

Forage Introductions

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

Publication NRG No. 72-16

1972

FORAGE INTRODUCTIONS

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1972

FOREWORD

This is our fourth report on the performance of introduced cultivars of grasses and legumes. All available data are included thus this report replaces Publications NRG 69-16, 70-16 and 71-16.

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 if 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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G R A S S E S

Species	Cultivar	Origin	Hardi- ness Herbage Yield (rating)	Seed Ripe da.,mo.	Data Years	Seed Yields lb/acre avg	Seed Yields kg/ha avg	Ht. cm	Comments
Bentgrass (<i>Agrostis gigantea</i>)									
	N.F.G.	Germany	8	1	15/8	3	136	214	152 240 35
Bentgrass - Colonial (<i>A. tenuis</i>)									
	Astoria	U.S.A.	8	4	15/8	5	55	101	62 113 -
	Boral	Sweden	8	4	15/8	8	132	288	148 323 20
	Exeter	Canada	6	2	15/8	3	42	54	47 60 21
	Highland	U.S.A.	7	3	15/8	5	44	73	49 82 -
	Saboval	Gt.Britain	9	1	28/7	1	2	2	2 2 25
	Utverk	Iceland	8	1	10/8	3	85	203	95 227 23
	Varmlandsk	Sweden	8	4	15/8	6	139	250	156 280 20
Bentgrass - Creeping (<i>A. palustris</i>)									
	Penncross	U.S.A.	6	1	15/8	6	29	91	32 102 14
	S-4979	Canada	8	1	15/8	9	74	130	83 146 12
	Seaside	U.S.A.	8	5	15/8	7	63	132	71 148 -
Bluegrass - Canada (<i>Poa compressa</i>)									
	Canon	Canada	9	3	10/8	5	268	461	300 516 52
	Common	Canada	9	4	30/7	5	122	242	137 271 -
Bluegrass - Kentucky (<i>P. pratensis</i>)									
	Adorno	Netherlands	9	3	20/7	4	105	197	118 221 50
	Altra Cl	U.S.A.	9	4	20/7	10	204	528	229 592 43
	Apoll 31	Denmark	9	3	20/7	2	161	309	180 346 62
	Arista	Netherlands	9	3	26/7	2	250	491	280 550 35
	Atlas	Sweden	9	4	20/7	3	288	516	323 578 80
	Barkenta	Netherlands	9	3	26/7	2	246	471	276 528 37
	Baron	"	9	3	2/8	2	423	836	474 936 40
	Campus	Germany	9	3	2/8	2	105	208	118 233 42
	Captan	Netherlands	9	3	24/7	2	366	701	410 785 50
	Common	Canada	9	5	20/7	25	115	587	129 658 53
	Cougar	U.S.A.	9	3	22/7	8	245	733	274 821 30

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		
	Dasas	Denmark	9	3	20/7	2	191	373	214	418	55
	Delft	Netherlands	9	3	2/8	2	79	148	88	166	42
	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	3	22/7	2	220	430	246	482	55
	Fylking	U.S.A.	9	3	20/7	8	69	274	77	307	35
	Golf	Sweden	9	3	28/7	2	435	816	487	914	40
	Hg. 7217	Denmark	9	5	28/8	1	1005	1005	1126	1126	55
	Hg. 7222	"	9	1	1/8	1	48	48	54	54	40
	Kahnstein	"	9	3	20/7	2	210	412	235	461	60
	Merion	U.S.A.	9	3	24/7	27	93	265	104	297	38
	Mervel	Belgium	9	3	24/7	3	161	345	180	386	55
	Monopoly	Netherlands	9	3	28/7	2	110	208	123	233	52
	Newport	U.S.A.	9	5	30/7	7	105	246	118	276	51
	Norma Otofte	Denmark	9	3	20/7	2	221	430	248	482	55
	Nugget	U.S.A.	9	3	24/7	9	139	240	155	269	30
	Olympriap	Germany	9	3	2/8	2	287	542	321	607	47
	Otofte	Denmark	9	3	20/7	2	213	407	239	456	53
	Park	U.S.A.	9	6	24/7	18	115	448	129	502	52
	Prato	Netherlands	9	3	22/7	10	205	461	230	517	30
	Primo	Sweden	9	4	20/7	3	275	491	308	550	60
	SK-46	Poland	9	4	20/7	9	162	357	181	400	51
	Sobra	Sweden	9	2	20/7	2	141	252	158	282	50
	Soma Hunsballe	Denmark	9	3	24/7	3	227	468	254	524	55
	Spaths Hohenheimer	Germany	9	2	27/7	2	169	329	189	368	45
	Stensballe	Denmark	9	3	22/7	2	170	331	190	371	60
	Sydsport	Sweden	9	4	20/7	3	249	459	279	514	65
	T-No. 34	Denmark	9	5	16/7	3	156	235	175	263	49
	Windsor	U.S.A.	9	2	22/7	2	125	240	140	269	47
Bluegrass - Upland (P. glaucantha)											
	Draylar	U.S.A.	9	3	15/8	8	164	252	184	282	40