	58.5 -	71.8 ---	70.1 --
ES Hubble	69.5 --	69.4 --	74.2 -----	59.9 --	72.4 ----	69.8 -
P7515	71.0 -----	70.6 ----	74.9 -----	63.3 -----	73.5 -----	71.2 ----
LG 31219	69.7 --	71.0 ---	73.9 ----	60.4 ---	71.7 ---	69.6 -
DKC 2990	71.4 -----	72.2 -----	76.1 -----	60.8 ---	73.4 -----	71.6 ----
DKC 2684	72.7 -----	73.9 -----	78.6 -----	63.2 -----	71.5 ---	73.4 -----
RH18001	71.3 -----	71.9 ----	74.9 -----	64.8 -----	72.2 ----	71.9 ----
Anovi CS	72.7 -----	73.3 -----	77.3 -----	65.0 -----	73.4 -----	73.8 -----
SB0747	72.9 -----	73.9 -----	77.3 -----	65.0 -----	74.3 -----	74.0 -----
KWS Grandezza	69.0 -	68.0 -	72.1 ----	59.6 --	72.6 ----	70.2 --
KXB7324	68.6 -	69.4 --	67.0 -	60.6 ---	71.7 ---	70.3 --
KWS Gustavius	71.4 -----	70.1 ---	75.3 -----	63.2 -----	74.5 -----	71.5 ----
KXB8133	70.8 -----	71.2 ----	75.4 -----	62.3 -----	73.4 -----	71.0 ---
LG 30222	70.6 ----	71.8 ----	73.1 ----	63.5 -----	72.7 ----	70.6 --
Gottardo KWS	69.9 ---	70.9 ---	74.6 -----	60.6 ---	70.2 -	71.1 ---
P8307	72.3 -----	73.0 -----	75.4 -----	63.8 -----	72.1 ----	73.9 -----
Bezugsgrößen	71.1 -----	72.2 -----	74.9 -----	61.8 -----	73.1 -----	71.5 -----
Versuchs-Mittel	71.0 -----	71.5 ----	74.8 -----	62.5 -----	72.8 ----	71.5 ----
VK [%]	1.2	0.7	0.9	1.5	1.9	1.1
KGD (5%)	0.6	0.8	1.1	1.6	2.3	1.3
KGD (1%)	0.8	1.1	1.5	2.1	ns	1.7
Versuchsstr.	0.9	0.5	0.7	0.9	1.4	0.8
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	670.6	19	46.61 ***	1.63	0.0000
Anbauorte	5660.2	5	1495.13 ***	2.26	0.0000
WW Verf.*Anb.Orte	434.9	95	6.05 ***	1.32	0.0000
Fehler	172.6	228			
Insgesamt	6938.3	347			

Précocité [% MS] / Frühreife [% TS]

Verfahren	1260 Nyon
ES Eurojet	69.8 -
KWS Stabil	74.8 -----
LG 31211	72.0 ----
P8521	74.6 -----
ES Crossman	71.6 ---
ES Hubble	71.3 ---
P7515	72.8 ----
LG 31219	71.4 ---
DKC 2990	74.6 -----
DKC 2684	75.6 -----
RH18001	72.3 ----
Anovi CS	73.8 -----
SB0747	73.0 ----
KWS Grandezza	71.7 ---
KXB7324	72.5 ----
KWS Gustavius	73.6 -----
KXB8133	71.8 ---
LG 30222	71.8 ---
Gottardo KWS	72.2 ----
P8307	75.4 -----
Bezugsgrösse(n)	73.2 -----
Versuchs-Mittel	72.8 ----
VK [%]	0.9
KGD (5%)	1.1
KGD (1%)	1.5
Versuchs-Streuung	0.7
FG Fehlerterm	38.0
Anz. Beob.	3.0

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

Verfahren	Seriemittel	1567 Delley FR
ES Eurojet	29.0 -----	29.0 -----
KWS Stabil	27.2 ---	27.2 ---
LG 31211	29.2 -----	29.2 -----
P8521	27.5 ---	27.5 ---
ES Crossman	29.9 -----	29.9 -----
ES Hubble	30.2 -----	30.2 -----
P7515	28.8 -----	28.8 -----
LG 31219	30.4 -----	30.4 -----
DKC 2990	28.4 ----	28.4 ----
DKC 2684	26.6 --	26.6 --
RH18001	28.1 ----	28.1 ----
Anovi CS	26.2 -	26.2 -
SB0747	26.0 -	26.0 -
KWS Grandezza	29.8 -----	29.8 -----
KXB7324	29.7 -----	29.7 -----
KWS Gustavius	28.5 ----	28.5 ----
KXB8133	29.0 -----	29.0 -----
LG 30222	29.4 -----	29.4 -----
Gottardo KWS	28.9 -----	28.9 -----
P8307	26.1 -	26.1 -
Bezugsgrösse(n)	28.5 ----	28.5 ----
Versuchs-Mittel	28.5 ----	28.5 ----
VK [%]	2.7	2.7
KGD (5%)	1.3	1.3
KGD (1%)	1.7	1.7
Versuchs-Streuung	0.8	0.8
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

PHL moissonneuse [kg/hl] / HLG Mähdrescher [kg/hl]

Verfahren	Seriemittel	8194 Hüntwangen ZH	8046 Reckenholz ZH
ES Eurojet	65.5 -----	65.1 -----	65.9 -----
KWS Stabil	67.3 -----	66.8 -----	67.8 -----
LG 31211	65.4 -----	66.5 -----	64.4 -----
P8521	60.4 --	60.6 --	60.1 --
ES Crossman	66.7 -----	66.8 -----	66.5 -----
ES Hubble	66.4 -----	66.5 -----	66.3 -----
P7515	59.1 -	59.3 -	59.0 -
LG 31219	66.4 -----	66.7 -----	66.0 -----
DKC 2990	66.4 -----	66.0 -----	66.9 -----
DKC 2684	67.5 -----	66.8 -----	68.2 -----
RH18001	65.2 ----	66.0 ----	64.4 ----
Anovi CS	67.2 -----	67.4 -----	66.9 -----
SB0747	67.6 -----	67.3 -----	68.0 -----
KWS Grandezza	63.8 ----	64.6 ----	63.0 ----
KXB7324	63.4 ----	63.3 ----	63.5 ----
KWS Gustavius	63.4 ----	63.3 ----	63.6 ----
KXB8133	65.2 -----	65.3 -----	65.1 -----
LG 30222	67.5 -----	68.0 -----	66.9 -----
Gottardo KWS	66.9 -----	67.9 -----	65.9 -----
P8307	62.3 ---	62.3 ---	62.3 ---
Bezugsgrösse(n)	67.0 -----	66.8 -----	67.2 -----
Versuchs-Mittel	65.2 -----	65.3 -----	65.0 -----
VK [%]	0.5	0.4	0.5
KGD (5%)	0.4	0.5	0.5
KGD (1%)	0.5	0.6	0.7
Versuchs-Streuung	0.3	0.3	0.3
FG Fehlerterm	76.0	38.0	38.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	663.7	19	362.88 ***	1.73	0.0000
Anbauorte	2.6	1	26.81 ***	3.96	0.0000
WW Verf.*Anb.Orte	28.1	19	15.37 ***	1.73	0.0000
Fehler	7.3	76			
Insgesamt	701.8	115			

3.2 Serie mittelfrüh / Série mi-précoce

3.2.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2019	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	07.05.19	13.11.19
1567	Corcelles / Delley	441	17.05.19	11.11.19
1725	Grangeneuve	654	15.05.19	28.10.19
3065	Habstetten	620	17.05.19	31.10.19
8046	Reckenholz	440	25.04.19	24.10.19
8194	Hüntwangen	384	15.05.19	23.10.19
8566	Ellighausen	503	25.05.19	+

+ nicht beobachtet/geerntet (starker Drahtwurmschaden) / ne pas suivi/récolté (dégât important de vers fil de fer)

3.2.2 Sorten / Status

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
ES Albatros	ES Albatros	SC	Euralis, F	Euralis	KM11/S	SM11/S
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, Manno	KM11/S	
P8307	X85F816	SC	Pioneer	Pioneer, Manno	KM11/S	
DKC 3380	ER3380	SC	Monsanto, USA	Monsanto, Morges	KM11/e2	
Dentrico	KXB6324	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e2	
SM H0205	SM H0205	SC	von Moreau Saatzucht, D	Samen Steffen, Langenthal	KM11/2.	
SY Calo	SB1285	SC	Syngenta, CH	Syngenta, Dielsdorf	KM11/e2	
ES Katamaran	ESZ7107	SC	Euralis, F		KM11/e1	SM11/e1
RH17050	RH17050	SC	RAGT 2n, F	Fenaco, Moudon	KM11/e1	
RH18021	RH18021	SC	RAGT 2n, F	Fenaco, Moudon	KM11/e1	
LG 31219	LZM 166/73	SC	Limagrain Europe	Fenaco, Moudon	KM11/e1	SM01/e2
X85N982	X85N982	SC	Pioneer	Pioneer, Manno	KM11/e1	
KXB8250	KXB8250	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM11/e1	
KXB8321	KXB8321	SC	KWS, Einbeck	KWS Suisse SA, Basel	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 Versuchsangaben / données techniques / technical information							
Standort / lieu / site:	Nyon (430 m ü.M.)	Gletterens (480 m ü.M.)	Grangeneuve (650 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	
Bodenart / type de sol / soil type:	limono sableux	Limon	moyen	sandiger Lehm	Braunerde	Braunerde, tiefgründig, sandiger Lehm	
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. irrigation 30 mm; 24.07. irrigation 30 mm; pluviométrie : 591 mm 2065.9 °C	568.8 mm (selon AgroMeteo, station Delley) 1915.7°C (selon AgroMeteo, station Delley, seuil 6°C)	486.4 mm 1711.0 °C (selon AgroMeteo, station Düdingen)	589 mm 1789.2 °C	630.7 mm 1885.6 °C	500.1 mm (Meteostation WII) 1890.3 °C (Meteostation WII)	
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellegrösse / grandeur d'une parcelle / plot size:	4reihig, mit 0.8m Weg (22.4m2 brutto), 10m2 netto	Semé: 17 m2 per single plot (brut, avec chemin), 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 0.8m Weg (22.4m2 brutto), 10 m2 netto	4reihig, mit 0.8m 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	
Vorfrucht / précédent cultural / previous crop:	luzerne	Blé de printemps	prairie	maïs	Kunstwiese / prairie temporaire / temporary grassland	Raps - Zwischenbegrünung (UFA Alpha)	
Bodenbearbeitung / travail du sol / soil cultivation:	13.11.2018 labour charrue; 01. 04. 2019 cultivateur; 06. 05. 2019 herse rotative	25.02.2019; Labour 16.05.2019; Herse rotative	Pflug (13.5.19) und Kreiselegge (14.5.2019) / charrue et herse rotative / plough and rotary harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Pflug (27.11.18); Federzähnelegge (23.4.19; 24.4.19) / charrue, herse et herse rotative / plough, harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	
Saat / date de semis / sowing date:	07.05.2019	17.05.2019 (jour 137)	15.05.2019	17.05.2019	25.04.2019	15.05.2019	
Ernte / date de récolte / harvest date:	13.11.2019	11.11.2019 (jour 315)	28.10.2019	31.10.2019	24.10.2019	23.10.2019	

Technische Versuchsanlagen / données techniques / technical information										
Standort / lieu / site:	Nyon (430 m ü.M.)	Gletterens (480 m ü.M.)	Grangeneuve (650 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)				
Saatdichte / densité de semis / sowing density:	9.5 Körner / grains pro m ²	Semis: 10.5 grains / m ² KM01: Eclairci 10 pl/m ² ; KM11: Eclairci 9.1 pl/m ²	9.1 Körner / grains pro m ²	9.1 Körner / grains pro m ²	10.1 Körner / grains pro m ²	10.1 Körner / grains pro m ²				
Vegetationsdauer / durée de végétation / growing period	190 Tage / jours / days	178 jours	166 Tage / jours / days	167 Tage / jours / days	182 Tage / jours / days	161 Tage / jours / days				
Reihenabstand / inter lignes / row distance:	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm				
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	03.06.2019 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 (06.06.2019)	19.06.2019: Equip Power (2.18 L/ha) + Banvel 4S (0.437 L/ha)	17.6.19: 1.5 l/ha Equip Power	Calaris 1.5 l/ha + Dual Gold 1.2 l/ha 4 06 19	18.6: Aspect 2.0 l/ha, Banvel 4S 0.5 l/ha, Laudis 2.0 l/ha	14.6.19 Aspect 1.5 l/ha; Laudis 2.0 l/ha; Bacalon Aqua 2.0 l/ha				
Grunddüngung / fumure de base / basic fertilisation:	50 t fäulter/ha (28.03.2019); 120 kg P/ha; 250 kg K/ha	21.01.2019: Landor 0.20.30 (300 kg/ha)	-	16 04 'kall 60 % 200 kg/ha Granuphos 17 % 310 kg /ha	-	Schweinegülle 38N/ha,38P2O5/ha, DAP26N/ha,26P2O5/ha,Harnstoff 60N/ha, Kall 200 K2O/ha, Kieserit 20 Mg/ha (6.5.19)				
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacale 27.5.60 kg N/ha; urée perlée 46 % 20.06.60 kg N/ha	24.04.2019: Sulfamid 30.0.0 (500 kg/ha) 18.06.2019:Sulfamid 30.0.0 (100 kg/ha)	23.05.19 Nitrate 24 %; 100 kg /ha; 28.06.19: urée 46 %; 190 kg N/ha	28 05 40.5 N ammonitrate 14 06 82 N Harnstoff Urée	Mg-Ammonsalpeter 52 kg N/ha (3.6.)	Harnstoff 53 N/ha (8.6.19)				
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	87 kg N/ha (1.5.2019)	-				
Ernte / Récolte / harvest:	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup C85	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Wintersteiger Delta Maisdrescher / 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						
P8307	S	3.03	2.50	0.18			0.00	0.00	-0.48	-0.13	5.11
Dentrico	e2	-0.37	-0.16	0.32			0.00	0.00	-0.09	0.22	-0.09
RH18021	e1	1.88	-6.12	0.39			0.00	0.00	0.88	0.30	-2.67
ES Katamaran	e1	-2.60	-1.31	0.11			0.00	0.00	0.61	0.30	-2.88
Gottardo KWS	FS	-0.98	-2.87	0.33			0.00	0.00	-0.13	0.30	-3.34
KXB8250	e1	2.95	-6.87	0.31			0.00	0.00	-1.33	0.30	-4.64
P8409	S	-3.03	-2.50	-0.18			0.00	0.00	0.48	0.13	-5.11
RGT Chromixx	S	-4.30	-2.54	0.36			0.00	0.00	0.81	0.30	-5.37
Benedictio KWS	S	-4.71	-2.18	0.50			0.00	0.00	0.26	-0.04	-6.17
DKC 3380	e2	-5.02	-2.84	0.22			0.00	0.00	0.67	0.30	-6.66
SY Telias	T	-4.55	-2.71	0.53			0.00	0.00	-0.72	0.30	-7.16
SY Calo	e2	-3.45	-4.73	0.36			0.00	0.00	-0.70	0.30	-8.22
SM H0205	2	-7.50	-1.53	0.42			-0.16	0.00	-0.26	0.04	-9.00
SY Talisman	S	-8.16	-1.81	0.33			0.00	0.00	-0.52	0.30	-9.85
LG 31219	e1	-6.70	-4.48	0.38			0.00	0.00	0.32	0.13	-10.35
X85N982	e1	-2.15	-8.04	-0.03			0.00	0.00	-0.61	0.30	-10.53
RH17050	e1	-2.22	-8.92	0.22			0.00	-0.52	0.26	0.30	-10.87
Figaro	T	-6.19	-5.94	0.36			0.00	0.00	0.35	0.30	-11.12
KXB8321	e1	-3.76	-9.31	0.14			0.00	0.00	-0.67	0.30	-13.30
ES Albatros	S	-14.53	-7.66	0.56			0.00	0.00	0.51	0.13	-20.99
Bezugsgrößen		0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
Anzahl Beob.		18	18	15	0	3	3	15	3		
Anzahl Orte		6	6	5	0	1	1	5	1		
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 Note	Stängel- bruch Ernte %	Stängel fäule Note
ES Albatros	3.7	74.4	78.0	241.7	119.7	50.0	0.0	1.0	0.0	1.3
SY Talisman	4.2	74.1	76.9	237.3	108.0	46.2	0.0	1.0	0.0	1.0
RGT Chromixx	4.1	74.4	76.8	239.7	119.3	50.5	0.0	1.0	0.0	1.0
Benedictio KWS	3.8	75.2	77.7	248.3	123.7	50.4	0.0	1.0	0.0	1.7
P8409	5.4	75.8	78.7	226.7	119.7	51.9	0.0	1.0	0.0	1.3
P8307	4.6	75.6	78.2	226.0	122.7	54.8	0.0	1.0	0.0	1.8
DKC 3380	4.5	75.3	77.6	243.3	109.0	44.5	0.0	1.0	0.0	1.0
Dentrico	4.2	75.3	78.1	226.7	110.3	48.7	0.0	1.0	0.0	1.2
SM H0205	4.0	75.0	77.3	250.0	109.0	43.8	1.3	1.0	0.0	1.5
SY Calo	4.1	74.9	77.3	220.7	100.7	45.9	0.0	1.0	0.0	1.0
ES Katamaran	4.7	76.2	78.4	238.0	122.0	50.9	0.0	1.0	0.0	1.0
RH17050	4.5	74.9	77.6	236.7	114.3	48.7	0.0	1.3	4.2	1.0
RH18021	4.1	75.3	78.0	243.7	125.7	51.6	0.0	1.0	0.0	1.0
LG 31219	4.1	73.3	75.3	248.0	112.0	45.0	0.0	1.0	0.0	1.3
X85N982	5.1	76.3	79.3	244.3	114.3	46.9	0.0	1.0	0.0	1.0
KXB8250	4.3	75.2	78.1	242.7	116.3	48.8	0.0	1.0	0.0	1.0
KXB8321	4.7	76.1	78.7	225.3	112.7	50.6	0.0	1.0	0.0	1.0
SY Telias	3.7	75.0	77.7	223.7	112.7	50.9	0.0	1.0	0.0	1.0
Figaro	4.1	75.9	78.1	246.0	123.8	50.9	0.0	1.0	0.0	1.0
Gottardo KWS	4.2	73.6	76.2	243.0	105.3	44.3	0.0	1.0	0.0	1.0
Bezugsgrösse(n)	5.0	75.7	78.4	226.3	121.2	53.3	0.0	1.0	0.0	1.6
Versuchs-Mittel	4.3	75.1	77.7	237.6	115.1	48.8	0.1	1.0	0.2	1.2
VK [%]	11.6	0.9	0.8	4.8	7.6	6.9	774.6	12.7	774.6	30.9
KGD (5%)	0.4	0.5	0.5	8.2	6.3	2.2				
KGD (1%)	0.5	0.6	0.7	10.8	8.3	2.9				
Versuchs-Streuung	0.5	0.7	0.6	11.4	8.8	3.4	0.5	0.1	1.6	0.4
FG Fehlerterm	190.0	189.0	113.0	189.0	189.0	227.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	15.0	9.0	15.0	15.0	18.0	3.0	3.0	3.0	3.0
Anz. Orte	5.0	5.0	3.0	5.0	5.0	6.0	1.0	1.0	1.0	1.0
Minimum	3.7	73.3	75.3	220.7	100.7	43.8	0.0	1.0	0.0	1.0
Maximum	5.4	76.3	79.3	250.0	125.7	54.8	1.3	1.3	4.2	1.8

Sorten Bezeichnung	Stängel fäule %	Beulen- brand %	Mais- zünsl. %	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %	Feuch.- Mess- gerät %	HLG Ernte- masch. kg/hl
ES Albatros	4.2	2.1	3.4	4.7	8.2	129.0	85.7	68.0	29.9	67.7
SY Talisman	0.0	7.1	1.3	5.0	8.6	138.6	92.2	70.4	27.9	66.2
RGT Chromixx	0.0	0.7	1.8	3.7	8.1	144.4	95.9	70.1	28.3	65.0
Benedictio KWS	8.3	3.3	2.8	4.3	8.5	143.8	95.5	70.2	27.9	65.9
P8409	4.2	2.3	2.3	5.0	8.4	146.3	96.8	70.0	29.0	64.3
P8307	10.4	6.9	1.0	5.0	8.5	155.5	103.2	72.1	25.8	63.1
DKC 3380	0.0	1.4	1.2	4.7	8.7	143.3	95.0	70.0	28.4	66.5
Dentrico	2.1	5.0	1.1	4.3	8.5	150.3	99.8	71.0	28.8	63.9
SM H0205	6.3	5.9	1.0	4.0	8.5	139.6	92.9	70.5	28.1	66.0
SY Calo	0.0	8.0	1.3	4.0	8.2	145.7	96.7	69.2	29.7	67.0
ES Katamaran	0.0	1.7	2.8	4.0	8.7	147.0	97.7	70.6	28.7	64.2
RH17050	0.0	3.3	0.5	3.7	8.5	147.6	97.9	67.5	31.1	64.7
RH18021	0.0	0.4	1.8	3.3	8.7	153.7	101.8	68.7	30.4	65.7
LG 31219	4.2	3.1	2.1	5.3	8.4	140.8	93.3	69.3	30.6	66.5
X85N982	0.0	7.5	2.4	4.0	8.8	147.6	98.0	67.9	30.2	63.3
KXB8250	0.0	11.0	2.5	2.7	8.8	155.4	103.0	68.4	29.9	62.3
KXB8321	0.0	7.8	0.9	4.0	8.4	145.2	96.3	67.4	30.2	63.4
SY Telias	0.0	8.1	1.4	3.3	8.6	144.0	95.7	70.0	28.5	66.1
Figaro	0.0	2.9	2.0	4.3	8.1	141.6	94.1	68.7	30.6	66.6
Gottardo KWS	0.0	5.2	2.1	3.3	8.1	149.4	98.9	70.0	28.2	66.8
Bezugsgrösse(n)	7.3	4.6	1.7	5.0	8.4	150.9	100.0	71.1	27.4	63.7
Versuchs-Mittel	2.0	4.7	1.8	4.1	8.5	145.4	96.5	69.5	29.1	65.2
VK [%]	226.0	89.4	94.0	24.3	7.4	5.3	5.3	1.3	3.0	0.7
KGD (5%)		3.0	1.6		0.4	5.1	3.4	0.6	1.5	0.5
KGD (1%)		4.0			0.5	6.7	4.4	0.8	2.0	0.7
Versuchs-Streuung	4.5	4.2	1.7	1.0	0.6	7.7	5.1	0.9	0.9	0.5
FG Fehlerterm	38.0	189.0	114.0	38.0	228.0	227.0	227.0	227.0	38.0	75.0
Anz. Beob.	3.0	15.0	9.0	3.0	18.0	18.0	18.0	18.0	3.0	6.0
Anz. Orte	1.0	5.0	3.0	1.0	6.0	6.0	6.0	6.0	1.0	2.0
Minimum	0.0	0.4	0.5	2.7	8.1	129.0	85.7	67.4	25.8	62.3
Maximum	10.4	11.0	3.4	5.3	8.8	155.5	103.2	72.1	31.1	67.7

