

Red Fescue

Test Site: Gimle (Driedger Farm)  
Seeding Year: 1984

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM) t/ha		% of Boreal		Day Cut		(DM) t/ha		% of Boreal	
		1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Beauty	(1) Netherlands	Jul 2	Jun 16	0.02	2.73	20	55	Aug 20	Aug 21	0.08	0.54	27	50
Boreal*	(3) Canada	Jul 2	Jun 16	0.10	4.99	100	100	Aug 20	Aug 21	0.30	1.08	100	100
B 7733	(3) Canada	Jul 2	Jun 16	0.09	4.87	90	98	Aug 20	Aug 21	0.44	0.93	147	86
Carlawn	(3) Canada	Jul 2	Jun 16	0.11	4.53	110	91	Aug 20	Aug 21	0.37	0.82	123	76
Commodore	(3) Netherlands	Jul 2	Jun 16	0.06	4.75	60	95	Aug 20	Aug 21	0.33	1.21	110	112
G	(2) Hungary	Jul 2	Jun 16	0.09	6.07	90	122	Aug 20	Aug 21	0.48	1.42	160	131
Islandic	(3) Netherlands	Jul 2	Jun 16	0.09	5.85	90	117	Aug 20	Aug 21	0.66	1.17	220	108
Leik	(3) Norway	Jul 2	Jun 16	0.29	4.64	290	93	Aug 20	Aug 21	0.72	0.58	240	54
Robot	(3) United Kingdom	Jul 2	Jun 16	0.18	4.80	180	96	Aug 20	Aug 21	0.65	1.05	217	97
Satin	(2) Sweden	Jul 2	Jun 16	0.10	4.63	100	93	Aug 20	Aug 21	0.49	1.50	163	139
Zernickower	(3) East Germany	Jul 2	Jun 16	0.07	5.24	70	105	Aug 20	Aug 21	0.46	1.18	153	109
Mean				0.10	4.83					0.45	1.04		
L.S.D. (P = .05)				0.06	0.81					0.19	0.42		

- (1) Rhizomes absent or rudimentary  
(2) Slender rhizomes  
(3) Strong rhizomes  
(4) Unclassified

Summary of Red Fescue Herbage Yields  
1984 Seeding Year - 1985 Harvest  
(Yields are shown as % of Boreal)

Cultivar	Origin	B'lodge A		B'lodge B		Falher		Fort Vermilion		Gimle		High Level		All Locations (Average)	
		1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut
Beauty	(1) Netherlands	22	26	49	53	(a)		53	86	20	27	(a)		36	48
Boreal*	(3) Canada	100	100	100	100			100	100	100	100			100	100
B 7733	(3) Canada	156	141	116	120			96	102	90	147			115	128
Carlawn	(3) Canada	160	89	163	139			93	94	110	123			132	111
Commodore	(3) Netherlands	110	95	99	108			74	92	60	110			86	101
G	(2) Hungary	80	99	125	120			112	134	90	160			102	128
Islandic	(3) Netherlands	114	155	129	165			83	128	90	220			104	167
Leik	(3) Norway	198	156	149	188			98	100	290	240			184	171
Perelle	(2) France	18	38	17	49			29	94	0	0			16	60
Robot	(3) United Kingdom	154	142	135	153			82	98	180	217			138	153
Satin	(2) Sweden	60	116	84	149			68	144	100	163			78	143
Zernickower	(3) East Germany	212	157	184	151			83	126	70	153			137	147
Boreal Yield in (DM) t/ha		0.50	0.91	0.75	0.85			3.21	1.56	0.10	0.30			1.14	0.91

- (1) Rhizomes absent or rudimentary (a) Not seeded  
(2) Slender rhizomes  
(3) Strong rhizomes  
(4) Unclassified

Summary of Red Fescue Herbage Yields  
 1984 Seeding Year - 1986 Harvest  
 (Yields are shown as % of Boreal)

