

Summary of Red Fescue Herbage Yields  
1982 Seeding Year - 1983 Harvest  
(Yields are shown as % of Boreal)

Cultivar	Origin	B'lodge A		B'lodge B		Falter		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
Boreal*	(3) Canada	100	100	(a)		(b)		100	(c)	100	100	(b)		100	100
Carlawn	(3) Canada	110	73					75		117	98			101	86
Fidelimo	(1) Netherlands	31	15					15		33	26			26	21
Leik	(3) Norway	185	55					135		130	56			150	56
Luster	(1) Netherlands	8	14					18		45	32			24	23
Milda	(3) France	28	45					40		81	140			50	93
Oasis	(2) Netherlands	15	53					18		52	79			28	66
Valaska	(4) Czechoslovakia	90	36					40		99	56			76	41
Zernickower	(3) East Germany	72	67					135		109	104			105	86
Boreal Yield in (DM) t/ha		0.39	1.90					0.40		0.69	0.57			0.49	1.24

(1) Rhizomes absent or rudimentary  
(2) Slender rhizomes

(3) Strong rhizomes  
(4) Unclassified

(a) Not seeded in 1982  
(b) No stand establishment in 1982  
(c) Second cut not taken due to drought

Summary of Red Fescue Herbage Yields  
1982 Seeding Year - 1984 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
Boreal*	(3) Canada	100	100	(a)		(b)		100	100	100	100	(b)		100	100
Carlawn	(3) Canada	77	132					91	101	79	121			82	118
Fidelimo	(1) Netherlands	106	100					37	28	97	87			80	72
Leik	(3) Norway	124	108					85	93	114	85			108	95
Luster	(1) Netherlands	88	116					56	29	116	75			87	73
Milda	(3) France	55	112					52	74	77	140			61	109
Oasis	(2) Netherlands	77	147					44	100	77	110			66	119
Valaska	(4) Czechoslovakia	155	93					93	60	151	65			133	73
Zernickower	(3) East Germany	74	143					94	95	91	106			86	115
Boreal Yield in (DM) t/ha		2.33	0.76					3.62	2.65	1.88	0.48			2.61	1.30

(1) Rhizomes absent or rudimentary  
(2) Slender rhizomes

(3) Strong rhizomes  
(4) Unclassified

(a) Not seeded in 1982  
(b) No stand establishment in 1982

Timothy

Test Site: Beaverlodge Research Station  
Seeding Year: 1982

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1983	1984	kg/ha		% of Climax	
				1983	1984	1983	1984	1983	1984
Alpage	France	9.0	94	Aug 27	Aug 14	143	771	92	118
Climax*	Canada	9.0	95	Aug 30	Aug 14	156	653	100	100
Hokusyu	Japan	9.0	88	Aug 22	Aug 17	232	612	149	94
Korpa	Iceland	9.0	91	Aug 17	Aug 11	700	1235	449	189
Lacombe Composite	Canada	9.0	99	Aug 17	Aug 9	277	922	178	141
Ludor	France	9.0	87	Sep 6	Aug 15	87	530	56	81
Melora	Netherlands	9.0	83	Aug 20	Aug 17	304	583	195	89
Nosappu	Japan	9.0	98	Aug 27	Aug 9	280	927	179	142
Salvo	Canada	9.0	92	Sep 1	Aug 9	75	340	48	52
Mean						250	730		
L.S.D. (P = .05)						135	183		

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1982

Alpage	France	9.0	79	Aug 15	Aug 8	213	486	121	116
Climax*	Canada	9.0	83	Aug 15	Aug 8	176	420	100	100
Hokusyu	Japan	9.0	73	Aug 15	Aug 8	196	415	111	99
Korpa	Iceland	9.0	75	Aug 15	Aug 8	368	543	209	129
Lacombe Composite	Canada	9.0	82	Aug 15	Aug 8	283	520	161	124
Ludor	France	9.0	75	Aug 15	Aug 8	68	251	39	60
Melora	Netherlands	9.0	72	Aug 15	Aug 8	145	365	82	87
Nosappu	Japan	9.0	87	Aug 15	Aug 8	188	456	109	109
Salvo	Canada	9.0	83	Aug 15	Aug 8	86	283	49	67
Mean						191	415		
L.S.D. (P = .05)						48	80		