3.2.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8194 Hüntw. ZH
ES Albatros	3.7 -	5.0 ---	2.7 --	4.0 -	4.0 -	2.7 -
SY Talisman	4.2 ---	5.3 ----	4.0 ----	4.3 --	4.3 ---	3.0 --
RGT Chromixx	4.1 ---	5.0 ---	3.0 ---	4.7 ---	4.7 ----	3.3 ----
Benedictio KWS	3.8 -	4.7 --	2.0 -	5.0 ----	4.3 ---	3.0 --
P8409	5.4 -----	6.3 -----	5.0 -----	6.0 -----	5.3 -----	4.3 -----
P8307	4.6 -----	5.7 -----	4.0 -----	5.0 -----	5.0 -----	3.2 ---
DKC 3380	4.5 ---	5.3 ----	4.7 ----	4.7 ---	4.7 ----	3.0 --
Dentrico	4.2 ---	5.3 ----	3.0 ---	5.0 ----	4.3 ---	3.5 ----
SM H0205	4.0 --	5.0 ---	3.0 ---	4.7 ---	4.3 ---	3.0 --
SY Calo	4.1 ---	5.0 ---	4.0 ----	4.7 ---	4.3 ---	2.7 -
ES Katamaran	4.7 ----	5.7 ----	4.0 ----	5.0 ----	5.0 ----	4.0 ----
RH17050	4.5 ---	5.0 ---	3.7 ----	5.3 ----	4.7 ----	3.7 ----
RH18021	4.1 --	5.0 ---	3.0 ---	4.7 ---	4.3 ---	3.3 ---
LG 31219	4.1 ---	5.0 ---	3.0 ---	4.7 ---	4.7 ----	3.2 ---
X85N982	5.1 ----	6.0 ----	5.0 ----	5.3 ----	5.0 ----	4.0 ----
KXB8250	4.3 ---	5.0 ---	3.0 ---	5.3 ----	5.0 ----	3.0 --
KXB8321	4.7 ----	6.0 ----	3.3 ---	5.3 ----	5.0 ----	3.7 ----
SY Telias	3.7 -	4.3 -	2.3 -	4.7 ---	4.3 ---	3.0 --
Figaro KWS	4.1 ---	5.0 ---	3.0 ---	4.7 ---	4.7 ----	3.3 ----
Gottardo KWS	4.2 ---	5.3 ----	4.0 ----	4.3 --	4.3 ---	3.0 --
Bezugsgrößen	5.0 -----	6.0 -----	4.5 -----	5.5 -----	5.2 -----	3.8 -----
Versuchs-Mittel	4.3 ---	5.3 ---	3.5 ----	4.9 ---	4.6 ---	3.3 ---
VK [%]	11.6	6.7	16.9	9.9	10.4	17.3
KGD (5%)	0.4	0.6	1.0	0.8	ns	ns
KGD (1%)	0.5	0.8	1.3	1.1	ns	ns
Versuchs-Streuung	0.5	0.4	0.6	0.5	0.5	0.6
FG Fehlerterm	190.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	52.7	19	11.04 ***	1.64	0.0000	
Anbauorte	180.5	4	179.67 ***	2.42	0.0000	
WW Verf.*Anb.Orte	30.1	76	1.58 **	1.36	0.0067	
Fehler	47.7	190				
Insgesamt	311.0	289				

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntw. ZH
ES Albatros	74.4 ----	75.7 -----	68.3 -	69.3 -	88.3 -----	70.3 ----
SY Talisman	74.1 ---	75.0 -----	69.3 --	69.3 -	86.7 -	70.0 ---
RGT Chromixx	74.4 ----	74.7 ----	69.7 ---	70.0 ---	87.7 ---	70.0 ---
Benedictio KWS	75.2 -----	75.3 -----	72.0 -----	71.0 -----	87.3 --	70.3 ----
P8409	75.8 -----	76.0 -----	72.3 -----	70.7 -----	89.0 -----	71.0 -----
P8307	75.6 -----	76.3 -----	72.0 -----	70.7 -----	88.3 -----	70.7 -----
DKC 3380	75.3 -----	75.7 -----	71.3 ----	71.0 -----	88.0 ----	70.7 ----
Dentrico	75.3 -----	75.7 -----	71.0 ----	70.7 -----	88.7 -----	70.3 ----
SM H0205	75.0 ----	75.3 ----	70.3 ---	70.7 -----	88.0 ----	70.7 ----
SY Calo	74.9 ----	76.0 -----	70.7 ---	70.0 ---	88.0 ----	70.0 ---
ES Katamaran	76.2 -----	76.0 -----	72.7 -----	71.3 -----	89.3 -----	71.7 -----
RH17050	74.9 ----	75.0 ----	71.0 ----	70.0 ---	87.7 ---	70.7 ----
RH18021	75.3 ----	74.3 ----	71.7 ----	70.3 ----	88.7 ----	71.7 ----
LG 31219	73.3 -	71.3 -	69.0 --	69.7 --	87.0 -	69.3 -
X85N982	76.3 -----	77.0 -----	73.3 -----	70.3 ----	89.0 -----	72.0 -----
KXB8250	75.2 -----	75.7 -----	71.0 ----	70.3 ----	88.0 ----	71.0 ----
KXB8321	76.1 -----	75.7 -----	72.7 -----	70.7 ----	89.7 -----	72.0 -----
SY Telias	75.0 ----	75.0 ----	71.0 ----	70.3 ----	88.0 ----	70.7 ----
Figaro KWS	75.9 -----	76.0 -----	72.7 -----	70.3 ----	89.0 -----	71.7 -----
Gottardo KWS	73.6 -	73.7 ---	68.7 -	69.3 -	87.3 --	69.0 -
Bezugsgrösse(n)	75.7 -----	76.2 -----	72.2 -----	70.7 -----	88.7 -----	70.8 -----
Versuchs-Mittel	75.1 ----	75.3 ----	71.0 ----	70.3 ---	88.2 ----	70.7 ----
VK [%]	0.9	0.9	1.3	0.9	0.5	0.9
KGD (5%)	0.5	1.1	1.5	1.1	0.8	1.0
KGD (1%)	0.6	1.5	2.0	ns	1.0	1.4
Versuchs-Streuung	0.7	0.7	0.9	0.6	0.5	0.6
FG Fehlerterm	189.0	38.0	38.0	38.0	37.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert		F(95%)	P0
Verfahren	197.3	19	22.63 ***		1.64	0.0000
Anbauorte	13817.2	4	7529.75 ***		2.42	0.0000
WW Verf.*Anb.Orte	95.0	76	2.72 ***		1.36	0.0001
Fehler	86.7	189				
Insgesamt	14196.1	288				

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

Verfahren	Seriemittel	1260 Nyon	8046 Reckenholz ZH	8194 Hüntwangen ZH
ES Albatros	78.0 -----	75.3 -----	88.7 -----	70.0 ----
SY Talisman	76.9 ----	74.0 ----	87.3 -	69.3 --
RGT Chromixx	76.8 ---	73.3 ----	87.7 --	69.3 --
Benedictio KWS	77.7 ----	74.7 -----	88.0 ---	70.3 ----
P8409	78.7 -----	75.7 -----	89.3 -----	71.0 -----
P8307	78.2 -----	75.3 -----	88.7 -----	70.7 -----
DKC 3380	77.6 ----	74.7 ----	88.7 ----	69.3 --
Dentrico	78.1 ----	75.0 ----	89.3 ----	70.0 ----
SM H0205	77.3 ----	74.3 ----	88.0 ---	69.7 --
SY Calo	77.3 ----	75.0 -----	88.0 ---	69.0 -
ES Katamaran	78.4 -----	75.0 -----	89.7 -----	70.7 ----
RH17050	77.6 ----	74.0 ----	88.3 ----	70.3 ----
RH18021	78.0 ----	74.0 ----	89.0 ----	71.0 ----
LG 31219	75.3 -	70.3 -	87.0 -	68.7 -
X85N982	79.3 -----	76.3 -----	89.7 -----	72.0 -----
KXB8250	78.1 ----	74.7 ----	89.0 ----	70.7 ----
KXB8321	78.7 ----	74.7 ----	90.3 -----	71.0 ----
SY Telias	77.7 ----	74.0 ----	89.0 ----	70.0 ----
Figaro KWS	78.1 ----	75.0 -----	88.5 ---	70.7 ----
Gottardo KWS	76.2 --	72.3 ---	87.0 -	69.3 --
Bezugsgrösse(n)	78.4 -----	75.5 -----	89.0 -----	70.8 -----
Versuchs-Mittel	77.7 ----	74.4 ----	88.6 ----	70.2 ----
VK [%]	0.8	0.8	0.7	0.8
KGD (5%)	0.5	1.0	1.0	0.9
KGD (1%)	0.7	1.3	1.4	1.2
Versuchs-Streuung	0.6	0.6	0.6	0.5
FG Fehlerterm	113.0	38.0	37.0	38.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	140.5	19	21.54 ***	1.68	0.0000
Anbauorte	11154.4	2	16241.28 ***	3.07	0.0000
WW Verf.*Anb.Orte	40.0	38	3.07 ***	1.51	0.0002
Fehler	38.8	113			
Insgesamt	11373.7	172			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntw. ZH
ES Albatros	241.7	240.0	245.0	270.0	253.3	200.0
SY Talisman	237.3	231.7	246.7	258.3	243.3	206.7
RGT Chromixx	239.7	223.3	248.3	260.0	263.3	203.3
Benedictio KWS	248.3	236.7	245.0	280.0	270.0	210.0
P8409	226.7	215.0	243.3	246.7	250.0	178.3
P8307	226.0	216.7	230.0	245.0	245.0	193.3
DKC 3380	243.3	235.0	255.0	276.7	250.0	200.0
Dentrico	226.7	213.3	243.3	243.3	243.3	190.0
SM H0205	250.0	240.0	263.3	273.3	250.0	223.3
SY Calo	220.7	206.7	241.7	240.0	230.0	185.0
ES Katamaran	238.0	235.0	246.7	261.7	253.3	193.3
RH17050	236.7	226.7	233.3	260.0	256.7	206.7
RH18021	243.7	233.3	245.0	273.3	260.0	206.7
LG 31219	248.0	230.0	253.3	273.3	253.3	230.0
X85N982	244.3	230.0	263.3	261.7	263.3	203.3
KXB8250	242.7	231.7	250.0	261.7	270.0	200.0
KXB8321	225.3	216.7	235.0	248.3	236.7	190.0
SY Telias	223.7	210.0	231.7	253.3	230.0	193.3
Figaro KWS	246.0	236.7	261.7	281.7	250.0	200.0
Gottardo KWS	243.0	233.3	260.0	278.3	236.7	206.7
Bezugs- grösse(n)	226.3	215.8	236.7	245.8	247.5	185.8
Versuchs- Mittel	237.6	227.1	247.1	262.3	250.4	201.0
VK [%]	4.8	3.8	3.8	5.2	5.5	5.3
KGD (5%)	8.2	14.3	15.5	22.6	22.8	17.7
KGD (1%)	10.8	19.2	20.7	30.3	ns	23.7
Versuchs- Streuung	11.4	8.7	9.4	13.7	13.8	10.7
FG	189.0	38.0	38.0	38.0	37.0	38.0
Fehlerterm						
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	24666.3	19	9.96 ***	1.64	0.0000
Anbauorte	138965.8	4	266.54 ***	2.42	0.0000
WW Verf.*Anb.Orte	13257.5	76	1.34 ns	1.36	0.0581
Fehler	24634.7	189			
Insgesamt	201524.3	288			

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntw. ZH
ES Albatros	119.7	123.3	118.3	121.7	118.3	116.7
SY Talisman	108.0	118.3	105.0	108.3	101.7	106.7
RGT Chromixx	119.3	118.3	123.3	120.0	123.3	111.7
Benedictio KWS	123.7	120.0	126.7	135.0	123.3	113.3
P8409	119.7	120.0	128.3	125.0	126.7	98.3
P8307	122.7	118.3	125.0	133.3	120.0	116.7
DKC 3380	109.0	113.3	108.3	118.3	103.3	101.7
Dentrico	110.3	113.3	116.7	115.0	110.0	96.7
SM H0205	109.0	103.3	121.7	108.3	100.0	111.7
SY Calo	100.7	105.0	111.7	100.0	96.7	90.0
ES Katamaran	122.0	123.3	116.7	131.7	130.0	108.3
RH17050	114.3	110.0	118.3	121.7	115.0	106.7
RH18021	125.7	123.3	125.0	131.7	130.0	118.3
LG 31219	112.0	100.0	118.3	120.0	110.0	111.7
X85N982	114.3	111.7	125.0	106.7	120.0	108.3
KXB8250	116.3	116.7	115.0	123.3	121.7	105.0
KXB8321	112.7	115.0	105.0	118.3	116.7	108.3
SY Telias	112.7	115.0	111.7	126.7	101.7	108.3
Figaro KWS	123.8	123.3	125.0	135.0	122.5	113.3
Gottardo KWS	105.3	95.0	110.0	118.3	98.3	105.0
Bezugsgrösse(n)	121.2	119.2	126.7	129.2	123.3	107.5
Versuchsmittel	115.1	114.3	117.8	120.9	114.5	107.8
VK [%]	7.6	5.9	8.4	8.9	7.8	6.1
KGD (5%)	6.3	11.2	ns	17.8	14.8	10.9
KGD (1%)	8.3	15.1	ns	23.9	19.8	14.6
Versuchs-Streuung	8.8	6.8	9.9	10.8	8.9	6.6
FG Fehlerterm	189.0	38.0	38.0	38.0	37.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13517.7	19	9.28 ***	1.64	0.0000
Anbauorte	5679.1	4	18.52 ***	2.42	0.0000
WW Verf.*Anb.Orte	8512.6	76	1.46 *	1.36	0.0204
Fehler	14491.1	189			
Insgesamt	42200.5	288			

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
ES Albatros	50.0 ----	51.4 ----	50.0 ----	48.3 ----	45.0 ----	46.7 ----
SY Talisman	46.2 --	51.1 ----	47.9 ----	42.6 -	42.0 --	41.8 --
RGT Chromixx	50.5 ----	53.0 ----	52.1 ----	49.6 ----	46.2 ----	46.8 ----
Benedictio KWS	50.4 ----	50.7 ----	52.1 ----	51.6 ----	48.2 ----	45.7 ----
P8409	51.9 ----	55.9 ----	45.8 --	52.7 ----	50.7 ----	50.6 ----
P8307	54.8 ----	54.7 ----	56.3 ----	54.4 ----	54.2 ----	49.0 ----
DKC 3380	44.5 -	48.1 ----	41.7 -	42.5 -	42.8 --	41.2 -
Dentrico	48.7 ----	53.1 ----	47.9 ----	48.0 ----	47.1 ----	45.3 ----
SM H0205	43.8 -	43.1 --	43.8 --	46.2 --	39.7 -	39.9 -
SY Calo	45.9 --	50.8 ----	45.8 --	46.4 --	41.7 --	41.9 --
ES Katamaran	50.9 ----	52.5 ----	47.9 ----	47.3 ----	50.3 ----	51.3 ----
RH17050	48.7 ----	48.5 ----	50.0 ----	50.7 ----	46.8 ----	44.8 ----
RH18021	51.6 ----	52.9 ----	50.0 ----	51.1 ----	48.2 ----	50.0 ----
LG 31219	45.0 -	43.4 --	43.8 --	46.7 --	43.9 --	43.4 --
X85N982	46.9 --	48.6 ----	45.8 --	47.5 --	40.7 -	45.5 ----
KXB8250	48.8 ----	50.4 ----	52.1 ----	45.9 --	47.1 ----	45.0 ----
KXB8321	50.6 ----	53.1 ----	52.1 ----	44.7 --	47.7 ----	49.3 ----
SY Telias	50.9 ----	54.8 ----	52.1 ----	48.1 ----	50.0 ----	44.2 ----
Figaro KWS	50.9 ----	52.1 ----	52.1 ----	47.7 ----	47.9 ----	49.1 ----
Gottardo KWS	44.3 -	40.8 -	47.9 ----	42.3 -	42.5 --	41.6 --
Bezugs- grösse(n)	53.3 ----	55.3 ----	51.0 ----	53.6 ----	52.4 ----	49.8 ----
Versuchs-Mittel	48.8 ----	50.4 ----	48.9 ----	47.7 ----	46.1 ----	45.7 ----
VK [%]	6.9	5.4	8.6	7.6	7.1	6.0
KGD (5%)	2.2	4.5	7.0	6.0	5.4	4.6
KGD (1%)	2.9	6.1	ns	8.0	7.2	6.1
Versuchs- Streuung	3.4	2.7	4.2	3.6	3.3	2.8
FG Fehlerterm	227.0	38.0	38.0	38.0	38.0	37.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3132.3	19	14.56 ***	1.63	0.0000
Anbauorte	2738.0	5	48.37 ***	2.26	0.0000
WW Verf.*Anb.Orte	1324.7	95	1.23 ns	1.32	
Fehler	2569.9	227			
Insgesamt	9764.8	346			

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

Verfahren	8194 Hüntwangen ZH	
ES Albatros	58.4	-----
SY Talisman	51.7	---
RGT Chromixx	55.0	----
Benedictio KWS	54.0	----
P8409	55.5	-----
P8307	60.4	-----
DKC 3380	50.7	--
Dentrico	51.0	--
SM H0205	50.1	--
SY Calo	48.6	-
ES Katamaran	56.2	-----
RH17050	51.7	---
RH18021	57.3	-----
LG 31219	48.6	-
X85N982	53.3	----
KXB8250	52.4	---
KXB8321	57.0	-----
SY Telias	56.1	-----
Figaro KWS	56.8	-----
Gottardo KWS	50.9	--
Bezugsgrösse(n)	58.0	-----
Versuchs-Mittel	53.8	----
VK [%]	6.2	
KGD (5%)	5.5	
KGD (1%)	7.4	
Versuchs-Streuung	3.4	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	8194 Hüntwangen ZH	
ES Albatros	0.0 -	0.0	-
SY Talisman	0.0 -	0.0	-
RGT Chromixx	0.0 -	0.0	-
Benedictio KWS	0.0 -	0.0	-
P8409	0.0 -	0.0	-
P8307	0.0 -	0.0	-
DKC 3380	0.0 -	0.0	-
Dentrico	0.0 -	0.0	-
SM H0205	1.3 -----	1.3	-----
SY Calo	0.0 -	0.0	-
ES Katamaran	0.0 -	0.0	-
RH17050	0.0 -	0.0	-
RH18021	0.0 -	0.0	-
LG 31219	0.0 -	0.0	-
X85N982	0.0 -	0.0	-
KXB8250	0.0 -	0.0	-
KXB8321	0.0 -	0.0	-
SY Telias	0.0 -	0.0	-
Figaro KWS	0.0 -	0.0	-
Gottardo KWS	0.0 -	0.0	-
Bezugsgrösse(n)	0.0 -	0.0	-
Versuchs-Mittel	0.1 -	0.1	-
VK [%]	774.6	774.6	
KGD (5%)	ns	ns	
KGD (1%)	ns	ns	
Versuchs-Streuung	0.5	0.5	
FG Fehlerterm	38.0	38.0	
Anz. Beob.	3.0	3.0	

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

Verfahren	Seriemittel	1567 Delley FR
ES Albatros	1.0 -	1.0 -
SY Talisman	1.0 -	1.0 -
RGT Chromixx	1.0 -	1.0 -
Benedictio KWS	1.0 -	1.0 -
P8409	1.0 -	1.0 -
P8307	1.0 -	1.0 -
DKC 3380	1.0 -	1.0 -
Dentrico	1.0 -	1.0 -
SM H0205	1.0 -	1.0 -
SY Calo	1.0 -	1.0 -
ES Katamaran	1.0 -	1.0 -
RH17050	1.3 -----	1.3 -----
RH18021	1.0 -	1.0 -
LG 31219	1.0 -	1.0 -
X85N982	1.0 -	1.0 -
KXB8250	1.0 -	1.0 -
KXB8321	1.0 -	1.0 -
SY Telias	1.0 -	1.0 -
Figaro KWS	1.0 -	1.0 -
Gottardo KWS	1.0 -	1.0 -
Bezugsgrösse(n)	1.0 -	1.0 -
Versuchs-Mittel	1.0 -	1.0 -
VK [%]	12.7	12.7
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.1	0.1
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1567 Delley FR
ES Albatros	0.0 -	0.0 -
SY Talisman	0.0 -	0.0 -
RGT Chromixx	0.0 -	0.0 -
Benedictio KWS	0.0 -	0.0 -
P8409	0.0 -	0.0 -
P8307	0.0 -	0.0 -
DKC 3380	0.0 -	0.0 -
Dentrico	0.0 -	0.0 -
SM H0205	0.0 -	0.0 -
SY Calo	0.0 -	0.0 -
ES Katamaran	0.0 -	0.0 -
RH17050	4.2 -----	4.2 -----
RH18021	0.0 -	0.0 -
LG 31219	0.0 -	0.0 -
X85N982	0.0 -	0.0 -
KXB8250	0.0 -	0.0 -
KXB8321	0.0 -	0.0 -
SY Telias	0.0 -	0.0 -
Figaro KWS	0.0 -	0.0 -
Gottardo KWS	0.0 -	0.0 -
Bezugsgrösse(n)	0.0 -	0.0 -
Versuchs-Mittel	0.2 -	0.2 -
VK [%]	774.6	774.6
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.6	1.6
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Fusariose [note] / Stängelfäule [Note]

Verfahren	Seriemittel	8194 Hüntwangen ZH
ES Albatros	1.3 ----	1.3 ----
SY Talisman	1.0 -	1.0 -
RGT Chromixx	1.0 -	1.0 -
Benedictio KWS	1.7 -----	1.7 -----
P8409	1.3 ----	1.3 ----
P8307	1.8 -----	1.8 -----
DKC 3380	1.0 -	1.0 -
Dentrico	1.2 --	1.2 --
SM H0205	1.5 ----	1.5 ----
SY Calo	1.0 -	1.0 -
ES Katamaran	1.0 -	1.0 -
RH17050	1.0 -	1.0 -
RH18021	1.0 -	1.0 -
LG 31219	1.3 ----	1.3 ----
X85N982	1.0 -	1.0 -
KXB8250	1.0 -	1.0 -
KXB8321	1.0 -	1.0 -
SY Telias	1.0 -	1.0 -
Figaro KWS	1.0 -	1.0 -
Gottardo KWS	1.0 -	1.0 -
Bezugsgrösse(n)	1.6 -----	1.6 -----
Versuchs-Mittel	1.2 --	1.2 --
VK [%]	30.9	30.9
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.4	0.4
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	8194 Hüntwangen ZH
ES Albatros	4.2 ----	4.2 ----
SY Talisman	0.0 -	0.0 -
RGT Chromixx	0.0 -	0.0 -
Benedictio KWS	8.3 -----	8.3 -----
P8409	4.2 ----	4.2 ----
P8307	10.4 -----	10.4 -----
DKC 3380	0.0 -	0.0 -
Dentrico	2.1 --	2.1 --
SM H0205	6.3 ----	6.3 ----
SY Calo	0.0 -	0.0 -
ES Katamaran	0.0 -	0.0 -
RH17050	0.0 -	0.0 -
RH18021	0.0 -	0.0 -
LG 31219	4.2 ----	4.2 ----
X85N982	0.0 -	0.0 -
KXB8250	0.0 -	0.0 -
KXB8321	0.0 -	0.0 -
SY Telias	0.0 -	0.0 -
Figaro KWS	0.0 -	0.0 -
Gottardo KWS	0.0 -	0.0 -
Bezugsgrösse(n)	7.3 -----	7.3 -----
Versuchs-Mittel	2.0 --	2.0 --
VK [%]	226.0	226.0
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	4.5	4.5
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten	8046 Reckenh. ZH	8194 Hüntw. ZH
ES Albatros	2.1 --	0.0 -	3.1 -	0.8 -	3.1 --	3.8 --
SY Talisman	7.1 -----	5.1 -----	10.5 ---	3.6 ---	13.7 -----	2.6 -
RGT Chromixx	0.7 -	0.4 -	2.1 -	0.4 -	0.0 -	0.7 -
Benedictio KWS	3.3 ---	3.0 ---	3.8 -	1.9 --	4.4 ---	3.5 --
P8409	2.3 --	2.9 ---	6.7 --	1.1 -	0.8 -	0.0 -
P8307	6.9 -----	4.4 -----	11.1 -----	9.9 -----	6.4 -----	2.5 -
DKC 3380	1.4 -	0.0 -	3.7 -	1.5 --	0.6 -	1.2 -
Dentrico	5.0 ----	2.0 --	11.2 ----	1.9 --	3.3 --	6.8 ---
SM H0205	5.9 ----	0.8 -	7.6 --	5.3 ----	10.8 -----	4.9 --
SY Calo	8.0 -----	2.1 --	7.1 --	12.6 -----	6.8 -----	11.3 ---
ES Katamaran	1.7 --	0.4 -	1.9 -	1.8 --	3.7 ---	0.6 -
RH17050	3.3 ---	0.8 -	4.1 -	2.6 --	3.6 ---	5.5 --
RH18021	0.4 -	0.0 -	1.9 -	0.0 -	0.0 -	0.0 -
LG 31219	3.1 ---	0.8 -	7.6 --	1.6 --	1.7 --	3.7 --
X85N982	7.5 -----	0.7 -	8.9 ---	0.3 -	2.4 --	25.4 -----
KXB8250	11.0 -----	9.5 -----	15.1 -----	10.4 -----	8.6 -----	11.4 ----
KXB8321	7.8 -----	2.4 ---	17.3 -----	3.7 ---	2.2 --	13.3 -----
SY Telias	8.1 -----	1.5 --	26.2 -----	3.9 ---	5.0 ----	3.6 --
Figaro KWS	2.9 ---	0.9 -	7.8 ---	0.7 -	0.9 -	4.3 --
Gottardo KWS	5.2 ----	4.2 ----	12.1 ----	6.7 ----	0.0 -	3.0 --
Bezugs-größen	4.6 ----	3.6 ----	8.9 ---	5.5 ----	3.6 ---	1.3 -
Versuchs-Mittel	4.7 ----	2.1 --	8.5 ---	3.5 ---	3.9 ---	5.4 --
VK [%]	89.4	105.1	49.7	81.9	125.1	103.1
KGD (5%)	3.0	3.6	7.0	4.8	ns	9.2
KGD (1%)	4.0	4.9	9.4	6.4	ns	12.3
Versuchs-Streuung	4.2	2.2	4.2	2.9	5.1	5.6
FG Fehlerterm	189. 0	38.0	38.0	38.0	37.0	38.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	2521.5	19	7.56 ***	1.64	0.0000	
Anbauorte	1419.3	4	20.22 ***	2.42	0.0000	
WW Verf.*Anb.Orte	3525.2	76	2.64 ***	1.36	0.0002	
Fehler	3316.8	189				
Insgesamt	10782.8	288				

