Forage Introductions NRG 75-16

1975

Northern Research Group Acanada Agriculture Research Branch Research Station, Beaverlodge

FORAGE INTRODUCTIONS

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1975

FOREWORD

This is our seventh report on the performance of introduced cultivars of grasses and legumes. All data collected in the past 10 years are included.

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 * following cultivar name indicates standards (std) for comparison Rating 1 to 9 (9 best), - (not rated)	<pre>cm - centimeters (1 inch = 2,54 cm) kg/ha - kilograms per hectare lb/acre - pounds per acre</pre>	D.C. = double cut S.C. = single cut Tetra = tetraploid Dip. = diploid
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- K - K - S - U Bromegrass Dogstail, Crest Fescue - C - C - H - H - H - H - M - S - S - T T Foxtail - C	- Hard - Meadow	8 Wheatg		Beardless	16	Trefoil	24
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			GRA	PAGE 3								
					SEED	YIELO			HERBAGE (DM)		1) YIELD)
SPECIES CULTIVAR	ORIGIN	DATA YRS	H R E D S I S	DATE RIPE DA/MU	KG / HA	% OF STD	нт См	H A N R E D S I S	TONS / HA	% OF STD	COMMENTS	

BENTGRASS	COLOMIAL (AGROSTIS T	ENUIS)										
	BORAL	SWEDEN	6	6	08/08	169	296	40	6	•5	166	
	EXETER *	CANADA	12	6	06/08	75	100	33	6	.3	100	
	GUGINAN	UNITER KINGDOM	1	4	*	0	*	*	4	• 0	*	
	URBICA BADYO MOUNTAIN	NETHERLANDS	6	6	03/08	67	59	27	6	•5	66	
	PARYS MOUNTAIN	UNITER KINGDOM	1	5	*	0	*	*	5	• 0	*	
	SABOVAL UTVERK	UNITED KINGDOM	6 8	8	02/08	114	121	33	8	د.	100	
	VARMLANDSK	ICELAND	3	7	04/08	114	139	36	7 5	•2	66	
	VARMLANDSH	SMEDEN	2	5	14/08	133	425	41	2	• 4	133	
BENTGRASS	• CREEPING (AGRUSTIS P	ALUSTRIS)										
	PENNCROSS *	U.S.A'	14	6	05/08	51	100	39	6	د.	100	
BENTGRASS	. VELVET (AGROSTIS CAN	TNA)										
	ACA b} *	GERMANY	3	5	01/08	25	100	40	5	• Ŭ	*	
	RUSTA	NETHERLANDS	3	4	01/08	15	60	30	4	• 0	*	
BLUEGRASS	. CANADA (POA COMPRESS	A)										
	CANON *	CANADA	11	8	05708	387	100	52	8	• 7	100	
BLUEGRASS	- KENTUCKY (PCA PRATEN	SIS)										
	ADELPHI	U.S.A.	1	7	23/07	15	12	35	7	• 1	20	
	ALTRA C1	U.S.A.	6	9	20/07	244	127	39	9	1.1	90	
	AQUILA	NETHEPLANDS	1	8	23/07	89	73	40	8	• 4	80	
	ARINA DASAS	DENMARK	1	8	14/07	146	120	60	9	.8	160	
	ARISTA	NETHERLANDS	3	9	19/07	528	216	41	9	•7	58	
	ATLAS	SWEDEN	3	9	16/07	293	120	81	9	1.7	133	
	BARKENTA	NETHERLANDS	3	8	56/01	255	104	48	8	•1	58	
	BARON	NETHERLANDS	3	9	24/07	596	244	38	9	.8	66	
	BARONES	NETHERLANDS	1	6	23/07	38	31	45	6	• 1	20	
	BARONIE	NETHERLANDS	1	7	23/07	69	56	40	7	• 1	50	
	BIRKA	SWEDE*1	1	8	23/07	17	14	40	8	•5	40	
	CANPUS	GERMANY	3	8	21/07	213	87	46	8	•6	50	
		NETHERLANDS	3	2	18/07	408	167	60	9	1.6	125	
	CONTINENTAL	NETHEPLANDS	1	7	23/07	73	60	35	7	•5	40	
	COUGAR	U.S.A.	3	9	24/07	227	178	33	9	•7	77	

