

Standort - site	Bettendorf				Lellig				Greisch			
Vorfrüchte - précédents	Mais - Sommergerste - Raps - maïs - orge de printemps - colza -				Raps - Winterweizen - Wintergerste - colza - blé d'hiver - escourgeon -				Winterweizen - Mais - Wintergerste - blé d'hiver - maïs - escourgeon -			
Gülle - lisier m ³	-				-				15			
Kalisalz - potasse kg K ₂ O/ha	120 kg/ha				-				-			
Saattermin - date de semis	WR: H 250/P 300 K.-gr./m ² WT: 325 K.-gr./m ² WHW: 375 K.-gr./m ² 17/10/17				13/10/17				12/10/17			
Herbizid - herbicide	Herbst - automne Frühj. - ptps				-				Bacara			
N1 kg N/ha BBCH >22	-				-				81 KAS			
N2 kg N/ha BBCH >30	-				95 (ASS)				60 AHL			
N3 kg N/ha BBCH >35	60 (AHL)				54 (KAS)				27 KAS			
Bestandesführungsvariante - variante itinéraire technique	red. PS - réd. phytos		integriert - raisonné		red. PS - réd. phytos		integriert - raisonné		red. PS - réd. phytos		integriert - raisonné	
Wiederholungen - répétitions	1		3		1		2		1		2	
Halmwuchsregler - raccourcisseur	1		0		CCC (9/04)		CCC (9/04)		0		Percival (BBCH 33)	
	2		Terpal (BBCH 47)		0		Moxa (3/05)		0		0	
Fungizid - fongicide	1		0		0		0		0		Capalo + Bravo (BBCH 37&48)	
	2		Fandango Pro (BBCH 47)		0		Capalo (3/05)		0		Velogy Era (25/05)	
Insektizid - insecticide	Getreidehähnchen - léma		0		0		0		0		Decis (25/05)	
	Blattläuse - puçerons		0		0		0		0		0	
Niederschläge mm / °C	Station ASTA Bettendorf				Station ASTA Grevenmacher				Station ASTA Koerich			
précipitations mm / °C	mm 17/18	mm 5J/ans	°C 17/18	°C 5J/ans	mm 17/18	mm 5J/ans	°C 17/18	°C 5J/ans	mm 17/18	mm 5J/ans	°C 17/18	°C 5J/ans
08	45.30	72.84	17.32	17.52	62.20	54.82	18.07	18.12	34.40	57.18	16.41	16.91
09	104.10	70.10	12.68	14.02	75.80	59.86	13.03	14.59	117.10	66.68	11.55	13.32
10	38.50	66.38	10.91	10.41	30.80	65.82	11.33	10.82	31.80	66.42	9.94	10.08
11	81.10	74.05	5.40	6.04	81.20	69.38	5.61	6.62	92.30	77.08	4.76	6.14
12	110.90	62.60	3.83	3.77	141.90	58.58	3.70	4.32	147.20	70.92	3.12	3.63
01	129.60	80.82	5.40	2.58	141.60	74.86	5.51	3.10	180.10	98.26	4.86	2.53
02	19.80	56.50	-0.59	2.75	14.30	50.24	-0.42	3.40	26.50	58.80	-1.59	2.62
03	51.50	38.86	4.05	5.65	43.80	36.20	4.40	6.51	51.30	42.52	3.15	5.19
04	59.40	32.66	11.47	9.44	63.50	37.44	12.55	10.40	64.80	35.32	10.54	9.06
05	75.20	68.40	15.26	13.55	62.20	61.04	16.19	14.41	36.00	57.46	14.21	13.18
06	81.90	66.52	17.73	17.08	102.70	69.70	18.51	17.90	51.50	54.38	16.74	16.67
07	8.50	77.60	20.31	19.35	4.10	56.14	21.70	20.12	14.20	68.84	18.97	18.53
Σ resp. Ø	805.80	767.33	10.31	10.18	824.10	694.08	10.85	10.86	847.20	753.86	9.39	9.82
	Spätfrost April - gélées tardives avril: 1 / 16 in-en 2017 T ^m max 04: 27,7 °C				Spätfrost April - gélées tardives avril: 1 / 7 in-en 2017 T ^m max 04: 28,8 °C				Spätfrost April - gélées tardives avril: 5 / 20 in-en 2017 T ^m max 04: 28,04 °C			