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

Verfahren	Seriemittel	1260 Nyon	1725 Grangeneuve	3065 Habstetten
ES Albatros	3.4 -----	1.7 ---	5.9 -----	2.6 -----
SY Talisman	1.3 ---	1.6 ---	2.3 ---	0.0 -
RGT Chromixx	1.8 ---	3.0 -----	2.1 ---	0.4 --
Benedictio KWS	2.8 -----	4.5 -----	2.4 ---	1.6 -----
P8409	2.3 -----	2.1 -----	1.8 ---	3.0 -----
P8307	1.0 --	1.2 --	1.5 --	0.4 --
DKC 3380	1.2 ---	1.1 --	2.2 ---	0.4 --
Dentrico	1.1 --	1.9 -----	1.5 --	0.0 -
SM H0205	1.0 --	1.6 ---	0.8 -	0.7 ---
SY Calo	1.3 ---	2.1 -----	1.1 --	0.7 ---
ES Katamaran	2.8 -----	2.3 -----	5.4 -----	0.7 ---
RH17050	0.5 -	0.4 -	0.7 -	0.4 --
RH18021	1.8 -----	2.3 -----	2.6 -----	0.4 --
LG 31219	2.1 -----	2.8 -----	2.4 ---	1.2 -----
X85N982	2.4 -----	2.9 -----	2.1 ---	2.2 -----
KXB8250	2.5 -----	3.4 -----	2.2 ---	1.8 -----
KXB8321	0.9 --	0.8 -	1.9 ---	0.0 -
SY Telias	1.4 ---	3.4 -----	0.4 -	0.4 --
Figaro KWS	2.0 -----	2.5 -----	1.6 --	1.9 -----
Gottardo KWS	2.1 -----	3.0 -----	2.5 ----	0.7 ---
Bezugsgrösse(n)	1.7 ----	1.6 ---	1.7 ---	1.7 ----
Versuchs-Mittel	1.8 ----	2.2 ----	2.2 ---	1.0 ---
VK [%]	94.0	85.0	82.7	133.4
KGD (5%)	1.6	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	1.7	1.9	1.8	1.3
FG Fehlerterm	114.0	38.0	38.0	38.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	97.8	19	1.82 *	1.68	0.0279
Anbauorte	61.0	2	10.81 ***	3.07	0.0001
WW Verf.*Anb.Orte	107.6	38	1.00 ns	1.51	0.4761
Fehler	321.6	114			
Insgesamt	588.0	173			

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
ES Albatros	4.7 -----	4.7 -----
SY Talisman	5.0 -----	5.0 -----
RGT Chromixx	3.7 ----	3.7 ----
Benedictio KWS	4.3 -----	4.3 -----
P8409	5.0 -----	5.0 -----
P8307	5.0 -----	5.0 -----
DKC 3380	4.7 -----	4.7 -----
Dentrico	4.3 -----	4.3 -----
SM H0205	4.0 ----	4.0 ----
SY Calo	4.0 ----	4.0 ----
ES Katamaran	4.0 ----	4.0 ----
RH17050	3.7 ----	3.7 ----
RH18021	3.3 ---	3.3 ---
LG 31219	5.3 -----	5.3 -----
X85N982	4.0 ----	4.0 ----
KXB8250	2.7 -	2.7 -
KXB8321	4.0 ----	4.0 ----
SY Telias	3.3 ---	3.3 ---
Figaro KWS	4.3 -----	4.3 -----
Gottardo KWS	3.3 ---	3.3 ---
Bezugsgrösse(n)	5.0 -----	5.0 -----
Versuchs-Mittel	4.1 ----	4.1 ----
VK [%]	24.3	24.3
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	1.0	1.0
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
ES Albatros	8.2 --	8.0 --	7.8 -	8.2 -	8.1 -	8.7 -----
SY Talisman	8.6 -----	8.5 ----	7.8 -	8.9 ----	9.3 -----	8.8 -----
RGT Chromixx	8.1 -	7.9 -	7.8 -	8.1 -	8.5 ---	8.4 -----
Benedictio KWS	8.5 ----	8.8 -----	7.8 -	8.6 ---	8.6 ----	8.5 -----
P8409	8.4 ----	8.3 ---	7.8 -	8.6 ---	8.9 -----	8.3 -----
P8307	8.5 ----	8.4 ----	7.8 -	8.8 ----	8.7 ----	8.7 -----
DKC 3380	8.7 -----	8.8 -----	7.8 -	9.0 -----	8.8 ----	8.8 -----
Dentrico	8.5 ----	8.5 ----	7.8 -	8.8 ----	9.0 -----	8.2 -----
SM H0205	8.5 ----	8.5 ----	7.8 -	8.7 ---	8.9 -----	8.5 -----
SY Calo	8.2 --	8.0 --	7.8 -	8.6 ---	8.7 ----	8.0 ----
ES Katamaran	8.7 -----	8.6 ----	7.8 -	9.1 -----	9.2 -----	8.8 -----
RH17050	8.5 ----	8.3 ---	7.8 -	8.9 -----	8.9 ----	9.2 -----
RH18021	8.7 -----	8.7 -----	7.8 -	8.9 ----	9.0 ----	8.8 -----
LG 31219	8.4 ----	8.6 ----	7.8 -	8.4 --	8.5 ---	8.6 -----
X85N982	8.8 -----	9.2 -----	7.8 -	9.4 -----	9.2 -----	9.2 -----
KXB8250	8.8 -----	8.8 -----	7.8 -	9.3 -----	9.3 -----	9.3 -----
KXB8321	8.4 ----	8.2 ---	7.8 -	8.8 ----	9.0 ----	7.5 ----
SY Telias	8.6 -----	8.8 -----	7.8 -	8.6 ---	9.3 -----	9.0 -----
Figaro KWS	8.1 -	8.3 ---	7.8 -	8.6 ---	9.0 -----	6.0 -
Gottardo KWS	8.1 -	7.8 -	7.8 -	8.2 -	8.9 ----	8.1 ----
Bezugsgrösse(n)	8.4 ----	8.4 ----	7.8 -	8.7 ----	8.8 ----	8.5 -----
Versuchs-Mittel	8.5 ----	8.5 ----	7.8 -	8.7 ----	8.9 ----	8.5 -----
VK [%]	7.4	4.3	0.0	4.9	3.4	15.3
KGD (5%)	0.4	0.6	0.0	0.7	0.5	ns
KGD (1%)	0.5	0.8	0.0	ns	0.7	ns
Versuchs-Streuung	0.6	0.4	0.0	0.4	0.3	1.3
FG Fehlerterm	228.0	38.0	38.0	38.0	38.0	38.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	17.4	19	2.32 **	1.63	0.0019
Anbauorte	43.2	5	21.91 ***	2.26	0.0000
WW Verf.*Anb.Orte	38.8	95	1.04 ns	1.32	
Fehler	89.8	228			
Insgesamt	189.1	347			

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

Verfahren	8194 Hüntwangen ZH	
ES Albatros	8.3	----
SY Talisman	8.4	-----
RGT Chromixx	7.9	--
Benedictio KWS	8.6	-----
P8409	8.4	-----
P8307	8.7	-----
DKC 3380	9.0	-----
Dentrico	8.4	-----
SM H0205	8.7	-----
SY Calo	8.2	----
ES Katamaran	8.4	-----
RH17050	7.7	-
RH18021	8.8	-----
LG 31219	8.7	-----
X85N982	8.0	---
KXB8250	8.5	-----
KXB8321	8.7	-----
SY Telias	8.3	----
Figaro KWS	8.8	-----
Gottardo KWS	8.0	---
Bezugsgrösse(n)	8.5	-----
Versuchs-Mittel	8.4	-----
VK [%]	6.3	
KGD (5%)	ns	
KGD (1%)	ns	
Versuchs-Streuung	0.5	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
ES Albatros	129.0 -	129.3 -	112.6 -	140.7 -	132.2 -	147.9 ---
SY Talisman	138.6 ----	149.5 -----	119.6 ---	155.6 ----	134.4 -	134.2 -
RGT Chromixx	144.4 ----	134.4 --	125.2 -----	156.0 ----	139.7 ---	164.4 -----
Benedictio KWS	143.8 ----	144.2 ----	123.7 ----	152.9 ---	138.8 ---	160.9 ----
P8409	146.3 -----	139.4 ---	121.3 ---	160.2 -----	136.4 --	176.0 -----
P8307	155.5 -----	158.7 -----	125.5 -----	169.4 -----	157.8 -----	161.7 -----
DKC 3380	143.3 ----	136.6 ---	115.8 --	153.2 ---	145.8 ----	160.6 ----
Dentrico	150.3 -----	153.1 -----	125.3 -----	161.0 ----	151.0 -----	163.5 -----
SM H0205	139.6 ----	137.8 ---	123.2 ----	153.7 ---	143.8 ----	142.3 --
SY Calo	145.7 ----	137.4 ---	127.4 -----	170.8 -----	138.2 --	156.2 ----
ES Katamaran	147.0 ----	146.1 ----	127.9 -----	154.8 ----	137.7 --	163.1 ----
RH17050	147.6 ----	142.5 ---	125.9 -----	156.8 ----	143.0 ----	166.1 -----
RH18021	153.7 -----	142.5 ---	124.7 -----	167.3 -----	156.0 -----	177.6 -----
LG 31219	140.8 ----	142.0 ---	116.6 --	147.4 --	134.1 -	166.0 ----
X85N982	147.6 ----	151.8 -----	125.0 -----	153.4 ---	143.4 ----	167.3 -----
KXB8250	155.4 -----	153.8 -----	132.0 -----	179.3 -----	148.2 -----	178.3 -----
KXB8321	145.2 ----	139.9 ---	118.7 ---	149.0 --	149.3 -----	170.6 -----
SY Telias	144.0 ----	134.1 --	123.0 ----	152.7 ---	152.8 -----	153.4 ----
Figaro KWS	141.6 ----	141.6 ----	125.6 -----	154.5 ---	138.8 ---	152.5 ----
Gottardo KWS	149.4 -----	155.7 -----	117.0 --	165.8 -----	145.4 ----	164.8 ----
Bezugsgrösse(n)	150.9 -----	149.1 -----	123.4 -----	164.8 -----	147.1 -----	168.8 -----
Versuchsmittel	145.4 ----	143.5 ---	122.8 ----	157.7 ---	143.3 ----	161.4 ----
VK [%]	5.3	4.9	6.0	3.8	4.6	6.7
KGD (5%)	5.1	11.6	ns	9.8	10.9	17.8
KGD (1%)	6.7	15.5	ns	13.1	14.6	23.9
Versuchsstreuung	7.7	7.0	7.4	5.9	6.6	10.8
FG Fehlerterm	227.0	38.0	38.0	38.0	38.0	37.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	12947.6	19	11.52 ***	1.63	0.0000
Anbauorte	55658.9	5	188.26 ***	2.26	0.0000
WW Verf.*Anb.Orte	12430.0	95	2.21 ***	1.32	0.0003
Fehler	13422.7	227			
Insgesamt	94459.2	346			

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

Verfahren	8194	
	Hüntwangen ZH	
ES Albatros	111.0	-
SY Talisman	138.2	-----
RGT Chromixx	146.8	-----
Benedictio KWS	142.3	-----
P8409	144.4	-----
P8307	159.6	-----
DKC 3380	147.9	-----
Dentrico	148.2	-----
SM H0205	136.7	-----
SY Calo	144.1	-----
ES Katamaran	152.3	-----
RH17050	151.0	-----
RH18021	154.3	-----
LG 31219	138.5	-----
X85N982	145.0	-----
KXB8250	140.5	-----
KXB8321	143.8	-----
SY Telias	148.2	-----
Figaro KWS	136.3	-----
Gottardo KWS	147.8	-----
Bezugsgrösse(n)	152.0	-----
Versuchs-Mittel	143.8	-----
VK [%]	5.3	
KGD (5%)	12.5	
KGD (1%)	16.8	
Versuchs-Streuung	7.6	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Rendement relativ [%] / Relativertrag [%]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
ES Albatros	85.7 -	86.8 -	91.3 -	85.4 -	89.9 -	87.6 ---
SY Talisman	92.2 ----	100.2 -----	96.9 ---	94.4 ----	91.4 -	79.5 -
RGT Chromixx	95.9 ----	90.2 --	101.4 -----	94.6 ----	95.0 ---	97.4 -----
Benedictio KWS	95.5 ----	96.7 ----	100.2 ----	92.8 ---	94.4 ---	95.3 ----
P8409	96.8 -----	93.5 ---	98.3 ----	97.2 ----	92.7 --	104.2 -----
P8307	103.2 -----	106.5 -----	101.7 -----	102.8 -----	107.3 -----	95.8 ----
DKC 3380	95.0 ----	91.6 ---	93.8 --	92.9 ---	99.2 ----	95.1 ----
Dentrico	99.8 -----	102.7 -----	101.5 -----	97.7 ----	102.7 -----	96.8 -----
SM H0205	92.9 ----	92.4 ---	99.8 ----	93.3 ---	97.8 ----	84.3 --
SY Calo	96.7 ----	92.2 ---	103.2 -----	103.6 -----	94.0 --	92.5 ----
ES Katamaran	97.7 ----	98.0 ----	103.6 -----	93.9 ---	93.6 --	96.6 ----
RH17050	97.9 -----	95.6 ---	102.0 -----	95.2 ----	97.2 ----	98.4 -----
RH18021	101.8 -----	95.6 ---	101.1 -----	101.5 -----	106.1 -----	105.2 -----
LG 31219	93.3 ---	95.3 ---	94.5 --	89.5 --	91.2 -	98.3 ----
X85N982	98.0 ----	101.8 -----	101.3 -----	93.1 ---	97.5 ----	99.1 ----
KXB8250	103.0 -----	103.2 -----	107.0 -----	108.8 -----	100.7 -----	105.6 -----
KXB8321	96.3 ----	93.9 ---	96.1 ---	90.4 --	101.5 -----	101.0 -----
SY Telias	95.7 ----	90.0 --	99.7 ----	92.6 ---	103.9 -----	90.8 ---
Figaro KWS	94.1 ----	95.0 ---	101.8 -----	93.7 ---	94.4 ---	90.3 ---
Gottardo KWS	98.9 -----	104.4 -----	94.8 --	100.6 -----	98.9 ----	97.6 ----
Bezugsgrößen	100.0 -----	100.0 -----	100.0 -----	100.0 -----	100.0 -----	100.0 -----
Versuchsmittel	96.5 ----	96.3 ---	99.5 ----	95.7 ----	97.5 ----	95.6 ----
VK [%]	5.3	4.9	6.0	3.8	4.6	6.7
KGD (5%)	3.4	7.8	ns	6.0	7.4	10.6
KGD (1%)	4.4	10.4	ns	8.0	9.9	14.2
Versuchs-Streuung	5.1	4.7	6.0	3.6	4.5	6.4
FG Fehlerterm	227.0	38.0	38.0	38.0	38.0	37.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	5505.0	19	11.12 ***	1.63	0.0000
Anbauorte	902.0	5	6.92 ***	2.26	0.0001
WW Verf.*Anb.Orte	5028.8	95	2.03 ***	1.32	0.0005
Fehler	5913.9	227			
Insgesamt	17349.7	346			

Rendement relatif [%] / Relativertrag [%]

Verfahren	8194	Hüntwangen ZH
ES Albatros	73.0	-
SY Talisman	90.9	-----
RGT Chromixx	96.6	-----
Benedictio KWS	93.6	-----
P8409	95.0	-----
P8307	105.0	-----
DKC 3380	97.3	-----
Dentrico	97.5	-----
SM H0205	89.9	-----
SY Calo	94.8	-----
ES Katamaran	100.2	-----
RH17050	99.3	-----
RH18021	101.5	-----
LG 31219	91.1	-----
X85N982	95.4	-----
KXB8250	92.4	-----
KXB8321	94.6	-----
SY Telias	97.5	-----
Figaro KWS	89.6	-----
Gottardo KWS	97.2	-----
Bezugsgrösse(n)	100.0	-----
Versuchs-Mittel	94.6	-----
VK [%]	5.3	
KGD (5%)	8.2	
KGD (1%)	11.0	
Versuchs-Streuung	5.0	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1725 Grangeneuve	3065 Habstetten	8046 Reckenholz ZH
ES Albatros	68.0 --	70.2 -	70.1 --	64.4 ----	59.4 -	73.5 ----
SY Talisman	70.4 -----	72.7 ----	72.1 -----	66.1 -----	63.3 ----	75.9 -----
RGT Chromixx	70.1 ----	71.7 --	71.7 ----	68.1 -----	66.0 -----	72.4 --
Benedictio KWS	70.2 ----	73.2 ----	72.1 ----	65.4 ----	64.4 ----	74.9 ----
P8409	70.0 -----	74.3 -----	71.0 ----	66.3 -----	63.9 -----	74.7 -----
P8307	72.1 -----	76.0 -----	74.2 -----	67.0 -----	66.4 -----	76.4 -----
DKC 3380	70.0 ----	72.9 ----	71.6 ----	66.1 ----	63.0 ----	75.3 ----
Dentrico	71.0 -----	75.6 -----	71.2 ----	68.0 -----	65.3 -----	74.8 ----
SM H0205	70.5 -----	73.6 -----	71.9 ----	66.6 -----	64.0 ----	75.5 -----
SY Calo	69.2 ----	71.6 --	70.3 --	66.6 -----	61.2 --	75.0 -----
ES Katamaran	70.6 -----	76.1 -----	71.3 ----	67.5 -----	65.3 -----	73.3 ----
RH17050	67.5 -	69.7 -	68.9 -	64.4 ----	61.6 --	72.2 --
RH18021	68.7 --	71.8 --	69.6 --	66.4 ----	64.9 -----	70.4 --
LG 31219	69.3 ----	72.7 ----	69.4 -	66.5 -----	63.0 ----	73.5 ----
X85N982	67.9 -	72.9 ----	69.8 --	62.2 -	62.8 ----	71.2 --
KXB8250	68.4 --	73.8 -----	70.1 --	63.6 --	64.2 -----	70.4 --
KXB8321	67.4 -	72.7 ----	69.8 --	62.8 -	61.0 --	69.2 -
SY Telias	70.0 ----	71.9 --	71.5 ----	67.2 -----	65.5 -----	73.1 ----
Figaro KWS	68.7 --	73.1 ----	69.4 -	65.2 ----	63.2 ----	72.4 ----
Gottardo KWS	70.0 ----	73.6 -----	71.8 ----	66.5 -----	62.4 ----	74.7 -----
Bezugs- größen	71.1 -----	75.1 -----	72.6 -----	66.6 -----	65.1 -----	75.6 -----
Versuchs-Mittel	69.5 ----	73.0 ----	70.9 ----	65.8 -----	63.5 ----	73.4 ----
VK [%]	1.3	0.8	1.2	1.6	1.5	1.6
KGD (5%)	0.6	1.0	1.5	1.8	1.5	1.9
KGD (1%)	0.8	1.4	2.0	2.4	2.0	2.6
Versuchs- streuung	0.9	0.6	0.9	1.1	0.9	1.2
FG Fehlerterm	227.0	38.0	38.0	38.0	38.0	37.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	535.7	19	36.07 ***	1.63	0.0000
Anbauorte	4757.1	5	1217.27 ***	2.26	0.0000
WW Verf.*Anb.Orte	388.9	95	5.24 ***	1.32	0.0000
Fehler	177.4	227			
Insgesamt	5859.1	346			

Précocité [% MS] / Fröhreife [% TS]

Verfahren	8194 Hüntwangen ZH	
ES Albatros	70.7	----
SY Talisman	72.2	-----
RGT Chromixx	70.5	----
Benedictio KWS	71.3	-----
P8409	70.1	----
P8307	72.6	-----
DKC 3380	70.8	----
Dentrico	71.2	-----
SM H0205	71.3	-----
SY Calo	70.5	----
ES Katamaran	70.0	----
RH17050	68.5	-
RH18021	68.9	--
LG 31219	70.8	----
X85N982	68.4	-
KXB8250	68.1	-
KXB8321	68.7	--
SY Telias	70.9	-----
Figaro KWS	69.0	--
Gottardo KWS	70.6	----
Bezugsgrösse(n)	71.3	-----
Versuchs-Mittel	70.2	----
VK [%]	0.6	
KGD (5%)	0.7	
KGD (1%)	0.9	
Versuchs-Streuung	0.4	
FG Fehlerterm	38.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1567 Delley FR
ES Albatros	29.9	-----
SY Talisman	27.9	----
RGT Chromixx	28.3	----
Benedictio KWS	27.9	----
P8409	29.0	-----
P8307	25.8	-
DKC 3380	28.4	----
Dentrico	28.8	-----
SM H0205	28.1	----
SY Calo	29.7	-----
ES Katamaran	28.7	-----
RH17050	31.1	-----
RH18021	30.4	-----
LG 31219	30.6	-----
X85N982	30.2	-----
KXB8250	29.9	-----
KXB8321	30.2	-----
SY Telias	28.5	----
Figaro KWS	30.6	-----
Gottardo KWS	28.2	----
Bezugsgrösse(n)	27.4	---
Versuchs-Mittel	29.1	-----
VK [%]	3.0	3.0
KGD (5%)	1.5	1.5
KGD (1%)	2.0	2.0
Versuchs-Streuung	0.9	0.9
FG Fehlerterm	38.0	38.0
Anz. Beob.	3.0	3.0

PHL moissonneuse [kg/hl] / HLG Mährescher [kg/hl]

Verfahren	Seriemittel	8046 Reckenholz ZH	8194 Hüntwangen ZH
ES Albatros	67.7 -----	67.8 -----	67.5 -----
SY Talisman	66.2 -----	66.2 -----	66.1 -----
RGT Chromixx	65.0 -----	64.8 -----	65.2 -----
Benedictio KWS	65.9 -----	66.3 -----	65.5 -----
P8409	64.3 ----	64.8 ----	63.8 ---
P8307	63.1 --	63.8 ---	62.3 -
DKC 3380	66.5 -----	66.8 -----	66.2 -----
Dentrico	63.9 ---	64.2 ---	63.6 ---
SM H0205	66.0 -----	66.1 -----	65.9 -----
SY Calo	67.0 -----	67.1 -----	66.9 -----
ES Katamaran	64.2 ----	64.4 ----	64.0 ---
RH17050	64.7 ----	64.4 ----	64.9 ----
RH18021	65.7 -----	65.5 -----	65.9 -----
LG 31219	66.5 -----	65.8 -----	67.1 -----
X85N982	63.3 --	62.8 --	63.8 ---
KXB8250	62.3 -	62.1 -	62.4 -
KXB8321	63.4 --	63.7 ---	63.0 --
SY Telias	66.1 -----	66.1 -----	66.2 -----
Figaro KWS	66.6 -----	66.3 -----	66.9 -----
Gottardo KWS	66.8 -----	66.1 -----	67.5 -----
Bezugsgrösse(n)	63.7 ---	64.3 ----	63.1 --
Versuchs-Mittel	65.2 -----	65.3 -----	65.2 -----
VK [%]	0.7	0.7	0.7
KGD (5%)	0.5	0.8	0.8
KGD (1%)	0.7	1.0	1.0
Versuchs-Streuung	0.5	0.5	0.5
FG Fehlerterm	75.0	37.0	38.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	265.6	19	63.77 ***	1.73	0.0000
Anbauorte	0.0	1	0.14 ns	3.96	0.7049
WW Verf.*Anb.Orte	16.9	19	4.06 ***	1.73	0.0001
Fehler	16.4	75			
Insgesamt	299.0	114			