Timothy		Test Site: Gimle Seeding Year: 1982				Seed Yield			
Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		kg/ha		% of Climax	
				1983	1984	1983	1984	1983	1984
Alpage	France	9.0	90	Aug 18	Aug 15	356	392	124	107
Climax*	Canada	9.0	95	Aug 10	Aug 15	288	368	100	100
Hokusyu	Japan	9.0	80	Aug 18	Aug 16	196	272	68	74
Korpa	Iceland	9.0	93	Aug 10	Aug 9	567	543	197	148
Lacombe Composite	Canada	9.0	97	Aug 18	Aug 15	542	524	188	142
Ludor	France	9.0	86	Aug 18	Aug 15	169	231	59	63
Melora	Netherlands	9.0	82	Aug 18	Aug 16	306	257	106	70
Nosappu	Japan	9.0	98	Aug 10	Aug 9	324	426	113	116
Salvo	Canada	9.0	91	Aug 5	Aug 9	162	230	56	63
Mean						323	360		
L.S.D. (P = .05)						91	49		

Summary of Timothy Seed Yields  
1982 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)	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Alpage	France	92	118	(a)		(b)		121	116	124	107	(b)		112	114
Climax*	Canada	100	100					100	100	100	100			100	100
Hokusyu	Japan	149	94					111	99	68	74			109	89
Korpa	Iceland	449	189					209	129	197	148			285	155
Lacombe Composite	Canada	178	141					161	124	188	142			176	136
Ludor	France	56	81					39	60	59	63			51	68
Melora	Netherlands	195	89					82	87	106	70			128	82
Nosappu	Japan	179	142					109	109	113	116			134	122
Salvo	Canada	48	52					49	67	56	63			51	61
Climax Yield in kg/ha		156	653					176	420	288	368			207	480

(a) Not seeded in 1982

(b) No stand establishment in 1982

Test Site: Beaverlodge Research Station  
Seeding Year: 1982

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Climax		Day Cut		(DM)	t/ha	% of Climax	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Alpage	France	Jun 23	Jun 14	0.50	1.85	57	102	Aug 18	Aug 16	3.18	1.22	106	90
Climax*	Canada	Jun 23	Jun 14	0.88	1.81	100	100	Aug 18	Aug 16	2.99	1.36	100	100
Hokusyu	Japan	Jun 23	Jun 14	0.91	1.36	103	75	Aug 18	Aug 16	3.11	1.31	104	96
Korpa	Iceland	Jun 23	Jun 14	0.34	1.31	39	72	Aug 18	Aug 16	1.27	1.15	42	85
Lacombe Composite	Canada	Jun 23	Jun 14	1.61	2.23	183	123	Aug 18	Aug 16	3.24	1.15	108	85
Ludor	France	Jun 23	Jun 14	0.11	1.00	13	55	Aug 18	Aug 16	1.99	0.94	67	69
Melora	Netherlands	Jun 23	Jun 14	0.38	1.32	43	73	Aug 18	Aug 16	2.53	1.16	85	85
Nosappu	Japan	Jun 23	Jun 14	0.74	1.97	84	109	Aug 18	Aug 16	3.52	1.10	118	81
Salvo	Canada	Jun 23	Jun 14	0.60	2.20	68	122	Aug 18	Aug 16	3.50	1.43	117	105
Mean				0.67	1.67					2.81	1.20		
L.S.D. (P = .05)				0.39	0.40					1.31	0.43		

