

Forage Introductions

Northern Research Group
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FORAGE INTRODUCTIONS

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FOREWORD

This is our second report on the performance of introduced cultivars of grasses and legumes eligible for contract seed production in Canada. All available data are included thus this report replaces Publication NRG 69-16.

Data are obtained from single plots comprising 5 rows, 30.5 cm (1 foot) apart and 6.1 metres (20 feet) long. Two rows are harvested for herbage and the remaining 3 for seed. Each cultivar is seeded in 3 successive years and each seeding is retained for 3 harvest years. Weeds are controlled by both mechanical and chemical means. Plots are fertilized annually. Irrigation is employed only in the year of seeding or required to ensure complete stands. While many observations are recorded, emphasis is placed on winter hardiness and seed yield.

Key to Symbols

Ratings 1 to 9 (9 best), - (not rated)
 cm - centimeters (1 inch = 2.54 cm)
 kg/ha - kilograms per hectare
 lb/acre - pounds per acre

D.C. = double cut
 S.C. = single cut
 Tetra. = tetraploid
 Dip. = diploid

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Species	Cultivar	Origin	Hard- ness	Herbage Yield	Seed Ripe da.,mo.	Data Years	Seed Yields			Ht. cm	Comments	
							lb/acre avg. high	kg/ha avg. high				
Bluegrass - Kentucky (<i>Poa pratensis</i>)												
	Adorno	Netherlands	9	7	10/7	1	102	102	114	114	43	
	Altra C 1	U.S.A.	9	7	20/7	8	227	528	254	592	41	
	Common	Canada	9	6	14/7	22	117	587	131	658	61	Mildew
	Cougar	U.S.A.	9	8	14/7	3	223	309	250	346	41	
	Delta	Canada	9	7	22/7	5	170	561	191	629	58	
	Dryland	"	9	5	18/7	5	71	133	80	149	51	
	Flyking	U.S.A.	9	7	14/7	3	84	114	94	128	33	
	Merion	"	8	5	20/7	23	98	265	110	297	41	Rust & mildew
	Newport	"	9	7	30/7	7	105	246	118	276	51	
	Nugget	"	9	8	15/7	6	134	240	150	269	36	Rust & mildew
	Park	"	9	6	20/7	17	121	448	136	502	58	Mildew
	Prato	Netherlands	9	7	20/7	6	251	461	281	517	38	Mildew
	Sk-46	Poland	9	7	15/7	6	193	357	216	400	58	Mildew
	T-No.34	Denmark	9	7	15/7	3	156	235	175	263	56	Rust & mildew
Bluegrass - Canada (<i>P. compressa</i>)												
	Canon	Canada	9	7	5/8	1	150	150	168	168	30	
	Common	"	7	6	1/8	5	122	242	137	271	-	
Bluegrass - Upland (<i>P. glaucantha</i>)												
	Draylar	U.S.A.	9	5	14/7	3	153	240	172	269	36	
Bromegrass (<i>Bromus inermis</i>)												
	Achenbach	U.S.A.	9	5	15/8	3	222	324	249	363	-	Southern
	Anto	Poland	9	6	12/8	5	273	718	306	805	89	Northern
	Baylor	U.S.A.	9	9	12/8	1	211	211	237	237	66	Southern
	Blair	"	9	9	12/8	1	131	131	147	147	69	Southern
	Carlton	Canada	9	9	12/8	18	321	893	366	1001	102	Northern
	Magna	"	9	8	11/8	3	296	411	332	462	107	Intermediate
	Manchar	U.S.A.	9	7	15/8	29	251	1238	281	1388	102	Intermediate
	Polar	"	9	8	11/8	9	341	948	382	1063	102	Northern
	Redpatch	Canada	9	5	11/8	6	175	599	196	671	102	Southern
	S.A.C.	U.S.A.	9	7	11/8	8	216	565	242	633	107	Southern
	Saratoga	"	9	6	15/8	13	200	533	224	597	94	Southern
	ZK	Czech.	9	7	11/8	5	299	749	335	840	107	Northern