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GRASSES

			SEED YIELD							HERBAGE (DM) YIELD					
SPECIES CULTIVAR	ORIGIN	DATA YRS	H A N R E U S I S	DATE RIPE Dazmo	KG/ HA		нт См	H AN KE US IS	TONS / HA	X OF Std	- Comments				
BLUEGRAS	S, KENTUCKY (POA PRATENSIS)														
	DELFT	NETHERLANDS	3	8	17/07	430	176	51	8	.8	66				
	DRYLAND	CANADA	6	9	20/07	69	36	44	9	.6	54				
	E.F.	DENMARK	3	9	18/07	211	86	60	9	1.5	116				
	EAGLE	NETHERLANDS	6	8	20/07	171	74	39	8	•5	62				
	ENSEMA	NETHERLANDS	1	9	14/07	406	333	65	8	•8	160				
	ENTENSA	NETHERLANDS	1	5	23/07	12	10	55	5	• 4	80				
	FYLKING	U.S.A.	3	9	23/07	73	57	31	9	• 8	88				
	GOLF (CHERI)	SWEDEN	3	9	21/07	486	199	38	9	•7	58				
	KAHNSTEIN	DENMARK	3	9	17/07	583	238	60	9	1.0	75				
	KARCAGI	HUNGARY	6	8	19/07	123	55	62	8	.0	75				
	KENBLUE	U.S.A.	6	8	17/07	333	144	65	8	1.0	112				
	MERION	U.S.A.	a	8	22/07	208	82	46	8	•7	63				
	MERVEL	BELGIUM	2	9	15/07	207	276	60	9	•5	71				