3.3 Serie mittelspät / Série mi-tardif

3.3.1 Standortangaben / Informations des lieux

PLZ / N°p.	Ort / Lieu	m.ü.M. / altitude	2019	
			Saattermin / date de semis	Erntetermin / date de récolte
1260	Nyon	430	07.05.19	13.11.19
1567	Delley (Avenches)	432	16.05.19	24.10.19
1896	Vouvry	404	30.04.19	25.10.19
3065	Habstetten	620	17.05.19	31.10.19
8046	Reckenholz	440	25.04.19	04.11.19
8194	Hüntwangen	384	15.05.19	06.11.19
8566	Ellighausen	503	15.05.19	+
9436	Balgach	408	02.05.19	22.10.19

+ nicht beobachtet/geerntet (starker Drahtwurmschaden) / ne pas suivi/récolté (dégât important de vers fil de fer)

3.3.2 Sorten / Status

Name / Nom	Synonym	Hybrid Typ	Züchter / Obtenteur	Vertreter / Représentant	KM	SM
Gottardo KWS	KXB1157	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/S	
P9027	P9027	SC	Pioneer	Pioneer	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	
RGT Turixxo	RH15015	SC	RAGT 2n	Fenaco, Moudon	KM21/e3	
DKC 3787	ER3817	SC	Monsanto, USA	Monsanto, Morges	KM21/e2	
KWS Robertino	KXB6151	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e2	SM11/e2
KWS Gustavius	KXB7327	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e2	
KWS Granados	KXB7329	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e2	
RGT Maxxatac	RH16015	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e2	
DKC3595	ES3595	SC	Monsanto, USA	Monsanto, Morges	KM21/e1	
RH18016	RH18016	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e1	
RH18018	RH18018	SC	RAGT 2n, F	Fenaco, Moudon	KM21/e1	
Farmueller	BPZ 6109	SC	von Moreau Saatzucht, D	Samen Steffen, Langenthal	KM21/e1	
LG 31272	LZM 267/54	SC	Limagrain, Europe	Fenaco, Moudon	KM21/e1	SM21/e1
LZM 368/08	LZM 368/08	SC	Limagrain, Europe	Fenaco, Moudon	KM21/e1	
P8834	X90M326	SC	Pioneer	Pioneer, Manno	KM21/e1	SM21/e1
DFI47199	DFI47199		DSP, Delley	DSP, Delley	KM21/1.	
Prestol	SM1175	SC	Saaten Union GmbH	Hauenstein, Rafz	KM21/e1	SM21/e1
SY Impulse	SB2215	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e1	SM21/e1
SY Enermax	SC2685	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e1	SM21/e1
SB1497	SB1497	SC	Syngenta, CH	Syngenta, Dielsdorf	KM21/e1	
KXB8322	KXB8322	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	
KXB8357	KXB8357	SC	KWS, Einbeck	KWS Suisse SA, Basel	KM21/e1	SM21/e1
Sixxtus	RH08113	SC	R2n	Fenaco, Moudon	KM21/T	
P9903	X00C209	SC	Pioneer / USA	Pioneer, Manno	FS	
ES Gallery			Euralis, F		FS	
ES Faraday	ESZ5303		Euralis, F		FS	

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

Technische Versuchsanlagen / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Vouvry (404 m ü.M.)	Avanches (434 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	Balgach (408 m ü.M.)		
Bodenart / type de sol / soil type:	limono sableux	limono sableux (argile 22% - MO 2,7% - pH 8,0)	Argile tourbeux	sandiger Lehm	Braunerde	Braunerde, tiefgündig, sandiger Lehm	toniger Lehm, schwach humes		
Witterungsbedingungen / données météorologiques / meteorological data: Niederschlagssumme / sommes des précipitations / sum of rainfalls (Saat - Ernte) / semis - récolte / seeding - harvest): Temperatursumme 2 m über Boden / sommes des températures / sum of temperatures (base 6°C; Saat - Ernte) / semis - récolte / seeding - harvest):	15.07. irrigation 30 mm; 24.07. irrigation 30 mm; 15.08. irrigation 30 mm; 19.08. irrigation 30 mm; 20.08. irrigation 30 mm; 20.08.5 °C	775,2 mm 2107,8°C (selon Agrométéo, station Yvorne)	554,5 mm (selon Agrométéo, station Praz) 1946,5°C (selon Agrométéo, station Praz, seuil 6°C)	589 mm 1789,2°C	660,1 mm 1921,8 °C	574,3 mm (Meteostation Wil) 1949,8 °C (Meteostation Wil)	548,7 mm (Meteostation Berneck-Feuerbrand) 1870,3 °C (Meteostation Berneck-Indermaur)		
Versuchsanlage / dispositif expérimental / experimental design: Randomisierte Blockanlage mit 3 Wiederholungen / blocs randomisés avec 3 répétitions / randomized block design with 3 replications. Parzellengröße / grande ur d'une parcelle / plot size:	4reihig, mit 0,8m Weg (22,4m2 brutto), 10m2 netto	4reihig, mit 0,8m Weg (22,4m2 brutto), 10 m2 netto	Semé: 17 m2 per single plot (brut, avec chemin), 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 0,8m 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'hiver	maïs grain	maïs	Kunstwiese / prairie temporaire / temporary grassland	Raps - Zwischenbegrünung (UFA Alpha)	Silomais		
Bodenbearbeitung / travail du sol / soil cultivation:	13.11.2018 labour charrue; 01.04.2019 cultivateur; 06.05.2019 herse rotative	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	02.05.2019: Labour 02.05.2019: Herse rotative 16.05.2019: Herse rotative	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Pflug (27.11.18); Federzahnegge (23.4.19, 24.4.19) / charrue, herse / plough, harrow	Pflug und Kreiselegge / charrue et herse rotative / plough and rotary harrow	Spätsaat (20.03.2019), Grubbern flach (03.04.2019), Grubbern flach (Saatbearbeitung 01.05.2019)		
Saat / date de semis / sowing date:	07.05.2019	30.04.2019	16.05.2019 (jour 136)	17.05.2019	25.04.2019	15.05.2019	02.05.2019		
Ernte / date de récolte / harvest date:	13.11.2019	25.10.2019	24.10.2019 (jour 297)	31.10.2019	04.11.2019	06.11.2019	22.10.2019		

Technische Versuchangaben / données techniques / technical information									
Standort / lieu / site:	Nyon (430 m ü.M.)	Vouvry (404 m ü.M.)	Avenches (434 m ü.M.)	Habstetten (620 m ü.M.)	Zürich-Affoltern (440 m ü.M.)	Hüntwangen (384 m ü.M.)	Balgach (408 m ü.M.)		
Saadichte / densité de semis / sowing density:	9.0 Körner / grains pro m ²	8.7 Körner / grains pro m ²	Semis: 10.5 grains / m ² , éclairci à 8.8 plantes/m ²	8.7 Körner / grains pro m ²	9.7 Körner / grains pro m ²	9.7 Körner / grains pro m ²	9.7 Körner / grains pro m ²		
Vegetationsdauer / durée de végétation / growing period	190 Tage / jours / days	178 Tage / jours / days	161 jours	167 Tage / jours / days	193 Tage / jours / days	175 Tage / jours / days	173 Tage / jours / days		
Reihenabstand / interlignes / row distance:	75 cm	75 cm	80 cm	75 cm	75 cm	75 cm	75 cm		
Mechanische Unkrautbekämpfung / désherbage mécanique / mechanical weed control:	-	-	-	-	03.06.2019 hacken zwischen den Reihen gekoppelt mit Düngung	-	Striegeln 15.06.2019, Reihenfräsen 04.06.2019		
Chemische Unkrautbekämpfung / désherbage chimique / chemical weed control:	Gardo Gold 4 l/ha Banvel 4S 0.5 l/ha Elumis 1.3 l/ha (06.06.2019)	1 l/ha Elumis + 3 l/ha Gardo Gold	Dual Gold (1.025 l/ha) + Elumis (1.3 l/ha) (17.06.2019)	Calaris 1.5 l/ha + Dual Gold 1.2 l/ha (4.6.19)	Aspect 2.0 l/ha, Banvel 4S 0.5 l/ha, Laudis 2.0 l/ha (18.6.19)	Aspect 1.5 l/ha, Laudis 2.0 l/ha; Baccalon Aqua 2.0 l/ha (14.6.19)	500 g Hector Max und 05 l/ha Gondor (06.06.2019)		
Grunddüngung / fumure de base / basic fertilisation:	50 t. fumiér/ha (28.03.2019); 120 kg P/ha; 250 kg K/ha	Fumure de base Landor 13-9-16 500kg/ha	-	16 04 *kali 60 % 200 kg/ha Granuphos 17 % 310 kg /ha	-	Schweingülle 38N/ha, 38P2O5/ha, DAP26N/ha, 26P2O5/ha, Harnstoff 60N/ha, Kali 200 K2O/ha, Kiesert 20 Mg/ha (6.5.19)	Rindergülle 27.02.2019, Entec 26, 15.04.2019, 350 kg/ha, Patentkali 30%, 450 kg/ha, Kaliumstickstoff 250 kg/ha		
N-Düngung / fumure N / N fertilisation:	Nitrate ammoniacale 27.5.60 kg N/ha; urée perlé e 46 % 20.06.60 kg N/ha	400 kg /ha Entec 26%	16.05.2019: Uree e 46.0 (293 kg/ha)	28 05 40.5 N ammonirrate 14 06 82 N Harnstoff Uree	Mg-Ammonsalpeter 14 06 (3.6.)	Harnstoff 53 N/ha (6.6.19)	15.06.2019 Mg-Ammonsalpeter 24%, 350 kg/ha		
N-Mineralisierung zu Vegetationsbeginn / minéralisation azote au début de la saison / N mineralisation at the beginning of the vegetation period:	-	-	-	-	87 kg N/ha (1.5.2019)	-	-		
Ernte / Récolte / harvest:	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Moissonneuse-batteuse Haldrup CBS	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	Baural Mährescher / moissonneuse-batteuse / direct combine harvesting	von Hand / a la main / by hand	Wintersteiger Delta Mährescher / moissonneuse-batteuse / direct combine harvesting		

3.3.4 Index / Indice

Sorte	Status	Ertrag	Reife	Jugend-		Wurzellager.		Wurzellager.		Stängel-	Beulen-	Stängel-	Gesamt-
				entwicklung	Vegetation	Ernte	bruch	brand	fäule				
P9903	FS	12.88	-11.03	-0.03	0.24	0.38	0.58	1.35	1.27	5.64			
SB1497	e1	7.19	-2.00	-0.35	0.24	0.31	-0.85	0.92	-1.26	4.20			
P8834	e1	7.71	-2.57	0.09	-2.10	-0.44	-0.38	1.02	0.38	3.71			
DKC 3361	S	-2.75	2.83	0.03	0.22	0.42	-0.33	0.41	0.82	1.65			
LG 31272	e1	0.27	-2.98	0.32	-0.66	-0.71	0.58	1.16	1.24	-0.78			
ES Gallery	FS	1.88	-4.14	0.10	-0.06	-0.83	-0.31	1.25	0.75	-1.34			
Kidemos KWS	S	2.75	-2.83	-0.03	-0.22	-0.42	0.33	-0.41	-0.82	-1.65			
SY Impulse	e1	1.43	-3.31	-0.43	0.09	-0.39	0.12	-0.16	0.90	-1.75			
DKC 3595	e1	-1.34	0.86	-0.19	0.24	0.19	-0.83	0.27	-1.63	-2.44			
Toutati CS	S	-3.65	1.18	-0.10	0.24	0.69	-1.33	0.72	-0.29	-2.54			
P9027	S	1.43	-3.61	0.12	-0.31	-0.49	-0.47	0.76	-0.07	-2.65			
RGT Maxxatac	e2	-0.76	-1.98	-0.03	-0.54	-2.96	1.03	1.32	1.05	-2.87			
RGT Planoxx	S	-3.95	-0.96	0.10	-0.06	0.15	0.96	-0.20	0.97	-2.97			
KXB8357	e1	5.77	-10.58	-0.01	-0.36	-0.44	-0.07	0.89	1.20	-3.60			
KWS Gustavius	e2	-5.04	0.20	-0.03	0.01	-0.49	0.06	0.86	0.60	-3.82			
SY Enermax	e1	1.40	-6.67	-0.12	0.09	-1.71	0.83	1.33	0.82	-4.03			
RGT Turixxo	e3	-3.65	-2.83	0.00	0.09	-0.64	0.96	0.64	1.05	-4.38			
DKC 3787	e2	-2.86	-4.21	-0.20	-0.06	-0.14	0.58	1.32	0.75	-4.82			
Prestol	e1	-2.29	-4.91	0.24	-0.45	-0.50	1.03	0.93	1.05	-4.91			
KWS Granados	e2	-5.96	-2.40	-0.09	0.24	0.62	1.03	0.35	1.20	-5.01			
Gottardo KWS	S	-8.23	-0.94	0.19	0.24	0.59	0.88	0.37	0.60	-6.32			
ES Faraday	FS	-0.08	-8.24	-0.10	-0.31	0.26	0.32	0.59	1.20	-6.37			
KXB8322	e1	-3.87	-4.91	0.08	0.16	-0.15	-0.38	1.11	1.32	-6.63			
RH18016	e1	0.32	-9.72	0.12	-0.15	0.02	0.14	0.94	1.35	-7.00			
LZM 368/08	e1	-0.48	-7.46	-0.09	-0.43	-0.76	0.26	0.58	1.12	-7.25			
Sixxtus	T	-3.39	-3.78	0.19	-0.06	-0.13	-0.76	0.45	0.08	-7.41			
KWS Robertino	e2	-4.54	-2.76	0.24	-0.95	-2.71	0.32	0.51	0.60	-9.29			
RH18018	e1	-5.64	-6.93	-0.10	0.09	0.37	0.96	0.09	1.27	-9.88			
DFI47199	1.	-12.84	0.72	0.34	-0.49	-0.65	-0.67	0.31	-1.04	-14.32			
Farmueller	e1	-3.06	-11.54	0.19	0.24	0.25	0.07	-0.02	-1.41	-15.30			
Bezugsgrößen		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Anzahl Beob.		21	21	18	6	6	12	15	12				
Anzahl Orte		7	7	6	2	2	4	5	4				
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 snap Note	Green snap %	Wurzel- lager. Veg. Note	Wurzel- lager. Veg. %
Gottardo KWS	3.9	76.5	77.8	240.7	102.7	41.7	3.0	15.1	1.0	0.0
P9027	4.0	78.5	80.6	235.0	115.7	48.3	1.1	3.3	1.6	7.7
RGT Planoxx	4.1	79.5	81.1	244.7	123.7	50.1	1.5	3.3	1.7	4.2
Toutati CS	4.5	78.8	80.6	243.0	115.7	47.9	1.3	2.3	1.0	0.0
DKC 3361	4.2	77.8	79.2	232.3	113.7	47.7	1.0	3.6	1.0	0.2
Kidemos KWS	4.4	79.8	81.4	242.3	112.7	45.6	1.3	2.3	2.0	6.5
RGT Turixxo	4.3	79.1	80.8	236.3	120.3	50.4	1.3	2.9	1.3	2.1
DKC 3787	4.8	80.2	81.3	228.3	110.3	47.4	1.1	0.4	1.7	4.2
KWS Robertino	3.8	77.7	79.7	255.3	119.7	45.8	2.0	7.6	3.7	16.7
KWS Gustavius	4.4	78.3	79.7	231.0	107.7	46.5	1.0	0.2	1.5	3.1
KWS Granados	4.5	78.5	80.3	234.0	107.0	44.6	1.0	0.0	1.0	0.0
RGT Maxxatac	4.4	78.1	79.3	234.7	114.3	48.0	1.0	0.2	2.7	10.8
DKC 3595	4.8	78.9	80.4	234.7	109.3	46.0	1.0	0.2	1.0	0.0
RH18016	4.0	78.4	79.8	247.7	122.3	48.6	1.0	1.0	1.3	5.4
RH18018	4.5	79.1	80.8	250.0	118.3	46.3	1.5	3.5	1.3	2.1
Farmueller	3.9	78.7	80.2	228.5	109.0	46.2	1.0	0.2	1.0	0.0
LG 31272	3.6	77.1	78.5	260.7	131.7	51.0	1.5	4.4	3.0	12.5
LZM 368/08	4.5	81.7	83.2	264.3	126.0	48.3	1.5	3.5	2.5	9.4
P8834	4.1	79.5	81.6	244.0	128.0	52.3	1.1	2.6	1.2	32.7
DFI47199	3.5	79.7	81.1	253.3	118.3	45.7	1.9	9.6	2.5	10.2
Prestol	3.8	78.9	80.1	248.3	116.7	46.3	1.0	0.0	2.0	9.6
SY Impulse	5.3	79.9	82.1	246.3	116.3	47.2	1.1	0.6	1.3	2.1
SY Enermax	4.6	80.9	83.3	256.0	121.7	46.7	2.3	9.3	1.3	2.1
SB1497	5.1	81.9	82.8	251.7	118.0	46.5	1.1	0.6	1.0	0.0
KXB8322	4.1	77.2	78.0	224.7	110.7	48.1	1.0	0.2	1.2	1.0
KXB8357	4.3	81.8	82.3	242.7	120.0	50.0	1.0	0.2	2.3	8.3
Sixxtus	3.9	79.8	81.1	247.0	121.3	47.6	1.5	4.0	1.7	4.2
P9903	4.4	82.4	83.5	247.3	119.7	47.9	1.2	1.2	1.0	0.0
ES Gallery	4.1	80.3	81.3	250.3	124.3	50.0	1.7	4.2	1.3	4.1
ES Faraday	4.5	80.4	81.5	255.3	125.7	48.5	1.4	2.7	1.2	7.7
Bezugsgrösse(n)	4.3	78.8	80.3	237.3	113.2	46.6	1.2	2.9	1.5	3.3
Versuchs-Mittel	4.3	79.3	80.8	243.7	117.4	47.6	1.3	3.0	1.6	5.6
VK [%]	15.4	1.2	1.2	4.6	6.7	6.1	45.6	190.4	58.4	173.7
KGD (5%)	0.4	0.7	0.8	8.1	5.6	1.9	1.0	6.5		11.0
KGD (1%)	0.6	0.9	1.0	10.6	7.4	2.5		8.6		14.6
Versuchs-Streuung	0.7	1.0	0.9	11.2	7.8	2.9	0.6	5.7	0.9	9.7
FG Fehlerterm	348.0	290.0	232.0	290.0	290.0	348.0	58.0	116.0	58.0	116.0
Anz. Beob.	18.0	15.0	12.0	15.0	15.0	18.0	3.0	6.0	3.0	6.0
Anz. Orte	6.0	5.0	4.0	5.0	5.0	6.0	1.0	2.0	1.0	2.0
Minimum	3.5	76.5	77.8	224.7	102.7	41.7	1.0	0.0	1.0	0.0
Maximum	5.3	82.4	83.5	264.3	131.7	52.3	3.0	15.1	3.7	32.7

Sorten Bezeichnung	Wurzel- lager. Ernte %	Stängel- bruch Ernte Note	Stängel- bruch Ernte %	Stängel fäule Note	Stängel fäule %	Helmin. thosp. 1. Bon. Note	Beulen- brand %	Mais- zünsler %	allg. Ein- druck Note	Effekt. Best. dichte Pfl./m2
Gottardo KWS	0.5	1.0	0.4	1.6	7.3	2.5	6.5	2.2	2.7	7.9
P9027	5.5	2.0	3.5	2.0	12.0	2.5	4.3	1.5	4.0	7.8
RGT Planoxx	2.5	1.0	0.1	1.4	4.7	2.8	9.7	0.7	1.3	8.2
Toutati CS	0.0	2.3	5.5	2.1	13.5	2.8	4.5	2.6	3.3	8.1
DKC 3361	1.2	2.0	3.1	1.5	5.7	2.7	6.3	2.2	2.3	8.2
Kidemos KWS	5.2	1.3	1.6	2.4	17.2	1.8	11.0	0.9	4.0	8.3
RGT Turixxo	6.2	1.0	0.2	1.3	4.2	2.2	5.0	1.6	2.3	8.3
DKC 3787	3.9	1.3	1.0	1.5	6.3	2.7	1.2	1.2	2.0	8.4
KWS Robertino	15.8	1.3	1.7	1.6	7.3	2.7	5.7	1.7	2.3	8.6
KWS Gustavius	5.5	1.7	2.3	1.6	7.3	2.3	3.8	1.1	2.0	8.5
KWS Granados	0.3	1.0	0.0	1.3	3.1	2.3	6.6	1.9	2.3	8.2
RGT Maxxatac	17.0	1.0	0.0	1.3	4.2	2.5	1.2	1.2	2.0	8.1
DKC 3595	2.3	2.0	4.3	2.8	22.9	2.8	7.1	1.1	5.0	8.1
RH18016	3.1	1.7	2.1	1.2	2.1	2.3	3.3	2.8	3.3	8.2
RH18018	1.5	1.0	0.2	1.2	2.6	1.7	8.1	1.9	2.7	8.5
Farmueller	2.0	1.7	2.2	2.7	21.4	2.9	8.7	1.5	3.3	8.6
LG 31272	6.5	1.3	1.0	1.2	2.8	1.9	2.1	1.4	2.3	8.1
LZM 368/08	6.7	1.3	1.8	1.3	3.6	2.3	5.4	2.0	2.0	8.4
P8834	5.2	2.0	3.3	1.7	8.9	2.5	2.9	0.9	5.0	8.0
DFI47199	6.2	2.0	4.0	2.5	18.8	3.3	6.9	2.1	3.3	8.1
Prestol	5.5	1.0	0.0	1.3	4.2	2.4	3.4	0.8	3.0	8.6
SY Impulse	5.0	1.3	2.1	1.4	5.2	2.8	9.5	1.6	3.3	7.8
SY Enermax	11.2	1.0	0.5	1.5	5.7	1.9	1.1	1.7	2.0	8.5
SB1497	1.8	2.3	4.4	2.6	20.3	2.7	3.5	1.3	4.7	8.2
KXB8322	3.9	2.0	3.3	1.2	2.3	1.9	2.4	3.8	2.3	8.2
KXB8357	5.2	1.7	2.6	1.3	3.1	2.1	3.6	2.0	2.0	8.2
Sixxtus	3.8	2.3	4.2	1.9	10.9	2.6	6.1	1.4	3.0	8.0
P9903	1.4	1.3	1.0	1.2	2.6	1.8	1.1	1.8	3.0	8.2
ES Gallery	7.1	2.0	3.1	1.5	6.3	2.0	1.6	1.2	3.0	8.2
ES Faraday	2.0	1.0	1.7	1.3	3.1	2.0	5.3	1.6	3.3	8.0
Bezugsgrösse(n)	3.2	1.7	2.4	1.9	11.5	2.3	8.6	1.6	3.2	8.2
Versuchs-Mittel	4.8	1.5	2.0	1.6	8.0	2.4	4.9	1.7	2.9	8.2
VK [%]	122.4	47.1	232.7	45.7	117.3	28.8	116.9	123.4	28.5	5.6
KGD (5%)	6.7			0.6	7.5	0.8	4.1		1.4	0.3
KGD (1%)	8.9			0.8	9.9	1.0	5.5		1.8	0.4
Versuchs-Streuung	5.9	0.7	4.7	0.7	9.4	0.7	5.8	2.0	0.8	0.5
FG Fehlerterm	116.0	58.0	232.0	232.0	232.0	116.0	290.0	174.0	58.0	406.0
Anz. Beob.	6.0	3.0	12.0	12.0	12.0	6.0	15.0	9.0	3.0	21.0
Anz. Orte	2.0	1.0	4.0	4.0	4.0	2.0	5.0	3.0	1.0	7.0
Minimum	0.0	1.0	0.0	1.2	2.1	1.7	1.1	0.7	1.3	7.8
Maximum	17.0	2.3	5.5	2.8	22.9	3.3	11.0	3.8	5.0	8.6

