

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe August			Seed Yield Data						Herbage Yield Data					
				1978	1979	1980	Yield kg/ha		% of Climax		Yield (DM) t/ha			% of Climax				
							1978	1979	1980	1978	1979	1980	1978	1979	1980			
Barnidi	Netherlands	9	73	9	14	12	290	264	123	87	67	42	2.28	4.88	1.77	88	92	107
Barvanti	Netherlands	9	53	20	29	26	280	339	84	84	104	29	2.58	5.02	1.41	100	95	84
Basho	Canada	9	70	6	9	10	140	389	175	42	119	60	0.90	4.21	1.88	35	79	113
Bilbo	Denmark	9	75	7	10	11	539	398	289	162	122	98	3.14	5.29	2.37	122	100	143
Bottnia II	Sweden	9	81	8	10	10	520	473	317	157	145	108	2.69	5.35	2.04	104	101	123
Castella	Netherlands	9	76	15	18	17	368	254	105	111	78	36	1.57	4.17	1.46	61	78	88
Champlain	Netherlands	9	82	12	20	13	291	230	150	88	71	51	2.42	4.97	1.90	94	94	114
Clair	USA	9	67	6	11	10	227	370	144	68	113	49	1.68	5.24	1.97	65	99	119
Climax*	Canada	9	85	9	12	9	332	326	294	100	100	100	2.58	5.31	1.66	100	100	100
Deploy	U.K.	9	73	16	21	17	149	180	88	45	55	30	0.83	2.73	1.10	32	51	66
Dolema	Germany	9	52	21	29	26	175	268	61	53	82	21	3.20	5.47	1.93	124	103	116
Engmo	Norway	9	74	6	10	10	736	558	362	222	168	123	3.70	5.44	2.17	143	103	131
Flenar	Netherlands	9	69	6	10	11	384	380	265	116	117	90	2.24	4.75	1.93	87	89	116
Goliath	Netherlands	9	70	8	11	12	449	361	258	135	111	88	3.36	6.32	2.06	130	119	124
Gusto	Netherlands	9	65	24	29	24	178	260	82	54	80	28	3.14	4.73	2.02	122	89	122
Herma	Netherlands	9	78	10	18	11	353	375	213	106	115	76	1.97	4.84	1.84	76	91	111
Hokua	Japan	9	70	4	10	11	289	379	229	87	116	78	2.51	5.22	2.17	97	98	131
Marcia	Netherlands	9	73	15	18	17	291	284	122	88	87	42	1.50	4.39	1.03	58	83	62
Megas	Netherlands	9	73	9	17	15	263	293	166	79	90	57	2.91	5.73	2.17	113	108	131
Meson	Netherlands	9	67	18	21	24	205	227	115	62	70	39	1.72	4.01	1.34	67	76	81
Mino	Denmark	9	66	10	18	14	330	321	175	99	98	60	2.91	5.42	2.20	113	102	133
Motim	Netherlands	9	72	10	18	15	308	363	180	93	111	61	2.06	5.20	1.99	80	98	120
Motterwitzer	E. Germany	9	81	6	9	9	402	477	272	121	146	93	2.17	4.79	1.84	84	90	111
Pajbjerg 75	Denmark	9	75	8	13	12	306	319	256	95	98	87	2.96	5.02	2.28	115	95	137
Palermo	Netherlands	9	49	18	24	18	115	205	73	35	63	25	0.67	2.93	1.48	26	55	89
Pedion	Netherlands	9	63	19	25	21	309	231	117	93	71	40	2.31	4.82	1.46	90	91	88
Pet	Germany	9	80	5	9	10	354	441	266	107	135	90	2.31	5.29	2.13	90	100	128
Polka	U.K.	9	78	8	12	10	376	374	290	113	115	99	2.76	5.40	2.44	107	102	147
Pota	Denmark	9	83	7	12	12	316	405	198	95	124	67	2.51	5.98	2.08	97	113	125
Pronto	USA	9	79	8	11	13	329	311	219	99	95	74	2.96	5.38	2.06	115	101	124
Purflieu	U.K.	9	73	11	16	15	383	131	243	115	96	83	2.91	5.33	2.37	113	100	143