rang Rang	variété Sorte	obteneur Züchter	verse-Lager Bet. LeI. Gre.			Ertrag - rendement %								années Jahre		
						Bettendorf		Lellig		Greisch		Jahres-Ø-annuelles				
						red.	norm.	red.	norm.	red.	norm.	'18	'17		'16	18-16
3.1	Triskell	Desprez				96	111	81	98	88	106	107	101	114	108	3
3.2	Salto	Danko				85	83	107	106	97	105	106	113	80	100	3
3.3	Lombardo	Lantmännen			I-	102	95	79	105	76	97	101	98	98	99	3
3.4	Tender PZO	IG PZO				88	88	79	86	87	105	98	97	95	97	3
3.5	Barolo	Lantmännen			I-	84	81	85	95	84	99	97	99	94	97	3
3-6	Adverde	Lantmännen			LII-	92	89	72	102	47	94	93	99	86	92	3
2.1	Kasyno	Danko			I--	89	89	119	115	95	109	111	105		108	2
2.2	Bikini	LD			I-	106	119	87	108	83	101	111	90		102	2
2.3	RGT Ruminac	RAGT				80	88	95	90	96	104	101	92		97	2
2.4	Jokari	LD				96	110	92	106	90	100	109	83		97	2
2.5	Avokado	Danko			L--	67	58	87	84	88	103	89	103		96	2
2.6	Trapero	Danko				48	58	87	94	84	101	89	100		94	2
2.7	Grenado	Danko			I-	79	81	52	91	47	99	86	91		88	2
1.1	Brehat (FDT 11053)	Desprez			L.III	115	116	132	117	106	120	127			127	1
1.2	Trisem (FDT 10040)	Desprez				107	113	101	101	94	104	112			112	1
1.3	Riparo	ISZ			L--	104	108	112	101	94	100	110			110	1
Versuchsdurchschnitt/moyenne essai =						60.5	62.5	65.6	69.6	79.0	96.0	74.0				dt-qx/ha
Vergleichssorten/témoins 3 J./ans: dt/ha						63.4	67.4	54.8	71.6	63.1	93.3					dt-qx/ha
Vergleichssorten/témoins 3 J./ans: 100% = dt/ha						67.4	67.4	71.6	71.6	93.3	93.3	71.9	59.9	62.7	64.8	dt-qx/ha
Vergleichssorten/témoins 2 J./ans: 100% = dt/ha															65.9	dt-qx/ha
Vergleichssorten/témoins 1 J./an: 100% = dt/ha															71.9	dt-qx/ha

eingetragen - inscrite	Saat/semis	17/10/17	17/10/17	13/10/17	13/10/17	12/10/17	12/10/17
nouvelle inscription - Neueintragung	Ernte/récolte	25/07/18	25/07/18	24/07/18	24/07/18	24/07/18	24/07/18
radiation - Streichung	H ₂ O-Ø	10.9%	11.0%	10.0%	10.3%	10.8%	11.4%
	PS-Ø-HLG	72.8	72.7	72.4	75.5	74.4	78.0
	PMG-Ø-TKM	48.31	50.48	43.54	50.16	42.21	46.45

