

Red Fescue

Test Site: Gimle  
Seeding Year: 1982

Cultivar	Origin	1st Herbage Yield			2nd Herbage Yield		
		Day Cut	(DM) t/ha	% of Boreal	Day Cut	(DM) t/ha	% of Boreal
Boreal*	(3) Canada	Jun 22	0.69	100	Aug 19	0.57	100
Carlawn	(3) Canada	Jun 22	0.81	117	Aug 19	0.56	98
Fidelimo	(1) Netherlands	Jun 22	0.23	33	Aug 19	0.15	26
Leik	(3) Norway	Jun 22	0.90	130	Aug 19	0.32	56
Luster	(1) Netherlands	Jun 22	0.31	45	Aug 19	0.18	32
Milda	(3) France	Jun 22	0.56	81	Aug 19	0.80	140
Oasis	(2) Netherlands	Jun 22	0.36	52	Aug 19	0.45	79
Valaska	(4) Czechoslovakia	Jun 22	0.68	99	Aug 19	0.32	56
Zernickower	(3) East Germany	Jun 22	0.75	109	Aug 19	0.59	104
Mean			0.59			0.44	
L.S.D. (P = .05)			0.20			0.24	

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

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

Cultivar	Origin	Beaverlodge A		Beaverlodge 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	(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

Timothy - Hay

Test Site: Beaverlodge Research Station  
Seeding Year: 1981

Cultivar	Origin	Hardi- ness	Height (cm)	Date Ripe		Seed Yield				Herbage Yield			
				1982	1983	kg/ha		% of Climax		(DM)	t/ha	% of Climax	
						1982	1983	1982	1983	1982+	1983+	1982	1983
Arabelle	West Germany	9.0	78	Aug 11	Aug 21	117	444	67	87	6.13	5.58	71	77
Bartowia	Poland	9.0	90	Aug 11	Aug 18	228	523	130	103	8.40	6.65	97	91
Camilla	Netherlands	9.0	77	Aug 11	Aug 21	128	234	73	46	7.00	5.59	81	77
Climax*	Canada	9.0	91	Aug 11	Aug 20	175	510	100	100	8.65	7.27	100	100
Lacombe Comp.	Canada	9.0	91	Aug 11	Aug 19	226	557	129	109	8.16	7.38	94	102
Marpessa	Netherlands	9.0	84	Aug 11	Aug 19	335	794	191	157	7.80	7.23	90	99
Mentor	Netherlands	9.0	86	Aug 11	Aug 18	316	685	181	134	5.74	5.95	66	82
Molstad	Norway	9.0	84	Aug 11	Aug 17	186	621	106	122	7.06	6.20	82	85
Salvo	Canada	9.0	84	Aug 11	Aug 19	192	503	110	99	6.89	6.55	80	90
Saxo	Denmark	9.0	81	Aug 11	Aug 18	127	275	73	54	6.77	6.41	78	88
Skala	Poland	9.0	85	Aug 11	Aug 17	188	718	107	141	7.92	7.66	92	105
Valstad	Norway	9.0	84	Aug 11	Aug 17	284	702	162	138	6.35	6.56	74	90
Mean						208	547			7.24	6.59		
L.S.D. (P = .05)						76	131			0.68	0.82		

+ Two cuts combined

Timothy - Hay

Test Site: Beaverlodge Research Station  
Seeding Year: 1982

Cultivar	Origin	Hardi- ness	Height (cm)	Date Ripe	Seed Yield	
					kg/ha 1983	% of Climax
Alpage	France	9.0	84	Aug 27	143	92
Climax*	Canada	9.0	84	Aug 30	156	100
Hokussyu	Japan	9.0	86	Aug 22	232	149
Korpa	Iceland	9.0	85	Aug 17	700	449
Lacombe Composite	Canada	9.0	91	Aug 17	277	178
Ludor	France	9.0	73	Sep 6	87	56
Melora	Netherlands	9.0	79	Aug 20	304	195
Nosappu	Japan	9.0	88	Aug 27	280	179
Salvo	Canada	9.0	81	Sep 1	75	48
Mean					250	
L.S.D. (P = .05)					135	

Test Site: Fort Vermilion Experimental Farm  
Seeding Year: 1982

Alpage	France	9.0	68	Aug 15	213	121
Climax*	Canada	9.0	71	Aug 15	176	100
Hokussyu	Japan	9.0	61	Aug 15	196	111
Korpa	Iceland	9.0	70	Aug 15	368	209
Lacombe Composite	Canada	9.0	70	Aug 15	283	161
Ludor	France	9.0	65	Aug 15	68	39
Melora	Netherlands	9.0	61	Aug 15	145	82
Nosappu	Japan	9.0	78	Aug 15	188	109
Salvo	Canada	9.0	69	Aug 15	86	49
Mean					191	
L.S.D. (P = .05)					48	

