

Seed Yield

Herbage Yield

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe			Seed Yield						Herbage Yield					
				1979	1980	1981	1979	1980	1981	1979	1980	1981	Yield (DM)	t/ha	1979	1980	1981	% of Climax
Asterix	Netherlands	9	45	Aug. 20	Aug. 20	Aug. 14	(1)	102	73	(1)	39	51	(2)	0.98	1.41	(2)	48	77
Barmidi	Netherlands	9	61	Aug. 15	Aug. 2	Aug. 6		128	161		48	112		1.84	1.94		90	107
Barmoti	Netherlands	9	62	Aug. 15	Aug. 2	Aug. 6		232	260		88	181		1.68	1.88		82	103
Bartimi	Netherlands	9	54	Aug. 15	July 29	Aug. 8		156	206		59	143		1.81	1.95		88	107
Barvanti	Netherlands	9	49	Aug. 19	Aug. 12	Aug. 11		102	151		39	105		1.82	1.84		89	101
Basho	Canada	9	65	Aug. 17	July 29	Aug. 6		164	129		62	90		1.66	1.70		81	93
Bodin	Norway	9	69	Aug. 17	July 29	July 30		386	336		146	233		2.48	2.68		121	147
Boltnia 11	Sweden	9	67	Aug. 15	July 29	Aug. 6		258	284		98	197		2.40	2.52		117	138
Champlain	Netherlands	9	68	Aug. 15	Aug. 4	Aug. 11		175	153		66	106		2.10	2.08		102	114
Climax*	Canada	9	71	Aug. 15	July 29	Aug. 15		264	144		100	100		2.05	1.82		100	100
Deploy	United Kingdom	7	31	Aug. 17	Aug. 12	Aug. 16		40	77		15	53		0.83	1.12		40	62
Engmo	Norway	9	66	Aug. 15	July 29	July 27		358	260		137	181		2.60	2.32		127	127
Erecta	Belgium	9	64	Aug. 15	July 29	Aug. 6		162	169		63	117		1.59	1.59		78	87
Farol	Netherlands	9	60	Aug. 15	Aug. 12	Aug. 11		132	108		50	75		1.42	1.98		69	109
Forus	Norway	9	65	Aug. 15	July 29	Aug. 27		295	184		112	128		2.14	1.72		104	95
Georgikon	Hungary	9	69	Aug. 15	July 29	Aug. 27		349	249		132	173		2.26	2.13		110	117
Goliath	Netherlands	9	57	Aug. 15	July 29	Aug. 12		177	239		67	159		1.68	2.03		82	112
Grindstad	Norway	9	62	Aug. 15	July 29	Aug. 4		204	155		77	108		1.79	1.81		87	99
Gusto	Netherlands	9	59	Aug. 20	Aug. 12	Aug. 14		70	143		27	99		2.27	2.49		111	137
Hokua	Japan	9	54	Aug. 15	July 29	Aug. 14		163	82		62	57		1.37	1.31		67	72
Korpa	Iceland	9	66	Aug. 15	July 29	July 27		482	327		183	227		3.16	2.59		154	142
Mahndorfer	Germany	9	64	Aug. 15	July 29	Aug. 6		237	226		90	157		1.83	1.91		89	105
Megas	Netherlands	9	63	Aug. 15	Aug. 12	Aug. 10		123	123		47	85		1.40	1.91		68	105
Meson	Netherlands	9	62	Aug. 17	Aug. 12	Aug. 10		183	206		69	143		2.03	1.90		99	104
Mino	Denmark	9	49	Aug. 15	Aug. 6	Aug. 14		48	137		18	95		0.90	1.41		44	77
Motim	Netherlands	9	53	Aug. 15	Aug. 6	Aug. 14		153	232		58	161		1.74	1.78		85	98

(1) Harvested seeds destroyed by fire.

(2) Herbage not measured.

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				1979	1980	1981	Yield kg/ha		% of Climax		Yield (DM) t/ha			% of Climax				
							1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
N.F.G.	Germany	9	63	Aug. 15	July 29	Aug. 6	(1)	289	160	(1)	109	111	(2)	1.84	1.92	(2)	90	105
Otto	Finland	9	72	Aug. 15	July 29	July 27		445	297		169	206		2.86	2.81		140	154
Palermo	Netherlands	8	22	Aug. 15	July 29			83	7		31	5		0.61	0.68		30	37
Pedion	Netherlands	9	57	Aug. 15	Aug. 12	Aug. 14		118	233		45	162		1.65	2.49		80	137
Pet	Germany	9	65	Aug. 15	July 29	Aug. 6		268	253		102	177		2.05	1.99		100	109
Phlewiola	Germany	9	64	Aug. 15	July 29	Aug. 6		245	153		93	106		2.08	1.89		101	104
Pota	Denmark	9	65	Aug. 15	July 29	Aug. 8		196	219		74	152		1.91	2.30		93	126
Pronto	U.S.A.	9	67	Aug. 15	July 29	Aug. 9		219	137		83	95		2.13	2.16		104	119
Ramona	Netherlands	7	19	Aug. 15	Aug. 6			36	3		14	2		0.38	0.44		19	24
Rasant	Germany	9	65	Aug. 15	July 29	July 27		347	274		131	190		2.37	2.32		116	127
Richmond	Canada	9	63	Aug. 15	July 29	July 27		220	160		83	111		2.13	1.86		104	102
Rotenberg	Sweden	9	71	Aug. 15	July 29	July 30		412	260		156	181		2.21	2.22		108	122
RVP 251F	Belgium	9	58	Aug. 15	Aug. 6	Aug. 8		147	142		56	99		2.15	1.91		105	105
Sabre	United Kingdom	9	53	Aug. 19	Aug. 20	Aug. 10		178	129		67	90		1.19	1.55		58	85
Sigma	Netherlands	9	42	Aug. 20	Aug. 12	Aug. 14		162	244		61	169		1.44	2.01		70	110
Suceava	Rumania	9	56	Aug. 15	July 23	July 27		214	153		81	106		1.70	1.67		83	92
Surprise	Netherlands	9	54	Aug. 17	Aug. 6	Aug. 10		229	185		87	128		2.30	2.22		112	122
Tammisto	Finland	9	70	Aug. 15	July 29	Aug. 6		350	337		133	234		2.40	2.36		117	130
Tapio 800	Hungary	9	66	Aug. 15	July 29	Aug. 6		266	197		101	137		2.01	2.00		98	110
Tarmo	Finland	9	68	Aug. 15	July 29	July 27		436	246		165	171		2.47	2.40		120	132
Tilda	Denmark	9	69	Aug. 15	July 29	Aug. 6		204	158		77	110		1.56	2.45		76	135
Timfor	U.S.A.	9	60	Aug. 15	July 29	Aug. 5		247	145		94	101		2.03	2.28		99	125
Topas Otofte	Denmark	9	71	Aug. 15	July 29	(3)		137	(3)		52	(3)		1.12	(3)		55	(3)
Vallo	Sweden	9	67	Aug. 15	July 29	July 27		358	212		136	147		2.26	2.05		110	113
Verdant	U.S.A.	9	71	Aug. 15	July 29	Aug. 6		229	216		87	150		2.52	2.32		123	127
Mean								219	186.44					1.87	1.96			
L.S.D. (P = .05)								91.17	61.86					0.60	0.41			