rang Rang	variété Sorte	obteneur Züchter	H ₂ O (%)						HLG-PS (kg)						TKM-PMG (g)					
			Bet.		Lel.		Gre.		Bet.		Lel.		Gre.		Bet.		Lel.		Gre.	
			red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.
3.1	Triskell	Desprez	10.7	10.9	10.0	10.2	10.7	11.2	73.3	75.3	70.1	74.6	74.0	77.6	43.6	48.6	36.0	39.4	40.0	47.4
3.2	Salto	Danko	10.9	10.7	9.9	10.1	10.9	11.0	70.9	70.2	73.0	75.1	74.3	76.3	49.0	53.2	44.6	48.3	48.4	50.0
3.3	Lombardo	Lantmännen	10.9	10.7	9.7	10.3	10.4	11.3	71.7	71.5	69.6	75.0	72.3	77.3	58.8	52.6	39.6	50.6	43.4	56.2
3.4	Tender PZO	IG PZO	10.7	11.0	10.1	10.4	10.9	11.5	72.9	72.4	73.3	75.4	73.9	78.1	51.8	51.8	48.6	50.2	50.2	56.4
3.5	Barolo	Lantmännen	10.7	10.7	10.1	10.3	10.9	11.6	74.2	73.6	74.0	76.1	74.7	78.3	48.0	45.2	38.4	45.2	40.4	45.6
3.6	Adverde	Lantmännen	10.8	11.1	8.5	9.9	10.2	11.0	75.4	75.2	64.9	75.8	70.4	76.9	44.6	50.0	0.0	48.0	34.2	44.6
2.1	Kasyno	Danko	10.5	10.6	10.2	10.3	10.7	11.2	72.6	70.8	75.6	76.2	74.5	77.6	49.2	56.6	51.2	43.2	46.6	54.8
2.2	Bikini	LD	11.1	11.2	9.8	10.1	10.8	11.2	74.4	74.1	72.3	76.0	75.0	79.8	39.8	46.2	34.6	38.6	39.2	45.2
2.3	RGT Ruminac	RAGT	10.8	11.2	10.5	10.5	11.3	11.7	68.9	68.8	72.2	74.0	75.3	76.9	51.4	54.6	47.4	50.9	48.0	54.2
2.4	Jokari	LD	11.1	11.3	10.0	10.4	11.1	11.3	74.9	74.9	73.5	77.0	76.3	79.5	45.6	48.8	35.0	41.0	38.0	46.0
2.5	Avokado	Danko	11.0	11.3	10.8	10.7	11.5	11.9	73.1	72.1	77.5	77.2	78.3	80.5	48.0	52.4	50.2	51.2	53.6	54.0
2.6	Trapero	Danko	10.9	11.3	10.1	10.5	11.0	11.4	71.3	71.2	74.0	76.8	75.6	79.5	47.8	44.2	41.0	44.8	45.4	46.2
2.7	Grenado	Danko	10.8	10.7	9.7	10.3	10.4	11.2	73.1	73.6	71.2	75.0	70.5	76.0	48.8	50.8	34.4	44.8	34.8	45.4
1.1	Brehat (FDT 11053)	Desprez	10.7	10.7	10.0	10.2	10.4	11.2	72.4	72.6	73.2	74.1	73.3	77.5	50.6	51.4	45.8	47.8	44.6	53.6
1.2	Trisem (FDT 10040)	Desprez	11.1	11.5	10.2	10.3	11.0	11.7	71.9	72.9	70.4	73.2	73.6	76.9	47.6	53.6	41.4	47.2	42.8	48.4
1.3	Riparo	ISZ	11.1	11.3	10.1	10.4	10.9	11.6	73.0	73.9	74.3	76.9	78.4	79.2	48.4	47.6	45.0	52.0	47.0	54.6
		Ø	10.9	11.0	10.0	10.3	10.8	11.4	72.8	72.7	72.4	75.5	74.4	78.0	48.3	50.5	39.6	46.5	43.5	50.2
		Ø (témoins-Vergleichssorten)	10.8	11.0	9.3	10.1	10.5	11.1	74.4	75.3	67.5	75.2	72.2	77.3	44.1	49.3	18.0	43.7	37.1	46.0

rang Rang	variété Sorte	type Typ	obteneur Züchter	verse-Lager			Ertrag - rendement %								années Jahre		
							Bettendorf		Lellig		Greisch		Jahres-Ø-annuelles				
							red.	int.	red.	int.	red.	int.	'18	'17		'16	18-16
3.1	KWS Binntto*	H	KWS			L!-	99	103	108	100	83	98	104	112	102	106	3
3.2	Helltop	H	Nordic Seed	I--		L!!!	86	94	91	98	68	100	97	103	102	100	3
3.3	Palazzo	H	KWS	I--	L--	L!-	101	106	80	102	78	100	103	97	98	100	3
2.1	KWS Serafino	H	KWS	I--	x	L-	102	112	x	112	83	98	110	106		108	2
2.2	KWS Edmondo	H	KWS	I--	L--	L!!-	100	112	96	102	85	104	108	102		105	2
2.3	SU Forsetti	H	SU		I-	L!-	97	95	89	105	74	98	100	101		101	2
2.4	SU Performer	H	SU		L--	L!!!	95	104	88	110	72	97	102	94		99	2
1.1	DH 372	H	Nordic Seed			L!-	108	63	102	99	87	101	97			97	1
1.2	D. Skand	P	Nordic Seed	I--	x	L-	83	88	x	82	70	80	86			86	1
1.3	D. Hadron	P	Nordic Seed	L--	L--	L!!!	78	90	82	83	62	81	86			86	1
1.4	Elias	P	S. Edelfhof	I--		L!!!	76	84	76	86	64	80	84			84	1