Timothy - Hay

Test Site: Gimle  
Seeding Year: 1982

Cultivar	Origin	Hardi- ness	Height (cm)	Date Ripe	Seed Yield	
					kg/ha 1983	% of Climax
Alpage	France	9.0	90	Aug 18	356	124
Climax*	Canada	9.0	94	Aug 10	288	100
Hokusyu	Japan	9.0	79	Aug 18	196	68
Korpa	Iceland	9.0	90	Aug 10	567	197
Lacombe Composite	Canada	9.0	95	Aug 18	542	188
Ludor	France	9.0	81	Aug 18	169	59
Melora	Netherlands	9.0	83	Aug 18	306	106
Nosappu	Japan	9.0	94	Aug 10	324	113
Salvo	Canada	9.0	85	Aug 5	162	56
Mean					323	
L.S.D. (P = .05)					91	

Summary of Timothy Seed Yields  
1982 Seeding Year - 1983 Harvest  
(Yields are shown as % of Climax)

Cultivar	Origin	Beaverlodge A	Beaverlodge B	Falher	Fort Vermilion	Gimle	High Level	All Location (Average)
Alpage	France	92	(a)	(b)	121	124	(b)	112
Climax*	Canada	100			100	100		100
Hokussyu	Japan	149			111	68		109
Korpa	Iceland	449			209	197		285
Lacombe Composite	Canada	178			161	188		176
Ludor	France	56			39	59		51
Melora	Netherlands	195			82	106		128
Nosappu	Japan	179			109	113		134
Salvo	Canada	48			49	56		51
Climax Yield in kg/ha		156			176	288		207

(a) Not seeded in 1982

(b) No stand establishment in 1982

Timothy - Hay  
 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
Alpage	France	Jun 23	0.50	57	Aug 18	3.18	106
Climax*	Canada	Jun 23	0.88	100	Aug 18	2.99	100
Hokussyu	Japan	Jun 23	0.91	103	Aug 18	3.11	104
Korpa	Iceland	Jun 23	0.34	39	Aug 18	1.27	42
Lacombe Composite	Canada	Jun 23	1.61	183	Aug 18	3.24	108
Ludor	France	Jun 23	0.11	13	Aug 18	1.99	67
Melora	Netherlands	Jun 23	0.38	43	Aug 18	2.53	85
Nosappu	Japan	Jun 23	0.74	84	Aug 18	3.52	118
Salvo	Canada	Jun 23	0.60	68	Aug 18	3.50	117
Mean			0.67			2.81	
L.S.D. (P = .05)			0.39			1.31	

Test Site: Fort Vermilion Experimental Farm  
 Seeding Year: 1982

Alpage	France	Jun 27	1.64	99	Aug 15	0.39	100
Climax*	Canada	Jun 27	1.66	100	Aug 15	0.39	100
Hokussyu	Japan	Jun 27	1.28	77	Aug 15	0.33	85
Korpa	Iceland	Jun 27	2.63	158	Aug 15	0.22	56
Lacombe Composite	Canada	Jun 27	2.26	136	Aug 15	0.43	110
Ludor	France	Jun 27	1.13	68	Aug 15	0.22	56
Melora	Netherlands	Jun 27	1.31	79	Aug 15	0.16	41
Nosappu	Japan	Jun 27	1.53	92	Aug 15	0.50	128
Salvo	Canada	Jun 27	1.36	82	Aug 15	0.32	82
Mean			1.64			0.33	
L.S.D. (P = .05)			0.52			0.17	

Timothy - Hay

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
Alpage	France	Jun 22	1.29	101	Aug 19	1.06	73
Climax*	Canada	Jun 22	1.28	100	Aug 19	1.45	100
Hokusyu	Japan	Jun 22	0.87	68	Aug 19	1.65	114
Korpa	Iceland	Jun 22	1.30	102	Aug 19	0.43	30
Lacombe Composite	Canada	Jun 22	1.53	120	Aug 19	1.02	70
Ludor	France	Jun 22	0.94	73	Aug 19	1.31	90
Melora	Netherlands	Jun 22	1.05	82	Aug 19	1.42	98
Nosappu	Japan	Jun 22	1.36	106	Aug 19	1.14	79
Salvo	Canada	Jun 22	1.30	102	Aug 19	1.68	116
Mean			1.21			1.24	
L.S.D. (P = .05)			0.31			0.48	