Cultivar	Origin	B'lodge A		B'lodge B		Falher		Fort Vermilion		Gimle		High Level		All Locations (Average)	
		1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut
Beauty	(1) Netherlands	46	84	66	97	(a)		70	78	55	50	(a)		59	77
Boreal*	(3) Canada	100	100	100	100			100	100	100	100			100	100
B 7733	(3) Canada	99	67	118	114			141	128	98	86			114	99
Carlawn	(3) Canada	97	77	110	126			108	108	91	76			102	97
Commodore	(3) Netherlands	92	83	114	118			112	109	95	112			103	106
G	(2) Hungary	118	113	146	127			137	144	122	131			131	129
Islandic	(3) Netherlands	113	117	127	140			100	137	117	108			114	126
Leik	(3) Norway	121	58	134	93			179	77	93	54			132	71
Perelle	(2) France	64	91	71	109			110	127	-	-			82	109
Robot	(3) United Kingdom	94	84	120	115			121	125	96	97			108	105
Satin	(2) Sweden	88	133	110	147			117	126	93	139			102	136
Zernickower	(3) East Germany	126	75	133	123			146	141	105	109			128	112
Boreal Yield in (DM) t/ha		2.97	1.17	3.96	1.64			1.45	1.58	4.99	1.08			3.34	1.37

(1) Rhizomes absent or rudimentary  
 (2) Slender rhizomes  
 (3) Strong rhizomes  
 (4) Unclassified

(a) Not seeded

Timothy

Test Site: Beaverlodge Research Station  
Seeding Year: 1984

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1985	1986	kg/ha		% of Climax	
						1985	1986	1985	1986
Adda	Iceland	9.0	59	Aug 8	Aug 8	537	508	187	308
Climax*	Canada	9.0	61	Aug 8	Aug 15	287	165	100	100
G	Hungary	9.0	57	Aug 6	Aug 8	354	311	123	188
Hokussyu	Japan	9.0	57	Aug 8	Aug 21	239	168	83	102
Jogeva 54	Russia	9.0	61	Aug 6	Aug 8	375	208	131	126
Korpa	Iceland	9.0	58	Aug 8	Aug 8	537	405	187	245
Mentor	Netherlands	9.0	62	Aug 8	Aug 8	528	265	184	161
Nosappu	Japan	9.0	60	Aug 6	Aug 8	267	169	93	102
Vik 9	Russia	9.0	58	Aug 8	Aug 8	336	220	117	133
Mean						385	269		
L.S.D. (P = .05)						81	97		

Test Site: Beaverlodge B (Foster Farm)  
Seeding Year: 1984

Adda	Iceland	9.0	62	Aug 8	Aug 14	680	547	192	229
Climax*	Canada	9.0	64	Aug 8	Aug 18	355	239	100	100
G	Hungary	9.0	62	Aug 6	Aug 12	455	376	128	157
Hokussyu	Japan	9.0	64	Aug 8	Aug 22	229	263	65	110
Jogeva 54	Russia	9.0	58	Aug 6	Aug 14	278	301	78	126
Korpa	Iceland	9.0	60	Aug 6	Aug 12	721	467	203	195
Mentor	Netherlands	9.0	58	Aug 8	Aug 12	577	364	163	152
Nosappu	Japan	9.0	59	Aug 6	Aug 12	285	249	80	104
Vik 9	Russia	9.0	57	Aug 6	Aug 12	300	225	85	94
Mean						431	337		
L.S.D. (P = .05)						154	100		

Timothy

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1984

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1985	1986	kg/ha		% of Climax	
						1985	1986	1985	1986
Adda	Iceland	9.0	78	Aug 6	Aug 5	964	339	357	269
Climax*	Canada	9.0	73	Aug 6	Aug 5	270	126	100	100
G	Hungary	9.0	75	Aug 6	Aug 5	482	151	179	120
Hokussyu	Japan	9.0	73	Aug 6	Aug 5	302	105	112	83
Jogeva 54	Russia	9.0	76	Aug 6	Aug 5	562	199	208	156
Korpa	Iceland	9.0	81	Aug 6	Aug 5	1126	341	417	271
Mentor	Netherlands	9.0	75	Aug 6	Aug 5	719	286	266	227
Nosappu	Japan	9.0	81	Aug 6	Aug 5	447	182	166	144
Vik 9	Russia	9.0	77	Aug 6	Aug 5	640	200	237	159
Mean						612	214		
L.S.D. (P = .05)						223	64		

