

Cultivar Screening Trial
Seeding Year: 1987

Species	Cultivar	Origin	Hardiness	Height (cm)	Date Ripe	Seed Yield (kg/ha)	% of St*
Orchardgrass (<i>Dactylis glomerata</i> L.) cont'd							
	Makibamidori	Japan	9.0	77	Jul 25	138	27
	Perrevia	Greece	9.0	48	Jul 25	33	6
	Sverdlovskaya	USSR	9.0	87	Jul 18	607	119
	Mean					280.1	
	L.S.D. (P = .05)					193.6	
Timothy (<i>Phleum pratense</i> L.)							
	86006	Canada	9.0	(1)	Aug 8	256	68
	Climax	Canada	9.0		Aug 8	374	100
	FLF-1		9.0		Aug 8	429	115
	Hokusen	Japan	9.0		Aug 8	388	104
	Tundra	Denmark	9.0		Aug 8	420	112
	ZPO 1130	Netherlands	9.0		Aug 8	391	105
	ZPO 448	Netherlands	9.0		Aug 8	523	140
	ZPO 450	Netherlands	9.0		Aug 8	277	74
	Mean					382.1	
	L.S.D. (P = .05)					157.7	
	(1) Height not taken						
Perennial Ryegrass (<i>Lolium perenne</i> L.)							
	All*star	United States	9.0	35	Jul 25	616	64
	Alsinto	United Kingdom	9.0	38	Aug 11	463	48

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Perennial Ryegrass (<i>Lolium perenne</i> L.) cont'd							
	Apus	Sweden	9.0	45	Aug 5	1142	118
	Bardetta	Netherlands	9.0	37	Aug 14	247	26
	Barkate	Netherlands	9.0	35	Jul 28	99	10
	Barlet	Netherlands	9.0	43	Aug 7	512	53
	Barmega	Netherlands	9.0	37	Aug 5	522	54
	Barnasso	Netherlands	9.0	42	Aug 5	226	23
	Coronet	New Zealand	9.0	35	Jul 25	323	33
	Cupido	Netherlands	9.0	42	Aug 7	530	55
	Emir	France	9.0	30	Aug 12	270	28
	Entrar	Netherlands	9.0	40	Aug 7	673	70
	Hercules	Netherlands	9.0	40	Aug 8	359	37
	Juwel	West Germany	9.0	37	Jul 27	570	59
	Lidura	West Germany	9.0	42	Jul 28	335	35
	Liparis	West Germany	9.0	47	Aug 7	639	66
	Liperry	West Germany	9.0	45	Aug 8	524	54
	Liquick	West Germany	9.0	39	Aug 5	415	43
	Look	France	9.0	32	Aug 11	306	32
	Merlinda	Belgium	9.0	50	Aug 11	440	45
	Niederra	West Germany	9.0	42	Aug 5	594	61
	Norlea	Canada	9.0	47	Aug 5	968	100
	Pavo	Sweden	9.0	42	Aug 2	930	96
	Prelude	United States	9.0	37	Jul 25	551	57
	President	Netherlands	9.0	33	Aug 7	683	71
	Profit	Netherlands	9.0	41	Aug 7	390	40
	Repell	United States	9.0	45	Aug 2	897	93
	Salem	Netherlands	9.0	48	Aug 5	434	45
	Sheriff	Netherlands	9.0	38	Jul 25	509	53
	Troubadour	Netherlands	9.0	40	Aug 9	489	51
	Mean					521.8	
	L.S.D. (P = .05)					270.6	

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Crested Wheatgrass (<u>Agropyron cristatum</u> L.)							
	Fairway	Canada	9.0	60	Aug 15	410	100
	Szarvasi 55	Hungary	9.0	57	Aug 15	617	150
	Mean					513.3	
	L.S.D. (P = .05)					2636.5	
Tall Wheatgrass (<u>Agropyron elongatum</u> Host)							
	Orbit	Canada	9.0	107	Sep 15	820	100
	Tyrell	Australia	9.0	105	Sep 26	774	94
	Mean					796.7	
	L.S.D. (P = 0.05)					2964.3	