Summary of Timothy Herbage Yields  
 1982 Seeding Year - 1983 Harvest  
 (Yields are shown as % of Climax)

Cultivar	Origin	Beaverlodge A		Beaverlodge 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

Red Clover

Test Site: Beaverlodge Research Station  
Seeding Year: 1981

Cultivar	Origin	Hardiness		Height (cm)	Seed Yield				Herbage Yield			
		1982	1983		kg/ha		% of Atlaswede		(DM) t/ha		% of Atlaswede	
					1982	1983	1982	1983	1982+	1983+	1982	1983
Atlaswede*	Canada	9.0	7.8	61	266	326	100	100	5.42	7.71	100	100
Bjorn	Sweden	9.0	7.2	58	169	176	64	54	4.73	5.57	87	72
Deben 4n	United Kingdom	9.0	3.8	50	79	22	30	7	4.93	3.39	91	44
Diper	France	9.0	4.0	46	142	27	53	8	4.54	2.45	84	32
Janbo 4n	Denmark	9.0	4.3	45	88	28	33	9	4.76	4.26	88	55
Kenstar	United States	9.0	3.7	44	140	21	53	6	4.76	2.79	88	36
Kvarta	Czechoslovakia	9.0	5.7	53	104	64	39	20	5.27	4.83	97	63
Norlac	Canada	9.0	8.0	57	245	339	92	104	4.27	5.14	79	67
Quin	United Kingdom	9.0	3.2	44	153	20	58	6	5.06	2.06	93	27
Redman	United States	9.0	5.2	47	195	55	73	17	5.84	4.04	108	52
Start	Czechoslovakia	9.0	4.5	48	178	64	67	20	5.20	3.03	96	39
Triton 4n	Sweden	9.0	5.8	55	173	106	65	33	6.69	4.67	123	61
Mean					161	104			5.13	4.16		
L.S.D. (P = .05)					63	50			0.51	0.99		

+ Two cuts combined

Red Clover

Test Site: Beaverlodge Research Station  
Seeding Year: 1982

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

Test Site: Gimle  
Seeding Year: 1982

Atlaswede*	Canada	9.0	76	Sep 20	206	100
Florex	United States	9.0	59	Sep 20	65	32
Florie	United States	8.8	50	Sep 20	48	23
Gollum	Denmark	9.0	70	Sep 20	126	61
Marino	East Germany	8.8	59	Sep 20	80	39
Palna	Denmark	8.8	71	Sep 20	124	60
Sara 4n	Sweden	8.8	74	Sep 20	51	25
Tristan	United States	9.0	54	Sep 20	79	38
Mean					97	
L.S.D. (P = .05)					58	

Summary of Red Clover Seed Yields  
 1982 Seeding Year - 1983 Harvest  
 (Yields are shown as % of Altaswede)

Cultivar	Origin	Beaverlodge A	Beaverlodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations (Average)
Altaswede*	Canada	100	(a)	(b)	(c)	100	(b)	100
Florex	United States	31				32		32
Florie	United States	17				23		20
Gollum	Denmark	85				61		73
Marino	East Germany	35				39		37
Palna	Denmark	91				60		76
Sara 4n	Sweden	37				25		31
Tristan	United States	21				38		30
Altaswede Yield in kg/ha		396				206		301

(a) Not seeded in 1982

(b) No stand establishment in 1982

(c) Complete winterkill

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
Altaswede*	Canada	Jul 19	3.45	100	Sep 21	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	4.32	100	Sep 19	1.64	100
Florex	United States	Jun 29	2.22	51	Sep 19	3.42	209
Florie	United States	Jun 29	1.23	28	Sep 19	3.82	233
Gollum	Denmark	Jul 13	2.96	69	Sep 19	1.87	114
Marino	East Germany	Jun 29	1.25	29	Sep 19	2.00	122
Palna	Denmark	Jul 13	2.97	69	Sep 19	2.26	138
Sara 4n	Sweden	Jul 13	3.97	92	Sep 19	1.62	99
Tristan	United States	Jun 29	1.24	29	Sep 19	3.27	199
Mean			2.52			2.49	
L.S.D. (P = .05)			0.65			1.49	

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

Cultivar	Origin	Beaverlodge A		Beaverlodge 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