Test Site: Gimle (Driedger Farm)  
Seeding Year: 1984

Adda	Iceland	9.0	62	Aug 6	Aug 11	336	819	273	181
Climax*	Canada	9.0	64	Aug 8	Aug 8	123	452	100	100
G	Hungary	8.8	63	Aug 6	Aug 11	192	678	156	150
Hokussyu	Japan	7.8	67	Aug 8	Aug 8	112	604	91	134
Jogeva 54	Russia	8.8	60	Aug 6	Aug 14	171	565	139	125
Korpa	Iceland	8.8	61	Aug 8	Aug 11	306	772	249	171
Mentor	Netherlands	9.0	63	Aug 8	Aug 14	313	664	254	147
Nosappu	Japan	8.0	61	Aug 6	Aug 11	158	592	128	131
Vik 9	Russia	9.0	61	Aug 6	Aug 14	157	460	128	102
Mean						208	623		
L.S.D. (P = .05)						97	167		

Summary of Timothy Seed Yields  
 1984 Seeding Year  
 (Yields are shown as % of Climax)

Cultivar	Origin	B'lodge A		B'lodge B		Falher	Fort Vermilion		Gimle		High Level	All Locations (Average)	
		1985	1986	1985	1986		1985	1986	1985	1986		1985	1986
Adda	Iceland	187	308	192	229	(a)	357	269	273	181	(a)	252	247
Climax*	Canada	100	100	100	100		100	100	100	100		100	100
G	Hungary	123	188	128	157		179	120	156	150		147	154
Hokusyu	Japan	83	102	65	110		112	83	91	134		88	107
Jogeva 54	Russia	131	126	78	126		208	156	139	125		139	133
Korpa	Iceland	187	245	203	195		417	271	249	171		264	221
Mentor	Netherlands	184	161	163	152		266	227	254	147		217	172
Nosappu	Japan	93	102	80	104		166	144	128	131		117	120
Vik 9	Russia	117	133	85	94		237	159	128	102		142	122
Climax Yield in kg/ha		287	165	355	239		270	126	123	452		259	246

(a) Not seeded

Timothy  
 Test Site: Beaverlodge Research Station  
 Seeding Year: 1984

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Climax		Day Cut		(DM)	t/ha	% of Climax	
		1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Adda	Iceland	Jun 18	Jun 16	1.44	2.71	155	96	Aug 21	Aug 21	0.95	0.80	74	48
Climax*	Canada	Jun 18	Jun 16	0.93	2.81	100	100	Aug 21	Aug 21	1.29	1.68	100	100
G	Hungary	Jun 18	Jun 16	1.10	2.93	118	104	Aug 21	Aug 21	1.38	1.44	107	86
Hokussyu	Japan	Jun 18	Jun 16	0.66	2.14	71	76	Aug 21	Aug 21	1.13	1.32	88	79
Jogeva 54	Russia	Jun 18	Jun 16	0.92	2.82	99	100	Aug 21	Aug 21	1.31	0.98	102	58
Korpa	Iceland	Jun 18	Jun 16	0.96	3.00	103	107	Aug 21	Aug 21	1.10	0.85	85	51
Mentor	Netherlands	Jun 18	Jun 16	1.41	2.75	152	98	Aug 21	Aug 21	1.26	0.81	98	48
Nosappu	Japan	Jun 18	Jun 16	0.96	2.50	103	89	Aug 21	Aug 21	1.20	1.50	93	89
Vik 9	Russia	Jun 18	Jun 16	1.28	2.49	138	89	Aug 21	Aug 21	1.04	0.73	81	43
Mean				1.07	2.68					1.18	1.12		
L.S.D. (P = .05)				0.36	0.43					0.30	0.42		

Test Site: Beaverlodge B (Foster Farm)  
 Seeding Year: 1984

Adda	Iceland	Jun 17	Jun 17	1.46	3.64	92	78	Aug 19	Aug 18	1.01	1.31	70	60
Climax*	Canada	Jun 17	Jun 17	1.59	4.65	100	100	Aug 19	Aug 18	1.45	2.19	100	100
G	Hungary	Jun 17	Jun 17	1.52	4.20	96	90	Aug 19	Aug 18	1.17	1.81	81	83
Hokussyu	Japan	Jun 17	Jun 17	0.64	3.18	40	68	Aug 19	Aug 18	1.08	2.26	74	103
Jogeva 54	Russia	Jun 17	Jun 17	1.06	3.76	67	81	Aug 19	Aug 18	0.99	1.84	68	84
Korpa	Iceland	Jun 17	Jun 17	1.61	3.72	101	80	Aug 19	Aug 18	1.14	1.35	79	62
Mentor	Netherlands	Jun 17	Jun 17	1.75	4.00	110	86	Aug 19	Aug 18	1.24	1.42	86	65
Nosappu	Japan	Jun 17	Jun 17	1.14	3.68	72	79	Aug 19	Aug 18	1.18	2.04	81	93
Vik 9	Russia	Jun 17	Jun 17	1.22	3.76	77	81	Aug 19	Aug 18	0.80	1.67	55	76
Mean				1.33	3.84					1.12	1.76		
L.S.D. (P = .05)				0.46	0.61					0.27	0.47		