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1982

Alpage	France	Jun 27	Jun 11	1.64	3.17	99	93	Aug 15	Aug 13	0.39	2.19	100	88
Climax*	Canada	Jun 27	Jun 11	1.66	3.40	100	100	Aug 15	Aug 13	0.39	2.50	100	100
Hokusyu	Japan	Jun 27	Jun 11	1.28	2.46	77	72	Aug 15	Aug 13	0.33	2.76	85	110
Korpa	Iceland	Jun 27	Jun 11	2.63	3.23	158	95	Aug 15	Aug 13	0.22	2.16	56	86
Lacombe Composite	Canada	Jun 27	Jun 11	2.26	3.55	136	104	Aug 15	Aug 13	0.43	2.31	110	92
Ludor	France	Jun 27	Jun 11	1.13	2.68	68	79	Aug 15	Aug 13	0.22	2.51	56	100
Melora	Netherlands	Jun 27	Jun 11	1.31	2.74	79	81	Aug 15	Aug 13	0.16	2.39	41	96
Nosappu	Japan	Jun 27	Jun 11	1.53	3.62	92	106	Aug 15	Aug 13	0.50	2.50	128	100
Salvo	Canada	Jun 27	Jun 11	1.36	3.35	82	99	Aug 15	Aug 13	0.32	2.55	82	102
Mean				1.64	3.13					0.33	2.43		
L.S.D. (P = .05)				0.52	0.49					0.17	0.46		

Timothy		Test Site: Gimle Seeding Year: 1982											
Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Climax		Day Cut		(DM)	t/ha	% of Climax	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Alpage	France	Jun 22	Jun 14	1.29	0.98	101	90	Aug 19	Aug 16	1.06	0.64	73	96
Climax*	Canada	Jun 22	Jun 14	1.28	1.09	100	100	Aug 19	Aug 16	1.45	0.67	100	100
Hokusyu	Japan	Jun 22	Jun 14	0.87	0.80	68	73	Aug 19	Aug 16	1.65	1.06	114	158
Korpa	Iceland	Jun 22	Jun 14	1.30	0.76	102	70	Aug 19	Aug 16	0.43	0.56	30	84
Lacombe Composite	Canada	Jun 22	Jun 14	1.53	1.04	120	95	Aug 19	Aug 16	1.02	0.63	70	94
Ludor	France	Jun 22	Jun 14	0.94	0.97	73	89	Aug 19	Aug 16	1.31	0.71	90	106
Melora	Netherlands	Jun 22	Jun 14	1.05	0.76	82	70	Aug 19	Aug 16	1.42	0.67	98	100
Nosappu	Japan	Jun 22	Jun 14	1.36	1.42	106	130	Aug 19	Aug 16	1.14	0.49	79	73
Salvo	Canada	Jun 22	Jun 14	1.30	1.54	102	141	Aug 19	Aug 16	1.68	0.66	116	99
Mean				1.21	1.04					1.24	0.68		
L.S.D. (P = .05)				0.31	0.23					0.48	0.22		

Summary of Timothy Herbage Yields  
 1982 Seeding Year - 1983 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
Alpage	France	57	106	(a)		(b)		99	100	101	73	(b)		86	93
Climax*	Canada	100	100					100	100	100	100			100	100
Hokusyu	Japan	103	104					77	85	68	114			83	101
Korpa	Iceland	39	42					158	56	102	30			100	43
Lacombe Composite	Canada	183	108					136	110	120	70			146	96
Ludor	France	13	67					68	56	73	90			51	71
Melora	Netherlands	43	85					79	41	82	98			68	75
Nosappu	Japan	84	118					92	128	106	79			94	108
Salvo	Canada	68	117					82	82	102	116			84	105
Climax Yield in (DM) t/ha		0.88	2.99					1.66	0.39	1.28	1.45			1.27	1.61