# **PART B**

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
<i>Alfalfa (Medicago sativa L.)</i>						
	Beaver*	Canada	4.0	53	3.0	3.0
	Ceres	United States	4.0	53	3.5	3.0
	Chimo	Canada	3.5	68	4.5	3.0
	Iroquois	United States	4.0	50	3.5	2.5
	Kane	Canada	4.0	53	3.0	3.5
	Lesina	Sweden	3.0	55	3.0	2.5
	Lubella	West Germany	4.5	60	4.0	3.0
	Maverick	United States	4.0	55	3.0	3.5
	Natuwakaba	Japan	3.5	58	2.5	1.5
	Pacer	United States	3.5	55	3.0	2.5
	Peace	Canada	4.5	63	4.0	3.0
	Pickstar	Canada	3.5	55	3.0	3.0
	Shau-Tong	China	5.0	60	3.5	4.0
	Thor	United States	3.5	58	4.5	3.5
	Valor	Canada	3.5	50	2.5	3.0
<i>Birdsfoot Trefoil (Lotus corniculatus L.)</i>						
	Cree	Canada	4.0	35	4.5	2.0
	Dawn	United States	1.5	25	1.5	1.0
	Fergus	United States	3.5	30	2.0	1.5
	Hoki	West Germany	2.0	28	1.0	1.0
	Leo*	Canada	3.0	40	2.0	2.0
<i>Clover, Red (Trifolium pratense L.)</i>						
	Aled	United States	4.0	65	4.0	4.5
	Altaswede*	Canada	4.5	60	5.0	4.5
	A 0301	Sweden	3.0	53	2.5	2.0
	Ertetra 4n	China	2.5	53	2.5	2.5
	Joseph	Italy	2.5	48	2.5	2.0
	Kora	Sweden	4.0	60	4.5	4.5

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Clover, Red ( <i>Trifolium pratense</i> L.), cont'd.						
	Merviot	Belgium	2.5	33	1.5	1.0
	SV0 334 4n	Sweden	3.0	38	4.0	3.0
	Tapiopoly 4n	Hungary	3.0	48	3.5	3.0
	Tero	Denmark	3.0	38	2.0	2.0
	WWR 62 4n	Sweden	4.5	55	4.5	5.0
Clover, White ( <i>Trifolium repens</i> L.)						
	Haifa	Australia	0	0	0	0
	Kitaooha	Japan	1.0	28	0.5	0.5
	Nora*	Sweden	3.0	23	4.5	2.5
	Olwen	United Kingdom	0.5	20	0.5	0.5
	Sacramento	United States	1.0	20	2.5	1.0
Milkvetch ( <i>Astragalus cicer</i> L.)						
	Korean	Korea	0	0	0	0
Bluegrass, Canada ( <i>Poa compressa</i> L.)						
	Reuben	United States	5.0	48	4.0	3.5
Bluegrass, Kentucky ( <i>Poa pratensis</i> L.)						
	Barzan	Netherlands	5.0	50	3.0	1.0
	Bono	Canada	5.0	65	2.0	3.0
	Entopper	Netherlands	5.0	53	2.0	2.0
	Glade	United States	5.0	60	1.0	1.0
	#171	Finland	5.0	65	3.5	3.5
	Park*	United States	5.0	70	4.0	3.5
	Petit	Denmark	5.0	58	2.0	2.0
	Ryosti	Finland	5.0	73	5.0	5.0

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Bromegrass, Smooth ( <i>Bromus inermis</i> Leyss.)						
	Bromex	United States	5.0	115	4.5	4.0
	Carlton*	Canada	5.0	113	5.0	5.0
	Lofar	Norway	5.0	113	3.5	4.0
	S-8778	Canada	5.0	125	4.5	4.5
	S-8792	Canada	5.0	130	5.0	5.0
	WWF 73	Sweden	3.0	110	2.0	2.0
	WWF 74	Sweden	5.0	110	1.5	2.5
	WWF 75	Sweden	3.0	100	1.5	1.0
	WWF 76	Sweden	5.0	103	1.5	2.0
Fescue, Meadow ( <i>Festuca pratensis</i> Huds.; <i>F. elatior</i> auct.)						
	Barnardo	Netherlands	5.0	78	3.0	3.5
	Barracuda	Netherlands	5.0	80	3.0	2.0
	First	Japan	5.0	98	5.0	5.0
	Kalevi	Finland	5.0	85	5.0	5.0
	Lifesta	West Germany	5.0	85	4.5	4.5
	Mimer*	Sweden	5.0	90	4.5	4.0
	N 208	West Germany	5.0	93	4.5	4.5
	N 209	West Germany	5.0	88	3.5	4.0
	N 211	West Germany	5.0	78	4.0	3.5
	VG 01259	Sweden	4.5	80	4.5	4.0
	WWAS 6-70	Sweden	5.0	83	3.0	3.5
Fescue, Red ( <i>Festuca rubra</i> L.)						
	BAR FRC 78 (3)	Netherlands	5.0	63	2.0	2.0
	Boreal* (3)	Canada	5.0	73	5.0	4.5
	Dorado (1)	West Germany	5.0	65	1.0	1.5
	Feru 0305 (3)	Iceland	5.0	63	1.0	1.5
	FRT 3 (3)	Netherlands	5.0	45	3.0	3.0
	Icelandic (3)	Netherlands	5.0	73	3.5	3.5