Timothy

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1984

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Climax		Day Cut		(DM)	t/ha	% of Climax	
		1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Adda	Iceland	Jun 10	Jun 9	2.74	1.52	147	116	Aug 13	Aug 19	2.18	0.77	123	39
Climax*	Canada	Jun 10	Jun 9	1.87	1.31	100	100	Aug 13	Aug 19	1.77	1.97	100	100
G	Hungary	Jun 10	Jun 9	2.42	1.74	129	133	Aug 13	Aug 19	2.05	1.66	116	84
Hokusyu	Japan	Jun 10	Jun 9	1.32	0.96	71	73	Aug 13	Aug 19	1.40	1.56	79	79
Jogeva 54	Russia	Jun 10	Jun 9	2.04	1.17	109	89	Aug 13	Aug 19	1.65	1.42	93	72
Korpa	Iceland	Jun 10	Jun 9	2.66	1.52	142	116	Aug 13	Aug 19	1.98	0.76	112	39
Mentor	Netherlands	Jun 10	Jun 9	2.31	1.41	124	108	Aug 13	Aug 19	1.88	0.90	106	46
Nosappu	Japan	Jun 10	Jun 9	1.82	1.46	97	111	Aug 13	Aug 19	1.89	1.16	107	59
Vik 9	Russia	Jun 10	Jun 9	2.41	1.34	129	102	Aug 13	Aug 19	1.95	0.74	110	38
Mean				2.18	1.38					1.86	1.21		
L.S.D. (P = .05)				0.26	0.38					0.40	0.50		

Test Site: Gimle (Driedger Farm)  
Seeding Year: 1984

Adda	Iceland	Jul 2	Jun 16	0.81	4.10	202	93	Aug 20	Aug 21	0.63	1.04	74	36
Climax*	Canada	Jul 2	Jun 16	0.40	4.41	100	100	Aug 20	Aug 21	0.85	2.90	100	100
G	Hungary	Jul 2	Jun 16	0.51	4.51	128	102	Aug 20	Aug 21	0.98	1.51	115	52
Hokusyu	Japan	Jul 2	Jun 16	0.26	3.22	65	73	Aug 20	Aug 21	0.63	2.44	74	84
Jogeva 54	Russia	Jul 2	Jun 16	0.46	4.33	115	98	Aug 20	Aug 21	0.67	2.12	79	73
Korpa	Iceland	Jul 2	Jun 16	0.62	4.71	155	107	Aug 20	Aug 21	0.60	1.85	71	64
Mentor	Netherlands	Jul 2	Jun 16	0.82	4.18	205	95	Aug 20	Aug 21	0.94	1.11	111	38
Nosappu	Japan	Jul 2	Jun 16	0.30	3.93	75	89	Aug 20	Aug 21	0.76	2.29	89	79
Vik 9	Russia	Jul 2	Jun 16	0.62	4.38	155	99	Aug 20	Aug 21	0.84	1.66	99	57
Mean				0.54	4.20					0.77	1.88		
L.S.D. (P = .05)				0.24	0.53					0.25	0.83		



Summary of Timothy Herbage Yields  
1984 Seeding Year - 1985 Harvest  
(Yields are shown as % of Climax)

Cultivar	Origin	B'lodge A		B'lodge B		Falher		Fort Vermilion		Gimle		High Level		All Locations (Average)	
		1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut
Adda	Iceland	155	74	92	70	(a)		147	123	202	74	(a)		149	85
Climax*	Canada	100	100	100	100			100	100	100	100			100	100
G	Hungary	118	107	96	81			129	116	128	115			118	105
Hokusyu	Japan	71	88	40	74			71	79	65	74			62	79
Jogeva 54	Russia	99	102	67	68			109	93	115	79			98	86
Korpa	Iceland	103	85	101	79			142	112	155	71			125	87
Mentor	Netherlands	152	98	110	86			124	106	205	111			148	100
Nosappu	Japan	103	93	72	81			97	107	75	89			87	93
Vik 9	Russia	138	81	77	55			129	110	155	99			125	86
Climax Yield in (DM) t/ha		0.93	1.29	1.59	1.45			1.87	1.77	0.40	0.85			1.20	1.34