Sorten Bezeichnung	Korn- ertrag 14%H2O dt/ha	Ertrag rel.zu Bezug %	TS-Geh. Korn b. Ernte %	Feuchtig- Mess- gerät %	HLG Ernte- maschine kg/hl
Gottardo KWS	139.7	92.8	71.8	27.4	67.6
P9027	154.4	101.3	70.8	25.7	62.5
RGT Planoxx	146.2	96.7	71.8	28.8	66.0
Toutati CS	146.6	96.5	72.7	25.8	65.4
DKC 3361	148.0	97.4	73.3	25.3	65.3
Kidemos KWS	156.4	102.6	71.1	26.2	62.3
RGT Turixxo	146.6	97.0	71.1	28.7	66.2
DKC 3787	147.9	97.6	70.5	26.3	63.3
KWS Robertino	145.3	96.1	71.1	28.0	66.5
KWS Gustavius	144.5	95.0	72.3	26.2	64.2
KWS Granados	143.1	94.3	71.2	24.6	63.8
RGT Maxxatac	151.0	99.7	71.4	28.6	64.4
DKC 3595	150.2	98.2	72.5	22.7	62.8
RH18016	152.7	100.5	68.3	31.1	65.1
RH18018	143.6	94.5	69.4	27.8	63.8
Farmueller	147.5	97.6	67.6	29.3	64.9
LG 31272	152.6	100.5	71.0	25.9	64.6
LZM 368/08	151.5	99.8	69.2	28.6	65.6
P8834	163.9	107.8	71.2	25.1	61.3
DFI47199	132.7	87.7	72.5	25.9	65.7
Prestol	148.7	98.6	70.2	31.0	67.1
SY Impulse	154.4	101.7	70.9	24.7	65.1
SY Enermax	154.3	101.3	69.5	24.4	63.0
SB1497	163.1	106.8	71.4	24.0	61.1
KXB8322	146.3	96.2	70.2	29.3	65.2
KXB8357	161.0	105.7	68.0	30.3	63.0
Sixxtus	147.0	97.0	70.7	27.1	64.8
P9903	171.8	112.5	67.8	29.1	63.0
ES Gallery	155.1	101.9	70.5	26.3	64.3
ES Faraday	152.1	100.6	68.9	29.4	63.5
Bezugsgrösse(n)	152.2	100.0	72.2	25.8	63.8
Versuchs-Mittel	150.6	99.2	70.6	27.1	64.4
VK [%]	6.3	6.6	1.4	4.4	0.7
KGD (5%)	5.8	4.0	0.6	1.9	0.7
KGD (1%)	7.6	5.2	0.8	2.6	1.0
Versuchs-Streuung	9.5	6.5	1.0	1.2	0.5
FG Fehlerterm	406.0	406.0	406.0	58.0	58.0
Anz. Beob.	21.0	21.0	21.0	3.0	3.0
Anz. Orte	7.0	7.0	7.0	1.0	1.0
Minimum	132.7	87.7	67.6	22.7	61.1
Maximum	171.8	112.5	73.3	31.1	67.6

3.3.6 Details / Détails

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten	8194 Hüntw. ZH
Gottardo KWS	3.9 --	5.3 ----	3.0 ---	5.0 ----	4.3 ---	2.7 ---
P9027	4.0 ---	5.0 ---	3.0 ---	4.7 --	4.7 ----	3.3 ---
RGT Planoxx	4.1 ---	5.0 ---	4.0 ----	5.0 ----	4.3 ---	3.3 ---
Toutati CS	4.5 ----	5.7 ----	4.0 ----	5.3 ----	5.0 ----	4.0 ----
DKC 3361	4.2 ----	5.0 ---	3.7 ----	5.0 ----	4.7 ----	3.7 ----
Kidemos KWS	4.4 ----	5.7 ----	3.7 ----	5.3 ----	5.0 ----	3.3 ---
RGT Turixxo	4.3 ---	5.3 ----	4.0 ----	5.3 ----	5.0 ----	3.3 ---
DKC 3787	4.8 ----	6.0 ----	4.0 ----	5.3 ----	5.0 ----	4.7 ----
KWS Robertino	3.8 --	5.3 ----	2.3 -	4.7 --	4.3 ---	3.0 ---
KWS Gustavius	4.4 ---	5.7 ----	4.7 ----	4.7 --	5.0 ----	3.2 ---
KWS Granados	4.5 ----	5.3 ----	3.3 ---	5.0 ---	5.0 ----	4.0 ----
RGT Maxxatac	4.4 ---	5.3 ----	4.7 ----	5.0 ---	5.0 ----	3.3 ---
DKC 3595	4.8 ----	5.7 ----	4.3 ----	5.7 ----	5.0 ----	3.7 ---
RH18016	4.0 ---	5.0 ---	4.0 ----	4.3 -	4.7 ----	3.0 ---
RH18018	4.5 ----	6.0 ----	4.0 ----	5.0 ---	5.0 ----	3.7 ----
Farmueller	3.9 --	5.0 ---	3.0 ---	5.0 ---	4.3 ---	2.7 ---
LG 31272	3.6 -	5.0 ---	3.7 ----	4.3 -	4.0 -	2.0 -
LZM 368/08	4.5 ----	5.7 ----	5.0 ----	4.7 --	5.0 ----	3.5 ---
P8834	4.1 ---	5.3 ----	3.3 ---	5.0 ---	4.3 ---	3.7 ---
DFI47199	3.5 -	4.7 -	2.7 --	5.0 ---	4.3 ---	1.7 -
Prestol	3.8 --	5.0 ---	3.0 ---	4.7 --	4.0 -	2.7 ---
SY Impulse	5.3 ----	5.7 ----	4.7 ----	6.0 ----	5.3 ----	5.7 ----
SY Enermax	4.6 ----	5.3 ----	4.3 ----	5.3 ----	4.7 ----	4.0 ----
SB1497	5.1 ----	5.7 ----	4.7 ----	6.0 ----	5.0 ----	4.7 ----
KXB8322	4.1 ---	5.0 ---	4.0 ----	5.0 ---	4.7 ----	3.0 ---
KXB8357	4.3 ---	5.7 ----	4.0 ----	5.0 ---	5.0 ----	3.3 ---
Sixxtus	3.9 --	5.0 ---	3.0 ---	4.7 --	4.3 ---	3.3 ---
P9903	4.4 ----	5.7 ----	4.0 ----	4.7 --	5.0 ----	3.3 ---
ES Gallery	4.1 ---	5.0 ---	4.0 ----	4.7 --	4.3 ---	2.7 ---
ES Faraday	4.5 ----	5.3 ----	5.0 ----	5.0 ---	4.7 ----	3.0 ---
Bezugs- grösse(n)	4.3 ---	5.3 ----	3.7 ----	5.2 ----	4.8 ----	3.5 ---
Versuchs-Mittel	4.3 ---	5.3 ----	3.8 ----	5.0 ---	4.7 ----	3.4 ---
VK [%]	15.4	7.4	28.3	8.8	8.8	17.6
KGD (5%)	0.4	0.6	ns	0.7	0.7	1.0
KGD (1%)	0.6	0.9	ns	1.0	0.9	1.3
Versuchs- Streuung	0.7	0.4	1.1	0.4	0.4	0.6
FG Fehlerterm	348.0	58.0	58.0	58.0	58.0	58.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	92.3	29	7.40 ***	1.50	0.0000
Anbauorte	340.6	5	158.35 ***	2.24	0.0000
WW Verf.*Anb.Orte	67.7	145	1.08 ns	1.25	
Fehler	149.7	348			
Insgesamt	650.2	527			

Vigueur au départ [note] / Jugendentwicklung [Note]

Verfahren	9436	
	Balgach / SG	
Gottardo KWS	2.8	--
P9027	3.5	----
RGT Planoxx	2.7	--
Toutati CS	3.2	---
DKC 3361	3.3	----
Kidemos KWS	3.2	---
RGT Turixxo	2.8	--
DKC 3787	3.7	----
KWS Robertino	2.8	--
KWS Gustavius	3.0	---
KWS Granados	4.3	-----
RGT Maxxatac	2.8	--
DKC 3595	4.2	-----
RH18016	3.2	---
RH18018	3.5	----
Farmueller	3.2	---
LG 31272	2.3	-
LZM 368/08	3.2	---
P8834	2.8	--
DFI47199	2.7	--
Prestol	3.2	---
SY Impulse	4.5	-----
SY Enermax	3.8	-----
SB1497	4.7	-----
KXB8322	3.0	---
KXB8357	3.0	---
Sixxtus	2.8	--
P9903	3.5	----
ES Gallery	3.7	----
ES Faraday	4.2	-----
Bezugsgrösse(n)	3.3	----
Versuchs-Mittel	3.3	----
VK [%]	21.9	
KGD (5%)	1.2	
KGD (1%)	ns	
Versuchs-Streuung	0.7	
FG Fehlerterm	58.0	
Anz. Beob.	3.0	

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntwangen ZH
Gottardo KWS	76.5 -	74.7 -	82.7 -	69.0 -	87.0 -	69.3 -
P9027	78.5 ---	76.3 ---	86.7 ----	69.3 -	89.0 ----	71.3 ---
RGT Planoxx	79.5 ----	77.7 ----	88.3 ----	71.0 ---	89.0 ----	71.3 ---
Toutati CS	78.8 ----	76.3 ---	86.7 ----	70.7 ---	89.0 ----	71.3 ---
DKC 3361	77.8 --	75.0 -	85.7 ----	70.0 --	88.0 --	70.3 --
Kidemos KWS	79.8 ----	78.0 ----	88.7 ----	70.3 --	90.0 ----	72.0 ----
RGT Turixxo	79.1 ---	76.7 ---	88.3 ----	70.7 ---	88.7 ---	71.0 --
DKC 3787	80.2 ----	77.7 ----	87.7 ----	72.7 ----	90.0 ----	73.0 ----
KWS Robertino	77.7 --	75.3 --	85.7 ---	70.0 --	87.0 -	70.3 --
KWS Gustavius	78.3 ---	76.0 --	85.7 ---	70.0 --	89.0 ----	70.7 --
KWS Granados	78.5 ---	76.0 --	87.3 ----	70.0 --	88.3 ---	71.0 --
RGT Maxxatac	78.1 ---	75.3 --	85.7 ---	70.0 --	89.0 ----	70.3 --
DKC 3595	78.9 ----	76.3 ---	87.0 ----	71.0 ---	89.3 ----	71.0 --
RH18016	78.4 ---	75.7 --	87.0 ----	70.7 ---	88.0 --	70.7 --
RH18018	79.1 ----	75.7 --	87.7 ----	70.3 --	89.3 ----	72.3 ----
Farmueller	78.7 ---	75.7 --	87.3 ----	70.3 --	88.3 ---	71.7 ---
LG 31272	77.1 -	74.7 -	83.7 --	69.7 -	88.0 --	69.7 -
LZM 368/08	81.7 ----	79.3 ----	89.3 ----	73.0 ----	91.0 ----	75.7 ----
P8834	79.5 ----	77.7 ----	87.3 ----	70.0 --	90.3 ----	72.0 ----
DFI47199	79.7 ----	77.3 ---	87.7 ----	71.0 ---	88.7 ---	73.7 ----
Prestol	78.9 ---	75.3 --	88.3 ----	70.3 --	89.0 ----	71.7 ---
SY Impulse	79.9 ----	77.0 ---	88.7 ----	70.7 ---	90.0 ----	73.3 ----
SY Enermax	80.9 ----	78.0 ----	89.0 ----	73.0 ----	90.7 ----	73.7 ----
SB1497	81.9 ----	78.0 ----	89.0 ----	74.0 ----	91.7 ----	76.7 ----
KXB8322	77.2 --	75.3 --	82.7 -	70.7 ---	87.7 --	69.7 -
KXB8357	81.8 ----	79.0 ----	89.0 ----	74.7 ----	91.7 ----	74.7 ----
Sixxtus	79.8 ---	77.3 ---	88.0 ---	71.0 ---	89.3 ---	73.3 ---
P9903	82.4 ----	80.3 ----	89.0 ----	75.3 ----	91.0 ----	76.3 ----
ES Gallery	80.3 ----	78.3 ----	87.7 ----	71.7 ---	90.3 ----	73.7 ----
ES Faraday	80.4 ----	79.0 ----	87.0 ----	72.3 ----	90.0 ----	73.7 ----
Bezugs- grösse(n)	78.8 ----	76.5 ---	87.2 ----	70.2 --	89.0 ----	71.2 ---
Versuchs-Mittel	79.3 ----	76.8 ----	87.1 ----	71.1 ---	89.3 ----	72.2 ----
VK [%]	1.2	1.1	1.6	1.3	0.6	1.4
KGD (5%)	0.7	1.3	2.3	1.5	0.9	1.7
KGD (1%)	0.9	1.8	3.1	2.0	1.1	2.2
Versuchs- Streuung	1.0	0.8	1.4	0.9	0.5	1.0
FG Fehlerterm	290.0	58.0	58.0	58.0	58.0	58.0
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	929.4	29	33.14 ***	1.51	0.0000
Anbauorte	25646.3	4	6630.05 ***	2.40	0.0000
WW Verf.*Anb.Orte	214.3	116	1.91 ***	1.28	0.0006
Fehler	280.4	290			
Insgesamt	27070.5	439			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	8046 Reckenholz ZH	8194 Hüntwangen ZH
Gottardo KWS	77.8 -	73.7 -	81.7 -	87.0 -	69.0 -
P9027	80.6 ----	76.0 ----	86.3 ----	89.0 ----	71.0 ---
RGT Planoxx	81.1 ----	76.7 ----	87.3 ----	89.3 ----	71.0 ---
Toutati CS	80.6 ----	75.7 ---	86.0 ----	89.3 ----	71.3 ---
DKC 3361	79.2 --	74.0 -	85.3 ----	88.0 --	69.3 -
Kidemos KWS	81.4 -----	76.7 -----	87.7 -----	90.3 -----	71.0 ---
RGT Turixxo	80.8 ----	76.3 ----	87.3 ----	89.0 ----	70.3 ---
DKC 3787	81.3 ----	76.7 ----	86.7 ----	90.3 ----	71.3 ---
KWS Robertino	79.7 ---	75.7 ---	85.7 ----	88.0 --	69.3 -
KWS Gustavius	79.7 ---	74.7 --	84.7 ----	89.0 ----	70.3 ---
KWS Granados	80.3 ----	75.0 --	86.0 ----	89.3 ----	70.7 ---
RGT Maxxatac	79.3 ---	74.0 -	84.7 ----	89.3 ----	69.0 -
DKC 3595	80.4 ----	75.3 ---	86.0 ----	89.7 ----	70.7 ---
RH18016	79.8 ---	75.3 ---	86.0 ----	88.0 --	70.0 --
RH18018	80.8 ----	75.7 ---	86.7 ----	89.3 ----	71.7 ----
Farmueller	80.2 ----	75.0 --	86.3 ----	88.3 ---	71.0 ---
LG 31272	78.5 --	74.0 -	83.3 --	87.7 --	69.0 -
LZM 368/08	83.2 -----	78.0 -----	88.3 -----	91.7 -----	74.7 -----
P8834	81.6 -----	77.0 ----	86.3 ----	91.0 ----	72.0 ---
DFI47199	81.1 ----	76.3 ----	87.3 ----	89.0 ----	71.7 ---
Prestol	80.1 ----	74.3 --	87.0 ----	88.7 ---	70.3 ---
SY Impulse	82.1 -----	76.0 ----	88.3 -----	90.7 -----	73.3 -----
SY Enermax	83.3 -----	78.3 -----	89.3 -----	91.0 ----	74.3 -----
SB1497	82.8 -----	76.7 ----	88.0 ----	91.7 -----	74.7 -----
KXB8322	78.0 -	74.3 --	81.7 -	87.3 -	68.7 -
KXB8357	82.3 -----	77.7 ----	88.0 ----	91.3 -----	72.0 ----
Sixxtus	81.1 ----	76.3 ----	87.0 ----	89.3 ----	71.7 ----
P9903	83.5 -----	79.3 -----	87.7 ----	91.3 -----	75.7 -----
ES Gallery	81.3 ----	76.7 ----	86.7 ----	90.3 ----	71.7 ----
ES Faraday	81.5 ----	77.7 ----	86.0 ----	90.7 ----	71.7 ----
Bezugsgrösse(n)	80.3 ----	75.3 ---	86.5 -----	89.2 ----	70.2 --
Versuchs-Mittel	80.8 ----	76.0 ----	86.3 ----	89.5 ----	71.3 ----
VK [%]	1.2	1.0	1.5	0.7	1.3
KGD (5%)	0.8	1.2	2.1	1.1	1.5
KGD (1%)	1.0	1.6	2.8	1.4	2.0
Versuchs-Streuung	0.9	0.7	1.3	0.6	0.9
FG Fehlerterm	232.0	58.0	58.0	58.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	727.0	29	28.65 ***	1.52	0.0000
Anbauorte	19808.2	3	7545.15 ***	2.64	0.0000
WW Verf.*Anb.Orte	145.1	87	1.91 ***	1.33	0.0008
Fehler	203.0	232			
Insgesamt	20883.3	351			

Hauteur [cm] / Pflanzenhöhe [cm]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenh. ZH	8194 Hüntw. ZH
Gottardo KWS	240.7 ----	226.7 -----	265.0 ---	255.0 ----	243.3 -	213.3 -----
P9027	235.0 ---	221.7 ----	263.3 ---	243.3 --	253.3 ---	193.3 ---
RGT Planoxx	244.7 -----	230.0 -----	265.0 ---	261.7 -----	266.7 -----	200.0 ----
Toutati CS	243.0 ----	225.0 -----	266.7 ---	256.7 ----	263.3 ----	203.3 ----
DKC 3361	232.3 --	213.3 ---	258.3 --	240.0 -	256.7 ---	193.3 ---
Kidemos KWS	242.3 ----	225.0 -----	266.7 ---	246.7 ---	263.3 ----	210.0 -----
RGT Turixxo	236.3 ---	223.3 -----	256.7 --	255.0 ----	260.0 ----	186.7 --
DKC 3787	228.3 -	218.3 ----	250.0 -	240.0 -	253.3 ---	180.0 -
KWS Robertino	255.3 -----	248.3 -----	271.7 ----	283.3 -----	266.7 -----	206.7 ----
KWS Gustavius	231.0 --	205.0 --	251.7 -	241.7 --	260.0 ----	196.7 ---
KWS Granados	234.0 --	205.0 --	251.7 -	246.7 ---	260.0 ----	206.7 ----
RGT Maxxatac	234.7 ---	211.7 ---	250.0 -	248.3 ---	256.7 ---	206.7 -----
DKC 3595	234.7 ---	216.7 ----	258.3 --	241.7 --	266.7 -----	190.0 --
RH18016	247.7 -----	221.7 ----	263.3 ---	263.3 -----	270.0 -----	220.0 -----
RH18018	250.0 -----	241.7 -----	263.3 ---	258.3 ----	283.3 -----	203.3 ----
Farmueller	228.5 -	208.3 --	248.3 -	252.7 ----	243.3 -	190.0 --
LG 31272	260.7 -----	243.3 -----	276.7 -----	276.7 -----	276.7 -----	230.0 -----
LZM 368/08	264.3 -----	236.7 -----	285.0 -----	280.0 -----	296.7 -----	223.3 -----
P8834	244.0 ---	220.0 ---	258.3 --	255.0 ---	276.7 -----	210.0 ----
DFI47199	253.3 -----	228.3 ----	278.3 ----	280.0 -----	256.7 ---	223.3 -----
Prestol	248.3 ----	230.0 -----	285.0 -----	273.3 -----	236.7 -	216.7 -----
SY Impulse	246.3 ----	238.3 -----	260.0 --	263.3 ----	266.7 -----	203.3 ----
SY Enermax	256.0 -----	233.3 -----	300.0 -----	270.0 -----	280.0 -----	196.7 ---
SB1497	251.7 -----	230.0 -----	275.0 -----	280.0 -----	263.3 ----	210.0 ----
KXB8322	224.7 -	198.3 -	250.0 -	235.0 -	243.3 -	196.7 ---
KXB8357	242.7 ----	208.3 --	268.3 ----	256.7 ----	273.3 -----	206.7 -----
Sixxtus	247.0 ----	228.3 ----	275.0 ----	258.3 ----	266.7 -----	206.7 -----
P9903	247.3 ----	233.3 -----	275.0 ----	265.0 -----	266.7 -----	196.7 ---
ES Gallery	250.3 -----	233.3 -----	270.0 ----	268.3 -----	273.3 -----	206.7 ----
ES Faraday	255.3 -----	226.7 ----	278.3 ----	271.7 -----	273.3 -----	226.7 -----
Bezugs- grösse(n)	237.3 ---	219.2 ----	262.5 ---	243.3 --	260.0 ----	201.7 ----
Versuchs- Mittel	243.7 ----	224.3 -----	266.2 ---	258.9 -----	263.9 ----	205.1 -----
VK [%]	4.6	4.7	5.2	4.6	4.0	4.2
KGD (5%)	8.1	17.3	22.7	19.4	17.1	13.9
KGD (1%)	10.6	23.0	30.2	25.8	22.7	18.5
Versuchs- Streuung	11.2	10.6	13.9	11.9	10.5	8.5
FG	290.0	58.0	58.0	58.0	58.0	58.0
Fehlerterm						
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0
Varianz-Analyse						
	S.Q.	FG	F-Wert	F(95%)	P0	
Verfahren	44453.5	29	12.21 ***	1.51	0.0000	
Anbauorte	270740.5	4	539.18 ***	2.40	0.0000	
WW Verf.*Anb.Orte	25661.9	116	1.76 ***	1.28	0.0009	
Fehler	36404.8	290				
Insgesamt	377260.7	439				

