

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
Adda	Iceland	Jun 10	2.74	147	Aug 13	2.18	123
Climax*	Canada	Jun 10	1.87	100	Aug 13	1.77	100
G	Hungary	Jun 10	2.42	129	Aug 13	2.05	116
Hokussyu	Japan	Jun 10	1.32	71	Aug 13	1.40	79
Jogeva 54	Russia	Jun 10	2.04	109	Aug 13	1.65	93
Korpa	Iceland	Jun 10	2.66	142	Aug 13	1.98	112
Mentor	Netherlands	Jun 10	2.31	124	Aug 13	1.88	106
Nosappu	Japan	Jun 10	1.82	97	Aug 13	1.89	107
Vik 9	Russia	Jun 10	2.41	129	Aug 13	1.95	110
Mean			2.18			1.86	
L.S.D. (P = .05)			0.26			0.40	

Test Site: Gimle (Driedger 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
Adda	Iceland	Jul 2	0.81	202	Aug 20	0.63	74
Climax*	Canada	Jul 2	0.40	100	Aug 20	0.85	100
G	Hungary	Jul 2	0.51	128	Aug 20	0.98	115
Hokussyu	Japan	Jul 2	0.26	65	Aug 20	0.63	74
Jogeva 54	Russia	Jul 2	0.46	115	Aug 20	0.67	79
Korpa	Iceland	Jul 2	0.62	155	Aug 20	0.60	71
Mentor	Netherlands	Jul 2	0.82	205	Aug 20	0.94	111
Nosappu	Japan	Jul 2	0.30	75	Aug 20	0.76	89
Vik 9	Russia	Jul 2	0.62	155	Aug 20	0.84	99
Mean			0.54			0.77	
L.S.D. (P = .05)			0.24			0.25	

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

Alfalfa

Test Site: Beaverlodge Research Station
Seeding Year: 1983

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe		Seed Yield			
				1984	1985	kg/ha		% of Beaver	
						1984	1985	1984	1985
Anik	Canada	9.0	45	Sep 19		280	No	151	
Backa	Yugoslavia	7.7	51	Sep 19		56		30	
Baker	United States	8.0	51	Sep 19		197	Seed	106	
Banat	Yugoslavia	7.7	48	Sep 19		71		38	
Beaver*	Canada	8.4	52	Sep 19		186	Yield	100	
Belfeuil	France	7.9	48	Sep 19		176		95	
Cayuga	United States	8.7	44	Sep 19		30		16	
Cherokee	United States	7.7	47	Sep 19		118		63	
Delta	Italy	8.2	49	Sep 19		19		10	
Derby	France	8.0	55	Sep 19		245		132	
Du Puits	France	8.0	48	Sep 19		211		113	
Euver	France	8.2	47	Sep 19		124		67	
Everest	France	8.0	45	Sep 19		153		82	
Jade	France	8.2	44	Sep 19		199		107	
Kara	France	8.4	49	Sep 19		324		174	
KM-Hybridalfa	Hungary	7.9	44	Sep 19		39		21	
Lutece	France	8.2	50	Sep 19		146		78	
O.A.C. Minto	Canada	8.4	54	Sep 19		222		119	
Orchesienne	France	7.7	49	Sep 19		173		93	
Peace	Canada	8.9	44	Sep 19		131		70	
Perry	United States	8.5	48	Sep 19		161		87	
Prescot	Denmark	8.5	45	Sep 19		95		51	
Ranger	United States	8.2	49	Sep 19		76		41	
Saranac	United States	8.2	49	Sep 19		286		154	
Sitel	France	8.0	45	Sep 19		206		111	
Spredor 2	United States	8.7	47	Sep 19		139		75	
Szarvasi 1	Hungary	8.0	50	Sep 19		186		100	
Szarvasi 6	Hungary	7.4	43	Sep 19		56		30	
Teton	United States	9.0	41	Sep 19		147		79	
Trumpetor	Canada	7.9	53	Sep 19		205		110	
Veko	Denmark	8.9	48	Sep 19		131		70	
Vela	Denmark	8.7	48	Sep 19		335		180	
Verko	Hungary	8.5	45	Sep 19		78		42	
Verneuill	France	8.2	51	Sep 19		114		61	
Vrsac	Yugoslavia	8.2	50	Sep 19		54		29	
Zia	United States	5.7	54	Sep 19		52		28	
123	United States	8.0	48	Sep 19		143		77	
Mean						150			
L.S.D. (P = .05)						97			

