

Cultivar	Origin	Hardiness	Height (cm)	Date 1979	Ripe 1980	Seed Yield				Herbage Yield			
						Kg/ha		% of Climax		(DM)	t/ha	% of Climax	
						1979	1980	1979	1980	1979	1980	1979	1980
Astarix	Netherlands	9	69	Aug. 15	Aug. 19	(1)	40	(1)	11	(2)	5.72	(2)	85
Barmidi	Netherlands	9	98	Aug. 15	July 30		132		36		2.79		41
Barmoti	Netherlands	9	95	Aug. 15	July 30		284		77		3.00		44
Bartimi	Netherlands	9	99	Aug. 15	July 30		191		51		4.00		59
Barvanti	Netherlands	9	46	Aug. 15	Aug. 19		61		16		4.47		66
Bodin	Norway	9	108	Aug. 15	July 30		554		149		4.37		65
Bottnia II	Sweden	9	107	Aug. 15	July 30		497		134		4.62		68
ChAMPLAIN	Netherlands	9	103	Aug. 15	July 30		95		26		3.51		52
Climax*	Canada	9	106	Aug. 15	July 30		371		100		6.76		100
Engmo	Norway	9	106	Aug. 15	July 30		491		132		4.36		65
Erecta	Belgium	9	89	Aug. 15	July 30		116		31		2.11		31
Flemer	Netherlands	9	93	Aug. 15	July 30		161		43		2.42		36
Forus	Norway	9	96	Aug. 15	July 30		364		98		4.58		68
Georgikon	Hungary	9	101	Aug. 15	July 30		327		88		4.67		69
Goliath	Netherlands	9	92	Aug. 15	July 30		171		46		2.93		43
Grindstad	Norway	9	100	Aug. 15	July 30		317		85		4.88		72
Gusto	Netherlands	9	59	Aug. 15	Aug. 19		58		16		3.37		50
Hokua	Japan	9	96	Aug. 15	July 30		256		69		5.80		86
Korpa	Iceland	9	105	Aug. 15	July 30		554		149		6.11		90
Mahndorfer	Germany	9	100	Aug. 15	July 30		196		53		3.49		52
Megas	Netherlands	9	92	Aug. 15	July 30		116		31		3.51		52
Meson	Netherlands	9	82	Aug. 15	Aug. 19		134		36		4.75		70
Mino	Denmark	9	95	Aug. 15	July 30		93		25		5.17		76
Motim	Netherlands	9	95	Aug. 15	Aug. 19		86		23		2.38		35
N.F.G.	Germany	9	96	Aug. 15	July 30		299		81		3.17		47
Otto	Finland	9	103	Aug. 15	July 30		428		115		6.82		101

(1) Harvested seeds destroyed by fire

(2) Herbage not measured

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield				Herbage Yield			
				1979	1980	Kg/ha		% of Climax		(DM) t/ha		% of Climax	
						1979	1980	1979	1980	1979	1980	1979	1980
Palermo	Netherlands	9	63	Aug. 15	Aug. 19	(1)	15	(1)	4	(2)	2.17	(2)	32
Pedion	Netherlands	9	68	Aug. 15	Aug. 19		116		31		4.52		67
Pef	Germany	9	94	Aug. 15	July 30		258		70		1.93		29
Phlewiola	Germany	9	93	Aug. 15	July 30		417		112		5.26		79
Pota	Denmark	9	97	Aug. 15	July 30		268		72		4.32		64
Pronto	USA	9	94	Aug. 15	July 30		130		35		2.98		44
Ramona	Netherlands	9	66	Aug. 15	Aug. 19		110		30		1.55		23
Rasant	Germany	9	96	Aug. 15	July 30		344		93		3.34		49
Richmond	Canada	9	98	Aug. 15	July 30		212		57		3.81		56
Rotenberg	Sweden	9	106	Aug. 15	July 30		457		123		4.61		68
RVP25IF	Belgium	9	90	Aug. 15	July 30		53		14		4.42		65
Sabre	U.K.	9	78	Aug. 15	Aug. 19		74		20		3.13		46
Sigma	Netherlands	9	63	Aug. 15	Aug. 19		126		34		2.94		43
Suceava	Rumania	9	96	Aug. 15	July 30		141		38		2.41		36
Surprise	Netherlands	9	90	Aug. 15	Aug. 19		122		33		4.10		61
Tamisto	Finland	9	106	Aug. 15	July 30		553		149		5.77		85
Taplo 800	Hungary	9	105	Aug. 15	July 30		284		77		2.92		43
Tarmo	Finland	9	104	Aug. 15	July 30		338		91		4.42		65
Timfor	USA	9	99	Aug. 15	July 30		188		51		3.71		55
Topas Otofte	Denmark	9	95	Aug. 15	July 30		248		67		4.22		62
Vallo	Sweden	9	95	Aug. 15	July 30		404		109		6.67		99
Verdant	USA	9	106	Aug. 15	July 30		157		42		3.25		48

Mean

L.S.D. (P = .05)

