

Forage Introductions

Northern Research Group
Canada Agriculture Department Branch
Research Station, Beaverlodge, AB

Publication NRG No. 74-16

1974

(2

FORAGE INTRODUCTIONS

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FOREWORD

This is our sixth report on the performance of introduced cultivars of grasses and legumes. All available data are included thus this report replaces all others.

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 if required to ensure complete stands. While many observations are recorded, emphasis is placed on winter hardiness and seed yield.

Key to Symbols

Rating 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

INDEX

G R A S S E S

3)

Species	Cultivar	Origin	Hardi- ness Herbage Yield (rating)	Seed Ripe da.,mo.	Data Years	Seed Yields				Ht. cm	Comments
						lb/acre		kg/ha			
						avg	high	avg	high		
Bentgrass, Colonial (<i>Agrostis tenuis</i>)											
	Astoria	U.S.A.	8	4	15/8	5	55	101	62	113	-
	Boral	Sweden	9	3	12/8	12	170	395	190	442	47
	Exeter	Canada	5	2	7/8	8	90	309	101	346	33
	Highland	U.S.A.	7	3	15/8	5	44	73	49	82	-
	Orbica	Netherlands	8	2	5/8	3	107	148	120	166	27
	Saboval	Gt. Britain	8	2	6/8	4	130	375	146	420	33
	Utverk	Iceland	8	2	7/8	6	132	277	148	310	34
	Varmlandsk	Sweden	8	4	15/8	6	139	250	156	280	35
Bentgrass, Creeping (<i>A. palustris</i>)											
	Penncross	U.S.A.	5	2	5/8	13	65	267	73	299	25
	Seaside	U.S.A.	8	5	15/8	7	63	132	71	148	-
Bentgrass, Velvet (<i>A. canina</i>)											
	Aca 61	Germany	7	1	1/8	2	35	71	39	80	40
	Rusta	Netherlands	7	1	1/8	1	43	43	48	48	30
Bluegrass, Canada (<i>Poa compressa</i>)											
	Canon	Canada	9	4	7/8	9	371	685	416	767	54
	Common	Canada	9	4	30/7	5	122	242	137	271	-
Bluegrass, Kentucky (<i>P. pratensis</i>)											
	Adorno	Netherlands	9	3	22/7	6	236	589	264	660	52
	Altra C1	U.S.A.	9	4	20/7	10	204	528	229	592	43
	Arista	Netherlands	9	3	23/7	8	349	983	391	1101	40
	Atlas	Sweden	9	6	20/7	8	317	518	355	580	79
	Barkenta	Netherlands	9	3	26/7	8	226	523	253	586	44
	Baron	Netherlands	9	3	26/7	8	470	984	526	1102	36
	Campus	Germany	9	3	23/7	8	193	449	216	503	46

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						lb/acre		kg/ha				
						avg	high	avg	high			
	Captan	Netherlands	9	5	20/7	8	396	701	444	785	60	
	Cheri	Sweden	9	3	24/7	8	404	816	453	914	41	
	Common	Canada	9	5	20/7	25	115	587	129	658	53	
	Cougar	U.S.A.	9	3	27/7	12	221	733	248	821	32	
	Delft	Netherlands	9	4	20/7	8	256	645	287	722	51	
	Delta	Canada	9	6	24/7	6	170	561	191	629	58	
	Dryland	Canada	9	3	20/7	6	63	133	71	149	45	
	E.F.S.64	Denmark	9	5	19/7	8	246	430	276	482	63	
	Eagle	Netherlands	9	3	21/7	3	153	420	171	470	42	
	Eska 46	Germany	9	4	20/7	9	162	357	181	400	51	
	Fylking	U.S.A.	9	3	20/7	11	63	274	71	307	34	
	Mahnstein	Denmark	9	4	19/7	8	328	946	367	1060	60	
	Karcage	Hungary	9	3	21/7	3	73	178	82	199	60	
	Kenblue	U.S.A.	9	5	21/7	3	298	669	334	749	65	
	Merion	U.S.A.	9	3	26/7	34	95	297	106	333	46	
	Marvel	Belgium	9	3	22/7	8	206	615	231	689	56	
	Newport	U.S.A.	9	5	30/7	7	105	246	118	276	51	
	Norma Otofte	Denmark	9	4	19/7	8	319	1038	357	1163	61	
	Nugget	U.S.A.	9	3	24/7	9	139	240	155	269	30	
	Olymprisp	Germany	9	4	24/7	8	315	651	353	729	49	
	Otofte	Denmark	9	4	19/7	8	302	964	338	1080	62	
	Park	U.S.A.	9	5	22/7	27	134	448	150	502	58	
	Prato	Netherlands	9	3	22/7	10	205	461	230	517	32	
	Primo	Sweden	9	5	24/7	8	324	719	363	805	55	
	Sobra	Sweden	9	4	18/7	8	271	571	304	640	56	
	Soma Hunsballe	Denmark	9	5	21/7	8	340	1060	381	1187	58	
	Spaths Hohenheimer	Germany	9	3	25/7	8	274	496	307	556	49	
	Stensballe	Denmark	9	5	19/7	8	257	765	288	857	65	
	Stola 310	Germany	9	4	22/7	3	126	290	141	325	60	
	Sydsport	Sweden	9	4	20/7	8	303	580	339	650	63	
	T-No.34	Denmark	9	5	16/7	3	156	235	175	263	49	
	Troy	U.S.A.	9	3	22/7	3	271	669	304	749	63	
	Union	Germany	9	5	19/7	8	241	763	270	855	67	
	Windsor	U.S.A.	9	4	20/7	8	248	709	278	794	59	