(a) Not seeded in 1982

(b) No stand establishment in 1982

Summary of Timothy Herbage Yields  
 1982 Seeding Year - 1984 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
Alpage	France	102	90	(a)		(b)		93	88	90	96	(b)		95	91
Climax*	Canada	100	100					100	100	100	100			100	100
Hokusyu	Japan	75	96					72	110	73	158			73	121
Korpa	Iceland	72	85					95	86	70	84			79	85
Lacombe Composite	Canada	123	85					104	92	95	94			107	90
Ludor	France	55	69					79	100	89	106			74	92
Melora	Netherlands	73	85					81	96	70	100			75	94
Nosappu	Japan	109	81					106	100	130	73			115	85
Salvo	Canada	122	105					99	102	141	99			121	102
Climax Yield in (DM) t/ha		1.81	1.36					3.40	2.50	1.09	0.67			2.10	1.51

(a) Not seeded in 1982

(b) No stand establishment in 1982

## Alfalfa

Test Site: Beaverlodge Research Station  
Seeding Year: 1983

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Cultivar	Origin	Hardiness	Height (cm)	Date Ripe	Seed Yield	
					kg/ha 1984	% of Beaver
Anik	Canada	9	58	Sep 19	280	151
Backa	Yugoslavia	9	68	Sep 19	56	30
Baker	United States	9	67	Sep 19	197	106
Banat	Yugoslavia	9	65	Sep 19	71	38
Beaver*	Canada	9	65	Sep 19	186	100
Belfeuil	France	9	65	Sep 19	176	95
Cayuga	United States	9	60	Sep 19	30	16
Cherokee	United States	9	62	Sep 19	118	63
Delta	Italy	9	65	Sep 19	19	10
Derby	France	9	73	Sep 19	245	132
DuPuits	France	9	63	Sep 19	211	113
Euver	France	9	62	Sep 19	124	67
Everest	France	9	63	Sep 19	153	82
Jade	France	9	63	Sep 19	199	107
Kara	France	9	67	Sep 19	324	174
KM-Hybridalfa	Hungary	9	60	Sep 19	39	21
Lutece	France	9	67	Sep 19	146	78
O.A.C. Minto	Canada	9	70	Sep 19	222	119
Orchesienne	France	9	68	Sep 19	173	93
Peace	Canada	9	60	Sep 19	131	70
Perry	United States	9	63	Sep 19	161	87
Prescot	Denmark	9	60	Sep 19	95	51
Ranger	United States	9	65	Sep 19	76	41
Saranac	United States	9	65	Sep 19	286	154
Sitel	France	9	62	Sep 19	206	111
Spredor 2	United States	9	63	Sep 19	139	75
Szarvasi 1	Hungary	9	67	Sep 19	186	100
Szarvasi 6	Hungary	9	58	Sep 19	56	30
Teton	United States	9	55	Sep 19	147	79
Trumpetor	Canada	9	68	Sep 19	205	110
Veko	Denmark	9	63	Sep 19	131	70
Vela	Denmark	9	65	Sep 19	335	180
Verko	Hungary	9	62	Sep 19	78	42
Verneuil	France	9	68	Sep 19	114	61
Vrsac	Yugoslavia	9	68	Sep 19	54	29
Zia	United States	9	65	Sep 19	52	28
123	United States	9	62	Sep 19	143	77
Mean					150	
L.S.D. (P = .05)					97	