(a) Not seeded

Summary of Timothy Herbage Yields  
 1984 Seeding Year - 1986 Harvest  
 (Yields are shown as % of Climax)

Cultivar	Origin	B'lodge A		B'lodge B		Falher		Fort Vermilion		Gimle		High Level		All Locations (Average)	
		1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut
Adda	Iceland	96	48	78	60	(a)		116	39	93	36	(a)		96	46
Climax*	Canada	100	100	100	100			100	100	100	100			100	100
G	Hungary	104	86	90	83			133	84	102	52			107	76
Hokusyu	Japan	76	79	68	103			73	79	73	84			73	86
Jogeva 54	Russia	100	58	81	84			89	72	98	73			92	72
Korpa	Iceland	107	51	80	62			116	39	107	64			103	54
Mentor	Netherlands	98	48	86	65			108	46	95	38			97	49
Nosappu	Japan	89	89	79	93			111	59	89	79			92	80
Vik 9	Russia	89	43	81	76			102	38	99	57			93	54
Climax Yield in (DM) t/ha		2.81	1.68	4.65	2.19			1.31	1.97	4.41	2.90			3.30	2.19

(a) Not seeded

## Red Clover

Test Site: Beaverlodge Research Station  
Seeding Year: 1984

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1985	1986	kg/ha		% of Altaswede	
						1985	1986	1985	1986
Altaswede*	Canada	8.0	48	Sep 24	Oct 6	580	241	100	100
Fanny 4n	Sweden	7.5	45	Sep 24	Oct 6	369	128	64	53
Fox	France	1.3	40	Sep 24	-	88	-	15	-
Hedda 4n	Sweden	6.8	52	Sep 24	Oct 6	338	165	58	68
Kora	Sweden	9.0	47	Sep 24	Oct 6	435	176	70	73
Matri 4n	East Germany	6.0	44	Sep 24	Oct 6	175	90	30	37
Molly 4n	Sweden	4.0	42	Sep 24	Oct 6	175	63	30	26
Napoca 4n	Romania	3.5	42	Sep 24	Oct 6	205	61	35	25
Norlac	Canada	8.5	40	Sep 24	Oct 6	495	213	85	88
Renova	Switzerland	2.5	35	Sep 24	Oct 6	147	12	25	5
Mean						301	128		
L.S.D. (P = .05)						200	61		

Test Site: Beaverlodge B (Foster Farm)  
Seeding Year: 1984

Altaswede*	Canada	8.0	51	Sep 24	Oct 6	305	249	100	100
Fanny 4n	Sweden	3.8	44	Sep 24	Oct 6	122	75	40	30
Fox	France	0	-	-	-	0	-	0	-
Hedda 4n	Sweden	4.5	52	Sep 24	Oct 6	130	87	43	35
Kora	Sweden	7.5	49	Sep 24	Oct 6	213	173	70	69
Matri 4n	East Germany	1.0	43	Sep 24	Oct 6	7	9	2	4
Molly 4n	Sweden	2.8	41	Sep 24	Oct 6	30	29	10	12
Napoca 4n	Romania	0	-	-	-	0	-	0	-
Norlac	Canada	8.3	41	Sep 24	Oct 6	318	227	104	91
Renova	Switzerland	0	-	-	-	0	-	0	-
Mean						161	121		
L.S.D. (P = .05)						100	55		

## Red Clover

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1984

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1985	1986	kg/ha		% of Altaswede	
						1985	1986	1985	1986
Altaswede*	Canada	7.4	51	Sep 9	Sep 22	350	198	100	100
Fanny 4n	Sweden	7.3	54	Sep 9	Sep 22	372	186	106	94
Fox	France	2.2	64	Sep 9	Sep 22	126	-	36	-
Hedda 4n	Sweden	7.2	64	Sep 9	Sep 22	333	269	95	136
Kora	Sweden	5.9	64	Sep 9	Sep 22	536	50	153	25
Matri 4n	East Germany	6.5	56	Sep 9	Sep 22	229	238	65	120
Molly 4n	Sweden	4.9	59	Sep 9	Sep 22	385	78	110	39
Napoca 4n	Romania	5.7	61	Sep 9	Sep 22	226	-	65	-
Norlac	Canada	6.6	50	Sep 9	Sep 22	491	329	140	166
Renova	Switzerland	4.7	55	Sep 9	Sep 22	125	-	36	-
Mean						317	193		
L.S.D. (P = .05)						125	164		