**NORTHERN ALBERTA
REPLICATED TRIAL
SEED YIELD SUMMARY**

SUMMARY OF FORAGE SEED YIELDS IN NORTHERN ALBERTA

Species Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
Bromegrass, Smooth (<u>Bromus inermis</u> Leys.) Yields shown as % of Carlton								
Baylor	United States	68(3)*	55(3)	73(3)	72(3)		56(3)	65(15)
Beacon	United States	65(5)			45(2)	62(2)		60(9)
Blair	United States	42(3)	41(3)	43(3)	52(3)		40(3)	44(15)
Carlton	Canada	100(8)	100(6)	100(6)	100(8)	100(2)	100(3)	100(33)
Jubilee	Canada	60(5)	55(3)	52(3)	51(5)	64(2)	51(3)	55(21)
Lyon	United States	46(3)	70(3)	68(3)	52(3)			59(12)
Magna	Canada	86(3)	92(6)	99(6)	108(6)		96(3)	98(24)
Orfeu	Romania	81(6)	91(3)	94(3)	79(3)		107(3)	89(18)
Regar	(1) United States	47(3)	50(6)	45(6)	38(6)			44(24)
Signal	Canada	124(8)	118(3)	105(3)	123(5)	157(2)	117(3)	123(24)
Svaja	Sweden	81(5)	78(3)	71(3)	69(5)	65(2)	64(3)	72(21)
Tempo	Canada	54(6)	56(6)	51(6)	67(6)			57(24)
Carlton (Yield in kg/ha)		691(8)	624(6)	611(6)	563(8)	248(2)	601(3)	598(33)

(1) Meadow Bromegrass - (Bromus biebersteinii Roem et Schult.)

* Data years

Fescue, Red (Festuca rubra L.) Yields shown as % of Boreal

Accent	(3) Netherlands	45(2)	45(2)					45(4)
Agram	(1) Netherlands	46(5)	28(6)	24(6)	29(4)			31(21)
Atlanta	(1) Netherlands	34(5)	21(3)	20(3)	24(2)			24(13)
Banner	(4) United States	56(5)	37(6)	43(6)	34(4)		21(2)	41(23)
Bastide	(2) France	20(6)	19(6)	9(6)	4(4)		11(2)	14(24)
Beauty	(1) Netherlands	29(2)	42(2)		42(2)	61(1)		41(7)
Bingo	(1) Netherlands	21(3)	30(3)	22(3)	51(2)			29(11)
Boreal	(3) Canada	100(14)	100(11)	100(6)	100(9)	100(3)	100(2)	100(45)
Cascade	(4) United States	23(3)	21(3)	21(3)	18(2)			21(8)
Ceres	(3) Netherlands	37(2)	22(2)					30(4)
Checker	(4) United States	50(3)	29(3)	26(3)	36(2)			35(11)
Cibel	(1) France		11(1)		17(1)			14(2)
Claudia	(3) Netherlands	39(2)	33(2)					36(4)

Species Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
Commodore	(3) Netherlands	61(2)	82(2)		50(2)	73(1)		66(7)
Dawson	(2) Netherlands		39(3)	43(2)	21(2)			35(7)
Diamond	(1) Netherlands	50(2)	24(3)	27(3)	18(2)			29(10)
Eboli	(1) Denmark	15(2)						15(2)
Elanor	(3) Denmark		28(1)		40(1)			34(2)
Encota	(1) Netherlands		18(3)	22(3)	20(2)			20(8)
Engina	(3) Netherlands	73(3)	112(3)	67(3)	71(2)			82(11)
Enjoy	(1) Netherlands		34(1)		50(1)			42(2)
Ensylva	(3) Netherlands	33(6)	45(6)	25(6)	33(4)		42(2)	35(24)
Envira	(3) Netherlands	72(6)	93(6)	92(6)	69(4)		114(2)	85(24)
Estica	(2) Netherlands		33(1)		24(1)			29(2)
Falter	(1) West Germany	10(2)						10(2)
Franklin	(4)		89(1)		112(1)			101(2)
Frida	(1) Netherlands	17(3)	28(3)	34(2)	25(2)			25(10)
Furore	(1) Netherlands		20(1)		37(1)			29(2)
Futuro	(3) West Germany	21(2)						21(2)
G	(2) Hungary	80(2)	83(2)		78(2)	80(1)		80(7)
Gavotte	(1) Netherlands	18(2)						18(2)
Gondolin	(3) Denmark		88(1)		71(1)			80(2)
Grasslands Cook	(1) New Zealand		16(1)		28(1)			22(2)
Grasslands Tasman	(2) New Zealand		23(1)		14(1)			19(2)
Hawk	(2) United Kingdom	75(2)						75(2)
Hector	(3) West Germany		84(1)		95(1)			90(2)
Highlight	(1) Netherlands		29(3)	30(3)	24(2)			28(8)
Ivalo	(1) Denmark	32(2)	29(6)	19(6)	26(4)			26(18)
Jupiter	(2) United Kingdom		20(1)		13(1)			17(2)
Keszthelyi 2	(2) Hungary	45(3)	63(6)	57(6)	32(4)		43(2)	51(21)
Koket	(1) Netherlands		40(3)	30(3)	29(2)			34(8)
Leik	(3) Norway	90(7)	82(5)	66(3)	130(6)	79(3)	121(2)	96(26)
Lifalla	(1) West Germany		30(3)	33(3)	21(2)			29(8)
Lirota	(1) West Germany	13(2)						13(2)
Lirouge	(1) West Germany	19(3)	17(6)	18(6)	29(4)			20(19)
Lobi	(1) West Germany	36(2)						36(2)
Luster	(1) Netherlands	18(5)	27(3)	15(3)	35(4)	38(2)		25(17)
Manoir	(2) France	9(3)	25(3)	7(3)	11(2)			13(11)
Menuet	(1) Netherlands		28(3)	31(3)	21(2)			27(8)
Merlin	(2) United Kingdom	13(3)	20(3)	10(3)	8(2)			13(11)
Moncorde	(3) Netherlands	55(6)	61(6)	50(6)	61(4)		40(2)	56(24)