Alfalfa

Test Site: Beaverlodge Research Station
Seeding Year: 1983

Cultivar	Origin	1st Herbage Yield						2nd Herbage Yield					
		Day Cut		(DM)	t/ha	% of Beaver		Day Cut		(DM)	t/ha	% of Beaver	
		1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985
Anik	Canada	Jun 25	Jun 18	2.75	1.15	75	108	Sep 17	Aug 28	0.53	0.18	37	31
Backa	Yugoslavia	Jun 25	Jun 18	2.78	0.65	76	61	Sep 17	Aug 28	1.45	0.50	101	85
Baker	United States	Jun 25	Jun 18	3.07	0.73	84	69	Sep 17	Aug 28	1.33	0.51	93	86
Banat	Yugoslavia	Jun 25	Jun 18	2.75	0.68	75	64	Sep 17	Aug 28	1.26	0.55	88	93
Beaver*	Canada	Jun 25	Jun 18	3.65	1.06	100	100	Sep 17	Aug 28	1.43	0.59	100	100
Belfeuil	France	Jun 25	Jun 18	3.88	1.03	106	97	Sep 17	Aug 28	1.79	0.59	125	100
Cayuga	United States	Jun 25	Jun 18	2.57	0.81	70	76	Sep 17	Aug 28	0.91	0.55	64	93
Cherokee	United States	Jun 25	Jun 18	2.81	0.66	77	62	Sep 17	Aug 28	1.41	0.44	99	75
Delta	Italy	Jun 25	Jun 18	2.68	0.51	73	48	Sep 17	Aug 28	1.16	0.43	81	73
Derby	France	Jun 25	Jun 18	3.34	0.80	92	75	Sep 17	Aug 28	1.30	0.63	91	107
Du Puits	France	Jun 25	Jun 18	3.14	0.68	86	64	Sep 17	Aug 28	1.58	0.54	110	92
Euver	France	Jun 25	Jun 18	2.91	0.86	80	81	Sep 17	Aug 28	1.53	0.61	107	103
Everest	France	Jun 25	Jun 18	3.06	0.70	84	66	Sep 17	Aug 28	1.31	0.52	92	88
Jade	France	Jun 25	Jun 18	2.80	0.64	77	60	Sep 17	Aug 28	1.45	0.48	101	81
Kara	France	Jun 25	Jun 18	2.81	0.73	77	69	Sep 17	Aug 28	1.49	0.50	104	85
KM-Hybridalfa	Hungary	Jun 25	Jun 18	3.09	0.71	85	67	Sep 17	Aug 28	1.14	0.51	80	86
Lutece	France	Jun 25	Jun 18	3.82	0.73	105	69	Sep 17	Aug 28	1.58	0.59	110	100
O.A.C. Minto	Canada	Jun 25	Jun 18	2.94	0.93	81	88	Sep 17	Aug 28	1.44	0.63	101	107
Orchesienne	France	Jun 25	Jun 18	3.24	0.68	89	64	Sep 17	Aug 28	1.53	0.64	107	108
Peace	Canada	Jun 25	Jun 18	4.24	1.34	116	126	Sep 17	Aug 28	1.20	0.59	84	100
Perry	United States	Jun 25	Jun 18	3.67	0.93	101	88	Sep 17	Aug 28	1.34	0.62	94	105
Prescot	Denmark	Jun 25	Jun 18	3.56	0.95	98	90	Sep 17	Aug 28	1.37	0.60	96	102
Ranger	United States	Jun 25	Jun 18	2.70	0.86	74	81	Sep 17	Aug 28	1.09	0.58	76	98
Saranac	United States	Jun 25	Jun 18	3.14	0.85	86	80	Sep 17	Aug 28	1.48	0.55	103	93
Site1	France	Jun 25	Jun 18	3.09	0.67	85	63	Sep 17	Aug 28	1.36	0.55	95	93
Spredor 2	United States	Jun 25	Jun 18	2.85	1.03	78	97	Sep 17	Aug 28	1.07	0.40	75	68
Szarvasi 1	Hungary	Jun 25	Jun 18	3.41	0.73	93	69	Sep 17	Aug 28	1.39	0.62	97	105
Szarvasi 6	Hungary	Jun 25	Jun 18	2.62	0.51	72	48	Sep 17	Aug 28	1.15	0.52	80	88
Teton	United States	Jun 25	Jun 18	2.88	0.77	79	73	Sep 17	Aug 28	0.68	0.25	48	42
Trumpetor	Canada	Jun 25	Jun 18	3.34	0.92	92	87	Sep 17	Aug 28	2.13	0.69	149	117
Veko	Denmark	Jun 25	Jun 18	3.72	1.12	102	106	Sep 17	Aug 28	1.44	0.63	101	107
Vela	Denmark	Jun 25	Jun 18	3.29	1.06	90	100	Sep 17	Aug 28	1.53	0.68	107	115
Verko	Hungary	Jun 25	Jun 18	4.17	1.14	114	108	Sep 17	Aug 28	1.71	0.56	120	95
Verneuill	France	Jun 25	Jun 18	3.19	0.79	87	75	Sep 17	Aug 28	1.63	0.61	114	103
Vrsac	Yugoslavia	Jun 25	Jun 18	3.26	0.79	89	75	Sep 17	Aug 28	1.29	0.52	90	88
Zia	United States	Jun 25	Jun 18	2.43	0.30	66	28	Sep 17	Aug 28	0.82	0.40	57	68
123	United States	Jun 25	Jun 18	2.31	0.77	63	73	Sep 17	Aug 28	1.30	0.55	91	93
Mean				3.15	0.82					1.34	0.54		
L.S.D. (P = .05)				0.94	0.25					0.49	0.16		