Versuchsdurchschnitt/moyenne essai =	70.3	72.9	79.2	84.1	80.6	101.9	83.7										dt-qx/ha
Vergleichssorten/témoins 3 J./ans: dt/ha	71.2	75.8	74.7	87.4	78.6	107.8											dt-qx/ha
Vergleichssorten/témoins 3 J./ans: 100% = dt/ha	75.8	75.8	87.4	87.4	107.8	107.8	85.3	65.8	61.6	70.9							dt-qx/ha
Vergleichssorten/témoins 2 J./ans: 100% = dt/ha										75.6							dt-qx/ha
Vergleichssorten/témoins 1 J./an: 100% = dt/ha										85.3							dt-qx/ha

eingetragen - inscrite	Saat/semis	17/10/17	17/10/17	13/10/17	13/10/17	12/10/17	12/10/17
nouvelle inscription - Neueintragung	Ernte/récolte	25/07/18	25/07/18	24/07/18	24/07/18	24/07/18	24/07/18
radiation - Streichung	H ₂ O-Ø	10.7%	13.5%	9.9%	10.0%	10.8%	11.1%
x = keine Erntewerte / Resultat überschätzt - pas récolté/résultat surévalué	PS-Ø-HLG	78.8	78.1	79.8	79.3	78.4	80.0
* = wird vom Züchter nicht weiterverfolgt - variété non continuée par l'obte	PMG-Ø-TKM	37.86	39.90	34.53	36.10	33.03	37.58

rang	variété	type	obteneur	H ₂ O (%)						HLG-PS (kg)						TKM-PMG (g)					
				Bet.		Lel.		Gre.		Bet.		Lel.		Gre.		Bet.		Lel.		Gre.	
				red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.
Rang	Sorte	Typ	Züchter																		
3.1	KWS Binntto	H	KWS	10.8	11.3	9.9	10.7	10.9	11.3	77.3	76.5	77.4	76.8	76.0	78.1	34.6	39.4	34.6	36.2	32.4	36.0
3.2	Helltop	H	Nordic Seed	10.9	11.2	9.9	10.1	10.8	11.3	78.7	78.6	80.6	80.1	78.9	81.1	36.8	39.6	37.2	37.0	31.8	39.6
3.3	Palazzo	H	KWS	11.0	11.2	9.8	10.2	11.0	11.3	79.4	78.3	79.5	79.3	77.6	79.2	38.4	41.8	35.2	37.2	33.0	37.8
2.1	KWS Serafino	H	KWS	10.8	11.0	10.1	10.3	10.9	11.4	79.8	78.5	79.8	78.9	78.6	79.3	38.9	39.4	36.0	36.8	33.4	35.6
2.2	KWS Edmondo	H	KWS	10.7	10.8	9.7	10.3	10.5	11.1	78.7	78.0	79.3	78.5	78.1	79.5	35.0	37.0	33.6	33.8	31.8	35.8
2.3	SU Forsetti	H	SU	10.4	10.8	10.0	9.8	10.9	11.2	78.9	78.1	80.6	78.7	78.6	80.8	38.8	40.6	35.3	35.4	34.2	36.8
2.4	SU Performer	H	SU	10.4	10.9	9.8	9.7	10.6	11.1	78.9	78.6	79.8	80.6	78.4	80.4	40.4	40.6	33.6	34.6	31.2	34.2
1.1	DH 372	H	Nordic Seed	10.8	42.5	9.7	9.9	10.6	11.2	80.3	77.3	81.1	79.5	78.9	80.3	44.2	44.2	37.0	41.4	36.2	42.8
1.2	D. Skand	P	Nordic Seed	10.5	10.8	9.8	9.7	10.7	11.0	78.8	78.8	79.6	79.6	79.7	80.2	34.6	38.0	31.6	34.6	30.4	36.2
1.3	D. Hadron	P	Nordic Seed	10.5	10.6	9.9	10.1	10.7	11.0	78.5	78.4	79.6	79.7	78.0	79.2	36.2	39.2	33.2	35.0	33.6	38.0
1.4	Elias	P	S. Edelhof	10.9	10.7	10.0	9.9	10.8	11.0	78.2	77.8	79.9	79.8	78.8	80.2	37.4	39.6	33.2	34.8	34.8	39.8
		Ø		10.7	13.5	9.9	10.0	10.8	11.1	78.8	78.1	79.8	79.3	78.4	79.9	37.9	39.9	34.5	36.1	33.0	37.6
		Ø (témoins-Vergleichssorten)		11.0	11.2	9.9	10.1	10.9	11.3	79.1	78.5	80.1	79.7	78.3	80.2	37.6	40.7	36.2	37.1	32.4	38.7

