

Forage Introductions

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FORAGE INTRODUCTIONS

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FOREWORD

This is our ninth report on the performance of introduced cultivars of grasses and legumes seeded in single plots at Beaverlodge. All data collected in the past 10 years are included. A supplementary report, entitled "Forage Cultivar Trials - Publication 79-16B", presents data from replicated trials throughout northern Alberta.

Data are obtained from single plots comprising of 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.

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Key to Symbols

* following cultivar name indicates standards (std) for comparison; % of STD - presents yield of introduction as a percentage of the standard (*) for that species but only for those years when both were on trial:
 Rating 1 to 9 (9 best), - (not rated); cm - centimeters (1 inch = 2.54 cm); kg/ha - kilograms per hectare.

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GRASSES			SEED YIELD					HERBAGE (DM) YIELD			COMMENTS
SPECIES	CULTIVAR	ORIGIN	DATA YRS	H A N R E D S I S -	DATE RIPE DA/MO	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA	
BENTGRASS, COLONIAL (AGROSTIS TENUIS)											
	ASTORIA	U.S.A.	3	8	30/07	105	95	46	8	.6	85
	BORAL	SWEDEN	9	7	05/08	181	241	43	7	.5	125
	EKO	SWEDEN	3	9	30/07	76	69	51	9	.4	57
	EXETER *	U.S.A.	16	7	05/08	84	100	36	7	.4	100
	GOGINAN	UNITED KINGDOM	1	4	*	0	*	*	4	.0	*
	HIGHLAND	U.S.A.	3	8	02/08	20	18	41	8	.3	42
	HOLFIOR	NETHERLANDS	3	8	30/07	90	82	43	8	.7	100
	LIGRETTE	GERMANY	1	7	*	0	*	*	7	.0	*
	ORBICA	NETHERLANDS	7	6	07/08	69	61	30	6	.3	75
	PARYS MOUNTAIN	UNITED KINGDOM	1	5	*	0	*	*	5	.0	*
	SABOVAL	UNITED KINGDOM	7	8	02/08	103	106	34	8	.4	100
	TRACEMO	NETHERLANDS	3	8	30/07	132	120	48	8	.7	100
	UTVERK	ICELAND	9	7	03/08	114	134	37	8	.3	75
	VARMLANDSK	SWEDEN	3	5	14/08	133	425	41	5	.4	133
BENTGRASS, CREEPING (AGROSTIS PALUSTRIS)											
	PENNCROSS *	U.S.A.	14	6	04/08	44	100	40	6	.3	100
BENTGRASS, VELVET (AGROSTIS CANINA)											
	ACA 61 *	GERMANY	3	5	01/08	25	100	40	5	.0	*
	RUSTA	NETHERLANDS	3	4	01/08	15	60	30	4	.0	*
BLUEGRASS, CANADA (POA COMPRESSA)											
	CANON *	CANADA	12	8	05/08	371	100	52	8	.8	100
BLUEGRASS, KENTUCKY (POA PRATENSIS)											
	ADELPHI	U.S.A.	6	8	26/07	71	53	46	8	.8	66
	ALTRA C1	U.S.A.	2	9	26/07	95	76	40	9	1.3	120
	AQUILA	NETHERLANDS	6	8	23/07	162	120	43	8	1.0	75
	ARENA	NETHERLANDS	3	9	23/07	171	133	64	9	1.6	136
	ARINA DASAS	DENMARK	6	8	21/07	268	200	68	9	1.5	116
	ARISTA	NETHERLANDS	3	9	19/07	528	216	41	9	.7	58

