

Cultivar	Origin	Hardiness	Beaverlodge Research Station			Beaverlodge Foster's Farm			Falher Beaupre Farm			Ft. Vermilion Experimental Farm			High Level Fedeyko Farm		
			Date	Yield	% of	Date	Yield	% of	Date	Yield	% of	Date	Yield	% of	Date	Yield	% of
			Ripe	Kg/ha	Climax	Ripe	Kg/ha	Climax	Ripe	Kg/ha	Climax	Ripe	Kg/ha	Climax	Ripe	Kg/ha	Climax
Alpage	France	9	Aug.16	384	105	Aug. 5	358	105	Aug. 6	148	116	July30	239	89	July28	169	92
Asterix	Netherlands	9	Sept.6	465	127	Aug.25	114	34	Aug.20	28	46	Aug.19	133	49	Aug. 2	137	75
Bartini	Netherlands	9	Aug.12	405	110	Aug.11	406	119	Aug. 6	186	145	July30	346	128	July28	141	98
Basho	Canada	9	Aug.20	192	52	Aug. 5	352	104	Aug. 6	79	62	July30	95	35	July28	53	29
Bilbo	Denmark	9	Aug.16	309	84	Aug. 5	433	127	July29	176	138	July30	292	108	July28	177	66
Bottnia II	Sweden	9	Aug.12	703	192	July30	498	146	July29	206	161	July30	960	356	July28	576	313
Bounty	Canada	9	Aug.19	218	59	Aug.11	291	86	Aug. 6	104	81	July30	325	120	Aug. 2	114	62
Champ	Canada	9	Aug.12	353	96	July30	304	89	Aug. 6	107	84	July30	240	89	July28	144	83
Climax*	Canada	9	Aug.12	367	100	Aug. 5	340	100	Aug. 6	128	100	July30	270	100	Aug. 2	184	100
Engmo	Norway	9	Aug.12	571	156	Aug. 5	639	188	Aug. 6	222	173	July30	955	354	July28	538	292
Erecta	Belgium	9	Aug.13	469	128	Aug. 5	369	109	July29	120	94	July30	307	114	July28	217	118
Goliath	Netherlands	9	Aug.12	407	111	Aug. 5	354	104	July29	150	117	July30	393	146	July28	307	167
Hokushu	Japan	9	Aug.19	443	121	Aug.11	219	64	Aug. 8	164	128	July30	215	80	Aug. 7	248	135
Itasca	Sweden	9	Aug.12	268	73	July30	295	87	July29	108	84	July30	276	102	Aug. 2	161	62
Korpa	Iceland	9	Aug.12	792	216	July30	274	81	July29	245	191	July30	949	351	July28	582	250
Ludor	France	9	Aug.19	131	36	Aug.11	181	53	Aug. 6	62	48	July30	174	64	July28	90	49
Melora	Netherlands	9	Aug.16	363	99	Aug.11	269	79	Aug. 8	81	63	July30	158	59	Aug. 2	143	82
Mino	Denmark	9	Aug.16	304	82	Aug.11	306	90	Aug. 8	153	120	July30	153	57	July28	147	111
Nosappu	Japan	9	Aug.12	496	135	July30	506	149	Aug. 6	165	129	July30	312	116	July28	201	95
Otto	Finland	9	Aug.12	537	146	July30	501	147	July29	265	207	July30	737	273	July28	390	212
Polka	U.K.	9	Aug.13	431	117	Aug. 5	384	113	Aug. 6	172	134	July30	282	104	July28	176	96
Pota	Denmark	9	Aug.12	406	111	Aug. 5	436	128	July29	133	104	July30	315	117	July28	141	77
Pronto	USA	9	Aug.13	403	110	Aug. 5	389	114	Aug. 6	155	121	July30	284	105	July28	293	159
Purlieu	U.K.	9	Aug.16	358	98	Aug.11	334	98	Aug.12	135	105	July30	122	45	Aug.13	108	125
Ramona	Netherlands	6	Aug.23	86	23	Aug.11	205	60	Aug.12	17	13	July30	0	0	July28	-	23
Rasant	Germany	9	Aug.12	607	165	July30	558	164	July29	323	252	July30	421	156	July28	403	219
Richmond	Canada	9	Aug.16	319	87	July30	422	124	July29	139	109	July30	208	77	July28	157	85
RVP 251F	Belgium	9	Aug.16	272	74	Aug.11	180	53	Aug. 8	70	55	July30	177	66	July28	123	92
Salvo	Canada	9	Aug.13	225	61	July30	275	81	July29	56	44	Aug. 9	166	62	July28	65	35
Sigma	Netherlands	9	Aug.26	671	183	Aug.25	332	98	Aug.12	189	148	Sept. 1	509	189	Aug.13	418	215
TITII	Finland	9	Aug.12	631	172	July30	437	129	July29	272	213	July30	725	269	July28	456	248
Tilda	Denmark	9	Aug.12	358	98	Aug. 5	517	152	July29	196	153	July30	461	171	July28	306	166
Topas Otofte	Denmark	9	Aug.12	399	109	Aug. 5	486	143	Aug. 6	174	136	July30	365	135	July28	224	97
Verdant	USA	9	Aug.12	410	112	Aug.5	358	105	Aug. 6	139	109	July30	332	123	July28	230	125
Mean				404			371			149			350			237	
L.S.D. (P = .05)				91.19			49.87			36.51			73.20			56.36	

