

Timothy

Test Site: Beaverlodge Research Station
Seeding Year: 1986

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1987	1988	kg/ha		% of Climax	
						1987	1988	1987	1988
Alexander	Sweden	9.0	80	Jul 29	Aug 2	457	583	87	183
Alma	Finland	9.0	86	Jul 29	Aug 8	838	418	160	133
Barnes	Netherlands	9.0	75	Aug 13	Aug 15	311	173	59	55
Bero Daehnfeldt	Denmark	9.0	79	Jul 30	Aug 8	476	299	91	95
Bottnia II	Sweden	9.0	85	Jul 30	Aug 4	772	663	147	210
Climax *	Canada	9.0	86	Jul 30	Aug 8	525	315	100	100
Comfal	Netherlands	9.0	75	Jul 30	Aug 4	542	355	103	113
Extremo	Netherlands	9.0	68	Jul 25	Aug 2	360	209	69	66
Impala	Netherlands	9.0	76	Jul 30	Aug 8	567	430	108	137
Kunpu	Japan	9.0	70	Jul 20	Jul 28	342	174	65	55
Lirocco	West Germany	9.0	78	Jul 28	Aug 2	562	342	107	109
Mariposa	Canada	9.0	78	Jul 29	Aug 4	433	284	82	90
Promesse	Netherlands	9.0	76	Jul 30	Aug 2	484	305	92	97
Saga	Sweden	9.0	85	Jul 30	Aug 6	813	666	155	211
Thibet	Netherlands	9.0	64	Aug 21	Aug 19	167	90	32	29
Tiiti	Finland	9.0	86	Jul 30	Aug 7	641	646	122	205
Tiller	Netherlands	9.0	73	Jul 27	Aug 2	413	254	79	81
Tirom	Romania	9.0	75	Jul 29	Aug 2	520	263	99	83
Transfer	Netherlands	9.0	80	Jul 29	Aug 2	510	299	97	95
Tromba	Netherlands	9.0	80	Jul 29	Aug 4	544	266	104	84
Tundra	Denmark	9.0	78	Jul 30	Aug 7	531	313	101	99
Winmor	United States	9.0	81	Aug 5	Aug 8	254	201	48	64
Wugra	East Germany	9.0	73	Jul 29	Aug 4	461	239	88	76
Mean						490.7	338.5		
L.S.D. (P = .05)						125.3	115.9		

Timothy

Test Site: Beaverlodge B (Foster Farm)
Seeding Year: 1986

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1987	1988	kg/ha		% of Climax	
						1987	1988	1987	1988
Alexander	Sweden	9.0	73	Jul 29	Aug 3	582	240	145	282
Alma	Finland	9.0	75	Jul 29	Aug 4	822	204	204	240
Barnee	Netherlands	9.0	64	Aug 14	Aug 15	223	48	55	56
Bero Daehnfeldt	Denmark	9.0	68	Jul 29	Aug 4	339	84	84	99
Bottnia II	Sweden	9.0	76	Jul 29	Aug 4	702	233	175	274
Climax *	Canada	9.0	75	Jul 29	Aug 4	402	85	100	100
Comtal	Netherlands	9.0	69	Jul 29	Aug 4	514	177	128	208
Extremo	Netherlands	9.0	63	Jul 23	Aug 4	395	82	98	96
Impala	Netherlands	9.0	65	Jul 29	Aug 4	519	155	129	182
Kunpu	Japan	9.0	65	Jul 20	Jul 28	281	91	70	107
Lirocco	West Germany	9.0	66	Jul 28	Aug 2	407	157	101	185
Mariposa	Canada	9.0	69	Jul 28	Aug 4	354	103	88	121
Promesse	Netherlands	9.0	65	Jul 29	Aug 4	434	128	108	151
Saga	Sweden	9.0	74	Jul 29	Aug 4	786	188	196	221
Thibet	Netherlands	9.0	56	Aug 14	Aug 19	165	20	41	24
Tiiti	Finland	9.0	75	Jul 29	Aug 4	623	196	155	231
Tiller	Netherlands	9.0	61	Jul 24	Aug 3	348	87	86	102
Tirom	Romania	9.0	65	Jul 27	Aug 2	473	156	118	184
Transfer	Netherlands	9.0	65	Jul 28	Aug 4	452	112	112	132
Tromba	Netherlands	9.0	70	Jul 28	Aug 4	514	114	128	134
Tundra	Denmark	9.0	68	Jul 29	Aug 4	448	142	111	167
Winmor	United States	9.0	78	Jul 29	Aug 4	270	68	67	80
Wugra	East Germany	9.0	64	Jul 28	Aug 4	475	191	118	225
Mean						457.7	133.1		
L.S.D. (P = .05)						124.4	54.5		