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntw. ZH
Gottardo KWS	102.7 -	106.7 ----	103.3 -	101.7 -	100.0 -	101.7 --
P9027	115.7 ----	110.0 ----	121.7 ----	116.7 ----	121.7 ----	108.3 --
RGT Planoxx	123.7 ----	121.7 ----	130.0 ----	131.7 ----	120.0 ----	115.0 ----
Toutati CS	115.7 ----	103.3 ---	128.3 ----	113.3 ---	120.0 ----	113.3 ----
DKC 3361	113.7 ----	106.7 ----	126.7 ----	115.0 ----	115.0 ---	105.0 ---
Kidemos KWS	112.7 ---	100.0 --	121.7 ---	108.3 --	120.0 ----	113.3 ----
RGT Turixxo	120.3 ----	116.7 ----	128.3 ----	125.0 ----	126.7 ----	105.0 ---
DKC 3787	110.3 ---	103.3 ---	118.3 ---	113.3 ---	120.0 ----	96.7 -
KWS Robertino	119.7 ----	113.3 ----	133.3 ----	130.0 ----	116.7 ----	105.0 ---
KWS Gustavius	107.7 --	96.7 -	108.3 --	108.3 --	115.0 ---	110.0 ----
KWS Granados	107.0 --	98.3 -	113.3 ---	103.3 -	113.3 ---	106.7 ---
RGT Maxxatac	114.3 ----	105.0 ---	125.0 ----	115.0 ----	116.7 ----	110.0 ----
DKC 3595	109.3 --	98.3 -	118.3 ---	106.7 --	120.0 ----	103.3 --
RH18016	122.3 ----	113.3 ----	130.0 ----	125.0 ----	126.7 ----	116.7 ----
RH18018	118.3 ----	118.3 ----	123.3 ----	110.0 --	130.0 ----	110.0 ----
Farmueller	109.0 --	100.0 --	121.7 ---	116.7 ---	103.3 -	103.3 --
LG 31272	131.7 ----	126.7 ----	133.3 ----	138.3 ----	130.0 ----	130.0 ----
LZM 368/08	126.0 ----	115.0 ----	133.3 ----	123.3 ----	136.7 ----	121.7 ----
P8834	128.0 ----	116.7 ----	128.3 ----	131.7 ----	141.7 ----	121.7 ----
DFI47199	118.3 ---	108.3 ---	128.3 ---	125.0 ----	113.3 ---	116.7 ---
Prestol	116.7 ---	103.3 ---	133.3 ----	120.0 ----	110.0 ---	116.7 ----
SY Impulse	116.3 ---	111.7 ----	118.3 ---	115.0 ---	130.0 ----	106.7 ---
SY Enermax	121.7 ----	110.0 ---	141.7 ----	110.0 --	133.3 ----	113.3 ----
SB1497	118.0 ----	95.0 -	135.0 ----	123.3 ----	126.7 ----	110.0 ---
KXB8322	110.7 ---	98.3 -	125.0 ----	111.7 ---	113.3 ---	105.0 ---
KXB8357	120.0 ----	111.7 ----	125.0 ----	121.7 ----	126.7 ----	115.0 ----
Sixxtus	121.3 ----	105.0 ---	136.7 ----	130.0 ----	126.7 ----	108.3 ---
P9903	119.7 ---	111.7 ----	126.7 ---	121.7 ----	130.0 ----	108.3 ---
ES Gallery	124.3 ----	111.7 ----	135.0 ----	126.7 ----	130.0 ----	118.3 ----
ES Faraday	125.7 ----	108.3 ---	130.0 ----	128.3 ----	133.3 ----	128.3 ----
Bezugs- grösse(n)	113.2 ---	103.3 ---	124.2 ----	111.7 ---	117.5 ----	109.2 ----
Versuchs- Mittel	117.4 ----	108.2 ---	126.1 ----	118.9 ---	122.2 ----	111.4 ---
VK [%]	6.7	6.4	6.3	8.1	6.5	5.7
KGD (5%)	5.6	11.3	12.9	15.8	12.9	10.4
KGD (1%)	7.4	15.0	17.1	21.0	17.2	13.9
Versuchs- Streuung	7.8	6.9	7.9	9.7	7.9	6.4
FG	290.0	58.0	58.0	58.0	58.0	58.0
Fehlerterm						
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	20033.1	29	11.27 ***	1.51	0.0000
Anbauorte	19899.2	4	81.17 ***	2.40	0.0000
WW Verf.*Anb.Orte	11937.4	116	1.68 ns	1.28	
Fehler	17774.4	290			
Insgesamt	69644.2	439			

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten	8046 Reckenh. ZH
Gottardo KWS	41.7 -	47.0 ----	35.4 -	39.1 -	39.9 -	41.2 -
P9027	48.3 -----	49.9 -----	41.7 ----	46.1 -----	47.9 -----	48.0 -----
RGT Planoxx	50.1 -----	53.0 -----	45.8 -----	49.1 -----	50.3 -----	45.1 ----
Toutati CS	47.9 ----	45.9 ---	47.9 -----	48.2 -----	44.1 ---	45.6 ---
DKC 3361	47.7 ----	50.0 -----	39.6 ---	49.4 -----	48.0 -----	44.9 ----
Kidemos KWS	45.6 ----	44.5 ---	39.6 ---	45.8 -----	43.9 ---	45.6 ----
RGT Turixxo	50.4 -----	52.2 -----	45.8 -----	50.0 -----	49.0 -----	49.0 -----
DKC 3787	47.4 ----	47.3 ----	41.7 ----	47.4 -----	47.2 ----	47.4 -----
KWS Robertino	45.8 ----	45.6 ---	39.6 ---	49.2 -----	45.9 -----	43.8 ---
KWS Gustavius	46.5 ----	47.2 ----	43.8 ----	43.0 ---	44.8 ----	44.2 ---
KWS Granados	44.6 ---	48.0 ----	37.5 --	45.1 ----	41.7 --	43.6 ---
RGT Maxxatac	48.0 ----	49.6 -----	43.8 ----	50.0 -----	46.3 ----	45.4 ----
DKC 3595	46.0 ----	45.4 ---	41.7 ----	45.8 -----	44.1 ---	45.0 ----
RH18016	48.6 -----	51.2 -----	43.8 ----	49.4 -----	47.5 -----	46.9 ----
RH18018	46.3 ----	48.9 ----	39.6 ---	46.9 -----	42.6 --	45.9 ----
Farmueller	46.2 ----	47.9 ----	37.5 --	49.0 -----	46.1 ----	42.5 --
LG 31272	51.0 -----	52.1 -----	52.1 -----	48.1 -----	50.2 -----	47.0 ----
LZM 368/08	48.3 ----	48.6 ----	50.0 -----	46.9 ----	44.0 ---	46.0 ----
P8834	52.3 -----	53.1 -----	50.0 -----	49.8 -----	51.6 -----	51.2 -----
DFI47199	45.7 ----	47.4 ----	39.6 ---	46.1 ----	44.6 ----	44.2 ---
Prestol	46.3 ----	45.0 ---	41.7 ----	46.8 -----	44.0 ---	46.4 ----
SY Impulse	47.2 ----	47.1 ----	45.8 -----	45.5 ----	43.6 ---	48.8 -----
SY Enermax	46.7 ----	47.2 ----	39.6 ---	47.3 -----	40.7 -	47.6 -----
SB1497	46.5 ----	41.5 -	43.8 ----	49.1 -----	44.1 ---	48.1 -----
KXB8322	48.1 ----	49.5 -----	41.7 ----	50.0 -----	47.6 -----	46.6 ----
KXB8357	50.0 -----	53.8 -----	50.0 -----	46.5 ----	47.4 ----	46.3 ----
Sixxtus	47.6 ----	45.9 ---	39.6 ---	49.8 -----	50.4 -----	47.5 ----
P9903	47.9 ----	47.7 ----	43.8 ----	46.0 ----	45.9 ----	48.7 -----
ES Gallery	50.0 -----	47.9 ----	50.0 -----	50.0 -----	47.2 ----	47.6 ----
ES Faraday	48.5 -----	47.8 ----	43.8 ----	46.9 ----	47.4 ----	48.8 -----
Bezugs- grösse(n)	46.6 ----	47.3 ----	39.6 ---	47.6 -----	46.0 ----	45.2 ----
Versuchs-Mittel	47.6 ----	48.3 ----	43.2 ----	47.4 -----	45.9 ----	46.3 ----
VK [%]	6.1	6.2	7.8	5.8	7.0	5.8
KGD (5%)	1.9	4.9	5.5	4.5	5.3	4.4
KGD (1%)	2.5	6.5	7.3	6.0	7.0	ns
Versuchs- Streuung	2.9	3.0	3.4	2.7	3.2	2.7
FG Fehlerterm	348.0	58.0	58.0	58.0	58.0	58.0
Anz. Beob.	18.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2316.7	29	9.35 ***	1.50	0.0000
Anbauorte	6300.2	5	147.50 ***	2.24	0.0000
WW Verf.*Anb.Orte	2085.7	145	1.68 ns	1.25	
Fehler	2972.9	348			
Insgesamt	13675.4	527			

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

Verfahren	8194	
	Hüntwangen ZH	
Gottardo KWS	47.7	-
P9027	56.1	-----
RGT Planoxx	57.5	-----
Toutati CS	55.8	-----
DKC 3361	54.2	-----
Kidemos KWS	54.0	-----
RGT Turixxo	56.4	-----
DKC 3787	53.7	-----
KWS Robertino	50.6	---
KWS Gustavius	56.0	-----
KWS Granados	51.6	----
RGT Maxxatac	53.2	----
DKC 3595	54.3	-----
RH18016	53.0	----
RH18018	54.1	-----
Farmueller	54.3	-----
LG 31272	56.5	-----
LZM 368/08	54.5	-----
P8834	58.0	-----
DFI47199	52.2	----
Prestol	53.9	----
SY Impulse	52.4	----
SY Enermax	57.9	-----
SB1497	52.5	----
KXB8322	53.4	-----
KXB8357	55.7	-----
Sixxtus	52.4	----
P9903	55.1	-----
ES Gallery	57.3	-----
ES Faraday	56.6	-----
Bezugsgrösse(n)	54.1	-----
Versuchs-Mittel	54.4	-----
VK [%]	4.4	
KGD (5%)	3.9	
KGD (1%)	5.2	
Versuchs-Streuung	2.4	
FG Fehlerterm	58.0	
Anz. Beob.	3.0	

Greensnap [%] / Greensnap [%]

Verfahren	Seriemittel	1896 Vouvry	9436 Balgach / SG
Gottardo KWS	15.1 -----	5.2 -----	25.0 -----
P9027	3.3 --	5.8 -----	0.8 -
RGT Planoxx	3.3 --	0.4 -	6.3 ---
Toutati CS	2.3 --	0.4 -	4.2 --
DKC 3361	3.6 --	6.7 -----	0.4 -
Kidemos KWS	2.3 --	0.4 -	4.2 --
RGT Turixxo	2.9 --	2.0 --	3.8 --
DKC 3787	0.4 -	0.0 -	0.8 -
KWS Robertino	7.6 -----	2.8 ---	12.5 -----
KWS Gustavius	0.2 -	0.4 -	0.0 -
KWS Granados	0.0 -	0.0 -	0.0 -
RGT Maxxatac	0.2 -	0.4 -	0.0 -
DKC 3595	0.2 -	0.4 -	0.0 -
RH18016	1.0 -	2.1 ---	0.0 -
RH18018	3.5 --	0.8 -	6.3 ---
Farmueller	0.2 -	0.4 -	0.0 -
LG 31272	4.4 ---	2.5 ---	6.3 ---
LZM 368/08	3.5 --	0.8 -	6.3 ---
P8834	2.6 --	4.3 -----	0.8 -
DFI47199	9.6 -----	8.5 -----	10.8 -----
Prestol	0.0 -	0.0 -	0.0 -
SY Impulse	0.6 -	0.0 -	1.3 -
SY Enermax	9.3 -----	2.0 ---	16.7 -----
SB1497	0.6 -	0.0 -	1.3 -
KXB8322	0.2 -	0.4 -	0.0 -
KXB8357	0.2 -	0.0 -	0.4 -
Sixxtus	4.0 ---	1.8 --	6.3 ---
P9903	1.2 -	0.4 -	2.1 -
ES Gallery	4.2 ---	0.0 -	8.3 ---
ES Faraday	2.7 --	0.0 -	5.4 --
Bezugsgrösse(n)	2.9 --	3.6 ----	2.3 -
Versuchs-Mittel	3.0 --	1.6 --	4.3 --
VK [%]	190.4	145.9	177.0
KGD (5%)	6.5	3.9	12.5
KGD (1%)	8.6	5.2	ns
Versuchs-Streuung	5.7	2.4	7.7
FG Fehlerterm	116.0	58.0	58.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2095.6	29	2.24 **	1.57	0.0013
Anbauorte	329.1	1	10.21 **	3.92	0.0018
WW Verf.*Anb.Orte	1250.2	29	1.34 ns	1.57	0.1413
Fehler	3738.0	116			
Insgesamt	7413.0	175			

Verse en végétation [note] / Wurzellagerung Vegetation [Note]

Verfahren	Seriemittel	9436 Balgach / SG
Gottardo KWS	1.0 -	1.0 -
P9027	1.6 --	1.6 --
RGT Planoxx	1.7 ---	1.7 ---
Toutati CS	1.0 -	1.0 -
DKC 3361	1.0 -	1.0 -
Kidemos KWS	2.0 ----	2.0 ----
RGT Turixxo	1.3 --	1.3 --
DKC 3787	1.7 ---	1.7 ---
KWS Robertino	3.7 -----	3.7 -----
KWS Gustavius	1.5 --	1.5 --
KWS Granados	1.0 -	1.0 -
RGT Maxxatac	2.7 -----	2.7 -----
DKC 3595	1.0 -	1.0 -
RH18016	1.3 --	1.3 --
RH18018	1.3 --	1.3 --
Farmueller	1.0 -	1.0 -
LG 31272	3.0 -----	3.0 -----
LZM 368/08	2.5 -----	2.5 -----
P8834	1.2 -	1.2 -
DFI47199	2.5 -----	2.5 -----
Prestol	2.0 ----	2.0 ----
SY Impulse	1.3 --	1.3 --
SY Enermax	1.3 --	1.3 --
SB1497	1.0 -	1.0 -
KXB8322	1.2 -	1.2 -
KXB8357	2.3 -----	2.3 -----
Sixxtus	1.7 ---	1.7 ---
P9903	1.0 -	1.0 -
ES Gallery	1.3 --	1.3 --
ES Faraday	1.2 -	1.2 -
Bezugsgrösse(n)	1.5 --	1.5 --
Versuchs-Mittel	1.6 --	1.6 --
VK [%]	58.4	58.4
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.9	0.9
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1567 Delley FR	9436 Balgach / SG
Gottardo KWS	0.0 -	0.0 -	0.0 -
P9027	7.7 --	8.3 --	7.1 --
RGT Planoxx	4.2 --	0.0 -	8.3 ---
Toutati CS	0.0 -	0.0 -	0.0 -
DKC 3361	0.2 -	0.0 -	0.4 -
Kidemos KWS	6.5 --	0.0 -	12.9 ----
RGT Turixxo	2.1 -	0.0 -	4.2 --
DKC 3787	4.2 --	0.0 -	8.3 ---
KWS Robertino	16.7 ----	0.0 -	33.3 -----
KWS Gustavius	3.1 -	0.0 -	6.3 --
KWS Granados	0.0 -	0.0 -	0.0 -
RGT Maxxatac	10.8 ---	0.0 -	21.7 -----
DKC 3595	0.0 -	0.0 -	0.0 -
RH18016	5.4 --	6.7 -	4.2 --
RH18018	2.1 -	0.0 -	4.2 --
Farmueller	0.0 -	0.0 -	0.0 -
LG 31272	12.5 ----	0.0 -	25.0 -----
LZM 368/08	9.4 ---	0.0 -	18.8 ----
P8834	32.7 -----	63.3 -----	2.1 -
DFI47199	10.2 ---	1.7 -	18.8 ----
Prestol	9.6 ---	6.7 -	12.5 ----
SY Impulse	2.1 -	0.0 -	4.2 --
SY Enermax	2.1 -	0.0 -	4.2 --
SB1497	0.0 -	0.0 -	0.0 -
KXB8322	1.0 -	0.0 -	2.1 -
KXB8357	8.3 ---	0.0 -	16.7 ----
Sixxtus	4.2 --	0.0 -	8.3 ---
P9903	0.0 -	0.0 -	0.0 -
ES Gallery	4.1 --	4.0 -	4.2 --
ES Faraday	7.7 --	13.3 --	2.1 -
Bezugsgrösse(n)	3.3 -	0.0 -	6.7 --
Versuchs-Mittel	5.6 --	3.5 -	7.7 --
VK [%]	173.7	199.8	153.8
KGD (5%)	11.0	11.3	ns
KGD (1%)	14.6	15.1	ns
Versuchs-Streuung	9.7	6.9	11.8
FG Fehlerterm	116.0	58.0	58.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	8005.2	29	2.96 ***	1.57	0.0003
Anbauorte	788.6	1	8.46 **	3.92	0.0044
WW Verf.*Anb.Orte	10513.8	29	3.89 ***	1.57	0.0001
Fehler	10814.9	116			
Insgesamt	30122.4	175			

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

Verfahren	Seriemittel	8046 Reckenholz ZH	9436 Balgach / SG
Gottardo KWS	0.5 -	0.0 -	0.9 -
P9027	5.5 ---	0.0 -	11.0 ---
RGT Planoxx	2.5 --	0.0 -	5.0 --
Toutati CS	0.0 -	0.0 -	0.0 -
DKC 3361	1.2 -	0.0 -	2.5 -
Kidemos KWS	5.2 ---	0.0 -	10.3 ---
RGT Turixxo	6.2 ----	0.0 -	12.3 ----
DKC 3787	3.9 --	0.0 -	7.7 --
KWS Robertino	15.8 -----	0.0 -	31.7 -----
KWS Gustavius	5.5 ---	0.0 -	11.0 ---
KWS Granados	0.3 -	0.0 -	0.6 -
RGT Maxxatac	17.0 -----	0.0 -	34.0 -----
DKC 3595	2.3 --	0.0 -	4.7 --
RH18016	3.1 --	0.0 -	6.2 --
RH18018	1.5 -	0.6 ---	2.3 -
Farmueller	2.0 --	0.0 -	4.1 --
LG 31272	6.5 ----	0.0 -	13.0 ----
LZM 368/08	6.7 ----	0.0 -	13.5 ----
P8834	5.2 ---	1.7 -----	8.7 ---
DFI47199	6.2 ----	0.0 -	12.5 ----
Prestol	5.5 ---	0.0 -	11.1 ---
SY Impulse	5.0 ---	0.0 -	10.0 ---
SY Enermax	11.2 -----	0.0 -	22.4 -----
SB1497	1.8 -	0.0 -	3.5 -
KXB8322	3.9 --	0.0 -	7.8 --
KXB8357	5.2 ---	0.0 -	10.5 ---
Sixtus	3.8 --	0.0 -	7.6 --
P9903	1.4 -	0.0 -	2.9 -
ES Gallery	7.1 ----	0.0 -	14.1 ----
ES Faraday	2.0 --	0.0 -	4.0 --
Bezugsgrösse(n)	3.2 --	0.0 -	6.4 --
Versuchs-Mittel	4.8 ---	0.1 -	9.5 ---
VK [%]	122.4	748.0	87.1
KGD (5%)	6.7	ns	13.6
KGD (1%)	8.9	ns	18.1
Versuchs-Streuung	5.9	0.6	8.3
FG Fehlerterm	116.0	58.0	58.0
Anz. Beob.	6.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	2809.1	29	2.80 ***	1.57	0.0004
Anbauorte	4024.2	1	116.20 ***	3.92	0.0000
WW Verf.*Anb.Orte	2843.6	29	2.83 ***	1.57	0.0003
Fehler	4017.3	116			
Insgesamt	13694.1	175			

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

Verfahren	Seriemittel	1567 Delley FR
Gottardo KWS	1.0 -	1.0 -
P9027	2.0 -----	2.0 -----
RGT Planoxx	1.0 -	1.0 -
Toutati CS	2.3 -----	2.3 -----
DKC 3361	2.0 -----	2.0 -----
Kidemos KWS	1.3 ---	1.3 ---
RGT Turixxo	1.0 -	1.0 -
DKC 3787	1.3 ---	1.3 ---
KWS Robertino	1.3 ---	1.3 ---
KWS Gustavius	1.7 -----	1.7 -----
KWS Granados	1.0 -	1.0 -
RGT Maxxatac	1.0 -	1.0 -
DKC 3595	2.0 -----	2.0 -----
RH18016	1.7 -----	1.7 -----
RH18018	1.0 -	1.0 -
Farmueller	1.7 -----	1.7 -----
LG 31272	1.3 ---	1.3 ---
LZM 368/08	1.3 ---	1.3 ---
P8834	2.0 -----	2.0 -----
DFI47199	2.0 -----	2.0 -----
Prestol	1.0 -	1.0 -
SY Impulse	1.3 ---	1.3 ---
SY Enermax	1.0 -	1.0 -
SB1497	2.3 -----	2.3 -----
KXB8322	2.0 -----	2.0 -----
KXB8357	1.7 -----	1.7 -----
Sixxtus	2.3 -----	2.3 -----
P9903	1.3 ---	1.3 ---
ES Gallery	2.0 -----	2.0 -----
ES Faraday	1.0 -	1.0 -
Bezugsgrösse(n)	1.7 -----	1.7 -----
Versuchs-Mittel	1.5 ---	1.5 ---
VK [%]	47.1	47.1
KGD (5%)	ns	ns
KGD (1%)	ns	ns
Versuchs-Streuung	0.7	0.7
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

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

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH	8194 Hüntwangen ZH	9436 Balgach / SG
Gottardo KWS	0.4 -	0.0 -	0.0 -	0.0 -	1.4 ---
P9027	3.5 -----	12.5 -----	0.7 --	0.0 -	0.8 --
RGT Planoxx	0.1 -	0.0 -	0.0 -	0.0 -	0.6 -
Toutati CS	5.5 -----	16.7 -----	0.0 -	0.0 -	5.3 -----
DKC 3361	3.1 -----	12.5 -----	0.0 -	0.0 -	0.0 -
Kidemos KWS	1.6 ---	4.2 ---	0.0 -	0.6 -----	1.7 ---
RGT Turixxo	0.2 -	0.0 -	0.6 --	0.0 -	0.0 -
DKC 3787	1.0 --	4.2 ---	0.0 -	0.0 -	0.0 -
KWS Robertino	1.7 ---	4.2 ---	0.7 --	0.0 -	1.7 ---
KWS Gustavius	2.3 ---	8.3 ---	0.0 -	0.0 -	0.7 --
KWS Granados	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
RGT Maxxatac	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
DKC 3595	4.3 -----	12.5 -----	0.0 -	0.0 -	4.8 -----
RH18016	2.1 ---	8.3 ---	0.0 -	0.0 -	0.0 -
RH18018	0.2 -	0.0 -	0.6 --	0.0 -	0.0 -
Farmueller	2.2 ---	8.3 ---	0.0 -	0.0 -	0.7 --
LG 31272	1.0 --	4.2 ---	0.0 -	0.0 -	0.0 -
LZM 368/08	1.8 ---	4.2 ---	0.0 -	0.6 -----	2.4 ---
P8834	3.3 ---	12.5 -----	0.0 -	0.0 -	0.7 --
DFI47199	4.0 -----	12.5 -----	0.0 -	0.0 -	3.3 -----
Prestol	0.0 -	0.0 -	0.0 -	0.0 -	0.0 -
SY Impulse	2.1 ---	4.2 ---	0.0 -	0.0 -	4.4 -----
SY Enermax	0.5 -	0.0 -	0.0 -	0.0 -	1.9 ---
SB1497	4.4 -----	16.7 -----	0.0 -	0.0 -	0.9 --
KXB8322	3.3 ---	12.5 -----	0.0 -	0.0 -	0.6 --
KXB8357	2.6 ---	8.3 ---	0.0 -	0.0 -	1.9 ---
Sixxtus	4.2 -----	16.7 -----	0.0 -	0.0 -	0.0 -
P9903	1.0 --	4.2 ---	0.0 -	0.0 -	0.0 -
ES Gallery	3.1 ---	12.5 -----	0.0 -	0.0 -	0.0 -
ES Faraday	1.7 ---	0.0 -	5.1 -----	0.0 -	1.5 ---
Bezugsgrösse(n)	2.4 ---	8.3 ---	0.0 -	0.3 -----	0.9 --
Versuchs-Mittel	2.0 ---	6.7 ---	0.3 -	0.0 -	1.2 --
VK [%]	232.7	135.4	513.4	659.8	214.2
KGD (5%)	ns	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns	ns
Versuchs-Streuung	4.7	9.0	1.3	0.3	2.5
FG Fehlerterm	232.0	58.0	58.0	58.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	850.0	29	1.31 ns	1.52	0.1439
Anbauorte	2639.3	3	39.22 ***	2.64	0.0000
WW Verf.*Anb.Orte	2409.9	87	1.23 ns	1.33	
Fehler	5204.4	232			
Insgesamt	11103.6	351			

Fusariose [note] / Stängelfäule [Note]