Red Clover

Test Site: Beaverlodge Research Station
Seeding Year: 1984

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe	Seed Yield	
					kg/ha	% of Atlaswede
Atlaswede*	Canada	8.0	45	Sep 24	580	100
Fanny 4n	Sweden	7.5	44	Sep 24	369	64
Fox	France	1.3	40	Sep 24	88	15
Hedda 4n	Sweden	6.8	50	Sep 24	338	58
Kora	Sweden	9.0	46	Sep 24	435	70
Matri 4n	East Germany	6.0	48	Sep 24	175	30
Molly 4n	Sweden	4.0	44	Sep 24	175	30
Napoca 4n	Romania	3.5	48	Sep 24	205	35
Norlac	Canada	8.5	38	Sep 24	495	85
Renova	Switzerland	2.5	37	Sep 24	147	25
Mean					301	
L.S.D. (P = .05)					200	

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

Atlaswede*	Canada	8.0	40	Sep 24	305	100
Fanny 4n	Sweden	3.8	34	Sep 24	122	40
Fox	France	0	-	-	0	0
Hedda 4n	Sweden	4.5	43	Sep 24	130	43
Kora	Sweden	7.5	41	Sep 24	213	70
Matri 4n	East Germany	1.0	45	Sep 24	7	2
Molly 4n	Sweden	2.8	38	Sep 24	30	10
Napoca 4n	Romania	0	-	-	0	0
Norlac	Canada	8.3	35	Sep 24	318	104
Renova	Switzerland	0	-	-	0	0
Mean					161	
L.S.D. (P = .05)					100	