Species Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
Oasis	(2) Netherlands	20(9)	26(6)	31(5)	13(6)	32(2)		23(28)
Odra	(1) West Germany		35(3)	46(3)	38(2)			40(8)
Oriflamme	(2) United Kingdom	18(3)	21(3)	17(3)	31(2)		54(2)	26(13)
Parita	(1) Netherlands	28(3)	29(3)	30(3)	59(2)			34(11)
Perelle	(2) France	14(2)	14(2)		10(2)			13(6)
Pernille	(3) Denmark	37(3)	43(6)	35(6)	30(4)		54(2)	38(21)
Puma	(1) Denmark	32(6)	31(6)	25(6)	31(4)			30(22)
Rapid	(3) Netherlands	61(3)	87(6)	80(6)	64(4)		116(2)	80(21)
Rasengold	(1) West Germany		43(3)	44(3)	28(2)			40(8)
Reptans	(3) Sweden	68(6)	76(3)	80(3)	75(2)		92(2)	76(16)
Roland 21	(3) West Germany	50(6)	72(3)	71(3)	50(2)		68(2)	60(16)
Rolax	(1) Belgium		48(3)	37(3)	28(2)			39(8)
Rubina Roskilde	(3) Denmark	58(3)						58(3)
Scarlet	(1) Netherlands	42(5)	31(6)	28(6)	41(4)			35(21)
Solfège	(1) France	25(2)						25(2)
Sonnet	(2) Netherlands	13(3)	18(3)	7(3)	11(2)			12(11)
Sterna	(1) Sweden		10(1)		28(1)			19(2)
Suzette	(2) Denmark		25(1)		18(1)			22(2)
Szarvasi 58	(2) Hungary	68(2)	78(2)					73(4)
Tamara	(1) Denmark		36(3)	39(3)	34(2)			37(8)
Tatjana	(1) Denmark	30(3)	40(6)	43(5)	47(4)			41(18)
Terhi	(3) Finland	89(2)	82(2)					86(4)
Tridano	(3) Denmark	56(2)						56(2)
Veni	(1) Denmark	31(6)	38(6)	38(6)	31(4)			35(22)
Victor	(3) Netherlands	77(2)	65(2)					71(4)
Waldorf	(1) Netherlands		28(3)	24(3)	26(2)			26(8)
Zernickower	(3) East Germany	77(7)	95(5)	64(3)	73(6)	88(3)	131(2)	83(26)
Boreal (Yield in kg/ha)		529(14)	706(11)	511(6)	649(9)	898(3)	390(2)	612(45)