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				1978	1979	1980	Yield kg/ha		% of Climax		Yield (DM) t/ha			% of Climax				
							1978	1979	1980	1978	1979	1980	1978	1979	1980			
Rasant	Germany	9	78	3	10	12	491	553	412	148	170	140	2.84	6.00	2.76	110	113	166
Ref. Bd. 3062	Belgium	9	61	20	29	21	395	370	131	119	113	45	2.73	4.52	1.81	106	85	109
Rvpf 735.1	Belgium	9	73	9	12	12	216	244	151	65	75	51	2.42	5.35	1.79	94	101	108
Rvpf 735.2	Belgium	9	68	10	18	18	365	445	193	110	137	66	2.69	5.00	1.75	104	94	105
Rvpf 735.3	Belgium	9	70	8	14	14	261	283	183	79	87	62	3.47	5.62	2.28	134	106	137
Rvpf 735.4	Belgium	9	72	9	14	13	265	300	236	80	92	80	2.62	5.98	2.42	102	113	146
Rvpf 735.5	Belgium	9	69	9	14	11	258	241	177	78	74	60	2.35	5.27	2.20	91	103	133
Sabre	U.K.	9	58	15	23	23	360	297	137	108	91	47	2.24	4.68	2.08	87	88	125
Suceava	Romania	9	75	3	10	11	365	531	273	110	163	93	2.96	5.49	2.40	115	103	145
Surprise	Netherlands	9	71	8	13	14	304	291	175	92	89	60	3.20	5.69	2.11	124	107	127
Syn IA	U.K.	9	68	6	9	9	196	405	192	59	124	65	1.97	5.06	1.97	76	95	119
Syn IB	U.K.	9	73	6	10	10	228	439	227	69	135	77	2.46	5.53	2.26	95	104	136
Syn IC	U.K.	9	73	7	9	10	224	398	242	67	122	82	2.17	5.53	2.02	84	104	122
Syn II	U.K.	9	73	8	13	11	282	336	172	85	103	59	2.73	5.89	1.64	106	111	99
Syn IIIA	U.K.	9	76	8	13	13	314	227	175	95	70	60	2.76	4.59	2.08	107	86	125
Timfor	USA	9	77	7	10	10	269	381	230	81	117	78	2.08	4.64	1.90	81	87	114
Topas Ototte	Denmark	9	77	6	11	11	422	484	300	127	148	102	2.69	6.29	2.69	104	119	162
TT 3-70	Netherlands	9	73	17	24	20	231	237	131	70	73	45	1.97	4.77	1.55	76	90	93
TK 4-70	Netherlands	9	62	16	23	26	404	307	107	122	94	36	2.24	5.08	1.32	87	96	80
Verdant	USA	9	81	11	15	12	328	316	224	99	97	76	3.58	6.63	2.55	139	125	154
Winda	Netherlands	9	63	22	28	23	149	162	30	45	50	10	2.84	4.46	1.32	110	84	80
Mean							312	339	193				2.49	5.11	1.95			
L.S.D. (P = .05)							62.41	38.52	38.40				0.16	0.22	0.38			

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
Asterix	Netherlands	9	50	Sept. 4	Aug. 14	318	7	77	3	(1)	4.06	(1)	88
Barnidi	Netherlands	9	69	Aug. 15	Aug. 5	335	169	81	65		5.56		120
Barmoti	Netherlands	9	66	Aug. 9	Aug. 25	456	388	110	148		4.35		94
Bartimi	Netherlands	9	69	Aug. 15	Aug. 5	431	221	104	84		5.35		116
Barvanti	Netherlands	9	61	Aug. 22	Aug. 25	326	106	79	40		3.37		75
Basho	Canada	9	62	Aug. 9	July 24	284	185	69	71		3.17		68
Bodin	Norway	9	71	Aug. 9	July 30	590	441	143	168		5.99		129
Bottnia II	Sweden	9	72	Aug. 9	July 30	461	278	112	106		4.77		103
Champion	Netherlands	9	90	Aug. 19	Aug. 11	336	202	81	77		4.84		105
Climax	Canada	9	75	Aug. 12	July 30	413	262	100	100		4.63		100
Deploy	U.K.	9	29	Aug. 22	Aug. 14	168	36	41	14		3.70		80
Engmo	Norway	9	74	Aug. 9	July 30	552	337	134	129		5.22		113
Erecta	Belgium	9	67	Aug. 11	July 30	349	159	85	61		4.20		91
Farol	Netherlands	9	64	Aug. 22	Aug. 11	343	100	83	38		3.57		77
Fleamar	Netherlands	9	61	Aug. 11	July 30	446	247	108	94		3.23		70
Forus	Norway	9	65	Aug. 9	July 30	441	295	107	113		4.01		87
Georgikon	Hungary	9	72	Aug. 9	Aug. 2	450	290	109	111		4.29		93
Goliath	Netherlands	9	70	Aug. 17	July 30	504	209	122	80		4.98		108
Grinstad	Norway	9	67	Aug. 12	July 30	549	312	133	119		4.95		107
Gusto	Netherlands	9	65	Sept. 4	Aug. 25	401	48	97	18		7.34		159
Hokue	Japan	9	64	Aug. 9	July 30	353	294	85	112		3.96		86
Korpa	Iceland	9	68	Aug. 9	July 30	598	382	145	146		6.20		134
Mandorfer	Germany	9	65	Aug. 11	July 30	501	317	121	121		5.00		108
Megas	Netherlands	9	67	Aug. 14	July 30	287	104	69	40		3.99		86
Meson	Netherlands	9	62	Aug. 22	Aug. 14	302	67	73	26		4.29		93
Mino	Denmark	9	53	Aug. 20	Aug. 11	409	155	99	59		5.14		111
Motim	Netherlands	9	71	Aug. 20	Aug. 5	367	64	89	24		4.92		106
N.F.G.	Germany	9	64	Aug. 9	July 30	493	366	119	140		3.68		79
Otto	Finland	9	70	Aug. 11	July 30	551	364	133	139		5.07		110

(1) Herbage not measured.