

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Fescue, Tall (<u>Festuca arundinacea</u> Schreb.) cont'd						
	Parnas	Romania	4.0	65	1.0	2.0
	Sibilla	Italy	0	0	0	0
	* Kentucky 31 (Yield in kg/ha)				661	
Fescue x Ryegrass Hybrid (<u>Festuca pratensis</u> L. x <u>Lolium perenne</u> L.)						
	Elmet	United Kingdom	0	0	0	0
	Kemal*	United States	4.0	53	3.3	3.0
	Prior	United Kingdom	4.0	58	3.3	3.3
	* Kemal (Yield in kg/ha)				452	
Orchardgrass (<u>Dactylis glomerata</u> L.)						
	Abar	Poland	2.0	70	0.3	1.7
	Amba	Denmark	2.7	65	0.7	1.7
	Cesarina	Italy	0	0	0	0
	Dika	Poland	2.7	58	0.7	1.7
	Dora	Italy	1.7	60	0.3	1.3
	Goliat	Romania	2.7	73	0.7	2.0
	Gorom	Romania	3.0	60	0.7	1.7
	Gotar	Romania	0	0	0	0
	ISI-81-1	United States	2.7	75	0.7	1.7
	Jesper	Denmark	1.7	75	0.3	1.0
	Kay*	Canada	3.7	65	1.7	2.3
	Lidacta	West Germany	2.0	35	0	0.7
	Lodola	Italy	2.3	70	0.7	1.7
	Loke	Sweden	2.3	73	0.7	2.0
	Marta	Italy	0	0	0	0
	Motterwitzer	East Germany	3.0	63	1.0	1.7
	Nera	Poland	2.7	75	0.3	1.3
	Poiana	Romania	2.3	80	0.7	1.3

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Orchardgrass (<u>Dactylis glomerata</u> L.) cont'd						
	Satra	Poland	3.3	65	1.0	2.7
	* Kay (Yield in kg/ha)				77	
Ryegrass, Perennial (<u>Lolium perenne</u> L.)						
	A 193/83	Hungary	4.7	45	5.0	3.0
	Anduril	Denmark	3.0	50	2.7	2.3
	Baca	Czechoslovakia	2.7	40	2.3	2.0
	Baranna	Netherlands	4.0	32	2.7	2.3
	Baranova	Netherlands	2.0	40	1.3	1.3
	Barclay	Netherlands	3.7	35	1.7	1.7
	Bardonna	West Germany	3.0	33	2.3	1.7
	Bartony	Netherlands	3.7	35	2.0	1.7
	BAR LP 79F	Netherlands	2.7	28	1.3	1.3
	BAR LP 80ZA	Netherlands	2.7	38	1.7	1.3
	BAR LP 410	Netherlands	3.0	30	1.7	1.3
	Belfort 4n	West Germany	0	0	0	0
	Belida	Denmark	1.7	35	0.7	0.3
	Bellatrix	Netherlands	3.3	38	2.0	2.0
	Bison 4n	United States	0	0	0	0
	Bonita 4n	West Germany	3.3	33	2.7	2.3
	BT-1	United States	4.0	33	3.3	2.3
	Butterfly	West Germany	3.7	43	3.0	2.7
	Chevron	United Kingdom	1.3	30	0.7	0.7
	Cirdan	Denmark	3.0	47	2.3	2.3
	Citation	United States	2.7	25	1.7	1.3
	Condesa 4n	Netherlands	1.7	43	1.3	1.0
	Contender	United Kingdom	3.7	43	2.7	2.3
	Corona	West Germany	3.0	30	1.0	1.0
	Darbo	Denmark	3.0	43	2.3	2.3
	Diana	West Germany	3.3	40	2.0	1.7
	Elka	Netherlands	3.0	28	1.0	1.0
	Game	Netherlands	3.7	35	3.0	2.0