Test Site: Beaverlodge Research Station  
Seeding Year: 1983

## Alfalfa

Cultivar	Origin	1st Herbage Yield			2nd Herbage Yield		
		Day Cut	(DM) t/ha	% of Beaver	Day Cut	(DM) t/ha	% of Beaver
Anik	Canada	Jun 25	2.75	75	Sep 17	0.53	37
Backa	Yugoslavia	Jun 25	2.78	76	Sep 17	1.45	101
Baker	United States	Jun 25	3.07	84	Sep 17	1.33	93
Banat	Yugoslavia	Jun 25	2.75	75	Sep 17	1.26	88
Beaver*	Canada	Jun 25	3.65	100	Sep 17	1.43	100
Belfeuil	France	Jun 25	3.88	106	Sep 17	1.79	125
Cayuga	United States	Jun 25	2.57	70	Sep 17	0.91	64
Cherokee	United States	Jun 25	2.81	77	Sep 17	1.41	99
Delta	Italy	Jun 25	2.68	73	Sep 17	1.16	81
Derby	France	Jun 25	3.34	92	Sep 17	1.30	91
DuPuits	France	Jun 25	3.14	86	Sep 17	1.58	110
Euver	France	Jun 25	2.91	80	Sep 17	1.53	107
Everest	France	Jun 25	3.06	84	Sep 17	1.31	92
Jade	France	Jun 25	2.80	77	Sep 17	1.45	101
Kara	France	Jun 25	2.81	77	Sep 17	1.49	104
KM-Hybridalfa	Hungary	Jun 25	3.09	85	Sep 17	1.14	80
Lutece	France	Jun 25	3.82	105	Sep 17	1.58	110
O.A.C. Minto	Canada	Jun 25	2.94	81	Sep 17	1.44	101
Orchesienne	France	Jun 25	3.24	89	Sep 17	1.53	107
Peace	Canada	Jun 25	4.24	116	Sep 17	1.20	84
Perry	United States	Jun 25	3.67	101	Sep 17	1.34	94
Prescot	Denmark	Jun 25	3.56	98	Sep 17	1.37	96
Ranger	United States	Jun 25	2.70	74	Sep 17	1.09	76
Saranac	United States	Jun 25	3.14	86	Sep 17	1.48	103
Sitel	France	Jun 25	3.09	85	Sep 17	1.36	95
Spredor 2	United States	Jun 25	2.85	78	Sep 17	1.07	75
Szarvasi 1	Hungary	Jun 25	3.41	93	Sep 17	1.39	97
Szarvasi 6	Hungary	Jun 25	2.62	72	Sep 17	1.15	80
Teton	United States	Jun 25	2.88	79	Sep 17	0.68	48
Trumpetor	Canada	Jun 25	3.34	92	Sep 17	2.13	149
Veko	Denmark	Jun 25	3.72	102	Sep 17	1.44	101
Vela	Denmark	Jun 25	3.29	90	Sep 17	1.53	107
Verko	Hungary	Jun 25	4.17	114	Sep 17	1.71	120
Verneuil	France	Jun 25	3.19	87	Sep 17	1.63	114
Vrsac	Yugoslavia	Jun 25	3.26	89	Sep 17	1.29	90
Zia	United States	Jun 25	2.43	66	Sep 17	0.82	57
123	United States	Jun 25	2.31	63	Sep 17	1.30	91
Mean			3.15			1.34	
L.S.D. (P = .05)			0.94			0.49	

## Red Clover

Test Site: Beaverlodge Research Station  
Seeding Year: 1982

Cultivar	Origin	Hardiness		Height (cm)	Date Ripe		Seed Yield			
		1983	1984		1983	1984	kg/ha		% of Atlaswede	
							1983	1984	1983	1984
Atlaswede*	Canada	7.8	7.0	65	Sep 21	(a)	396	(a)	100	(a)
Florex	United States	4.3	1.3	45	Sep 21		124		31	
Florie	United States	3.5	0.8	44	Sep 21		68		17	
Gollum	Denmark	7.0	2.5	54	Sep 21		337		85	
Marino	East Germany	4.8	1.0	41	Sep 21		138		35	
Palna	Denmark	5.8	2.3	53	Sep 21		360		91	
Sara 4n	Sweden	5.3	1.0	58	Sep 21		146		37	
Tristan	United States	3.5	1.3	35	Sep 21		85		21	
Mean							207			
L.S.D. (P = .05)							88			

Test Site: Gimle  
Seeding Year: 1982

Atlaswede*	Canada	9.0	8.3	76	Sep 20	Aug 20	206	441	100	100
Florex	United States	9.0	6.0	59	Sep 20	Aug 20	65	536	32	122
Florie	United States	8.8	4.5	50	Sep 20	Aug 20	48	293	23	66
Gollum	Denmark	9.0	6.0	70	Sep 20	Aug 20	126	449	61	102
Marino	East Germany	8.8	4.5	59	Sep 20	Aug 20	80	216	39	49
Palna	Denmark	8.8	6.8	71	Sep 20	Aug 20	124	503	60	114
Sara 4n	Sweden	8.8	3.8	74	Sep 20	Aug 20	51	332	25	75
Tristan	United States	9.0	5.0	54	Sep 20	Aug 20	79	350	38	79
Mean							97	390		
L.S.D. (P = .05)							58	112		