Cultivar	Origin	Hardiness	Height (cm)	Date 1979	Ripe 1980	Seed Yield				Herbage Yield			
						Kg/ha		% of Aurora		(DM) t/ha		% of Aurora	
						1979	1980	1979	1980	1979	1980	1979	1980
Aldan Trifolium	Denmark	5	(1)	Sept.17	Sept.25	460	86	83	90	4.35	0.34	110	57
Alpc	Norway	4		Sept.17	Sept.25	556	0	100	0	3.77	0	95	0
Aurora *	Canada	7		Sept.17	Sept.25	556	96	100	100	3.99	0.60	100	100
Dawn	Canada	7		Sept.17	Sept.25	624	128	112	133	4.51	0.40	113	67
Ermo Otoffe	Denmark	5		Sept.17	Sept.25	450	104	81	108	3.14	-	78	-
Hogsta	Sweden	8		Sept.17	Sept.25	484	109	87	114	4.03	0.43	100	72
Isa Tetra	Finland	8		Sept.17	Sept.25	524	100	94	104	4.55	0.36	113	60
Jeno Dæhnfeldt	Denmark	4		Sept.17	Sept.25	353	54	63	56	4.17	-	105	-
Odenwalder	Germany	7		Sept.17	Sept.25	487	187	88	195	4.25	0.27	105	45
Otoffe	Denmark	4		Sept.17	Sept.25	506	43	91	45	2.85	-	73	-
Otoffe 4N	Denmark	6		Sept.17	Sept.25	516	104	93	108	3.91	0.22	98	37
Stena 4N	Sweden	7		Sept.17	Sept.25	413	36	74	38	4.18	0.16	105	27
Strain II	Canada	6		Sept.17	Sept.25	492	139	88	145	5.02	0.36	125	60
Tetra	Sweden	8		Sept.17	Sept.25	569	139	102	145	4.36	0.38	110	63
Mean						499	95			4.08	0.32		
L.S.D. (P = .05)						68.46	37.20			0.85	0.16		