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

Species Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
Timothy (<i>Phleum pratense</i> L.) Yields shown as % of Climax								
Adda	Iceland	248(2)	211(2)		313(2)	227(2)		250(8)
Alexander	Sweden	124(2)	169(2)					147(4)
Alma	Finland	150(2)	211(2)					181(4)
Alpage	France	109(5)	101(3)	137(3)	113(5)	116(2)	99(3)	112(21)
Barmidi	Netherlands	71(3)	76(3)	71(2)	36(1)			69(9)
Barmoti	Netherlands		125(3)	121(2)	85(2)			112(7)
Barnee	Netherlands	58(2)	54(2)					56(4)
Bartimi	Netherlands	125(3)	112(6)	119(5)	112(5)		83(3)	111(22)
Barvanti	Netherlands	74(3)	61(3)	62(2)	22(2)			57(10)
Basho	Canada	65(6)	77(6)	62(5)	46(3)		40(3)	62(23)
Bero Daehnfeldt	Denmark	92(2)	87(2)					90(4)
Bilbo	Denmark	119(6)	117(3)	130(3)	121(3)		129(3)	123(18)
Bodin	Norway		155(3)	177(2)	168(2)			165(7)
Bottnia II	Sweden	174(8)	150(8)	164(5)	232(5)		285(3)	187(29)
Bounty	Canada	70(3)	71(3)	72(2)	117(3)		72(3)	81(14)
Castella	Netherlands		76(3)					76(3)
Champ	Canada	109(3)	79(3)	75(2)	84(3)		71(3)	84(14)
Clair	United States		78(3)					78(3)
Climax	Canada	100(14)	100(8)	100(5)	100(9)	100(4)	100(3)	100(43)
Comtal	Netherlands	107(2)	142(2)					125(4)
Engmo	Norway	185(6)	138(6)	180(5)	239(5)		264(3)	193(25)
Erecta	Belgium	124(3)	95(6)	104(5)	81(5)		125(3)	102(22)
Extremo	Netherlands	68(2)	98(2)					83(4)
Farol	Netherlands		76(3)	59(2)				69(5)
Forus	Norway		115(3)	117(2)	106(2)			113(7)
G	Hungary	156(2)	143(2)		150(2)	153(2)		151(8)
Georgikon	Hungary		110(3)	147(2)	99(2)			117(7)
Goliath	Netherlands	115(6)	105(6)	123(5)	112(5)		156(3)	119(25)
Grindstad	Norway		122(3)	88(2)	99(2)			106(7)
Hokuo	Japan	94(3)	92(3)	60(2)	76(2)			83(10)
Hokusyu	Japan	115(7)	84(5)	190(3)	106(7)	92(4)	169(3)	118(29)
Impala	Netherlands	119(2)	138(2)					129(4)
Itasca	Sweden	79(3)	75(3)	84(3)	100(3)		101(3)	88(15)
Korpa	Iceland	241(7)	153(8)	203(5)	249(9)	191(4)	270(3)	215(36)
Kunpu	Japan	61(2)	76(2)					69(4)
Lirocco	West Germany	108(2)	116(2)					112(4)

Species Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
Mariposa	Canada	85(2)	94(2)					90(4)
Melora	Netherlands	113(5)	81(3)	105(3)	81(5)	88(2)	90(3)	94(21)
Motim	Netherlands	89(3)	69(3)	94(2)	42(2)			75(10)
Motterwitzer	East Germany	121(3)						121(3)
Nosappu	Japan	144(7)	113(5)	123(3)	135(7)	122(4)	117(3)	128(29)
Otto	Finland	164(3)	134(6)	198(5)	194(5)		203(3)	176(22)
Phlewiola	West Germany		86(3)	98(2)	104(2)			95(7)
Polka	United Kingdom	113(6)	101(3)	121(3)	128(3)		90(3)	111(18)
Promesse	Netherlands	94(2)	115(2)					105(4)
Rasant	West Germany	165(6)	140(6)	214(5)	161(5)		216(3)	174(25)
Richmond	Canada	100(3)	107(6)	108(5)	97(5)		105(3)	104(22)
Saga	Sweden	176(2)	200(2)					188(4)
Salvo	Canada	74(7)	68(3)	56(3)	62(5)	60(2)	60(3)	65(23)
Tammisto	Finland		126(3)	168(2)	157(2)			147(7)
Tarmo	Finland		139(3)	167(2)	108(2)			138(7)
Thibet	Netherlands	31(2)	38(2)					35(4)
Tiiti	Finland	183(5)	154(5)	247(3)	266(3)		222(3)	205(19)
Tiller	Netherlands	79(2)	89(2)					89(4)
Timfor	United States	92(3)	89(3)	96(2)	64(2)			86(10)
Tirom	Romania	93(2)	129(2)					111(4)
Topas Otofte	Denmark	126(6)	105(6)	76(4)	120(5)		127(3)	111(24)
Transfer	Netherlands	96(2)	116(2)					106(4)
Tromba	Netherlands	96(2)	129(2)					113(4)
Tundra	Denmark	100(2)	121(2)					111(4)
Verdant	United States	109(6)	102(6)	116(5)	101(5)		120(3)	108(25)
Winmor	United States	54(2)	69(2)					62(4)
Wugra	East Germany	83(2)	137(2)					110(4)
Climax (Yield in kg/ha)		317(14)	263(8)	138(5)	218(9)	308(4)	119(3)	254(43)

Clover, Red (*Trifolium pratense* L.) Yields shown as % of Altaswede

Albatros	France	86(1)	79(1)		43(1)			69(3)
Altaswede	Canada	100(9)	100(9)	100(6)	100(9)	100(2)		100(35)
Astra 4n	United Kingdom		35(2)	26(3)	33(3)			31(8)
Bjorn	Sweden	76(5)	78(6)	70(6)	86(6)			78(23)
Deben 4n	United Kingdom		17(2)					17(2)
Diper	France		29(2)					29(2)