Species	Cultivar	Origin	Hardi- ness	Herbage Yield	Seed Ripe da., mo.	Data Years	Seed Yields			Ht. cm	Comments	
							lb/acre avg. high	kg/ha avg. high	kg/ha avg. high			
Fescue - Chewings (<i>Festuca rubra</i> var. <i>commutata</i>)												
	42-14	Netherlands	9	7	16/7	3	103	174	115	195	36	
	Barfalla	"	9	5	21/7	3	170	240	191	269	43	
	Brabantia	"	9	7	20/7	3	315	490	378	549	33	
	Brabantia L. Green	"	9	5	20/7	2	101	176	113	197		
	Cebeco	"	9	7	20/7	1	138	138	155	155	43	
	Cottage	France	9	7	10/7	1	5	5	6	6	25	
	Dawson	Netherlands	9	7	19/7	3	160	190	179	213	46	
	Flevo	"	9	7	15/7	1	80	80	90	90	33	
	Golfrood	"	7	6	30/7	7	148	594	166	667	64	
	Highlight	"	9	7	17/7	11	233	756	261	847	41	Snowmold resistance
	Koket	"	9	7	15/7	1	42	42	47	47	33	
	Oasis	"	9	6	19/7	6	125	247	140	277	56	
Fescue - Creeping red (<i>F. rubra</i>)												
	Agio	Netherlands	9	5	20/7	1	259	259	290	290	46	
	Arctared	U.S.A.	9	6	20/7	9	347	960	389	1076	64	
	Bargena	Netherlands	9	6	25/7	3	366	533	410	597	74	
	Bergere	France	9	7	25/7	3	346	432	388	484	69	
	Boreal	Canada	9	9	30/7	9	580	1767	650	1981	64	
	Duraturf	"	9	8	30/7	14	418	934	469	1047	64	
	Echo	Denmark	9	9	25/7	3	496	619	556	694	64	
	Elco	"	9	8	25/7	3	480	539	538	604	74	
	Elite	"	9	7	30/7	5	403	800	452	897	-	
	Erika	Sweden	9	6	21/7	3	215	352	241	395	53	
	FRR/H67	Netherlands	9	7	15/7	1	166	166	186	186	33	
	Illahee	U.S.A.	9	6	31/7	9	250	515	280	577	-	
	K.L. 257	Czech.	9	6	25/7	3	328	488	368	547	79	
	Kos	Poland	9	7	15/7	1	139	139	156	156	38	
	Lam. Sawa	"	9	7	20/7	1	117	117	131	131	33	
	Leo	"	9	7	20/7	1	227	227	254	254	41	
	Levocska	Czech.	9	8	25/7	6	453	1195	508	1340	74	
	Liebenziger	Germany	9	8	20/7	1	413	413	463	463	46	
	Mommersteeg's	Netherlands	9	8	26/7	2	322	493	361	553	-	
	Nr. 7	Germany	9	8	10/7	1	125	125	140	140	30	
	Nr. 8	"	9	8	10/7	1	106	106	119	119	30	
	Nr. 9	"	9	8	10/7	1	139	139	156	156	33	

Species	Cultivar	Origin	Hard- ness	Herbage Yield	Seed Ripe	Data Years	Seed Yields		Ht. cm	Comments		
							da., mo.	lb/acre avg. high			kg/ha avg. high	
	N. F. G.	Germany	9	8	25/7	3	384	427	430	479	71	
	Novorubra	Netherlands	9	8	25/7	3	406	469	455	526	64	
	Oberhaunstadter	Germany	9	6	25/7	3	389	443	436	497	71	
	Odenrot	"	9	6	25/7	3	474	634	531	711	66	
	Olds	Canada	9	9	31/7	23	463	1718	519	1926	64	
	Pennlawn	U.S.A.	9	8	31/7	12	214	534	240	599	-	
	Polar	Sweden	9	6	25/7	4	182	392	204	439	53	
	Polo	Denmark	9	9	25/7	3	457	528	512	592	74	
	RZU/P61	Netherlands	9	9	20/7	1	395	395	443	443	48	
	Rainier	U.S.A.	9	8	31/7	5	259	440	290	493	-	
	Rapid	Netherlands	9	5	25/7	3	585	674	656	756	64	
	Rassengold	Germany	9	8	20/7	1	230	230	258	258	48	
	Reptans	Sweden	9	9	25/7	14	456	1325	511	1485	64	
	Roemer	Germany	9	8	20/7	1	325	325	364	364	43	
	Rolax	Belgium	9	6	21/7	3	174	258	195	289	46	
	Roznovska	Czech.	9	8	27/7	6	402	982	451	1101	71	
	Rubin	Sweden	9	9	27/7	5	369	522	414	585	66	
	Rubina	Denmark	9	9	20/7	1	451	451	506	506	48	
	Ruby	Netherlands	9	8	27/7	8	392	1509	439	1692	61	
	Runo	Poland	9	9	20/7	1	478	478	536	536	46	
	Runa	Sweden	9	9	26/7	2	404	554	453	621	-	
	S-59	Gt. Britian	9	6	21/7	8	113	500	127	561	51	
	Sceempter	Netherlands	9	7	21/7	5	217	480	243	538	58	
	Sima	Poland	9	6	15/7	1	37	37	41	41	25	
	Sioux	Netherlands	9	8	21/7	2	415	547	465	613	-	
	Steinacher	Germany	9	8	21/7	8	485	1472	544	1650	66	
	Taborska	Czech.	9	8	25/7	6	365	1204	409	1350	66	
	Taca	Denmark	9	8	25/7	7	448	774	502	868	79	
	Tjelvar	Sweden	9	7	25/7	3	582	669	652	750	76	
	Turf	"	9	8	20/7	1	373	373	418	418	46	
	Viking	"	9	8	31/7	2	254	406	285	455	-	
	Wintergreen	U.S.A.	9	7	10/7	1	72	72	81	81	28	