(a) Seed not harvested

Summary of Red Clover Seed Yields  
1982 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)	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Altaswede*	Canada	100	(d)	(a)		(b)		(c)		100	100	(b)		100	100
Florex	United States	31								32	122			32	122
Florie	United States	17								23	66			20	66
Gollum	Denmark	85								61	102			73	102
Marino	East Germany	35								39	49			37	49
Palna	Denmark	91								60	114			76	114
Sara 4n	Sweden	37								25	75			31	75
Tristan	United States	21								38	79			30	79
Altaswede Yield in kg/ha		396								206	441			301	441

- (a) Not seeded in 1982  
(b) No stand establishment in 1982  
(c) Complete winterkill  
(d) Seed not harvested

Red Clover

Test Site: Beaverlodge Research Station  
Seeding Year: 1982

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Altaswede		Day Cut		(DM)	t/ha	% of Altaswede	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Altaswede*	Canada	Jul 19	(a)	3.45		100		Sep 21	(a)	2.41		100	
Florex	United States	Jul 8		0.99		29		Sep 21		3.81		158	
Florie	United States	Jul 5		0.30		9		Sep 21		2.64		110	
Gollum	Denmark	Jul 19		1.76		51		Sep 21		1.57		65	
Marino	East Germany	Jun 30		0.31		9		Sep 21		3.73		155	
Palna	Denmark	Jul 13		1.75		51		Sep 21		2.59		107	
Sara 4n	Sweden	Jul 19		2.39		69		Sep 21		1.88		78	
Tristan	United States	Jun 30		0.22		6		Sep 21		3.29		137	
Mean				1.39						2.74			
L.S.D. (P = .05)				1.05						1.13			

Test Site: Gimle  
Seeding Year: 1982

Altaswede*	Canada	Jul 13	Jun 28	4.32	3.51	100	100	Sep 19	Aug 20	1.64	0.87	100	100
Florex	United States	Jun 29	Jun 28	2.22	1.74	51	50	Sep 19	Aug 20	3.42	1.13	209	130
Florie	United States	Jun 29	Jun 28	1.23	1.00	28	28	Sep 19	Aug 20	3.82	1.41	233	162
Gollum	Denmark	Jul 13	Jun 28	2.96	1.06	69	30	Sep 19	Aug 20	1.87	0.89	114	102
Marino	East Germany	Jun 29	Jun 28	1.25	0.87	29	25	Sep 19	Aug 20	2.00	1.48	122	170
Palna	Denmark	Jul 13	Jun 28	2.97	1.44	69	41	Sep 19	Aug 20	2.26	0.88	138	101
Sara 4n	Sweden	Jul 13	Jun 28	3.97	0.67	92	19	Sep 19	Aug 20	1.62	0.80	99	92
Tristan	United States	Jun 29	Jun 28	1.24	1.22	29	35	Sep 19	Aug 20	3.27	1.50	199	172
Mean				2.52	1.44					2.49	1.12		
L.S.D. (P = .05)				0.65	0.81					1.49	0.35		

(a) Herbage not taken

Summary of Red Clover Herbage Yields  
 1982 Seeding Year - 1983 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	(a)		(b)		(c)		100	100	(b)		100	100
Florex	United States	29	158							51	209			40	184
Florie	United States	9	110							28	233			19	172
Gollum	Denmark	51	65							69	114			60	90
Marino	East Germany	9	155							29	122			19	139
Palna	Denmark	51	107							69	138			60	123
Sara 4n	Sweden	69	78							92	99			81	89
Tristan	United States	6	137							29	199			18	168
Altaswede Yield in (DM) t/ha		3.45	2.41							4.32	1.64			3.89	2.03