Summary of Red Clover Seed Yields  
1984 Seeding Year  
(Yields are shown as % of Altaswede)

Cultivar	Origin	B'lodge A		B'lodge B		Falher	Fort Vermilion		Gimle	High Level	All Locations (Average)	
		1985	1986	1985	1986		1985	1986			1985	1986
Altaswede*	Canada	100	100	100	100	(a)	100	100	(b)	(a)	100	100
Fanny 4n	Sweden	64	53	40	30		106	94			70	59
Fox	France	15	-	0	-		36	-			17	-
Hedda 4n	Sweden	58	68	43	35		95	136			65	80
Kora	Sweden	70	73	70	69		153	25			98	56
Matri 4n	East Germany	30	37	2	4		65	120			32	54
Molly 4n	Sweden	30	26	10	12		110	39			50	26
Napoca 4n	Romania	35	25	0	-		65	-			33	25
Norlac	Canada	85	88	104	91		140	166			110	115
Renova	Switzerland	25	5	0	-		36	-			20	5
Altaswede Yield in kg/ha		580	241	305	249		350	198			412	229

(a) Not seeded

(b) Complete winterkill

Red Clover  
 Test Site: Beaverlodge Research Station  
 Seeding Year: 1984

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Altaswede		Day Cut		(DM)	t/ha	% of Altaswede	
		1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Altaswede*	Canada	Jun 26	Jul 2	2.20	2.53	100	100	Sep 12	Oct 6	2.49	1.08	100	100
Fanny 4n	Sweden	Jun 26	Jul 2	1.13	2.47	51	98	Sep 12	Oct 6	3.14	1.34	126	124
Fox	France	Jun 26	-	0.03	-	1	-	Sep 12	-	0.43	-	17	-
Hedda 4n	Sweden	Jun 26	Jul 2	1.03	3.40	47	134	Sep 12	Oct 6	2.79	1.29	112	119
Kora	Sweden	Jun 26	Jun 26	0.82	3.45	37	136	Sep 12	Oct 6	3.09	1.01	124	94
Matri 4n	East Germany	Jun 26	Jun 26	0.79	0.98	36	39	Sep 12	Oct 6	3.06	1.47	123	136
Molly 4n	Sweden	Jun 26	Jun 26	0.58	0.54	26	21	Sep 12	Oct 6	3.31	0.93	133	86
Napoca 4n	Romania	Jun 26	Jul 2	0.37	0.26	17	10	Sep 12	Oct 6	2.85	0.89	114	82
Norlac	Canada	Jun 26	Jun 26	0.70	2.80	32	111	Sep 12	Oct 6	2.01	0.87	81	81
Renova	Switzerland	Jun 26	Jul 2	0.08	0.09	4	4	Sep 12	Oct 6	1.07	0.39	43	36
Mean				0.77	1.84					2.42	1.03		
L.S.D. (P = .05)				1.04	0.91					1.17	0.48		

Test Site: Beaverlodge B (Foster Farm)  
 Seeding Year: 1984

Altaswede*	Canada	Jul 2	Jul 2	0.46	3.98	100	100	Sep 24	Oct 6	1.37	2.09	100	100
Fanny 4n	Sweden	Jul 2	Jul 2	0.43	3.18	93	80	Sep 24	Oct 6	0.97	1.56	71	75
Hedda 4n	Sweden	Jul 2	Jul 2	0.58	2.73	126	69	Sep 24	Oct 6	1.07	1.56	78	75
Kora	Sweden	Jul 2	Jul 2	0.82	3.15	178	79	Sep 24	Oct 6	1.20	1.61	88	77
Matri 4n	East Germany	Jul 2	Jul 2	0.06	0.24	13	6	Sep 24	Oct 6	0.15	0.32	11	15
Molly 4n	Sweden	Jul 2	Jul 2	0.26	1.17	57	29	Sep 24	Oct 6	0.65	1.08	47	52
Norlac	Canada	Jul 2	Jul 2	0.80	3.18	174	80	Sep 24	Oct 6	0.85	1.27	62	61
Mean				0.34	2.52					0.90	1.36		
L.S.D. (P = .05)				0.36	1.33					0.64	0.78		