KENBLUE	U.S.A'	6	8	17/07	333	144	65	8	1.0	112
MERION		э	8	22/07	208	82	46	8	•7	63
MERVEL	BELGIUM	2	9	15/07	207	276	60	9	.5	71
NONDPOLY	NETHERLANDS	6	8	26/07	272	117	51	8	.6	75
NORMA OTOFTE	DENMARK	3	9	17/07	564			9		108
NUGGEI	U.S.A.	6	9	23/07	168	87		9	.5	45
ULYMPRISP		3	9	22/07	432	177		9	1.0	75
OTOFIE	DENMARK	3	9	17/07	469	192	61	9	1.1	83
PARADE	NETHEPLANDS	1	6	23/07	805	170	40	6	•5	40
PARK *	U.S.A	15	8	19/07	193	100	52	8	1.1	100
PRATO	NETHERLANDS	6	9	21/07	260	136	30	9	•7	63
PRIMO	SWEDEN	3	9	21/07	299	122		9	1.1	83
SK-46 (FSKA)	GERMANY	6	9	19/07	211	167	52	9	1.2	100
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		50
STENSPALLE	DEIMARK	3	9	17/07	402	164	61	9	1.3	100
STOLA 310	GERMANY	6	8	20/07	151	65	59	8	•7	87
SYDSPORT	SWEDEN	3	8	20/07	355	145	61	8	.8	66
T=N0.34	DENMARK	3	9	15/07	174	139	49	9	1.3	100
TRANSILVANIA	RUMANTA	1	8	23/07	68	55	65	8	.6	120
TROY	U.S.A'	6	8	19/07	550	95	60	8	.6	75
UNION	GERMANY	3	9	21/07	368	150	68	9	1.4	108
WINDSOR	U.S.A	3	9	21/07	390	160	56	9	1.2	91
	MERION MERVEL MONDPOLY MORMA DIOFIE NUGGEI ULYMPRISP OTOFIE PARADE PARADE PARK * PRATO PFIMO SK-46 (FSKA) SOBRA SOMA HUNSRALLE STOLA 310 SYDSPORT T=N0.34 TRANSILVANIA TROY UNION	MERIONU.S.A.MERVELBELGIIMMONDFOLYNETHEPLANDSMORMA OTOFTEDENMARKNUGGEIU.S.A.ULYMPRISPGERMANYOTOFTEDENMARKPARADENETHEPLANDSPARADENETHEPLANDSPARATONETHERLANDSSK-46 (FSKA)GERMANYSOMRASWEDENSOMRASWEDENSOMRAGERMANYSTENSPALLEDEIMARKSTOLA 310GERMANYSYDSPORTSWEDENT=N0.34DENMARKTROYU.S.A.UNIONGERMANY	MERJÓNU.S.A.9MERVELBELGIUM2MONOPOLYNETHEPLANDSMORMA OTOFTEDENMARKMUGGEJU.S.A.UTOFTEDENMARKJOTOFTEDENMARKJOTOFTEDENMARKPARADENETHEPLANDSPARADENETHEPLANDSPRATONETHEPLANDSPRATONETHEPLANDSPRATOSWEDENSK-46 (FSKA)GERMANYSOMA HUNSRALLEDENMARKSTENSRALLEDENMARKSTOLA 310GERMANYSYDSPDRTSWEDENSYDSPDRTSWEDENTHO.34DENMARKTROYU.S.A.UNIONGERMANYGERMANY3	MERION U.S.A. 9 8 MERVEL BELGIUM 2 9 MONDPOLY NETHEPLANDS 6 8 MORMA OTOFTE DENMARK 3 9 NUGGEI U.S.A. 6 9 ULMPRISP GERMANY 3 9 OTOFTE DENMARK 3 9 PARADE NETHEPLANDS 1 6 PARADE NETHEPLANDS 1 6 PARADE NETHEPLANDS 6 9 VITOFTE DENMADK 3 9 PARADE NETHEPLANDS 1 6 PARADE NETHEPLANDS 6 9 SUBTOR SweDEN 3 9 SK-46 (FSKA) GERMANY 6 9 SOBRA SweDEN 3 9 9 SOBRA SweDEN 3 9 9 9 SOBRA BENMARK 3 9 9 9	MERJÓN U.S.J. 9 8 22/07 MERVEL BELGIUM 2 9 15/07 MONDFOLY NETHEPLANDS 6 8 26/07 MORMA OTOFTE DENMARK 3 9 17/07 NUGGEI U.S.A. 6 9 23/07 ULYMPRISP GERMANY 3 9 22/07 VIOFTE DENMARK 3 9 17/07 PARADE NETHEPLANDS 1 6 23/07 VIOTOFTE DENMARK 3 9 17/07 PARADE NETHEPLANDS 1 6 23/07 PRATO NETHEPLANDS 1 6 23/07 PRATO NETHEPLANDS 1 6 23/07 SK-46 (FSKA) SwEDEN 3 9 21/07 SOBRA SwEDEN 3 9 21/07 SOBRA 9 10/07 SOBRA BUENNET SwEDEN 3 9	MERION U.S.A. 9 8 22/07 208 MERVEL BELGIUM 2 9 15/07 207 MORNDOLY NETHEPLANDS 6 8 26/07 272 MORMA OTOFTE DENMARK 3 9 17/07 564 NUGGEI U.S.A. 6 9 23/07 168 UTOFTE DENMARK 3 9 12/07 364 UTOFTE DENMARK 3 9 12/07 364 PARADE NETHEPLANDS 1 6 23/07 168 UTOFTE DENMARK 3 9 12/07 260 PARADE NETHEPLANDS 1 6 23/07 260 PKINO SWEDEN 3 9 21/07 299 SK=46 (FSKA) GERMANY 3 9 20/07 384 SOBRA SWEDEN 3 9 17/07 50 38 STENSPALLE	MERION U.S.A. 9 8 22/07 208 62 MERVEL BELGIIM 2 9 15/07 207 276 MORDODLY NETHEPLANDS 6 8 26/07 272 117 MORMA OTOFTE DENMARK 3 9 17/07 564 231 NUGGE1 U.S.A. 6 9 23/07 168 87 ULYMPRISP GERMANY 3 9 22/07 432 177 OTOFTE DENMARK 3 9 17/07 469 192 PARADE NETHEPLANDS 1 6 23/07 208 170 PARADE SHDEN 3 9 21/07 260 136 PHIMU SWEDEN 3 9 17/07 582	MERION U.S.A. 9 8 22/07 208 82 46 MERVEL BELGIUM 2 9 15/07 207 276 60 MORMOTOLY NETHEPLANDS 6 8 26/07 207 276 60 MUGGE U.S.A. 6 9 23/07 168 87 28 ULYMPRISP GERMANY 3 9 22/07 432 177 50 OTOFTE DENMAPK 3 9 17/07 564 231 60 VUMPRISP GERMANY 3 9 22/07 432 177 50 OTOFTE DENMAPK 3 9 17/07 409 192 61 PARADE NETHEPLANDS 1 6 23/07 100 52 PRATO NETHEPLANDS 1 6 9 21/07 201 136 30 PRATO NETHEPLANDS 1 6 9 21/07 280 136 30 SK-46 (FSKA) GERMANY	MERION U.S.A. 9 8 22/07 208 82 46 8 MERVEL BELGTIM 2 9 15/07 207 276 60 9 MORMA OTOFTE BENBARK 3 9 17/07 264 231 60 9 NUGGE1 U.S.A. 6 9 23/07 168 87 28 9 UTOFTE DENMARK 3 9 17/07 564 231 60 9 UTOFTE DENMARK 3 9 17/07 469 192 61 9 UTOFTE DENMARK 3 9 17/07 409 192 61 9 PARADE NETHEPLANDS 1 6 23/07 208 170 40 6 PAKK U.S.A. 15 8 19/07 218 100 52 8 PRATO NETHEPLANDS 1 6 9 21/07 260 136 30 9 SK=40 (FSKA) GERMANY 3 <td>MERION U.S.A. 9 8 22/07 208 82 46 8 7 MERVEL BELGINM 2 9 15/07 207 276 60 9 .5 MONDOLY NETHEPLANDS 6 8 26/07 272 117 51 8 .6 MORMA OTOFTE DENMARK 3 9 17/07 564 231 60 9 .4 NUGGE1 U.S.A. 6 9 23/07 168 87 28 9 .5 ULMPRISP GERMANY 3 9 22/07 432 177 50 9 1.0 PARADE DENMADK 3 9 17/07 469 192 61 9 1.1 PARADE NETHEPLANDS 1 6 23/07 208 170 40 6 2 PARADE NETHEPLANDS 1 6 23/07 208 170 40 6 2 PARADE NETHEPLANDS 3 9 21/07 260<!--</td--></td>	MERION U.S.A. 9 8 22/07 208 82 46 8 7 MERVEL BELGINM 2 9 15/07 207 276 60 9 .5 MONDOLY NETHEPLANDS 6 8 26/07 272 117 51 8 .6 MORMA OTOFTE DENMARK 3 9 17/07 564 231 60 9 .4 NUGGE1 U.S.A. 6 9 23/07 168 87 28 9 .5 ULMPRISP GERMANY 3 9 22/07 432 177 50 9 1.0 PARADE DENMADK 3 9 17/07 469 192 61 9 1.1 PARADE NETHEPLANDS 1 6 23/07 208 170 40 6 2 PARADE NETHEPLANDS 1 6 23/07 208 170 40 6 2 PARADE NETHEPLANDS 3 9 21/07 260 </td