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH	8194 Hüntwangen ZH	9436 Balgach / SG
Gottardo KWS	1.6 ---	1.0 -	1.7 ---	1.0 -	2.7 ----
P9027	2.0 ----	3.0 ----	1.8 ----	1.0 -	2.0 ---
RGT Planoxx	1.4 --	1.0 -	2.0 ----	1.0 -	1.5 --
Toutati CS	2.1 ----	2.3 ----	2.7 ----	1.0 -	2.3 ---
DKC 3361	1.5 --	1.0 -	2.5 ----	1.3 ----	1.0 -
Kidemos KWS	2.4 ----	4.3 ----	1.5 --	1.0 -	2.7 ----
RGT Turixxo	1.3 -	1.0 -	1.7 ---	1.2 ---	1.5 --
DKC 3787	1.5 --	1.7 --	1.7 ---	1.0 -	1.7 --
KWS Robertino	1.6 ---	1.3 -	2.0 ----	1.7 ----	1.3 -
KWS Gustavius	1.6 ---	1.3 -	2.0 ----	1.0 -	2.0 ---
KWS Granados	1.3 -	1.3 -	1.2 -	1.0 -	1.5 --
RGT Maxxatac	1.3 -	1.0 -	1.7 ---	1.3 ----	1.3 -
DKC 3595	2.8 ----	4.7 ----	2.3 ----	1.3 ----	3.0 ----
RH18016	1.2 -	1.0 -	1.3 --	1.0 -	1.3 -
RH18018	1.2 -	1.0 -	1.3 --	1.0 -	1.5 --
Farmueller	2.7 ----	3.7 ----	3.2 ----	1.7 ----	2.3 ---
LG 31272	1.2 -	1.0 -	1.8 ----	1.0 -	1.1 -
LZM 368/08	1.3 -	1.0 -	1.5 --	1.0 -	1.7 --
P8834	1.7 ---	1.3 -	1.7 ---	1.0 -	2.8 ----
DFI47199	2.5 ----	1.7 --	2.7 ----	1.7 ----	4.0 ----
Prestol	1.3 -	1.0 -	1.7 ---	1.2 ---	1.5 --
SY Impulse	1.4 --	1.0 -	1.0 -	1.0 -	2.7 ----
SY Enermax	1.5 --	1.0 -	1.3 --	1.3 ----	2.2 ----
SB1497	2.6 ----	4.7 ----	2.2 ----	1.3 ----	2.3 ---
KXB8322	1.2 -	1.0 -	1.7 ---	1.0 -	1.1 -
KXB8357	1.3 -	1.0 -	1.7 ---	1.0 -	1.3 -
Sixxtus	1.9 ----	1.3 -	3.0 ----	1.7 ----	1.5 --
P9903	1.2 -	1.3 -	1.3 --	1.2 ---	1.0 -
ES Gallery	1.5 --	2.0 ---	1.7 ---	1.3 ----	1.0 -
ES Faraday	1.3 -	1.0 -	1.7 ---	1.0 -	1.3 -
Bezugsgrösse(n)	1.9 ----	2.7 ----	2.0 ----	1.2 ---	1.8 ---
Versuchs-Mittel	1.6 ---	1.7 --	1.8 ----	1.2 ---	1.8 ---
VK [%]	45.7	42.7	39.8	40.2	53.2
KGD (5%)	0.6	1.2	ns	ns	ns
KGD (1%)	0.8	1.6	ns	ns	ns
Versuchs-Streuung	0.7	0.7	0.7	0.5	1.0
FG Fehlerterm	232.0	58.0	58.0	58.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	86.9	29	5.34 ***	1.52	0.0000
Anbauorte	27.3	3	16.22 ***	2.64	0.0000
WW Verf.*Anb.Orte	104.2	87	2.14 ***	1.33	0.0004
Fehler	130.1	232			
Insgesamt	348.6	351			

Fusariose [%] / Stängelfäule [%]

Verfahren	Seriemittel	1567 Delley FR	8046 Reckenholz ZH	8194 Hüntwangen ZH	9436 Balgach / SG
Gottardo KWS	7.3 ---	0.0 -	8.3 ---	0.0 -	20.8 ----
P9027	12.0 ----	25.0 ----	10.4 ----	0.0 -	12.5 ---
RGT Planoxx	4.7 --	0.0 -	12.5 ----	0.0 -	6.3 --
Toutati CS	13.5 ----	16.7 ----	20.8 ----	0.0 -	16.7 ---
DKC 3361	5.7 --	0.0 -	18.8 ----	4.2 ----	0.0 -
Kidemos KWS	17.2 ----	41.7 ----	6.3 --	0.0 -	20.8 ----
RGT Turixxo	4.2 -	0.0 -	8.3 ---	2.1 ---	6.3 --
DKC 3787	6.3 --	8.3 --	8.3 ---	0.0 -	8.3 --
KWS Robertino	7.3 ---	4.2 -	12.5 ----	8.3 ----	4.2 -
KWS Gustavius	7.3 ---	4.2 -	12.5 ----	0.0 -	12.5 ---
KWS Granados	3.1 -	4.2 -	2.1 -	0.0 -	6.3 --
RGT Maxxatac	4.2 -	0.0 -	8.3 ---	4.2 ----	4.2 -
DKC 3595	22.9 ----	45.8 ----	16.7 ----	4.2 ----	25.0 ----
RH18016	2.1 -	0.0 -	4.2 --	0.0 -	4.2 -
RH18018	2.6 -	0.0 -	4.2 --	0.0 -	6.3 --
Farmueller	21.4 ----	33.3 ----	27.1 ----	8.3 ----	16.7 ---
LG 31272	2.8 -	0.0 -	10.4 ----	0.0 -	0.8 -
LZM 368/08	3.6 -	0.0 -	6.3 --	0.0 -	8.3 --
P8834	8.9 ---	4.2 -	8.3 ---	0.0 -	22.9 ----
DFI47199	18.8 ----	8.3 --	20.8 ----	8.3 ----	37.5 ----
Prestol	4.2 -	0.0 -	8.3 ---	2.1 ---	6.3 --
SY Impulse	5.2 --	0.0 -	0.0 -	0.0 -	20.8 ----
SY Enermax	5.7 --	0.0 -	4.2 --	4.2 ----	14.6 ----
SB1497	20.3 ----	45.8 ----	14.6 ----	4.2 ----	16.7 ---
KXB8322	2.3 -	0.0 -	8.3 ---	0.0 -	0.8 -
KXB8357	3.1 -	0.0 -	8.3 ---	0.0 -	4.2 -
Sixxtus	10.9 ----	4.2 -	25.0 ----	8.3 ----	6.3 --
P9903	2.6 -	4.2 -	4.2 --	2.1 ---	0.0 -
ES Gallery	6.3 --	12.5 ---	8.3 ---	4.2 ----	0.0 -
ES Faraday	3.1 -	0.0 -	8.3 ---	0.0 -	4.2 -
Bezugsgrösse(n)	11.5 ----	20.8 ----	12.5 ----	2.1 ---	10.4 ---
Versuchs-Mittel	8.0 ---	8.8 --	10.6 ----	2.2 ---	10.5 ---
VK [%]	117.3	103.8	86.9	273.6	116.7
KGD (5%)	7.5	14.8	ns	ns	ns
KGD (1%)	9.9	19.7	ns	ns	ns
Versuchs-Streuung	9.4	9.1	9.2	5.9	12.2
FG Fehlerterm	232.0	58.0	58.0	58.0	58.0
Anz. Beob.	12.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	13585.0	29	5.34 ***	1.52	0.0000
Anbauorte	4265.5	3	16.22 ***	2.64	0.0000
WW Verf.*Anb.Orte	16283.9	87	2.14 ***	1.33	0.0004
Fehler	20335.6	232			
Insgesamt	54470.0	351			

Helminthosporium turcicum [note] / Helminthosporium turcicum [Note]

Verfahren	Seriemittel		1896		9436	
			Vouvry		Balgach / SG	
Gottardo KWS	2.5	----	2.7	---	2.3	-----
P9027	2.5	----	3.7	-----	1.3	--
RGT Planoxx	2.8	-----	3.7	-----	2.0	----
Toutati CS	2.8	-----	3.7	-----	1.8	---
DKC 3361	2.7	-----	4.3	-----	1.0	-
Kidemos KWS	1.8	-	2.3	--	1.3	--
RGT Turixxo	2.2	---	2.7	---	1.7	----
DKC 3787	2.7	----	4.0	-----	1.3	--
KWS Robertino	2.7	----	3.7	-----	1.7	----
KWS Gustavius	2.3	----	3.0	----	1.7	----
KWS Granados	2.3	----	2.3	--	2.3	-----
RGT Maxxatac	2.5	----	3.3	-----	1.7	----
DKC 3595	2.8	-----	3.3	-----	2.3	-----
RH18016	2.3	---	2.7	---	1.8	----
RH18018	1.7	-	2.0	-	1.3	--
Farmueller	2.9	-----	3.0	----	2.8	-----
LG 31272	1.9	--	2.0	-	1.8	----
LZM 368/08	2.3	----	3.0	----	1.7	----
P8834	2.5	----	3.3	-----	1.7	----
DFI47199	3.3	-----	4.3	-----	2.3	-----
Prestol	2.4	----	3.3	-----	1.5	---
SY Impulse	2.8	-----	3.3	-----	2.3	-----
SY Enermax	1.9	--	2.3	--	1.5	---
SB1497	2.7	-----	3.0	----	2.3	-----
KXB8322	1.9	--	2.7	---	1.2	-
KXB8357	2.1	---	3.0	----	1.2	-
Sixtus	2.6	----	3.3	-----	1.8	----
P9903	1.8	-	2.0	-	1.7	----
ES Gallery	2.0	--	2.7	---	1.3	--
ES Faraday	2.0	--	2.7	---	1.3	--
Bezugsgrösse(n)	2.3	---	3.3	-----	1.2	-
Versuchs-Mittel	2.4	----	3.0	----	1.7	----
VK [%]	28.8		21.9		40.8	
KGD (5%)	0.8		1.1		ns	
KGD (1%)	1.0		1.5		ns	
Versuchs-Streuung	0.7		0.7		0.7	
FG Fehlerterm	116.0		58.0		58.0	
Anz. Beob.	6.0		3.0		3.0	

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	27.4	29	2.00 **	1.57	0.0053
Anbauorte	76.7	1	161.85 ***	3.92	0.0000
WW Verf.*Anb.Orte	25.7	29	1.87 *	1.57	0.0106
Fehler	55.0	116			
Insgesamt	184.8	175			

Charbon [%] / Beulenbrand [%]

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH	8194 Hüntwa. ZH
Gottardo KWS	6.5 ----	3.9 -----	7.7 ----	4.6 --	8.9 ----	7.7 --
P9027	4.3 ---	3.7 ----	2.3 --	1.3 -	8.0 ---	6.6 --
RGT Planoxx	9.7 -----	0.9 --	13.0 -----	4.8 --	8.9 ----	20.9 -----
Toutati CS	4.5 ---	0.9 --	11.6 -----	2.0 -	0.6 -	7.7 --
DKC 3361	6.3 ----	3.8 -----	5.2 ---	5.3 --	3.6 --	13.4 -----
Kidemos KWS	11.0 -----	3.1 ----	4.7 ---	23.8 -----	18.8 -----	4.4 --
RGT Turixxo	5.0 ----	0.0 -	5.2 ---	2.3 -	3.2 --	14.4 ----
DKC 3787	1.2 -	0.0 -	1.8 -	1.2 -	1.8 -	1.1 -
KWS Robertino	5.7 ----	6.2 -----	3.6 --	5.2 --	4.4 --	9.3 --
KWS Gustavius	3.8 ---	4.9 -----	0.8 -	1.9 -	7.3 ---	4.0 --
KWS Granados	6.6 ----	4.0 ----	2.3 --	2.0 -	9.5 ----	15.4 ----
RGT Maxxatac	1.2 -	1.2 --	1.3 -	0.8 -	0.7 -	2.0 -
DKC 3595	7.1 ----	2.2 ---	2.0 -	2.5 -	3.0 --	25.8 -----
RH18016	3.3 --	0.8 --	3.9 ---	1.2 -	2.8 --	7.8 ---
RH18018	8.1 -----	2.4 ----	9.6 -----	4.2 --	10.3 ----	13.9 ----
Farmueller	8.7 -----	3.8 ----	3.8 ---	8.3 ---	22.4 -----	5.3 --
LG 31272	2.1 -	0.9 --	2.5 --	0.4 -	5.6 ---	1.1 -
LZM 368/08	5.4 ----	2.7 ----	13.7 -----	2.6 -	7.2 ---	0.6 -
P8834	2.9 --	2.1 ---	2.2 -	0.8 -	0.7 -	8.7 ---
DFI47199	6.9 ----	1.7 ---	6.9 ----	0.8 -	12.5 -----	12.6 ----
Prestol	3.4 --	0.4 -	0.7 -	0.0 -	7.7 ---	8.0 ---
SY Impulse	9.5 -----	1.8 ---	7.7 ----	5.8 ---	20.0 -----	12.2 ----
SY Enermax	1.1 -	0.0 -	1.2 -	0.7 -	0.0 -	3.7 --
SB1497	3.5 ---	2.1 ---	3.2 --	3.7 --	3.7 --	4.6 --
KXB8322	2.4 --	0.4 -	5.2 ---	1.2 -	5.1 --	0.0 -
KXB8357	3.6 ---	1.6 ---	1.6 -	0.8 -	5.1 --	9.1 ---
Sixxtus	6.1 ----	3.0 ----	2.6 --	2.9 --	10.6 ----	11.4 ----
P9903	1.1 -	0.0 -	1.2 -	0.8 -	2.1 -	1.3 -
ES Gallery	1.6 -	0.0 -	0.8 -	0.4 -	2.5 -	4.3 --
ES Faraday	5.3 ----	3.3 ----	2.5 --	0.8 -	3.3 --	16.6 -----
Bezugs- grösse(n)	8.6 -----	3.5 ----	5.0 ---	14.5 -----	11.2 -----	8.9 ---
Versuchs- Mittel	4.9 ----	2.1 ---	4.4 ---	3.1 --	6.7 ---	8.5 ---
VK [%]	116.9	76.1	74.8	109.6	77.4	126.7
KGD (5%)	4.1	2.6	5.3	5.6	8.4	ns
KGD (1%)	5.5	3.4	7.1	7.4	11.2	ns
Versuchs- Streuung	5.8	1.6	3.3	3.4	5.2	10.7
FG	290.0	58.0	58.0	58.0	58.0	58.0
Fehlerterm						
Anz. Beob.	15.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	3303.4	29	3.43 ***	1.51	0.0001
Anbauorte	2461.2	4	18.52 ***	2.40	0.0000
WW Verf.*Anb.Orte	6064.7	116	1.57 ns	1.28	
Fehler	9635.3	290			
Insgesamt	21464.6	439			

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

Verfahren	Seriemittel	1260 Nyon	1896 Vouvry	3065 Habstetten
Gottardo KWS	2.2 ---	1.3 --	4.4 -----	0.8 --
P9027	1.5 ---	2.3 ----	1.4 ---	0.9 ---
RGT Planoxx	0.7 -	0.4 -	0.0 -	1.6 ----
Toutati CS	2.6 -----	3.7 -----	4.1 -----	0.0 -
DKC 3361	2.2 -----	0.4 -	4.1 -----	2.1 -----
Kidemos KWS	0.9 -	0.4 -	1.2 ---	1.1 ---
RGT Turixxo	1.6 ---	0.4 -	3.2 -----	1.1 ---
DKC 3787	1.2 --	1.7 ---	1.5 ---	0.4 --
KWS Robertino	1.7 ---	1.9 ---	2.0 ---	1.2 ---
KWS Gustavius	1.1 --	1.6 ---	0.8 --	0.7 --
KWS Granados	1.9 ----	3.9 -----	1.9 ----	0.0 -
RGT Maxxatac	1.2 --	0.8 --	0.9 --	2.0 ----
DKC 3595	1.1 --	0.9 --	1.2 ---	1.2 ---
RH18016	2.8 -----	5.5 -----	2.5 ----	0.4 --
RH18018	1.9 ----	1.9 ---	2.7 ----	1.1 ---
Farmueller	1.5 ---	2.3 ----	1.9 ----	0.4 -
LG 31272	1.4 --	0.5 -	3.8 -----	0.0 -
LZM 368/08	2.0 ---	4.4 -----	1.5 ---	0.0 -
P8834	0.9 -	0.9 --	1.3 ---	0.4 -
DFI47199	2.1 ---	0.0 -	3.5 -----	2.8 -----
Prestol	0.8 -	0.4 -	1.1 ---	0.8 --
SY Impulse	1.6 ---	1.8 ---	1.3 ---	1.7 ----
SY Enermax	1.7 ---	1.6 ---	1.6 ----	1.9 ----
SB1497	1.3 --	2.1 ----	0.8 --	1.1 ---
KXB8322	3.8 -----	3.7 -----	4.0 -----	3.6 -----
KXB8357	2.0 ----	2.0 ---	1.6 ---	2.6 ----
Sixxtus	1.4 --	1.7 ---	1.7 ----	0.8 --
P9903	1.8 ----	3.1 -----	2.4 ----	0.0 -
ES Gallery	1.2 --	1.3 --	1.9 ----	0.4 -
ES Faraday	1.6 ---	1.9 ---	1.2 ---	1.6 ----
Bezugsgrösse(n)	1.6 ---	0.4 -	2.7 ----	1.6 ----
Versuchs-Mittel	1.7 ---	1.8 ---	2.1 ----	1.1 ---
VK [%]	123.4	133.5	96.8	149.2
KGD (5%)	ns	ns	ns	ns
KGD (1%)	ns	ns	ns	ns
Versuchs-Streuung	2.0	2.4	2.0	1.6
FG Fehlerterm	174.0	58.0	58.0	58.0
Anz. Beob.	9.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	111.3	29	0.92 ns	1.53	0.5888
Anbauorte	45.2	2	5.42 **	3.04	0.0052
WW Verf.*Anb.Orte	234.9	58	0.97 ns	1.40	0.5412
Fehler	726.2	174			
Insgesamt	1117.5	263			

Impression générale [note] / Allgemeiner Eindruck [Note]

Verfahren	Seriemittel	1567 Delley FR
Gottardo KWS	2.7 ----	2.7 ----
P9027	4.0 -----	4.0 -----
RGT Planoxx	1.3 -	1.3 -
Toutati CS	3.3 ----	3.3 ----
DKC 3361	2.3 ---	2.3 ---
Kidemos KWS	4.0 -----	4.0 -----
RGT Turixxo	2.3 ---	2.3 ---
DKC 3787	2.0 --	2.0 --
KWS Robertino	2.3 ---	2.3 ---
KWS Gustavius	2.0 --	2.0 --
KWS Granados	2.3 ---	2.3 ---
RGT Maxxatac	2.0 --	2.0 --
DKC 3595	5.0 -----	5.0 -----
RH18016	3.3 ----	3.3 ----
RH18018	2.7 ----	2.7 ----
Farmueller	3.3 ----	3.3 ----
LG 31272	2.3 ---	2.3 ---
LZM 368/08	2.0 --	2.0 --
P8834	5.0 -----	5.0 -----
DFI47199	3.3 ----	3.3 ----
Prestol	3.0 ----	3.0 ----
SY Impulse	3.3 ----	3.3 ----
SY Enermax	2.0 --	2.0 --
SB1497	4.7 -----	4.7 -----
KXB8322	2.3 ---	2.3 ---
KXB8357	2.0 --	2.0 --
Sixxtus	3.0 ----	3.0 ----
P9903	3.0 ----	3.0 ----
ES Gallery	3.0 ----	3.0 ----
ES Faraday	3.3 ----	3.3 ----
Bezugsgrösse(n)	3.2 -----	3.2 -----
Versuchs-Mittel	2.9 ----	2.9 ----
VK [%]	28.5	28.5
KGD (5%)	1.4	1.4
KGD (1%)	1.8	1.8
Versuchs-Streuung	0.8	0.8
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

Densité [plantés/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten	8046 Reckenholz ZH
Gottardo KWS	7.9 --	7.5 --	7.5 -	7.8 ---	7.9 -	8.3 ----
P9027	7.8 -	7.4 -	7.5 -	7.4 -	7.7 -	8.4 ----
RGT Planoxx	8.2 ----	7.8 ---	7.5 -	8.0 ----	8.3 ---	8.6 ----
Toutati CS	8.1 ---	8.0 ----	7.5 -	8.0 ----	7.9 --	8.6 ----
DKC 3361	8.2 ----	7.8 ----	7.5 -	8.2 ----	8.2 ---	8.6 ----
Kidemos KWS	8.3 ----	8.5 ----	7.5 -	8.6 ----	8.5 ----	8.4 ----
RGT Turixxo	8.3 ----	8.1 ----	7.5 -	8.4 ----	8.7 ----	8.6 ----
DKC 3787	8.4 ----	8.0 ----	7.5 -	8.6 ----	8.3 ---	8.7 ----
KWS Robertino	8.6 ----	8.4 ----	7.5 -	8.3 ----	8.6 ----	8.9 ----
KWS Gustavius	8.5 ----	8.1 ----	7.5 -	8.3 ----	8.9 ----	9.1 ----
KWS Granados	8.2 ----	8.3 ----	7.5 -	8.5 ----	8.3 ---	8.4 ----
RGT Maxxatac	8.1 ---	7.8 ---	7.5 -	7.8 ---	8.4 ---	7.9 ---
DKC 3595	8.1 ---	7.4 -	7.5 -	8.4 ----	8.2 ---	8.7 ----
RH18016	8.2 ----	7.6 ---	7.5 -	8.3 ----	8.1 ---	9.0 ----
RH18018	8.5 ----	8.7 ----	7.5 -	8.7 ----	8.7 ----	9.2 ----
Farmueller	8.6 ----	8.6 ----	7.5 -	8.7 ----	9.2 ----	8.8 ----
LG 31272	8.1 ---	7.4 -	7.5 -	8.0 ---	8.5 ----	8.4 ----
LZM 368/08	8.4 ----	8.3 ----	7.5 -	8.6 ----	8.7 ----	8.4 ----
P8834	8.0 --	7.8 ---	7.5 -	7.6 --	8.0 --	8.3 ----
DFI47199	8.1 ---	7.9 ---	7.5 -	7.8 ---	8.4 ---	8.1 ---
Prestol	8.6 ----	8.4 ----	7.5 -	9.0 ----	8.4 ---	8.8 ----
SY Impulse	7.8 -	7.6 ---	7.5 -	7.8 ---	8.2 ---	7.3 -
SY Enermax	8.5 ----	8.5 ----	7.5 -	8.5 ----	8.6 ----	8.7 ----
SB1497	8.2 ----	8.0 ----	7.5 -	8.5 ----	9.0 ----	8.3 ----
KXB8322	8.2 ----	8.1 ----	7.5 -	8.4 ----	8.2 ---	8.5 ----
KXB8357	8.2 ----	8.4 ----	7.5 -	8.4 ----	8.5 ----	8.6 ----
Sixxtus	8.0 ---	7.8 ---	7.5 -	7.6 --	8.2 ---	8.6 ----
P9903	8.2 ----	7.7 ---	7.5 -	8.6 ----	8.0 --	8.8 ----
ES Gallery	8.2 ----	7.8 ---	7.5 -	8.6 ----	8.2 ---	8.4 ----
ES Faraday	8.0 --	7.3 -	7.5 -	7.9 ---	8.5 ----	8.1 ---
Bezugs- grösse(n)	8.2 ----	8.1 ----	7.5 -	8.4 ----	8.3 ----	8.5 ----
Versuchs-Mittel	8.2 ----	8.0 ----	7.5 -	8.3 ----	8.4 ---	8.5 ----
VK [%]	5.6	5.4	0.0	4.7	4.9	6.7
KGD (5%)	0.3	0.7	0.0	0.6	0.7	ns
KGD (1%)	0.4	0.9	0.0	0.8	ns	ns
Versuchs- Streuung	0.5	0.4	0.0	0.4	0.4	0.6
FG Fehlerterm	406.0	58.0	58.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	28.3	29	4.65 ***	1.50	0.0000
Anbauorte	64.7	6	51.40 ***	2.12	0.0000
WW Verf.*Anb.Orte	46.5	174	1.27 ns	1.23	
Fehler	85.2	406			
Insgesamt	224.7	615			

Densité [plantés/m²] / Bestandesdichte [Pflanzen/m²]

Verfahren	8194		9436	
	Hüntwangen ZH		Balgach / SG	
Gottardo KWS	7.6	-	8.9	-----
P9027	8.2	----	7.8	-
RGT Planoxx	8.5	----	8.8	-----
Toutati CS	8.0	---	8.5	----
DKC 3361	8.6	-----	8.5	-----
Kidemos KWS	8.6	-----	7.8	-
RGT Turixxo	7.8	--	8.9	-----
DKC 3787	8.4	----	9.1	-----
KWS Robertino	8.8	-----	9.2	-----
KWS Gustavius	8.6	-----	8.8	-----
KWS Granados	8.2	----	8.3	---
RGT Maxxatac	8.1	---	8.9	-----
DKC 3595	7.7	--	8.6	----
RH18016	8.5	-----	8.6	----
RH18018	8.6	-----	8.3	---
Farmueller	8.6	-----	8.6	-----
LG 31272	8.4	----	8.4	----
LZM 368/08	8.9	-----	8.3	----
P8834	8.7	-----	7.9	-
DFI47199	8.5	-----	8.0	--
Prestol	9.4	-----	8.7	-----
SY Impulse	7.9	--	8.5	----
SY Enermax	8.7	-----	8.6	-----
SB1497	8.2	----	8.2	---
KXB8322	8.1	---	8.3	---
KXB8357	7.5	-	8.6	-----
Sixtus	8.3	----	8.2	---
P9903	8.2	----	8.6	-----
ES Gallery	8.8	-----	8.2	---
ES Faraday	8.3	----	8.2	---
Bezugsgrösse(n)	8.6	-----	8.2	---
Versuchs-Mittel	8.3	----	8.5	----
VK [%]	6.0		7.4	
KGD (5%)	0.8		ns	
KGD (1%)	1.1		ns	
Versuchs-Streuung	0.5		0.6	
FG Fehlerterm	58.0		58.0	
Anz. Beob.	3.0		3.0	