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
Ryegrass, Perennial (<i>Lolium perenne</i> L.) cont'd						
	Gazon	Poland	4.0	45	2.7	2.7
	Grasslands Nui	New Zealand	0	0	0	0
	Green Isle 4n	Ireland	0	0	0	0
	Idole	France	1.7	20	0.3	0.3
	Kerem	West Germany	3.7	45	2.7	2.3
	LD 2343	Denmark	2.3	38	1.3	1.3
	LD 2344	Denmark	3.7	43	2.0	2.3
	LD 2408	Denmark	2.3	45	2.7	2.7
	Lidura	West Germany	2.7	38	1.7	1.0
	Lihersa	West Germany	2.7	38	2.3	2.0
	Lilope	West Germany	3.0	35	2.7	1.7
	Limedia	West Germany	2.7	37	2.3	2.0
	Liperlo	West Germany	2.0	40	1.0	0.7
	Liprior	West Germany	2.3	40	2.0	1.3
	Liraylo	West Germany	0	0	0	0
	Lorina	West Germany	2.0	28	1.0	1.0
	Magella	Netherlands	3.3	40	3.0	2.7
	Maprima	East Germany	2.7	48	1.3	1.7
	Marietta	West Germany	2.7	32	1.3	1.3
	Marta	Romania	3.7	43	2.7	2.3
	Monta	Netherlands	1.3	30	0.3	0.3
	Moranta	Netherlands	1.7	40	1.0	0.7
	Morgana	Netherlands	1.3	35	0.7	0.7
	Norlea*	Canada	4.3	47	3.3	3.0
	Oakpark	Ireland	1.7	45	1.0	1.0
	Pageant	United Kingdom	0	0	0	0
	Pamir	Italy	1.7	40	0.7	0.3
	Pennant 4n	United Kingdom	2.0	43	1.7	1.3
	Perfect	Netherlands	2.3	38	1.7	1.0
	Perray	West Germany	3.0	45	1.7	1.7
	Pippin	Denmark	3.0	40	1.3	1.7
	Pleno	Denmark	1.3	35	0.3	0.3
	Plush	United Kingdom	4.3	33	2.0	2.0
	Premier	United States	3.7	37	3.0	1.7
	Rapid	Romania	2.3	45	1.7	1.0

Species	Cultivar	Origin	Hardiness	Height (cm)	Seed Yield Rating	Herbage Yield Rating
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Ryegrass, Perennial (Lolium perenne L.) cont'd

Rapsod	Romania	3.0	43	2.0	1.3
Saione	Denmark	2.0	38	0.7	1.3
Senator	West Germany	1.7	35	1.0	1.0
Servo	Sweden	5.0	43	3.7	3.0
Svea	Sweden	4.7	45	4.3	3.0
Tando	West Germany	3.0	35	2.0	1.0
Tonga 4n	Denmark	2.3	35	2.0	1.7
Tresor	Netherlands	2.7	35	1.0	1.3
Vejo	Italy	0	0	0	0

* Norlea (Yield in kg/ha)

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Timothy (Phleum pratense L.)

BAR 81-3	Netherlands	5.0	68	4.0	4.0
BAR 82-4	Netherlands	5.0	70	3.3	3.3
Climax*	Canada	5.0	72	4.0	4.0
Php 10	Netherlands	5.0	65	4.0	3.7
Php 11	Netherlands	5.0	67	4.0	3.3
Php 137.82	Netherlands	5.0	65	4.3	3.3
Php 157.82	Netherlands	5.0	63	3.3	3.3
Z 3011	West Germany	5.0	63	4.0	3.7

* Climax (Yield in kg/ha)

402

Wildrye, Russian (Elymus junceus Fisch.)