Timothy Test Site: Beaverlodge Research Station
 Seeding Year: 1986

Cultivar	Origin	Herbage Yield (DM)					
		Cut 1		Cut 2		Total	
		(t/ha)	% of Climax	(t/ha)	% of Climax	(t/ha)	% of Climax
Alexander	Sweden	3.31	150	0.72	60	4.03	118
Alma	Finland	2.53	115	0.93	77	3.46	101
Barnee	Netherlands	3.97	180	0.07	6	4.23	124
Bero Daehnfeldt	Denmark	2.14	97	1.03	85	3.17	93
Böttnia II	Sweden	3.29	150	0.36	30	3.65	107
Climax *	Canada	2.20	100	1.21	100	3.42	100
Comtal	Netherlands	2.42	110	0.95	79	3.37	98
Extremo	Netherlands	1.71	78	1.05	87	2.75	80
Impala	Netherlands	2.14	97	0.77	64	2.91	85
Kunpu	Japan	1.35	61	1.18	98	2.52	74
Lirocco	West Germany	2.20	100	1.06	88	3.26	95
Mariposa	Canada	2.32	105	1.02	84	3.34	98
Promesse	Netherlands	2.70	123	0.63	52	3.33	97
Saga	Sweden	3.21	146	0.34	28	3.54	104
Thibet	Netherlands	3.54	161	0.11	9	3.62	106
Tiiti	Finland	3.13	142	0.46	38	3.59	105
Tiller	Netherlands	2.20	100	1.34	111	3.54	104
Tirom	Romania	1.93	88	1.27	105	3.20	94
Transfer	Netherlands	2.75	125	0.93	77	3.68	108
Tromba	Netherlands	2.28	104	0.91	75	3.19	93
Tundra	Denmark	2.06	94	0.69	57	2.76	81
Winmor	United States	2.23	101	1.20	99	3.42	100
Wugra	East Germany	1.84	84	0.83	69	2.68	78
Mean		2.50		0.85		3.32	
L.S.D. (P = .05)		0.83		0.43		0.83	

Timothy Test Site: Beaverlodge B (Foster Farm)
Seeding Year: 1986

Cultivar	Origin	Herbage Yield (DM)					
		Cut 1		Cut 2		Total	
		(t/ha)	% of Climax	(t/ha)	% of Climax	(t/ha)	% of Climax
Alexander	Sweden	2.71	138	0.69	65	3.40	112
Alma	Finland	2.75	140	1.29	122	4.03	133
Barnee	Netherlands	5.13	260	0.16	15	5.29	175
Bero Daehnfeldt	Denmark	2.32	118	1.07	101	3.39	112
Bottnia II	Sweden	3.07	156	0.53	50	3.60	119
Climax *	Canada	1.97	100	1.06	100	3.03	100
Comtal	Netherlands	2.38	121	1.25	118	3.63	120
Extremo	Netherlands	1.77	90	1.49	141	3.25	107
Impala	Netherlands	2.36	120	1.08	102	3.44	114
Kunpu	Japan	1.81	92	1.53	144	3.35	111
Lirocco	West Germany	2.33	118	1.55	146	3.88	128
Mariposa	Canada	1.95	99	1.36	128	3.32	110
Promesse	Netherlands	2.35	119	1.05	99	3.40	112
Saga	Sweden	2.80	142	0.56	53	3.36	111
Thibet	Netherlands	4.28	217	0.13	12	4.41	146
Tiiti	Finland	2.75	140	0.70	66	3.46	114
Tiller	Netherlands	1.70	86	1.37	129	3.07	101
Tirom	Romania	2.24	114	1.48	140	3.72	123
Transfer	Netherlands	1.99	101	1.22	115	3.20	106
Tromba	Netherlands	2.14	109	1.11	105	3.25	107
Tundra	Denmark	2.15	109	0.98	92	3.13	103
Winmor	United States	2.31	117	1.37	129	3.69	122
Wugra	East Germany	2.24	114	1.02	96	3.26	108
Mean		2.50		1.05		3.55	
L.S.D. (P = .05)		0.66		0.30		0.85	

Summary of Timothy Herbage Yields
D.M. (t/ha)
1986 Seeding Year

Cultivar	Origin	Beaverlodge A (Research Station)			Beaverlodge B (Foster Farm)			Combined Location Total (% of Climax)
		1987	1988	2 yr Total	1987	1988	2 yr Total	
Alexander	Sweden	6.39	4.03	10.42	6.80	3.40	10.20	100
Alma	Finland	6.40	3.46	9.86	6.64	4.03	10.67	100
Barnee	Netherlands	5.12	4.23	9.35	4.49	5.29	9.78	93
Bero Daehnfeldt	Denmark	6.80	3.17	9.97	5.93	3.39	9.32	94
Bottnia II	Sweden	6.31	3.65	9.96	6.35	3.60	9.95	97
Climax *	Canada	7.37	3.42	10.79	6.72	3.03	9.75	100
Comtal	Netherlands	6.29	3.37	9.66	6.06	3.63	9.69	94
Extremo	Netherlands	5.77	2.75	8.52	6.29	3.25	9.54	88
Impala	Netherlands	5.91	2.91	8.82	6.07	3.44	9.51	89
Kunpu	Japan	5.64	2.52	8.16	6.70	3.35	10.05	89
Lirocco	West Germany	5.67	3.26	8.93	6.16	3.88	10.04	92
Mariposa	Canada	6.09	3.34	9.43	6.54	3.32	9.86	94
Promesse	Netherlands	6.18	3.33	9.51	5.75	3.40	9.15	91
Saga	Sweden	5.83	3.54	9.37	6.25	3.36	9.61	92
Thibet	Netherlands	5.31	3.62	8.93	4.15	4.41	8.56	90
Tiiti	Finland	6.57	3.59	10.16	6.60	3.46	10.06	98
Tiller	Netherlands	7.06	3.54	10.60	6.22	3.07	9.29	97
Tirom	Romania	6.56	3.20	9.76	6.89	3.72	10.61	99
Transfer	Netherlands	6.49	3.68	10.17	6.46	3.20	9.66	97
Tromba	Netherlands	7.02	3.19	10.21	6.23	3.25	9.48	96
Tundra	Denmark	6.34	2.76	9.10	6.69	3.13	9.82	92
Winmor	United States	6.63	3.42	10.05	6.39	3.69	10.08	98
Wugra	East Germany	6.15	2.68	8.83	5.62	3.26	8.88	86