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

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
Gottardo KWS	139.7 --	142.7 ---	109.6 -----	156.3 --	122.0 --
P9027	154.4 -----	140.3 ---	102.7 ----	166.5 -----	150.7 -----
RGT Planoxx	146.2 ---	136.9 --	113.2 -----	155.5 --	140.7 ----
Toutati CS	146.6 ---	133.1 --	97.4 ---	157.1 ---	149.6 -----
DKC 3361	148.0 ----	135.0 --	108.8 -----	155.4 --	141.6 -----
Kidemos KWS	156.4 -----	148.8 ----	102.6 ----	166.7 -----	148.3 -----
RGT Turixxo	146.6 ---	142.7 ---	113.3 -----	157.3 ---	140.2 ----
DKC 3787	147.9 ---	133.1 --	112.3 -----	162.5 ---	142.1 ----
KWS Robertino	145.3 ---	132.4 -	113.8 -----	162.7 ---	141.0 ----
KWS Gustavius	144.5 ---	129.5 -	101.4 ----	163.6 ----	146.2 ----
KWS Granados	143.1 ---	131.0 -	102.8 ----	154.2 --	141.5 ----
RGT Maxxatac	151.0 ----	134.7 --	111.5 -----	160.7 ----	138.9 ----
DKC 3595	150.2 ----	144.1 ----	91.1 -	158.0 ---	149.6 -----
RH18016	152.7 -----	139.1 ---	111.2 -----	165.6 -----	145.3 ----
RH18018	143.6 ---	144.3 ----	102.0 ----	152.2 -	132.4 ----
Farmueller	147.5 ----	127.8 -	115.7 -----	158.0 ---	138.7 ----
LG 31272	152.6 -----	132.6 -	104.6 ----	168.7 -----	151.4 -----
LZM 368/08	151.5 ----	137.4 --	113.9 -----	159.3 ---	128.0 ---
P8834	163.9 -----	153.6 ----	117.3 -----	170.2 -----	146.6 ----
DFI47199	132.7 -	132.0 -	105.2 ----	148.8 -	112.3 -
Prestol	148.7 ----	149.6 ----	107.5 -----	161.4 ----	146.4 ----
SY Impulse	154.4 -----	143.8 ----	110.0 -----	159.4 ---	155.5 -----
SY Enermax	154.3 -----	149.2 ----	104.7 ----	177.4 -----	139.7 ----
SB1497	163.1 -----	161.6 -----	103.0 ----	174.4 -----	159.4 -----
KXB8322	146.3 ---	132.2 -	104.4 ----	159.6 ---	144.7 ----
KXB8357	161.0 -----	156.7 -----	109.8 ----	173.1 -----	148.3 -----
Sixxtus	147.0 ----	143.7 ---	115.6 -----	167.3 ----	134.7 ----
P9903	171.8 -----	171.6 -----	116.3 -----	180.8 -----	149.7 ----
ES Gallery	155.1 ----	145.6 ---	108.9 ----	165.6 ----	137.4 ----
ES Faraday	152.1 ----	134.4 --	114.3 -----	158.3 ---	142.9 ----
Bezugs-grösse(n)	152.2 -----	141.9 ---	105.7 -----	161.0 ----	145.0 -----
Versuchs-Mittel	150.6 ----	141.3 ---	108.2 -----	162.5 ----	142.2 ----

VK [%]	6.3	6.0	8.7	3.4	6.5
KGD (5%)	5.8	13.8	ns	9.1	15.2
KGD (1%)	7.6	18.4	ns	12.1	20.2
Versuchs-Streuung	9.5	8.4	9.4	5.6	9.3
FG Fehlerterm	406.0	58.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	36119.3	29	13.82 ***	1.50	0.0000
Anbauorte	309380.7	6	572.07 ***	2.12	0.0000
WW Verf.*Anb.Orte	43101.1	174	2.75 ***	1.23	0.0001
Fehler	36594.7	406			
Insgesamt	425195.8	615			

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

Verfahren	8046 Reckenh. ZH	8194 Hüntwangen ZH	9436 Balgach / SG
Gottardo KWS	142.2 -	149.2 ----	155.6 -
P9027	176.5 ----	156.4 -----	187.6 ----
RGT Planoxx	164.7 ---	137.7 ---	174.7 ---
Toutati CS	158.6 --	157.9 -----	172.7 ---
DKC 3361	164.0 ---	142.3 ----	189.1 -----
Kidemos KWS	184.1 -----	156.0 -----	188.1 -----
RGT Turixxo	163.7 ---	136.4 ----	172.9 ---
DKC 3787	171.5 ----	139.3 ----	174.2 ---
KWS Robertino	170.5 ----	128.7 --	168.0 --
KWS Gustavius	161.7 ---	132.1 ---	177.2 ----
KWS Granados	163.5 ---	137.3 ----	171.7 ---
RGT Maxxatac	170.2 ----	165.0 -----	176.3 ----
DKC 3595	175.0 ----	151.9 -----	181.5 ----
RH18016	173.8 ----	145.0 ----	188.8 ----
RH18018	169.6 ----	132.6 ---	172.2 ---
Farmueller	142.9 -	159.1 -----	190.6 -----
LG 31272	167.2 ---	168.2 -----	175.6 ----
LZM 368/08	189.4 -----	156.0 ----	176.3 ----
P8834	192.4 -----	167.7 -----	199.6 -----
DFI47199	147.8 -	118.1 -	164.5 --
Prestol	144.8 -	164.1 -----	167.2 --
SY Impulse	176.2 ----	147.6 ----	188.1 ----
SY Enermax	184.3 ----	145.7 ----	179.4 ----
SB1497	188.1 ----	154.8 ----	200.9 -----
KXB8322	158.4 --	139.7 ----	185.1 ----
KXB8357	189.9 -----	153.7 -----	195.3 -----
Sixxtus	160.3 ---	116.7 -	191.0 -----
P9903	217.1 -----	156.9 -----	210.2 -----
ES Gallery	175.7 ---	160.9 -----	191.3 -----
ES Faraday	180.3 ----	170.3 -----	164.0 --
Bezugsgrösse(n)	174.0 ----	149.2 ----	188.6 ----
Versuchs-Mittel	170.8 ----	148.2 ----	181.0 ----
VK [%]	5.3	8.6	5.8
KGD (5%)	14.9	20.8	17.1
KGD (1%)	19.8	27.7	22.8
Versuchs-Streuung	9.1	12.7	10.5
FG Fehlerterm	58.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0

Rendement relatif [%] / Relativertrag [%]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
Gottardo KWS	92.8 --	100.5 ---	103.7 -----	97.1 --	84.2 --
P9027	101.3 -----	98.8 ---	97.2 ---	103.4 -----	103.9 -----
RGT Planoxx	96.7 ---	96.4 --	107.1 -----	96.5 --	97.0 ---
Toutati CS	96.5 ---	93.8 --	92.2 ---	97.6 ---	103.2 -----
DKC 3361	97.4 -----	95.1 --	102.9 -----	96.5 --	97.7 -----
Kidemos KWS	102.6 -----	104.9 -----	97.1 ---	103.5 -----	102.3 -----
RGT Turixxo	97.0 ---	100.5 ---	107.2 -----	97.7 ---	96.7 ---
DKC 3787	97.6 ---	93.8 --	106.3 -----	100.9 ---	98.0 ---
KWS Robertino	96.1 ---	93.3 -	107.7 -----	101.0 ---	97.3 ---
KWS Gustavius	95.0 ---	91.2 -	96.0 ---	101.6 ---	100.9 -----
KWS Granados	94.3 ---	92.3 -	97.2 ---	95.8 --	97.6 -----
RGT Maxxatac	99.7 ---	94.9 --	105.5 -----	99.8 ---	95.8 ---
DKC 3595	98.2 ---	101.6 ---	86.2 -	98.1 ---	103.2 -----
RH18016	100.5 -----	98.0 ---	105.2 -----	102.8 -----	100.3 -----
RH18018	94.5 ---	101.6 -----	96.5 ---	94.5 -	91.3 ---
Farmueller	97.6 ---	90.0 -	109.5 -----	98.1 ---	95.7 ---
LG 31272	100.5 -----	93.4 -	98.9 ---	104.8 -----	104.4 -----
LZM 368/08	99.8 ---	96.8 --	107.8 -----	98.9 ---	88.3 ---
P8834	107.8 -----	108.2 -----	111.0 -----	105.7 -----	101.2 ---
DFI47199	87.7 -	93.0 -	99.5 ---	92.4 -	77.5 -
Prestol	98.6 ---	105.4 -----	101.7 -----	100.2 ---	101.0 -----
SY Impulse	101.7 -----	101.3 ---	104.1 -----	99.0 ---	107.3 -----
SY Enermax	101.3 -----	105.1 -----	99.1 ---	110.1 -----	96.4 ---
SB1497	106.8 -----	113.8 -----	97.4 ---	108.3 -----	110.0 -----
KXB8322	96.2 ---	93.2 -	98.8 ---	99.1 ---	99.9 -----
KXB8357	105.7 -----	110.4 -----	103.9 -----	107.5 -----	102.3 -----
Sixxtus	97.0 ---	101.2 ---	109.4 -----	103.9 ---	92.9 ---
P9903	112.5 -----	120.9 -----	110.0 -----	112.3 -----	103.3 -----
ES Gallery	101.9 -----	102.6 ---	103.1 ---	102.8 ---	94.8 ---
ES Faraday	100.6 -----	94.7 --	108.1 -----	98.3 ---	98.6 ---
Bezugs-grösse(n)	100.0 -----	100.0 ---	100.0 -----	100.0 ---	100.0 -----
Versuchs-Mittel	99.2 ---	99.6 ---	102.3 -----	100.9 ---	98.1 -----
VK [%]	6.6	6.0	8.7	3.4	6.5
KGD (5%)	4.0	9.7	ns	5.7	10.5
KGD (1%)	5.2	12.9	ns	7.5	13.9
Versuchs-Streuung	6.5	6.0	8.9	3.5	6.4
FG Fehlerterm	406.0	58.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	14320.0	29	11.60 ***	1.50	0.0000
Anbauorte	2330.6	6	9.12 ***	2.12	0.0000
WW Verf.*Anb.Orte	18118.8	174	2.45 ***	1.23	0.0001
Fehler	17288.9	406			
Insgesamt	52058.3	615			

Rendement relatif [%] / Relativertrag [%]

Verfahren	8046 Reckenh. ZH	8194 Hüntwangen ZH	9436 Balgach / SG
Gottardo KWS	81.7 -	100.0 ----	82.5 -
P9027	101.4 ----	104.9 -----	99.4 ----
RGT Planoxx	94.6 ---	92.3 ----	92.6 ---
Toutati CS	91.1 --	105.8 -----	91.6 ---
DKC 3361	94.2 ---	95.4 ----	100.3 -----
Kidemos KWS	105.8 -----	104.6 -----	99.7 ----
RGT Turixxo	94.0 ---	91.4 ----	91.7 ---
DKC 3787	98.6 ----	93.4 ----	92.3 ---
KWS Robertino	97.9 ----	86.3 --	89.1 --
KWS Gustavius	92.9 ---	88.6 ---	93.9 ----
KWS Granados	93.9 ---	92.1 ----	91.0 ---
RGT Maxxatac	97.8 ----	110.6 -----	93.4 ----
DKC 3595	100.5 ----	101.8 -----	96.2 ----
RH18016	99.8 ----	97.2 ----	100.1 ----
RH18018	97.5 ----	88.9 ---	91.3 ---
Farmueller	82.1 -	106.7 -----	101.0 -----
LG 31272	96.1 ---	112.7 -----	93.1 ----
LZM 368/08	108.8 -----	104.6 ----	93.5 ---
P8834	110.6 -----	112.4 -----	105.8 -----
DFI47199	84.9 -	79.1 -	87.2 --
Prestol	83.2 -	110.0 -----	88.7 --
SY Impulse	101.3 ----	98.9 ----	99.7 ----
SY Enermax	105.9 ----	97.6 ----	95.1 ----
SB1497	108.1 ----	103.7 ----	106.5 -----
KXB8322	91.0 --	93.7 ----	98.1 ----
KXB8357	109.1 -----	103.0 ----	103.5 -----
Sixtus	92.1 ---	78.2 -	101.2 -----
P9903	124.8 -----	105.2 ----	111.4 -----
ES Gallery	101.0 ---	107.8 ----	101.4 ----
ES Faraday	103.6 ----	114.1 -----	86.9 --
Bezugsgrösse(n)	100.0 ----	100.0 ----	100.0 ----
Versuchs-Mittel	98.1 ----	99.4 ----	95.9 ----
VK [%]	5.3	8.6	5.8
KGD (5%)	8.5	13.9	9.1
KGD (1%)	11.4	18.5	12.1
Versuchs-Streuung	5.2	8.5	5.6
FG Fehlerterm	58.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0

Précocité [% MS] / Frühreife [% TS]

Verfahren	Seriemittel	1260 Nyon	1567 Delley FR	1896 Vouvry	3065 Habstetten
Gottardo KWS	71.8 -----	74.6 -----	72.6 ----	65.9 -----	63.0 ----
P9027	70.8 ----	74.4 -----	74.3 -----	66.0 -----	63.3 -----
RGT Planoxx	71.8 ----	75.1 -----	71.2 ---	67.4 -----	64.9 -----
Toutati CS	72.7 -----	75.6 -----	74.2 -----	68.6 -----	65.1 -----
DKC 3361	73.3 -----	76.7 -----	74.7 -----	69.5 -----	66.1 -----
Kidemos KWS	71.1 -----	75.1 -----	73.8 -----	66.2 -----	63.3 -----
RGT Turixxo	71.1 ----	75.4 -----	71.3 ---	66.6 -----	64.5 -----
DKC 3787	70.5 ----	74.2 -----	73.7 ----	67.4 -----	61.5 ---
KWS Robertino	71.1 ----	72.9 ----	72.0 ----	65.0 ----	63.7 -----
KWS Gustavius	72.3 -----	73.6 -----	73.8 -----	69.2 -----	66.6 -----
KWS Granados	71.2 ----	73.5 -----	75.4 -----	67.0 -----	64.7 -----
RGT Maxxatac	71.4 ----	74.8 -----	71.4 ---	66.5 -----	64.9 -----
DKC 3595	72.5 -----	75.1 -----	77.3 -----	68.7 -----	63.6 ----
RH18016	68.3 --	71.2 ---	68.9 -	64.1 ---	61.1 ---
RH18018	69.4 ---	72.6 ----	72.2 ----	64.3 ---	62.9 ----
Farmueller	67.6 -	67.2 -	70.7 --	62.3 -	57.9 -
LG 31272	71.0 ----	72.1 ----	74.1 -----	66.0 -----	62.9 ----
LZM 368/08	69.2 --	74.1 -----	71.4 ---	63.4 --	60.4 --
P8834	71.2 -----	76.2 -----	74.9 -----	65.8 -----	61.5 ----
DFI47199	72.5 -----	76.0 -----	74.1 -----	68.3 -----	63.8 -----
Prestol	70.2 ----	73.5 -----	69.0 -	66.6 -----	63.3 -----
SY Impulse	70.9 ----	75.7 -----	75.3 -----	65.9 -----	62.6 ----
SY Enermax	69.5 ---	73.9 -----	75.6 -----	63.9 --	61.0 ---
SB1497	71.4 -----	76.0 -----	76.0 -----	67.3 -----	63.3 -----
KXB8322	70.2 ----	72.4 ----	70.7 --	67.9 -----	63.3 -----
KXB8357	68.0 -	73.5 -----	69.7 -	63.1 --	59.9 --
Sixtus	70.7 -----	74.5 -----	72.9 ----	65.4 ----	61.1 ---
P9903	67.8 -	73.3 -----	70.9 --	63.8 --	59.8 --
ES Gallery	70.5 ----	74.3 -----	73.7 ----	65.1 ----	62.0 ---
ES Faraday	68.9 --	74.2 -----	70.6 --	63.6 --	60.7 ---
Bezugs-grösse(n)	72.2 -----	75.9 -----	74.3 -----	67.8 -----	64.7 -----
Versuchs-Mittel	70.6 ----	74.1 -----	72.9 ----	66.0 -----	62.7 ----
VK [%]	1.4	1.3	1.6	1.8	1.3
KGD (5%)	0.6	1.6	1.9	1.9	1.3
KGD (1%)	0.8	2.2	2.6	2.5	1.7
Versuchs-Streuung	1.0	1.0	1.2	1.2	0.8
FG Fehlerterm	406.0	58.0	58.0	58.0	58.0
Anz. Beob.	21.0	3.0	3.0	3.0	3.0

Varianz-Analyse

	S.Q.	FG	F-Wert	F(95%)	P0
Verfahren	1358.5	29	50.65 ***	1.50	0.0000
Anbauorte	10874.7	6	1959.72 ***	2.12	0.0000
WW Verf.*Anb.Orte	894.9	174	5.56 ***	1.23	0.0000
Fehler	375.5	406			
Insgesamt	13503.6	615			

Précocité [% MS] / Frühreife [% TS]

Verfahren	8046 Reckenh. ZH	8194 Hüntwangen ZH	9436 Balgach / SG
Gottardo KWS	75.5 -----	74.0 -----	77.1 -----
P9027	74.7 -----	69.6 ---	73.0 -----
RGT Planoxx	75.4 -----	72.6 -----	76.1 -----
Toutati CS	75.8 -----	73.6 -----	75.7 -----
DKC 3361	76.3 -----	73.6 -----	76.4 -----
Kidemos KWS	73.6 -----	71.4 -----	74.7 -----
RGT Turixxo	72.3 ---	71.8 -----	75.7 -----
DKC 3787	73.1 -----	70.8 ---	72.9 -----
KWS Robertino	74.9 -----	72.6 -----	76.5 -----
KWS Gustavius	75.7 -----	70.8 -----	76.3 -----
KWS Granados	74.1 -----	70.5 ---	73.6 -----
RGT Maxxatac	74.1 -----	73.0 -----	75.2 -----
DKC 3595	75.5 -----	72.4 -----	75.3 -----
RH18016	72.0 ---	69.0 --	71.7 ---
RH18018	72.0 ---	70.3 ---	71.8 ---
Farmueller	72.6 ---	69.2 --	73.3 -----
LG 31272	75.3 -----	71.8 -----	74.9 -----
LZM 368/08	72.8 ---	70.0 ---	72.5 -----
P8834	74.0 -----	70.5 ---	75.2 -----
DFI47199	76.7 -----	72.0 -----	76.4 -----
Prestol	73.0 -----	72.3 -----	73.9 -----
SY Impulse	71.9 ---	70.2 ---	74.7 -----
SY Enermax	70.4 --	68.8 --	73.0 -----
SB1497	73.0 -----	69.9 ---	74.3 -----
KXB8322	73.1 -----	70.1 ---	74.1 -----
KXB8357	69.4 -	69.2 --	70.9 ---
Sixtus	75.4 -----	71.8 -----	73.6 -----
P9903	70.1 -	67.8 -	68.9 -
ES Gallery	74.4 -----	72.2 -----	72.1 -----
ES Faraday	72.3 -----	71.3 -----	69.6 -
Bezugsgrösse(n)	75.0 -----	72.5 -----	75.5 -----
Versuchs-Mittel	73.7 -----	71.1 -----	74.0 -----
VK [%]	1.2	1.3	1.0
KGD (5%)	1.4	1.5	1.2
KGD (1%)	1.9	2.0	1.6
Versuchs-Streuung	0.9	0.9	0.7
FG Fehlerterm	58.0	58.0	58.0
Anz. Beob.	3.0	3.0	3.0

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

Verfahren	Seriemittel	1567 Delley FR
Gottardo KWS	27.4 ----	27.4 ----
P9027	25.7 ---	25.7 ---
RGT Planoxx	28.8 -----	28.8 -----
Toutati CS	25.8 ----	25.8 ----
DKC 3361	25.3 ---	25.3 ---
Kidemos KWS	26.2 ----	26.2 ----
RGT Turixxo	28.7 -----	28.7 -----
DKC 3787	26.3 ----	26.3 ----
KWS Robertino	28.0 -----	28.0 -----
KWS Gustavius	26.2 ----	26.2 ----
KWS Granados	24.6 --	24.6 --
RGT Maxxatac	28.6 -----	28.6 -----
DKC 3595	22.7 -	22.7 -
RH18016	31.1 -----	31.1 -----
RH18018	27.8 ----	27.8 ----
Farmueller	29.3 -----	29.3 -----
LG 31272	25.9 ----	25.9 ----
LZM 368/08	28.6 -----	28.6 -----
P8834	25.1 ---	25.1 ---
DFI47199	25.9 ----	25.9 ----
Prestol	31.0 -----	31.0 -----
SY Impulse	24.7 ---	24.7 ---
SY Enermax	24.4 --	24.4 --
SB1497	24.0 --	24.0 --
KXB8322	29.3 -----	29.3 -----
KXB8357	30.3 -----	30.3 -----
Sixxtus	27.1 ----	27.1 ----
P9903	29.1 -----	29.1 -----
ES Gallery	26.3 ----	26.3 ----
ES Faraday	29.4 -----	29.4 -----
Bezugsgrösse(n)	25.8 ----	25.8 ----
Versuchs-Mittel	27.1 ----	27.1 ----
VK [%]	4.4	4.4
KGD (5%)	1.9	1.9
KGD (1%)	2.6	2.6
Versuchs-Streuung	1.2	1.2
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0

PHL moissonneuse [kg/hl] / HLG Mährescher [kg/hl]

Verfahren	Seriemittel	9436 Balgach / SG
Gottardo KWS	67.6 -----	67.6 -----
P9027	62.5 --	62.5 --
RGT Planoxx	66.0 -----	66.0 -----
Toutati CS	65.4 -----	65.4 -----
DKC 3361	65.3 -----	65.3 -----
Kidemos KWS	62.3 --	62.3 --
RGT Turixxo	66.2 -----	66.2 -----
DKC 3787	63.3 ---	63.3 ---
KWS Robertino	66.5 -----	66.5 -----
KWS Gustavius	64.2 ----	64.2 ----
KWS Granados	63.8 ----	63.8 ----
RGT Maxxatac	64.4 ----	64.4 ----
DKC 3595	62.8 ---	62.8 ---
RH18016	65.1 -----	65.1 -----
RH18018	63.8 ----	63.8 ----
Farmueller	64.9 -----	64.9 -----
LG 31272	64.6 -----	64.6 -----
LZM 368/08	65.6 -----	65.6 -----
P8834	61.3 -	61.3 -
DFI47199	65.7 -----	65.7 -----
Prestol	67.1 -----	67.1 -----
SY Impulse	65.1 -----	65.1 -----
SY Enermax	63.0 ---	63.0 ---
SB1497	61.1 -	61.1 -
KXB8322	65.2 -----	65.2 -----
KXB8357	63.0 ---	63.0 ---
Sixtus	64.8 -----	64.8 -----
P9903	63.0 ---	63.0 ---
ES Gallery	64.3 -----	64.3 -----
ES Faraday	63.5 ----	63.5 ----
Bezugsgrösse(n)	63.8 ----	63.8 ----
Versuchs-Mittel	64.4 -----	64.4 -----
VK [%]	0.7	0.7
KGD (5%)	0.7	0.7
KGD (1%)	1.0	1.0
Versuchs-Streuung	0.5	0.5
FG Fehlerterm	58.0	58.0
Anz. Beob.	3.0	3.0



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