rang Rang	variété Sorte	obteneur Züchter	H ₂ O (%)						HLG-PS (kg)						TKM-PMG (g)						Eiw.-prot. (%)					
			Bet.		Lel.		Gre.		Bet.		Lel.		Gre.		Bet.		Lel.		Gre.		Bet.		Lel.		Gre.	
			red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.	red.	int.
	Nobilis	LG F	11.6	11.5	9.7	10.2	10.5	11.3	82.5	82.7	76.1	81.0	75.6	83.5	47.2	46.4	35.0	44.8	33.8	49.0	0.0	12.8	0.0	0.0	0.0	14.5
	Relief	Syngenta	12.0	11.9	10.3	11.3	11.2	11.8	81.4	82.3	73.5	81.8	78.5	84.0	43.4	45.6	35.8	44.6	36.0	46.8	0.0	0.0	0.0	0.0	0.0	0.0
	Wintergold	Saaten-Union	12.1	12.1	10.4	11.0	11.0	11.6	82.4	82.9	80.3	81.9	81.0	82.2	47.8	48.8	41.2	44.8	41.4	44.6	0.0	0.0	0.0	0.0	0.0	0.0
	Ø		11.9	11.8	10.1	10.8	10.9	11.6	82.1	82.6	76.6	81.6	78.4	83.2	46.1	46.9	37.3	44.7	37.1	46.8						
	Ø (témoins-Vergleichssorten)		12.1	12.1	10.4	11.0	11.0	11.6	82.4	82.9	80.3	81.9	81.0	82.2	47.8	48.8	41.2	44.8	41.4	44.6	0.0	0.0	0.0	0.0	0.0	0.0



Resultate der Winterspelzweizenversuche 2018-2016
résultats des essais variétaux en épeautre 2018-2016
Ertrag - rendement

variété Sorte	obteneur Züchter	Lager-verse red. int.		Ertrag - rendement %						années Jahre
				Bettendorf		Jahres-Ø-annuelles				
				red.	int.	'18	'17	'16	18-16	
Franckenkorn	IG Pflanzenzucht	L!	93	123	116	110	84	105	3	
Sérénité	CRAW	I	111	122	119	92	92	102	3	
Zollernspelz	SU		99	100	100	100	100	100	3	
Badensonne	Hauptsaaen	L	106	123	119	119		119	2	

Versuchsdurchschnitt/moyenne essai =	59.6	68.2	66.1					dt-qx/ha
Vergleichssorten/témoins 3 J./ans: dt/ha	57.9	58.3						dt-qx/ha
Vergleichssorten/témoins 3 J./ans: 100% =	58.3	58.3	58.2	56.1	41.7	52.0		dt-qx/ha
Vergleichssorten/témoins 2 J./ans: 100% =						57.1		dt-qx/ha
Vergleichssorten/témoins 1 J./an: 100% =						58.2		dt-qx/ha

eingetragen - inscrite	Saat/semis	17/10/17	17/10/17
nouvelle inscription - Neueintragung	Ernte/récolte	25/07/18	25/07/18
radiation - Streichung	H2O-Ø	11.7%	11.6%