BLUEGRASS, ROUGH (POA TRIVIALIS)

DASAS *	DENMARK	1	9	14/07	212	100	45	9	.8	100
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GRASSES

			SEEC YIELD						HERBAGE (DM) YIELD			
	SPECIES CULTIVAR	ORIGIN	DATA YRS	H R E D S I S	DATE RIPE Da/Mo	KG/ HA	X OF STD	HT CM	н	TUNS / HA	% UF Std	CUMMENTS
ſ	BLUEGRASS, UPLAND (POA GLAUCANTH	۵)										
	DRAYLAR *	POLAND	9	9	07/08	249	100	38	9	•7	100	
٢	BROMEGRASS (BROMUS INERMIS)											
	" (; "	HUNGARY	8	9	13/08	446	60	94	9	1.6	125	
	"ŽK"	CZECHOSLOVAKIA	6	9	10/08	347	101	97	, 9	1.5	82	
	ANTO	POLAND	6	9	10/08	314	92	83	9	1.7	94	
	BARAGAN	RUMANTA	1	8	11/08	477	72	95	é.	1.4	162	
	BARTON	U.S.A	3	8	13/08	556	80	93	8	1.2	137	
	BAYLOR	U.S.A	9	9	13/08	488	71	94	9	1.4	92	
	BEACON	POLAND	4	8	05/08	523	96	92	8	1.1	111	
	BLAIR	U.S.A'	9	9	13/08	455	66	95	9	1.5	100	
	CARLTON *	CANADA	27	8	13/08	585	100	87	8	1.6	100	
	DEBORAH	UNITED KINGDOM	3	5	25/08	295	42	50	5	.0		
	FRIGGA	SWEDEN	9	9	13/08	572	77	95	9	1.5	100	
	LANCASTER	U.S.A	9	9	13/08	560	76	92	9	1.5	100	
	LANDRACE	USA	8	ģ	13/08	445	59	96	8	1.6	125	
	LINCOLN	USA	6	Ŕ	12/08	721	104	97	8	2.0	163	
	MAGNA	CANADA	12	9	12/08	826	141	99	9	1.9	121	
	MANCHAR	U.S.A.	12	9	12/08	388	87	87	9	1.7	100	
	POLAR	U.S.A	15	9	12/08	467	98	89	9	1.0	93	
	REDPATCH	CANADA	12	8	11/08	309	59	94	8	1.9	106	
	REGAR	U.S.A.	8	9	01/08	481	64	94	9	1.6	125	
	SAC	USA	9	9	11/08	250	58	91	9	1.0	88	
	SARATOGA	U.S.A	3	9	13/08	284	47	94	9	1.2	64	
	DOGSTAIL, CRESTED (CYNOSURUS CFI	STATUS)										
	CREDU SCEFMPTER * Swm	NETHFOLANDS NEW ZFALAND	4	3 3	01/08 01/08	53 78	100 145	45 42	3 3	• 0 • 1	*	
	FESCUE, CHEWINGS (FESTUCA RUBRA	VAR. COMMUTATA)										
	AMBOISE	FRANCE	6	8	22/07	187	109	48	8	•2	83	
	ATLANTA	RETHERLANDS	3	8	22/07	176	113	43	8	د.	50	
	BARFALLA	NETHERLANDS	9	8	22/07		157	45	8	.8	50 88	
	CASCADE	U.S.A	6	8	24/07	288	209	64	8	1.1		
	COTTAGE (PRUINDSA)	FRANCE	š	8	19/07	200	6	25	8	.5	166 60	
	DAWSON	NETHERLANDS	9	8	23/07	1 4 4	167	52	8	•8	88	

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