(a) Not seeded in 1982

(b) No stand establishment in 1982

(c) Complete winterkill

**B**

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating		Herbage Yield Rating		
					1983	1984	1983	1984	
Bluegrass, Kentucky ( <u>Poa pratensis</u> L.)									
	Barzan	Netherlands	5.0	48	3.0	3.0	1.0	2.0	
	Bono	Canada	5.0	61	2.0	3.5	3.0	3.0	
	Entopper	Netherlands	5.0	55	2.0	5.0	2.0	3.0	
	Glade	United States	5.0	59	1.0	3.0	1.0	2.0	
	#171	Finland	5.0	63	3.5	5.0	3.5	4.0	
	Park*	United States	5.0	71	4.0	3.5	3.5	4.5	
	Petit	Denmark	5.0	59	2.0	3.0	2.0	2.5	
	Reubens (1)	United States	5.0	50	4.0	5.0	3.5	3.5	
	Ryosti	Finland	5.0	70	5.0	5.0	5.0	3.0	
	* Park (Yield in kg/ha)					522			
	(1) Canada Bluegrass ( <u>Poa compressa</u> L.)								
Bromegrass, Smooth ( <u>Bromus inermis</u> Leyss.)									
	Bromex	United States	5.0	111	4.5	1.5	4.0	3.5	
	Carlton*	Canada	5.0	113	5.0	4.0	5.0	4.5	
	Lofar	Norway	5.0	115	3.5	3.5	4.0	4.5	
	S-8778	Canada	5.0	119	4.5	3.5	4.5	4.5	
	S-8792	Canada	5.0	123	5.0	3.0	5.0	4.5	
	WWF 73	Sweden	4.0	115	2.0	4.5	2.0	4.0	
	WWF 74	Sweden	5.0	113	1.5	3.5	2.5	4.0	
	WWF 75	Sweden	2.8	108	1.5	1.5	1.0	2.0	
	WWF 76	Sweden	5.0	107	1.5	3.0	2.0	3.0	
	* Carlton (Yield in kg/ha)					552			

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating		Herbage Yield Rating		
					1983	1984	1983	1984	
Fescue, Meadow ( <i>Festuca pratensis</i> Huds.; <i>F. elatior</i> auct.)									
	Barnardo	Netherlands	5.0	85	3.0	4.5	3.5	3.5	
	Barracuda	Netherlands	5.0	88	3.0	5.0	2.0	3.5	
	First	Japan	5.0	103	5.0	4.5	5.0	4.5	
	Kalevi	Finland	5.0	94	5.0	4.5	5.0	4.0	
	Lifesta	West Germany	5.0	93	4.5	5.0	4.5	4.5	
	Mimer*	Sweden	5.0	96	4.5	4.0	4.0	5.0	
	N 208	West Germany	5.0	97	4.5	4.5	4.5	4.5	
	N 209	West Germany	5.0	94	3.5	4.5	4.0	5.0	
	N 211	West Germany	5.0	87	4.0	4.0	3.5	4.0	
	VG 01259	Sweden	4.8	90	4.5	5.0	4.0	5.0	
	WWAS 6-70	Sweden	5.0	92	3.0	3.5	3.5	4.0	
	* Mimer (Yield in kg/ha)					842			
Fescue, Red ( <i>Festuca rubra</i> L.)									
	BAR FRC 78 (3)	Netherlands	5.0	67	2.0	3.5	2.0	4.5	
	Boreal* (3)	Canada	5.0	78	5.0	4.5	4.5	5.0	
	Dorado (1)	West Germany	5.0	71	1.0	4.5	1.5	4.5	
	Feru 0305 (3)	Iceland	5.0	59	1.0	4.0	1.5	2.5	
	FRT 3 (3)	Netherlands	5.0	49	3.0	2.5	3.0	3.0	
	Islandic (3)	Netherlands	5.0	75	3.5	3.5	3.5	4.5	
	Leik (3)	Norway	5.0	76	3.5	5.0	4.5	5.0	
	Lovisa (2)	Sweden	5.0	65	3.0	4.0	3.0	4.5	
	Ludivine (1)	France	5.0	64	1.0	4.0	2.0	5.0	
	M6-8537 (4)	United Kingdom	5.0	62	1.0	1.0	1.5	2.0	
	M6-8754 (4)	United Kingdom	5.0	55	1.0	2.0	1.0	1.5	
	M6-8755 (4)	United Kingdom	5.0	54	1.0	1.5	1.0	2.0	
	Meldal (3)	Norway	5.0	73	1.0	4.0	1.0	4.0	
	MOM FRR 25 (3)	Netherlands	5.0	64	1.0	4.0	1.0	4.0	