237.74

103.96

3.99

1.90

(1) Harvested seeds destroyed by fire

(2) Herbage not measured

Cultivar	Origin	Hardiness	Beaverlodge Research Station			Beaverlodge Foster's Farm			Father Beaupre Farm			Ft.Vermillion Experimental Farm			High Level Fedeyko Farm		
			Ht. cm	Yield t/ha	% of Climax	Ht. cm	Yield t/ha	% of Climax	Ht. cm	Yield t/ha	% of Climax	Ht. cm	Yield t/ha	% of Climax	Ht. cm	Yield t/ha	% of Climax
Aipage	France	9	81	5.21	98	71	4.22	98	55	1.82	92	88	8.04	80	66	1.44	84
Asterix	Netherlands	9	64	6.28	118	67	4.11	95	29	0.69	35	48	6.91	69	40	1.72	100
Bartini	Netherlands	9	79	5.11	96	65	4.29	99	49	1.83	92	90	10.13	101	66	1.51	88
Basho	Canada	9	74	3.71	70	70	3.68	85	50	1.44	73	93	6.91	69	67	0.66	38
Bilbo	Denmark	9	85	4.84	91	70	4.49	104	63	1.94	98	94	9.50	94	73	2.02	117
Bottnia II	Sweden	9	85	4.89	92	71	5.54	129	59	2.34	118	104	17.53	174	83	3.14	183
Bounty	Canada	9	88	4.51	85	79	4.27	99	65	1.43	72	92	9.02	90	79	1.54	90
Champ	Canada	9	81	5.05	95	64	4.01	93	42	1.50	76	95	11.19	111	70	1.59	92
Climax*	Canada	9	90	5.30	100	75	4.31	100	52	1.98	100	95	10.06	100	74	1.72	100
Engno	Norway	9	81	4.63	87	77	5.28	123	57	2.07	105	104	16.05	160	71	2.81	163
Erecta	Belgium	9	83	5.64	106	72	4.30	100	61	1.86	94	88	7.72	77	66	1.55	90
Goliath	Netherlands	9	83	5.58	105	67	4.77	111	55	1.96	99	94	12.42	123	71	2.29	133
Hokushu	Japan	9	83	6.60	125	66	5.22	121	59	2.07	105	98	9.79	97	77	2.33	135
Itasca	Sweden	9	91	5.05	95	71	4.44	103	56	1.91	96	100	11.48	114	70	1.18	69
Korpa	Iceland	9	85	4.61	87	70	5.70	132	59	2.02	102	99	14.54	145	76	3.14	183
Ludor	France	9	79	4.81	91	64	3.70	86	50	1.55	78	88	10.42	104	71	1.50	87
Melora	Holland	9	81	5.80	109	66	4.78	111	47	1.87	94	87	8.53	85	74	1.68	98
Mino	Denmark	9	83	5.33	101	65	4.63	107	50	1.93	97	94	6.94	69	78	1.71	99
Nosappu	Japan	9	90	5.28	100	69	5.06	117	52	2.01	102	96	12.50	124	71	1.99	116
Otto	Finland	9	91	4.41	83	70	4.53	105	63	2.32	117	99	13.71	136	70	2.31	134
Polka	U.K.	9	89	5.07	96	69	4.06	94	55	1.92	97	94	9.72	97	74	1.79	104
Pota	Denmark	9	86	5.50	104	72	4.80	111	59	2.20	111	95	12.51	124	70	1.51	88
Pronto	USA	9	89	5.48	103	74	4.79	111	49	1.85	95	90	10.17	101	79	2.33	135
Purlieu	U.K.	9	85	5.04	95	72	5.22	121	57	1.44	73	88	7.70	77	69	1.28	74
Ramona	Netherlands	9	48	3.27	62	20	2.36	55	18	0.59	30						
Rasant	Germany	9	86	5.01	95	68	4.85	113	65	2.27	115	86	9.78	97	71	1.97	115
Richmond	Canada	9	84	4.81	91	62	4.42	103	52	1.85	93	90	9.11	91	76	2.31	134
RVP25IF	Belgium	9	83	5.94	112	65	3.97	92	49	1.75	88	89	11.17	111	64	1.57	91
Salvo	Canada	9	78	4.47	84	61	3.54	82	39	1.42	72	78	7.96	79	70	1.90	110
Sigma	Netherlands	9	60	6.10	115	62	3.63	84	39	1.70	86	76	9.39	93	61	1.13	66
Tiiti	Finland	9	88	5.50	104	71	5.64	131	62	2.45	124	78	14.40	143	76	2.07	120
Tilda	Denmark	9	83	4.77	90	70	5.14	119	60	2.00	101	96	11.86	118	79	2.90	169
Topas Ototte	Denmark	9	86	5.51	104	72	4.98	116	59	2.06	104	94	12.29	122	81	2.40	140
Verdant	USA	9	94	6.17	116	83	5.11	119	49	1.97	99	104	11.80	117	79	1.94	113
Mean				5.16			4.53			1.82			10.64			1.91	
L.S.D. (P = .05)				0.56			0.50			0.24			1.60			0.39	