

Cultivar	Origin	Hardiness	Height (cm)	Date 1979	Ripe 1980	Seed Yield				Herbage Yield			
						Kg/ha		% of Boreal		(DM) t/ha		% of Boreal	
						1979	1980	1979	1980	1979	1980	1979	1980
Banner	USA	9	39	Aug. 1	July 8	281	119	27	91	(1)	0.54	(1)	45
Borante	Netherlands	9	20	Aug. 1	July 8	2	6	0.19	5		0.26		22
Barbara	Netherlands	9	24	Aug. 1	July 8	13	10	1.20	8		0.30		25
Bastide	France	9	31	Aug. 1	July 11	16	11	1.50	8		0.43		36
Boreal*	Canada	9	42	Aug. 1	July 14	1043	131	100	100		1.20		100
Brasov	Rumania	9	40	Aug. 1	July 14	411	70	39	53		0.72		60
Carlawn	Canada	9	40	Aug. 1	July 14	510	65	49	50		0.83		69
Checker	USA	9	40	Aug. 1	July 2	174	40	17	31		0.42		35
Chomade	France	9	40	Aug. 1	July 14	71	40	7	31		0.64		53
Corona	Netherlands	9	36	Aug. 1	July 14	44	2	4	2		0.51		43
Engina	Netherlands	9	39	Aug. 1	July 14	340	215	33	164		1.51		126
Ensylva	Netherlands	9	31	Aug. 1	July 14	261	7	25	5		0.29		24
Envira	Netherlands	9	45	Aug. 1	July 14	758	239	73	182		1.39		116
Enzet	Netherlands	9	45	Aug. 1	July 14	335	221	32	169		0.89		74
Fortress	USA	9	43	Aug. 1	July 14	445	38	43	29		0.60		50
Grelø	Denmark	9	34	Aug. 1	July 14	17	6	1.6	5		0.77		64
Keszthelyi 2	Hungary	9	46	Aug. 1	July 14	510	102	49	78		1.46		122
Hanoir	France	9	32	Aug. 1	July 14	21	13	2	10		0.48		40
Marga	Netherlands	9	36	Aug. 1	July 14	54	46	5	35		0.48		40
Marlet	Netherlands	9	33	Aug. 1	July 8	220	57	21	44		0.55		46
Marlin	U.K.	9	36	Aug. 1	July 14	17	3	1.6	2		0.43		36
Moncorde	Netherlands	9	38	Aug. 1	July 14	617	63	59	48		0.92		77
Monica	Netherlands	9	37	Aug. 1	July 14	455	17	44	13		0.93		78
Patio	Netherlands	9	42	Aug. 1	July 14	521	53	50	40		0.99		83
Pernille	Denmark	9	40	Aug. 1	July 14	334	35	32	27		0.83		69
Pollux	Denmark	9	42	Aug. 1	July 14	629	48	60	37		1.13		94
Puma	Denmark	9	31	Aug. 1	July 2	156	63	15	48		0.40		33
Rapid	Netherlands	9	40	Aug. 1	July 14	619	155	59	118		1.32		110
Skot	Denmark	9	36	Aug. 1	July 14	78	5	7	4		0.54		45
Sonnet	Netherlands	9	34	Aug. 1	July 14	50	4	5	3		0.69		58
Veni	Denmark	9	35	Aug. 1	July 8	385	34	37	26		0.61		51
Mean						302	62				0.74		
L.S.D. (P = .05)						78.96	30.42				0.24		

(1) Herbage not measured

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe 1979 1980	Seed Yield				Herbage Yield			
					Kg/ha		% of Boreal		(DM)	t/ha	% of Boreal	
					1979	1980	1979	1980	1979	1980	1979	1980
Banner	USA	9	83	July 25 July 9	249	12	20	92	(1)	3.18	(1)	91
Barante	Netherlands	9	54	July 25 July 9	26	7	2	54		3.97		113
Barbara	Netherlands	9	55	July 25 July 9	39	2	3	15		2.87		82
Bostide	France	9	58	July 25 July 9	27	1	2	8		2.74		78
Boreal*	Canada	9	71	July 25 July 9	1224	13	100	100		3.50		100
Brasov	Rumania	9	70	July 25 July 9	423	19	35	146		4.00		114
Carlawn	Canada	9	75	July 25 July 9	1052	16	86	123		3.59		103
Checker	U.S.A.	9	71	July 25 July 9	413	27	34	208		3.02		86
Chomade	France	9	71	July 25 July 9	170	15	14	115		2.62		75
Corona	Netherlands	9	45	July 25 July 9	160	1	13	8		2.30		66
Engina	Netherlands	9	75	July 25 July 9	874	10	71	77		4.08		117
Ensylva	Netherlands	9	65	July 25 July 9	474	3	38	23		3.19		91
Envira	Netherlands	9	79	July 25 July 9	720	20	59	154		4.55		130
Enzet	Netherlands	9	79	July 25 July 9	710	13	58	100		3.84		110
Fortress	USA	9	73	July 25 July 9	671	8	55	62		4.53		129
Grelo	Denmark	9	50	July 25 July 9	140	1	11	8		4.02		115
Keszthely 2	Hungary	9	71	July 25 July 9	445	5	36	38		4.52		129
Manoir	France	9	56	July 25 July 9	136	2	11	15		3.06		87
Marga	Netherlands	9	72	July 25 July 9	94	27	8	208		2.35		67
Marlet	Netherlands	9	70	July 25 July 9	146	38	12	292		3.00		86
Merlin	U.K.	9	66	July 25 July 9	92	1	8	8		3.22		92
Moncorde	Netherlands	9	69	July 25 July 9	756	11	62	85		3.65		104
Monica	Netherlands	9	65	July 25 July 9	428	3	35	23		4.88		139
Patio	Netherlands	9	76	July 25 July 9	404	4	33	31		4.18		119
Pernille	Denmark	9	70	July 25 July 9	401	2	33	15		4.50		129
Pollux	Denmark	9	79	July 25 July 9	615	7	50	54		4.95		141
Puma	Denmark	9	64	July 25 July 9	230	47	19	362		2.85		81
Rapid	Netherlands	9	73	July 25 July 9	623	13	51	100		4.81		137
Skot	Denmark	9	48	July 25 July 9	44	1	4	8		3.24		93
Sonnet	Netherlands	9	40	July 25 July 9	138	1	11	8		2.50		71
Veni	Denmark	9	80	July 25 July 9	300	29	25	223		3.30		94
Mean					394	12				3.58		
L.S.D. (P = .05)					104.48	7.23				0.60		