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating		Herbage Yield Rating		
					1983	1984	1983	1984	
Fescue, Red ( <i>Festuca rubra</i> L.) cont'd									
	N 105	(3)	West Germany	5.0	70	2.0	3.5	3.0	4.0
	N 106	(3)	West Germany	5.0	67	2.0	4.0	2.0	4.5
	N 120	(3)	West Germany	5.0	69	3.0	4.0	3.5	5.0
	N 124	(3)	West Germany	5.0	70	4.0	3.0	4.5	3.5
	N 125	(3)	West Germany	5.0	72	3.5	3.5	3.0	3.5
	Oasis	(2)	Netherlands	5.0	70	2.5	3.0	3.0	4.0
	Regand	(1)	West Germany	5.0	58	1.0	2.5	1.5	4.0
	Satin	(2)	Sweden	5.0	72	4.5	3.0	4.0	4.5
	Singsas	(3)	Norway	5.0	68	2.5	5.0	2.5	4.0
	WWS 107	(3)	Sweden	5.0	68	2.5	5.0	2.0	5.0
	WWS 108	(3)	Sweden	5.0	63	2.5	4.0	2.5	3.5
	WWS 110	(3)	Sweden	5.0	63	2.5	3.5	3.0	3.0
	WWS 111	(3)	Sweden	5.0	67	1.5	3.0	1.5	2.5
	WWS 112	(3)	Sweden	5.0	68	3.0	5.0	3.5	4.0
	WWS 113	(3)	Sweden	5.0	63	2.5	3.0	3.0	3.5
	WWS 114	(1)	Sweden	5.0	70	2.5	4.5	3.5	4.0
	* Boreal (Yield in kg/ha)						937		
	(1) Rhizomes absent or rudimentary								
	(2) Slender rhizomes								
	(3) Strong rhizomes								
	(4) Unclassified								
Orchardgrass ( <i>Dactylis glomerata</i> L.)									
	Barata		Netherlands	4.0	92	1.0	1.0	2.0	2.5
	Comet		United Kingdom	5.0	101	2.0	1.5	3.0	4.5
	Conrad		United States	0	0	0	0	1.0	0
	Dakta		Denmark	5.0	98	1.5	1.0	2.5	2.5
	Hayking		Japan	5.0	102	3.0	2.0	3.5	3.5

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating		Herbage Yield Rating		
					1983	1984	1983	1984	
Orchardgrass ( <i>Dactylis glomerata</i> L.) cont'd									
	ISI80 A	Netherlands	5.0	99	2.0	2.0	3.0	3.5	
	ISI80 B	Netherlands	4.5	99	1.0	3.5	2.5	3.5	
	ISI80 C	Netherlands	4.5	98	2.0	2.0	4.0	3.5	
	Kay*	Canada	5.0	111	3.5	4.0	4.0	4.5	
	Lucyle	France	5.0	100	2.0	1.5	2.5	3.0	
	Mobite	Netherlands	5.0	101	3.0	1.5	3.0	3.5	
	Orion	United States	5.0	110	4.5	3.5	4.0	4.5	
	Sparta	Denmark	5.0	95	1.0	1.0	2.5	3.0	
	* Kay (Yield in kg/ha)					503			