GRASSES			SEED YIELD					HERBAGE (DM) YIELD			COMMENTS	
SPECIES	CULTIVAR	ORIGIN	DATA YRS	H A N R E D S I S -	DATE RIPE DA/MO	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA		% OF STD
BLUEGRASS, KENTUCKY (POA PRATENSIS)												
	ATLAS	SWEDEN	3	9	16/07	293	120	81	9	1.7	133	
	BARFORTO	NETHERLANDS	3	9	23/07	165	128	52	9	1.4	118	
	BARKENTA	NETHERLANDS	3	8	26/07	255	104	48	8	.7	58	
	BARMEZZO	NETHERLANDS	3	9	23/07	103	80	41	9	.8	72	
	BARON	NETHERLANDS	3	9	24/07	596	244	38	9	.8	66	
	BARONES	NETHERLANDS	6	8	24/07	173	129	49	8	.8	66	
	BARONIE	NETHERLANDS	6	8	26/07	61	45	41	8	.8	66	
	BARTENSE	NETHERLANDS	3	9	23/07	219	170	53	9	1.3	109	
	BARTISSIMO	NETHERLANDS	3	9	23/07	99	77	45	8	.6	54	
	BIRKA	SWEDEN	6	8	26/07	114	85	50	8	1.2	91	
	BRISTOL	U.S.A.	3	9	23/07	133	103	47	9	.6	54	
	CAMPINA	NETHERLANDS	3	9	23/07	187	145	57	9	.6	54	
	CAMPUS	GERMANY	3	8	21/07	213	87	46	8	.6	50	
	CAPTAN	NETHERLANDS	3	9	18/07	408	167	60	9	1.6	125	
	CONTINENTAL	NETHERLANDS	6	8	26/07	201	150	43	8	1.0	75	
	COUGAR	U.S.A.	2	9	30/07	169	136	29	9	.8	80	
	DELFT	NETHERLANDS	3	8	17/07	430	176	51	8	.8	66	
	DELTA	CANADA	3	9	20/07	116	90	70	9	1.0	81	
	DRYLAND	CANADA	2	9	26/07	35	28	44	9	1.0	90	
	E.F.	DENMARK	3	9	18/07	211	86	60	9	1.5	116	
	EAGLE	NETHERLANDS	12	8	22/07	99	54	40	8	.7	63	
	ENMUNDI	NETHERLANDS	3	9	23/07	132	102	45	9	.8	72	
	ENOBLE	NETHERLANDS	3	8	22/07	122	94	54	8	1.0	81	
	ENPRIMA	NETHERLANDS	3	9	20/07	323	251	53	9	1.0	81	
	ENSEMA	NETHERLANDS	6	8	20/07	281	209	67	8	1.6	125	
	ENTENSA	NETHERLANDS	6	7	24/07	47	35	55	7	.7	58	
	FYLKING	SWEDEN	2	9	29/07	48	38	30	9	.7	70	
	GARDI	NETHERLANDS	3	9	23/07	156	121	36	9	.6	54	
	GERONIMO	NETHERLANDS	3	9	20/07	232	180	53	9	1.0	81	
	GOLF (CHERI)	SWEDEN	3	9	21/07	486	199	38	9	.7	58	
	HOLT	NORWAY	3	9	20/07	66	51	59	9	1.2	100	
	KAHNSTEIN	GERMANY	3	9	17/07	583	238	60	9	1.0	75	
	KARCAGI	HUNGARY	9	8	21/07	127	62	63	8	.8	72	
	KENBLUE	U.S.A.	12	8	19/07	290	157	69	8	1.3	109	
	KIMONO	NETHERLANDS	3	8	23/07	120	93	40	8	.8	72	
	MERION	U.S.A.	5	8	26/07	148	81	46	8	.6	75	

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BLUEGRASS, KENTUCKY (POA PRATENSIS)												
	MERVEL	BELGIUM	3	9	17/07	367	150	61	9	1.0	75	
	MONOPOLY	NETHERLANDS	9	8	27/07	256	126	55	8	.7	63	
	MOSA	NETHERLANDS	3	9	23/07	120	93	48	9	.6	54	
	NEWPORT	U.S.A.	3	9	23/07	266	206	57	9	.6	54	
	NORMA OTOFTE	DENMARK	3	9	17/07	564	231	60	9	1.4	108	
	NUGGET	U.S.A.	2	9	30/07	163	131	26	9	.7	70	
	OLYMPRISP	GERMANY	3	9	22/07	432	177	50	9	1.0	75	
	ONAR	NETHERLANDS	3	8	23/07	88	68	55	8	.6	54	
	OTOFTE	DENMARK	3	9	17/07	469	192	61	9	1.1	83	
	PARADE	NETHERLANDS	6	8	26/07	129	96	51	8	1.0	75	
	PARK *	U.S.A.	15	8	21/07	169	100	59	8	1.2	100	
	PION	NETHERLANDS	3	9	23/07	51	40	59	9	1.1	90	
	PRATO	NETHERLANDS	2	9	29/07	202	163	31	9	.8	80	
	PRIMO	SWEDEN	3	9	21/07	299	122	53	9	1.1	83	
	SK-46 (ESKA)	GERMANY	3	9	22/07	162	143	49	9	1.3	109	
	SOBRA	SWEDEN	3	9	20/07	384	157	55	9	1.4	108	
	SOMA HUNSBALLE	DENMARK	3	9	17/07	582	238	63	9	1.3	100	
	SPATHS HOHENHEIMER	GERMANY	3	8	23/07	385	157	50	8	.6	50	
	STENSBALLE	DENMARK	3	9	17/07	402	164	61	9	1.3	100	
	STOLA 310	GERMANY	12	8	23/07	138	75	63	8	1.2	100	
	SVING	SWEDEN	6	8	23/07	436	233	48	8	1.1	90	
	SYDSPORT	SWEDEN	3	8	20/07	355	145	61	8	.8	66	
	T-NO.34	DENMARK	1	9	10/07	118	132	43	9	1.3	100	
	TRANSILVANIA	ROMANIA	6	8	22/07	142	105	69	8	1.2	91	
	TROY	U.S.A.	12	8	21/07	189	103	69	8	1.1	90	
	TURNIER	GERMANY	3	9	23/07	107	83	49	9	.7	63	
	UNION	GERMANY	3	9	21/07	368	150	68	9	1.4	108	
	VANTAGE	U.S.A.	3	9	22/07	15	12	62	9	1.1	90	
	VICTA	U.S.A.	3	9	23/07	329	255	49	9	.7	63	
	WINDSOR	U.S.A.	3	9	21/07	390	160	56	9	1.2	91	
BLUEGRASS, ROUGH (POA TRIVIALIS)												
	DASAS *	DENMARK	9	9	21/07	367	100	59	9	1.0	100	