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							lb/acre		kg/ha			
							avg	high	avg	high		
Bluegrass, Rough (<i>P. trivialis</i>)												
	Dasas	Denmark	9	4	19/7	8	346	1086	388	1216	61	
	Monopoly	Netherlands	9	3	27/7	9	229	477	256	534	57	
Bluegrass, Upland (<i>P. glaucantha</i>)												
	Draylar	U.S.A.	9	3	8/8	9	224	463	251	463	39	
Bromegrass (<i>Bromus inermis</i>)												
	Achenbach	U.S.A.	9	4	16/8	3	222	324	249	363	-	Southern
	Anto	Poland	9	7	11/8	6	282	718	316	805	86	Northern
	Barton	U.S.A.	9	7	21/8	1	512	512	573	573	100	
	Baylor	U.S.A.	9	6	14/8	9	436	805	488	902	94	Southern
	Beacon	U.S.A.	9	7	21/8	1	789	789	884	884	105	
	Blair	U.S.A.	9	6	14/8	9	407	791	456	886	95	Southern
	Carlton	Canada	9	6	15/8	33	470	1016	526	1138	90	Northern
	Deborah	England	8	1	29/8	1	677	677	758	758	55	
	Frigga	Sweden	9	6	14/8	8	521	1010	584	1131	98	Northern
	"G"	Hungary	9	7	16/8	11	389	736	436	824	100	
	Lancaster	U.S.A.	9	6	15/8	11	419	813	469	911	95	Southern
	Landrace	Hungary	9	7	16/8	6	412	602	461	674	100	
	Lincoln	U.S.A.	9	5	15/8	13	395	951	442	1065	98	Southern
	Lyon	U.S.A.	9	4	17/8	3	251	345	281	386	-	Southern
	Magna	Canada	9	8	13/8	12	739	1246	828	1396	100	Intermediate
	Manchar	U.S.A.	9	7	12/8	32	270	1238	302	1388	89	Intermediate
	Parkland	Canada	9	5	16/8	3	165	229	185	267	-	
	Polar	U.S.A.	9	7	15/8	15	426	948	477	1063	90	Northern
	Redpatch	Canada	9	8	12/8	11	287	599	321	671	96	Southern
	Regar	U.S.A.	9	7	3/8	6	432	848	484	950	98	
	Sac	U.S.A.	9	7	12/8	9	225	565	252	633	94	Southern
	Saratoga	U.S.A.	9	7	13/8	13	200	533	224	597	94	Southern
	"ZK"	Czech.	9	6	11/8	6	310	749	348	840	100	Northern

(6)

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							lb/acre		kg/ha			
							avg	high	avg	high		
Dogstail, Crested (<i>Cynosurus cristatus</i>)												
	Credo Sceempter	Netherlands	4	1	2/8	5	98	103	110	115	45	
	SWM	New Zealand	5	1	2/8	5	140	151	157	169	43	
Fescue, Chewings (<i>Festuca rubra</i> var. <i>Commutata</i>)												
	Amboise	France	9	2	25/7	6	265	677	297	758	50	
	Atlanta	Netherlands	9	1	31/7	1	32	32	36	36	30	
	Barfalla	Netherlands	9	4	24/7	12	173	729	194	816	48	
	Cascade	U.S.A.	9	5	26/7	8	308	757	345	848	58	
	Cebeco	Netherlands	9	3	26/7	9	113	332	127	372	51	
	Cottage	France	8	2	18/7	9	166	310	186	1019	47	
	Dawson	Netherlands	9	4	22/7	12	154	692	173	775	54	
	Encota	Netherlands	9	5	22/7	12	252	857	282	960	50	
	Erika	Sweden	9	4	25/7	12	216	850	242	952	55	
	Famosa	Belgium	9	4	27/7	8	261	681	292	763	49	
	Faramir	Denmark	7	1	29/7	1	2	2	2	2	30	
	Flevo	Netherlands	9	4	22/7	9	221	928	248	1039	55	
	Golfrood	Netherlands	9	5	24/7	16	125	594	140	667	45	
	Highlight	Netherlands	9	4	22/7	21	218	866	244	970	45	
	Jamestown	U.S.A.	9	4	27/7	8	353	960	395	1075	55	
	Koket	Netherlands	9	4	25/7	9	246	599	276	671	55	
	Lifalla	Germany	9	3	22/7	9	261	942	292	1055	52	
	Linora	Germany	9	4	22/7	11	170	642	190	719	52	
	Lirouge	Germany	9	4	22/7	9	241	706	270	791	52	
	Menuet	Netherlands	9	3	30/7	4	207	462	232	517	52	
	Oase	Netherlands	9	5	21/7	14	103	254	115	285	52	
	Odra	Germany	8	3	27/7	3	326	708	365	793	60	
	Rolax	Belgium	9	4	25/7	12	189	581	212	651	55	
	Waldorf	Netherlands	9	3	27/7	3	325	597	364	669	50	