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Fescue, Red ( <i>Festuca rubra</i> L.), cont'd.						
	Leik (3)	Norway	5.0	75	3.5	4.5
	Lovisa (2)	Sweden	5.0	60	3.0	3.0
	Ludivine (1)	France	5.0	58	1.0	2.0
	M6-8537 (4)	United Kingdom	5.0	58	1.0	1.5
	M6-8754 (4)	United Kingdom	5.0	60	1.0	1.0
	M6-8755 (4)	United Kingdom	5.0	40	1.0	1.0
	Meldal (3)	Norway	5.0	75	1.0	1.0
	MOM FRR 25 (3)	Netherlands	5.0	58	1.0	1.0
	N 105 (3)	West Germany	5.0	63	2.0	3.0
	N 106 (3)	West Germany	5.0	58	2.0	2.0
	N 120 (3)	West Germany	5.0	63	3.0	3.5
	N 124 (3)	West Germany	5.0	70	4.0	4.5
	N 125 (3)	West Germany	5.0	68	3.5	3.0
	Oasis (2)	Netherlands	5.0	68	2.5	3.0
	Regand (1)	West Germany	5.0	53	1.0	1.5
	Satin (2)	Sweden	5.0	73	4.5	4.0
	Singsas (3)	Norway	5.0	68	2.5	2.5
	WWRS 107 (3)	Sweden	5.0	60	2.5	2.0
	WWRS 108 (3)	Sweden	5.0	55	2.5	2.5
	WWRS 110 (3)	Sweden	5.0	58	2.5	3.0
	WWRS 111 (3)	Sweden	5.0	58	1.5	1.5
	WWRS 112 (3)	Sweden	5.0	70	3.0	3.5
	WWRS 113 (3)	Sweden	5.0	60	2.5	3.0
	WWRS 114 (1)	Sweden	5.0	63	2.5	3.5

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

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Fescue, Tall ( <i>Festuca arundinacea</i> Schreb.)						
	Alta*	United States	5.0	85	1.5	1.5
Orchardgrass ( <i>Dactylis glomerata</i> L.)						
	Barata	Netherlands	4.0	88	1.0	2.0
	Comet	United Kingdom	5.0	100	2.0	3.0
	Conrad	United States	2.5	30	0	1.0
	Dakta	Denmark	5.0	98	1.5	2.5
	Hayking	Japan	5.0	103	3.0	3.5
	ISI80 A	Netherlands	5.0	93	2.0	3.0
	ISI80 B	Netherlands	4.5	98	1.0	2.5
	ISI80 C	Netherlands	4.5	93	2.0	4.0
	Kay*	Canada	5.0	110	3.5	4.0
	Lucyle	France	5.0	100	2.0	2.5
	Mobite	Netherlands	5.0	105	3.0	3.0
	Orion	United States	5.0	110	4.5	4.0
	Sparta	Denmark	5.0	95	1.0	2.5
Ryegrass, Perennial ( <i>Lolium perenne</i> L.)						
	Amigo	Netherlands	2.5	45	2.0	2.5
	Arka	Poland	2.5	55	1.0	2.5
	Arno	Netherlands	3.0	45	2.0	3.0
	Artal 4n	Netherlands	2.0	50	2.0	2.5
	Barbados	West Germany	2.0	45	1.5	1.5
	Barcelona	West Germany	2.5	45	1.0	2.0
	Barcentra 4n	Netherlands	2.0	45	1.0	1.0
	Barlano	Netherlands	2.0	48	1.5	1.5
	Bastion 4n	Netherlands	1.5	55	1.0	1.5
	Blazer	United States	3.0	40	3.0	2.5
	Borvi	Denmark	2.0	48	1.5	2.0
	Bravo	Netherlands	2.0	48	1.5	2.0