Red Clover

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1984

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Altaswede		Day Cut		(DM)	t/ha	% of Altaswede	
		1985	1986			1985	1986	1985	1986			1985	1986
Altaswede*	Canada	Jun 24	Jul 7	3.92	3.22	100	100	Sep 9	Sep 22	2.39	4.01	100	100
Fanny 4n	Sweden	Jun 24	Jul 7	3.21	3.55	82	110	Sep 9	Sep 22	2.75	6.49	115	162
Fox	France	Jun 24	-	0.35	-	9	-	Sep 9	-	1.44	-	60	-
Hedda 4n	Sweden	Jun 24	Jul 7	5.21	3.79	133	118	Sep 9	Sep 22	2.91	6.43	122	160
Kora	Sweden	Jun 24	Jul 7	2.34	1.07	60	33	Sep 9	Sep 22	2.29	3.40	96	85
Matri 4n	East Germany	Jun 24	Jul 7	2.98	1.21	76	38	Sep 9	Sep 22	2.26	3.70	95	92
Molly 4n	Sweden	Jun 24	-	2.76	-	70	-	Sep 9	-	2.67	-	112	-
Napoca 4n	Romania	Jun 24	Jul 7	2.38	0.78	61	24	Sep 9	Sep 22	3.00	1.75	126	44
Norlac	Canada	Jun 24	Jul 7	4.15	2.69	106	84	Sep 9	Sep 22	2.00	4.64	84	116
Renova	Switzerland	Jun 24	-	1.10	-	28	-	Sep 9	-	2.46	-	103	-
Mean				2.84	2.33					2.42	4.34		
L.S.D. (P = .05)				0.93	2.27					0.95	3.38		

Summary of Red Clover Herbage Yields  
1984 Seeding Year - 1985 Harvest  
(Yields are shown as % of Altaswede)

Cultivar	Origin	B'lodge A		B'lodge B		Falher		Fort Vermilion		Gimle		High Level		All Locations (Average)	
		1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut
Altaswede*	Canada	100	100	100	100	(a)		100	100	(b)		(a)		100	100
Fanny 4n	Sweden	51	126	93	71			82	115					75	104
Fox	France	1	17	0	0			9	60					3	26
Hedda 4n	Sweden	47	112	126	78			133	122					102	104
Kora	Sweden	37	124	178	88			60	96					92	103
Matri 4n	East Germany	36	123	13	11			76	95					42	76
Molly 4n	Sweden	26	133	57	47			70	112					51	97
Napoca 4n	Romania	17	114	0	0			61	126					26	80
Norlac	Canada	32	81	174	62			106	84					104	76
Renova	Switzerland	4	43	0	0			28	103					11	49
Altaswede Yield in (DM) t/ha		2.20	2.49	0.46	1.37			3.92	2.39					2.19	2.08

(a) Not seeded

(b) Complete winterkill



Summary of Red Clover Herbage Yields  
 1984 Seeding Year - 1986 Harvest  
 (Yields are shown as % of Altaswede)

Cultivar	Origin	B'lodge A		B'lodge B		Falher		Fort Vermillion		Gimle		High Level		All Locations (Average)	
		1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut	1st Cut	2nd Cut
Altaswede*	Canada	100	100	100	100	(a)		100	100	(b)		(a)		100	100
Fanny 4n	Sweden	98	124	80	75			110	162					96	120
Fox	France	-	-	-	-			-	-					-	-
Hedda 4n	Sweden	134	119	69	75			118	160					107	118
Kora	Sweden	136	94	79	77			33	85					83	85
Matri 4n	East Germany	39	136	6	15			38	92					28	81
Molly 4n	Sweden	21	86	29	52			-	-					25	69
Napoca 4n	Romania	10	82	-	-			24	44					17	63
Norlac	Canada	111	81	80	61			84	116					92	86
Renova	Switzerland	4	36	-	-			-	-					4	36
Altaswede Yield in (DM) t/ha		2.53	1.08	3.98	2.09			3.22	4.01					3.24	2.39

(a) Not seeded

(b) Complete winterkill