(1) Herbage not measured

Cultivar	Origin	Hardiness	Beaverlodge Research Station			Beaverlodge Foster's Farm			Father Beaupre Farm			Ft. Vermilion Experimental Farm			High Level Fedeyko Farm		
			Ht cm	Yield t/ha	% of Boreal	Ht cm	Yield t/ha	% of Boreal	Ht cm	Yield t/ha	% of Boreal	Ht cm	Yield t/ha	% of Boreal	Ht cm	Yield t/ha	% of Boreal
Bellade	France	9	34	4.11	81	33	1.53	35	30	0.87	38	59	4.02	74	48	1.06	39
Bonner	USA	9	46	2.97	58	39	1.43	32	33	0.72	32	51	2.89	55	45	0.61	23
Bastide	France	9	24	3.62	71	33	0.48	11	25	0.38	17	45	2.53	47	59	0.33	12
Boreal*	Canada	9	54	5.09	100	48	4.42	100	38	2.28	100	76	5.44	100	33	2.69	100
Carlawn	Canada	9	54	3.76	74	48	3.79	86	41	2.11	93	73	5.56	102	86	2.51	93
Chomade	France	9	48	2.52	50	37	1.31	30	32	0.56	25	57	2.11	39	47	0.51	19
Corona	Netherlands	9	38	4.49	88	37	2.38	54	32	1.01	44	56	4.48	82	49	1.13	42
Ensylva	Netherlands	9	48	4.24	83	39	2.41	55	32	0.97	43	64	4.11	76	49	1.60	59
Envira	Netherlands	9	48	4.33	85	46	3.35	76	42	1.87	82	68	6.28	115	60	2.62	97
Enzet	Netherlands	9	54	4.50	88	49	3.26	74	41	2.18	96	70	5.72	105	56	2.91	108
Epaulette	U.K.	9	40	3.90	77	39	2.29	52	32	0.95	42	54	3.72	68	49	1.65	61
Fess	U.K.	9	28	4.10	81	32	1.93	44	34	0.67	29	58	3.09	57	50	0.64	24
Fortress	USA	9	50	4.11	81	48	3.48	79	38	1.77	78	68	4.90	90	59	2.10	78
Hackle	U.K.	9	41	4.02	79	30	2.20	50	34	0.88	39	53	1.88	35	38	0.88	33
Keszthelyi 2	Hungary	9	56	4.45	87	50	3.50	79	43	1.77	78	68	4.76	88	59	2.22	83
Leik	Norway	9	55	4.40	86	48	3.62	82	50	1.67	73	76	6.11	112	68	2.84	106
Maxim	Sweden	9	54	2.49	49	41	2.99	59	36	1.06	46	61	4.01	74	54	1.10	41
Milda	France	9	50	4.64	91	48	2.73	62	36	1.46	64	60	4.64	85	52	2.06	77
Moncorde	Netherlands	9	41	4.15	82	42	3.09	70	36	1.31	57	63	5.54	102	50	1.71	64
Oriflame	U.K.	9	48	3.59	71	38	1.30	29	40	0.57	25	58	4.43	81	-	1.31	49
Patlo	Netherlands	9	53	4.30	84	48	3.07	69	39	1.68	74	66	5.12	94	55	1.89	70
Pernille	Denmark	9	49	4.70	92	42	3.22	73	33	1.57	69	60	4.30	79	56	2.17	81
Pollux	Denmark	9	50	4.16	82	44	3.78	86	38	1.89	83	65	4.98	92	56	3.36	125
Rapid	Netherlands	9	53	3.76	74	48	2.67	60	39	1.46	64	70	5.78	106	55	2.77	103
Reptans	Sweden	9	56	4.75	93	48	3.58	81	43	1.97	86	71	5.71	105	58	2.95	110
Roland 21	Germany	9	55	5.27	104	46	3.48	78	42	2.33	102	71	5.71	105	60	2.19	81
Skot	Denmark	9	40	4.70	92	37	1.40	32	32	0.99	43	56	4.24	78	46	1.53	57
Zernickower	East Germany	9	51	4.85	95	46	3.17	72	41	1.47	64	70	5.88	108	60	3.57	133
Mean				4.14			2.69			1.57			4.57			1.89	
L.S.D. (P = .05)				0.61			0.30			0.19			0.60			0.26	