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(3) Not measured in 1981.

Cultivar	Origin	Hardiness	Height (cm)			Date Ripe			Seed Yield						Herbage Yield					
			1979	1980	1981	1979	1980	1981	Yield kg/ha			% of Climax			Yield (DM) t/ha			% of Climax		
									1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Asterix	Netherlands	9	62	Aug. 15	Aug. 19	Aug. 10	(1)	40	29	(1)	11	35	(2)	5.72	1.47	(2)	85	60		
Barmidi	Netherlands	9	82	Aug. 15	July 30	(3)		132	(3)		36	(3)		2.79	2.63		41	108		
Barmoti	Netherlands	9	83	Aug. 15	July 30	Aug. 10		284	102		77	123		3.00	2.06		44	85		
Bartimi	Netherlands	9	84	Aug. 15	July 30	Aug. 10		191	100		51	120		4.00	2.39		59	98		
Barvanti	Netherlands	9	45	Aug. 15	Aug. 19	Aug. 10		61	40		16	48		4.47	1.91		66	79		
Bodin	Norway	9	94	Aug. 15	July 30	Aug. 1		554	208		149	251		4.37	2.85		65	117		
Bottnia 11	Sweden	9	92	Aug. 15	July 30	July 29		497	139		134	167		4.62	2.05		68	84		
Champlain	Netherlands	9	90	Aug. 15	July 30	Aug. 10		95	112		26	135		3.51	2.68		52	110		
Climax*	Canada	9	95	Aug. 15	July 30	Aug. 10		371	83		100	100		6.76	2.43		100	100		
Engmo	Norway	9	93	Aug. 15	July 30	Aug. 1		491	186		132	224		4.36	2.67		65	110		
Erecta	Belgium	9	79	Aug. 15	July 30	Aug. 7		116	104		31	125		2.11	2.04		31	84		
Fiemar	Netherlands	8	79	Aug. 15	July 30	Aug. 10		161	100		43	120		2.42	1.43		36	60		
Forus	Norway	9	82	Aug. 15	July 30	Aug. 10		364	118		98	142		4.58	2.01		68	83		
Georgikon	Hungary	9	87	Aug. 15	July 30	July 29		327	121		88	146		4.67	2.65		69	109		
Goliath	Netherlands	9	80	Aug. 15	July 30	Aug. 10		171	109		46	131		2.93	2.27		43	93		
Grindstad	Norway	9	90	Aug. 15	July 30	July 29		317	132		85	159		4.88	2.79		72	115		
Gusto	Netherlands	9	56	Aug. 15	Aug. 19	Aug. 10		58	52		16	63		3.37	1.87		50	77		
Hokua	Japan	9	86	Aug. 15	July 30	Aug. 4		256	89		69	107		5.80	1.92		86	79		
Korpa	Iceland	9	92	Aug. 15	July 30	Aug. 7		554	254		149	306		6.11	2.99		90	123		
Mahndorfer	Germany	9	88	Aug. 15	July 30	July 29		196	109		53	131		3.49	2.41		52	99		
Megas	Netherlands	9	77	Aug. 15	July 30	Aug. 10		116	126		31	152		3.51	2.19		52	90		
Meson	Netherlands	9	72	Aug. 15	Aug. 19	Aug. 10		134	81		36	98		4.75	1.66		70	68		
Mino	Denmark	8	81	Aug. 15	July 30	Aug. 10		93	86		25	104		5.17	3.15		76	130		
Motim	Netherlands	8	83	Aug. 15	Aug. 19	Aug. 10		86	104		23	125		2.38	2.13		35	88		
N.F.G.	Germany	9	83	Aug. 15	July 30	Aug. 10		299	118		81	142		3.17	2.12		47	87		
Otto	Finland	9	90	Aug. 15	July 30	July 29		428	184		115	222		6.82	2.64		101	26		

(1) Harvested seeds destroyed by fire

(2) Herbage not measured

(3) Seed not harvested in 1981