(1) Height not measured

## RED CLOVER

Test Site: Beaverlodge (Foster's Farm)  
Seeding Year: 1978

Page 33

Cultivar	Origin	Hardiness	Height (cm)	Date 1979	Ripe 1980	Seed Yield				Herbage Yield			
						Kg/ha		% of Altaswede		t/ha		% of Altaswede	
						1979	1980	1979	1980	1979	1980	1979	1980
Altaswede*	Canada	9	(1)	Sept. 17	Sept. 25	713	529	100	100	6.27	1.14	100	100
Arlington	USA	2		Sept. 17	Sept. 25	371	52	52	10	2.86	0.27	46	24
Astra	U.K.	3		Sept. 17	Sept. 25	260	179	36	34	3.30	0.48	53	42
Bjorn	Sweden	9		Sept. 17	Sept. 25	540	362	76	68	5.64	0.95	90	83
Duro	Denmark	2		Sept. 17	Sept. 25	616	0	86	0	3.49	0	56	0
Elbo	Denmark	7		Sept. 17	Sept. 25	618	434	87	82	3.71	0.90	59	79
Granta	U.K.	1		Sept. 17	Sept. 25	233	0	33	0	2.00	0	32	0
Gumpensteiner	Austria	1		Sept. 17	Sept. 25	92	0	13	0	1.43	0	23	0
Hegos Hohenheimer	Germany	0		Sept. 17	Sept. 25	0	-	0	-	1.16	-	19	-
Krano	Denmark	7		Sept. 17	Sept. 25	784	337	110	64	3.80	0.56	61	49
Kuhn	Netherlands	2		Sept. 17	Sept. 25	287	64	40	12	3.39	0.21	54	18
Marcom	France	0		Sept. 17	Sept. 25	39	0	5	0	1.57	0	25	0
Maris Gemini	U.K.	.5		Sept. 17	Sept. 25	211	0	30	0	1.73	0	28	0
Merkur	Sweden	8		Sept. 17	Sept. 25	612	343	86	65	4.59	0.84	73	74
Monte-Calmé	Switzerland	.5		Sept. 17	Sept. 25	148	0	21	0	2.22	0	35	0
Nava Trifolium	Denmark	7		Sept. 17	Sept. 25	877	351	123	66	4.22	0.71	67	62
Norlac	Canada	9		Sept. 17	Sept. 25	566	510	79	96	6.72	0.96	107	84
Norseman	U.K.	0		Sept. 17	Sept. 25	0	-	0	-	0.64	-	10	-
Oivi Otofte	Denmark	2		Sept. 17	Sept. 25	475	113	67	21	3.05	0.21	49	18
Pacific	Canada	0		Sept. 17	Sept. 25	0	-	0	-	1.07	-	17	-
Perenta	Rumania	3		Sept. 17	Sept. 25	150	76	21	14	2.66	0.33	42	29
Redhead	Germany	0		Sept. 17	Sept. 25	0	-	0	-	1.42	-	23	-
Redland	USA	1		Sept. 17	Sept. 25	273	0	38	0	2.57	0	41	0
S.123	U.K.	1		Sept. 17	Sept. 25	333	0	47	0	2.33	0	37	0
Tapfanzentkeresztli	Hungary	0		Sept. 17	Sept. 25	83	0	12	0	1.38	0	22	0
Venla	Finland	6		Sept. 17	Sept. 25	675	377	95	71	5.63	0.92	90	81

## RED CLOVER - TETRAPLOID

Hamidori 4N	Japan	1	(1)	Sept. 17	Sept. 25	66	0	9	0	1.43	0	23	0
Rea	Sweden	2		Sept. 17	Sept. 25	396	0	56	0	3.67	0	59	0
Sally	Sweden	6		Sept. 17	Sept. 25	342	178	48	34	4.09	0.34	65	30
Temara 4N	Switzerland	.5		Sept. 17	Sept. 25	0	-	0	-	1.24	-	20	-
Tripo	Norway	7		Sept. 17	Sept. 25	450	241	63	46	4.50	0.42	72	37
Ulva	Sweden	5		Sept. 17	Sept. 25	374	61	52	12	4.97	0.14	79	12
Mean						331	156			3.09	0.35		
L.S.D. (P = .05)						80.86	72.85			0.80	0.19		

(1) Height not measured