Sawki*	Canada	5.0	83	0.3	2.0
Swift	Canada	5.0	80	0.3	2.0

* Sawki (Yield in kg/ha)

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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> Leyss.) 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)		38(3)	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

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)
Ballade	(2)	France	9(3)	16(3)	8(3)	17(2)	8(2)	11(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	31(1)	40(1)		44(1)		38(3)
Bergond	(3)	Denmark	39(3)					39(3)
Bingo	(1)	Netherlands	21(3)	30(3)	22(3)	51(2)		29(11)
Boreal	(3)	Canada	100(11)	100(7)	100(6)	100(7)	100(2)	100(35)
Cascade	(4)	United States		23(3)	21(3)	18(2)		21(8)
Checker	(4)	United States	50(3)	29(3)	26(3)	36(2)		35(11)
Chiwago	(2)	West Germany	36(2)					36(2)
Commodore	(3)	Netherlands	58(1)	85(1)		56(1)		66(3)
Dawson	(2)	Netherlands		39(3)	43(2)	21(2)		35(7)

Species	Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
	Pollux	(3) Denmark		70(6)	62(6)	45(4)		63(2)	61(18)
	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)
	Satin	(2) Sweden	14(1)	21(1)		24(1)			20(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)
	Tamara	(1) Denmark		36(3)	39(3)	34(2)			37(8)
	Tatjana	(1) Denmark	30(3)	40(6)	43(5)	47(4)			41(18)
	Tridano	(3) Denmark	56(2)						56(2)
	Valaska	(4) Czechoslovakia	42(5)	23(3)	27(3)	45(4)	44(2)		37(17)
	Veni	(1) Denmark	31(6)	38(6)	38(6)	31(4)			35(22)
	Waldorf	(1) Netherlands		28(3)	24(3)	26(2)			26(8)
	Zernickower	(3) East Germany	73(6)	92(4)	64(3)	74(5)	88(2)	131(2)	82(22)
	Boreal (Yield in kg/ha)		438(11)	570(7)	511(6)	668(7)	594(2)	390(2)	529(35)

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

Timothy (*Phleum pratense* L.) Yields shown as % of Climax

Adda	Iceland	187(1)	192(1)		357(1)	273(1)		252(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)
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)
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	173(6)	125(6)	164(5)	232(5)		285(3)	185(25)

Species	Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
	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(11)	100(7)	100(5)	100(8)	100(3)	100(3)	100(37)
	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)
	Farol	Netherlands		76(3)	59(2)				69(5)
	Forus	Norway		115(3)	117(2)	106(2)			113(7)
	G	Hungary	123(1)	128(1)		179(1)	156(1)		147(4)
	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	117(6)	78(4)	190(3)	110(6)	78(3)	169(3)	119(25)
	Itasca	Sweden	79(3)	75(3)	84(3)	100(3)		101(3)	88(15)
	Korpa	Iceland	240(6)	147(7)	203(5)	246(8)	198(3)	270(3)	214(32)
	Ludor	France	52(5)	50(3)	58(3)	58(5)	61(2)	56(3)	55(21)
	Melora	Netherlands	113(5)	81(3)	105(3)	81(5)	88(2)	90(3)	94(21)
	Mino	Denmark	91(6)	91(6)	77(5)	65(5)		117(3)	86(25)
	Motim	Netherlands	89(3)	69(3)	94(2)	42(2)			75(10)
	Motterwitzer	East Germany	121(3)						121(3)
	Nosappu	Japan	151(6)	115(4)	123(3)	134(6)	119(3)	117(3)	130(25)
	Otto	Finland	164(3)	134(6)	198(5)	194(5)		203(3)	176(22)
	Palermo	Netherlands	41(3)	55(3)	22(2)	9(2)			37(10)
	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)
	Pronto	United States	98(6)	105(6)	100(5)	84(5)		144(3)	103(25)
	Purlieu	United Kingdom	84(6)	96(3)	122(3)	87(3)		92(3)	94(18)
	Ramona	Netherlands		47(6)	10(2)	30(1)			37(9)
	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)
	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)
	Tiiti	Finland	195(3)	128(3)	247(3)	266(3)		222(3)	212(15)
	Timfor	United States	92(3)	89(3)	96(2)	64(2)			86(10)
	Topas Otofte	Denmark	126(6)	105(6)	76(4)	120(5)		127(3)	111(24)
	Verdant	United States	109(6)	102(6)	116(5)	101(5)		120(3)	108(25)