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Ryegrass, Perennial ( <i>Lolium perenne</i> L.), cont'd.						
	Callan	United Kingdom	1.5	53	2.0	1.0
	Capper	Netherlands	2.5	48	1.0	1.0
	Causeway	United Kingdom	1.5	45	1.5	1.0
	Citadel 4n	Netherlands	3.0	50	2.0	2.0
	Dasher	United States	3.5	43	3.0	2.0
	Diplomat	United States	4.0	48	4.0	2.5
	Donata	Netherlands	3.0	40	1.0	1.5
	Ensilo	Netherlands	2.5	45	2.0	2.5
	Fantoom 4n	Netherlands	2.5	50	1.5	2.0
	Fiesta	United States	3.0	50	3.0	2.5
	Friend	Japan	1.0	53	1.5	2.0
	G-658	Hungary	2.5	48	3.5	3.5
	Godik	Denmark	3.0	55	2.5	2.5
	Gunne	Sweden	3.0	53	3.0	3.0
	Hornet	United Kingdom	1.0	43	1.0	1.0
	Hubal	Netherlands	2.5	48	1.5	1.5
	Jackpot		2.5	45	1.0	1.5
	Lilotta	West Germany	3.0	48	2.5	2.5
	Lisuna	West Germany	4.0	50	3.0	3.0
	Lucretia	West Germany	3.0	45	1.5	2.0
	Magister	Netherlands	2.0	45	1.0	1.5
	Mirvan	Denmark	2.0	50	2.0	2.0
	Modus 4n	Netherlands	2.0	55	1.5	2.0
	Montana	Netherlands	1.5	43	1.0	1.5
	NK 200	United States	4.5	53	4.0	3.5
	Norlea*	Canada	4.0	53	4.0	3.0
	Omega	United States	2.5	43	2.5	2.0
	Panache	Netherlands	1.5	48	1.5	1.5
	Prana 4n	Netherlands	1.5	50	1.5	1.5
	Ranger	Netherlands	2.5	45	2.5	2.5
	Rathlin	United Kingdom	2.5	53	1.5	2.5
	Semperweide	Netherlands	3.0	50	2.5	2.5

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Ryegrass, Perennial ( <i>Lolium perenne</i> L.), cont'd.						
	Sisu	Denmark	2.5	55	2.5	3.0
	Sommora	Netherlands	2.0	48	1.5	1.5
	Sportiva	Netherlands	1.0	50	1.0	1.0
	Traní	Denmark	1.5	45	1.5	2.5
	Trimmer	Netherlands	3.5	45	1.0	2.0
	Variant	Netherlands	3.0	55	1.5	3.0
	Yorktown	United States	3.0	43	3.0	2.5
	Yorktown II	United States	3.5	43	2.5	1.5
Timothy ( <i>Phleum pratense</i> L.)						
	Adda	Iceland	5.0	80	5.0	4.0
	Bar Phl 78-70	Netherlands	5.0	68	3.0	2.5
	Bar phl 78-71	Netherlands	5.0	90	3.5	3.0
	Climax*	Canada	5.0	90	4.5	4.5
	CV 0502	Iceland	5.0	70	1.5	1.5
	Jogeva 54	Russia	5.0	83	4.0	3.5
	LI Syn 1	West Germany	5.0	83	4.5	4.0
	LI Syn 3	West Germany	5.0	83	4.0	4.0
	Mahndorfer Lieschgras	West Germany	5.0	85	5.0	4.5
	Mentor	Netherlands	5.0	95	4.0	4.0
	Php 204	Netherlands	5.0	63	4.0	3.0
	RG3-77	West Germany	5.0	88	3.5	4.0
	SV 0906	Sweden	5.0	88	4.5	4.5
	SV 0907	Sweden	5.0	93	4.5	5.0
	SV 0909	Sweden	5.0	75	3.5	3.5
	SV 0910	Sweden	5.0	85	4.0	4.0
	Tusso	West Germany	5.0	78	4.5	2.5
	Vik 9	Russia	5.0	90	4.0	3.5
	WWT 94	Sweden	5.0	83	3.0	4.0
	WWT 95	Sweden	5.0	83	3.5	3.5

Cultivar Screening Trial  
Seeding Year: 1982

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Wheatgrass, Northern ( <i>Agropyron dasystachyum</i> Hook. Scribn.)						
	Elbee	Canada	5.0	105	5.0	3.5