Species	Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermillion	Gimle	High Level	All Locations
	Winda	Netherlands	36(3)						36 (3)
	Climax (Yield in kg/ha)		312(11)	292(7)	138(5)	229(8)	260(3)	119(3)	247(37)

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

Aberystwyth S.123	United Kingdom		27(2)	47(2)					37 (4)
Altaswede	Canada	100(7)	100(7)	100(6)	100(7)	100(2)			100(29)
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)
Fanny 4n	Sweden	64(1)	40(1)		106(1)				70 (3)
Florex	United States	67(4)	77(3)	20(2)	47(2)	77(2)			61(13)
Florie	United States	46(4)	60(3)	19(2)	32(2)	45(2)			43(13)
Fox	France	15(1)	0(1)		36(1)				17 (3)
Gollum	Denmark	92(4)	87(3)	28(2)	49(2)	82(2)			73(13)
Granta	United Kingdom	66(2)	29(4)	17(2)	0(2)				28(10)
Grasslands Pawera	New Zealand	32(3)	41(3)	4(1)	0(1)				28 (8)
Gumpensteiner	Austria	41(3)	22(5)	9(2)	4(2)				22(12)
Hamidori 4n	Japan		5(2)						5 (2)
Hedda 4n	Sweden	58(1)	43(1)		95(1)				65 (3)
Heges Hohenheimer	West Germany		0(1)		0(1)				0 (2)
Janbo 4n	West Germany	20(2)							20 (2)
Kenstar	United States	27(2)							27 (2)
Kora	Sweden	70(1)	70(1)		153(1)				98 (3)
Krano Pajbjerg	Denmark	126(3)	97(6)	55(5)	36(2)				82(16)
Kvarta	Czechoslovakia	28(2)							28 (2)
Lossam 4n	France	22(2)	12(2)	3(2)	0(1)				11 (7)
Marcom	France		3(2)		0(1)				2 (3)
Marino	East Germany	51(4)	36(3)	17(2)	41(2)	44(2)			40(13)
Matri 4n	East Germany	30(1)	2(1)		65(1)				32 (3)
Molly 4n	Sweden	30(1)	10(1)		110(1)				50 (3)
Mont-Calme	Switzerland	46(3)	22(5)	9(2)	14(2)				25(12)
Napoca 4n	Romania	35(1)	0(1)		65(1)				33 (3)
Norlac	Canada	104(6)	107(7)	88(6)	113(7)				104(26)
Norseman 4n	United Kingdom		0(1)		0(1)				0 (2)
Pacific	Canada	80(2)	33(3)	0(1)	3(2)				33 (8)

Species	Cultivar	Origin	B'lodge A	B'lodge B	Falher	Fort Vermilion	Gimle	High Level	All Locations
	Paina	Denmark	102(4)	82(3)	23(2)	25(2)	87(2)		71(13)
	Patavium	Italy	51(2)	38(2)	1(2)	0(1)			26 (7)
	Perenta 4n	East Germany	30(3)	16(6)	13(2)	18(3)			19(14)
	Quin	United Kingdom	29(2)						29 (2)
	Quinequelli	Chile	43(2)	51(2)	0(1)	0(1)			31 (6)
	Red Head 4n	West Germany		0(1)					0 (1)
	Redman	United States	42(2)						42 (2)
	Renova	Switzerland	25(1)	0(1)		36(1)			20 (3)
	Sally 4n	Sweden	40(2)	62(6)	26(6)	44(3)			44(17)
	Sara 4n	Sweden	40(4)	86(3)	27(3)	49(3)	50(2)		50(15)
	Start	Czechoslovakia	41(2)						41 (2)
	Temara 4n	Switzerland	13(2)	16(3)	4(2)	0(1)			10 (8)
	Tripo 4n	Norway		54(3)	56(3)				55 (6)
	Triton 4n	Sweden	47(2)						47 (2)
	Altaswede (Yield in kg/ha)		338(7)	398(7)	214(6)	682(7)	324(2)		409(29)