

Forage Introductions

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FORAGE INTRODUCTIONS

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FOREWORD

This is our eighth 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 of 3 rows, 30.3 cm (1 foot) apart and 8.1 metres (20 feet) long. Two rows are harvested for herbage and the remaining 1 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.

Mr. Leo Midderman's assistance with data processing is gratefully acknowledged.

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.

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD			COMMENTS
			DATA YRS	H A N R E D S I S	DATE RIPE	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.	1	9	25/07	35	41	60	9	1.2	100
	BORAL	SWEDEN	7	7	06/08	171	278	45	7	.5	125
	EKO	SWEDEN	1	9	25/07	166	191	65	9	.5	45
	EXETER *	CANADA	14	7	06/08	78	100	36	6	.4	100
	GOGINAN	UNITED KINGDOM	1	4	*	0	*	*	4	.0	*
	HIGHLAND	U.S.A.	1	9	03/08	24	28	45	9	.4	36
	HOLFIOR	NETHERLANDS	1	9	25/07	75	85	60	9	1.3	109
	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	1	9	25/07	105	120	60	9	1.4	118
	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.	15	6	05/08	48	100	39	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.	3	8	29/07	47	33	45	8	.8	61
	ALTRA C1	U.S.A.	5	9	20/07	239	122	39	9	1.2	100
	AQUILA	NETHERLANDS	4	8	24/07	227	140	45	8	1.2	84
	ARENA	NETHERLANDS	1	9	25/07	418	182	80	9	2.6	171

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD				HERBAGE (DM) YIELD				COMMENTS
			DATA YRS	H A N R E D S I S -	DATE RIPE	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA	

BLUEGRASS, KENTUCKY (POA PRATENSIS)											
	ARINA DASAS	DENMARK	4	8	23/07	283	174	70	9	1.6	115
	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
	BARFORTO	NETHERLANDS	1	9	25/07	388	169	70	9	2.3	150
	BARKENTA	NETHERLANDS	3	8	26/07	255	104	48	8	.7	58
	BARON	NETHERLANDS	3	9	24/07	596	244	38	9	.8	66
	BARONES	NETHERLANDS	4	8	25/07	227	140	55	8	1.0	69
	BARONIE	NETHERLANDS	4	8	28/07	58	35	43	8	1.0	69
	BARTENSE	NETHERLANDS	1	9	25/07	245	106	70	9	1.6	107
	BARTISSIMO	NETHERLANDS	1	9	25/07	59	25	65	9	1.1	71
	BIRKA	SWEDEN	4	8	28/07	138	85	55	8	1.1	76
	BRISTOL	U.S.A.	1	9	25/07	190	82	75	9	.8	57
	CAMPINA	NETHERLANDS	1	9	25/07	290	126	70	9	1.0	64
	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	4	8	28/07	208	128	47	8	1.0	69
	COUGAR	U.S.A.	3	9	24/07	227	178	33	9	.7	77
	DELFT	NETHERLANDS	3	8	17/07	430	176	51	8	.8	66
	DELTA	CANADA	1	9	25/07	123	53	80	9	.8	57
	DRYLAND	CANADA	5	9	20/07	68	34	44	9	.7	63
	E.F.	DENMARK	3	9	18/07	211	86	60	9	1.5	116
	EAGLE	NETHERLANDS	10	8	21/07	117	57	41	8	.7	63
	ENMUNDI	NETHERLANDS	1	9	25/07	146	63	70	9	1.4	92
	ENOBLE	NETHERLANDS	1	9	25/07	163	71	65	9	1.1	71
	ENPRIMA	NETHERLANDS	1	9	25/07	281	122	60	9	1.2	78
	ENSEMA	NETHERLANDS	4	8	21/07	346	213	68	7	1.6	115
	ENTENSA	NETHERLANDS	4	7	25/07	52	32	63	7	.8	61
	FYLKING	SWEDEN	3	9	23/07	73	57	31	9	.8	88
	GARDI	NETHERLANDS	1	9	25/07	172	75	50	9	.6	42
	GERONIMO	NETHERLANDS	1	9	25/07	148	64	65	9	1.0	64
	GOLF (CHERI)	SWEDEN	3	9	21/07	486	199	38	9	.7	58
	HOLT	NORWAY	1	9	25/07	146	63	65	9	1.7	114
	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.	10	8	20/07	321	156	70	8	1.3	109
	KIMONO	NETHERLANDS	1	9	25/07	137	60	55	9	1.4	92
	MERION	U.S.A.	8	8	23/07	155	75	43	8	.6	60
	MERVEL	BELGIUM	3	9	17/07	367	150	61	9	1.0	75

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			DATA YRS	H A N R E D S I S -	DATE RIPE	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA	% OF STD	

BLUEGRASS, KENTUCKY (POA PRATENSIS)												
	MONOPOLY	NETHERLANDS	9	8	27/07	256	126	55	8	.7	63	
	MOSA	NETHERLANDS	1	9	25/07	168	73	80	9	.8	57	
	NEWPORT	U.S.A.	1	9	25/07	468	203	75	9	.6	42	
	NORMA OTOFTE	DENMARK	3	9	17/07	564	231	60	9	1.4	108	
	NUGGET	U.S.A.	5	9	23/07	187	95	28	9	.6	54	
	OLYMPRISP	GERMANY	3	9	22/07	432	177	50	9	1.0	75	
	ONAR	NETHERLANDS	1	9	25/07	202	88	75	9	1.1	71	
	OTOFTE	DENMARK	3	9	17/07	469	192	61	9	1.1	83	
	PARADE	NETHERLANDS	4	8	28/07	168	103	56	8	1.1	76	
	PARK *	U.S.A.	18	8	21/07	189	100	57	8	1.2	100	
	PION	NETHERLANDS	1	9	25/07	100	43	80	9	1.7	114	
	PRATO	NETHERLANDS	5	9	21/07	269	137	30	9	.8	72	
	PRIMO	SWEDEN	3	9	21/07	299	122	53	9	1.1	83	
	SK-46 (ESKA)	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	.6	50	
	STENSBALLE	DENMARK	3	9	17/07	402	164	61	9	1.3	100	
	STOLA 310	GERMANY	10	8	24/07	161	78	65	8	1.2	100	
	SUPRA	U.S.A.	1	9	*	0	*	9		.0		
	SVING	SWEDEN	1	9	25/07	397	173	70	9	1.5	100	
	SYDSPORT	SWEDEN	3	8	20/07	355	145	61	8	.8	66	
	T-NO.34	DENMARK	3	9	15/07	174	139	49	9	1.3	100	
	TRANSILVANIA	RUMANIA	4	8	23/07	159	97	71	8	1.2	84	
	TROY	U.S.A.	10	8	21/07	202	98	69	8	1.1	90	
	TURNIER	GERMANY	1	9	25/07	29	12	70	9	.7	50	
	UNION	GERMANY	3	9	21/07	368	150	68	9	1.4	108	
	VANTAGE	U.S.A.	1	9	25/07	0		80	9	1.3	85	
	VICTA	U.S.A.	1	9	25/07	648	282	75	9	1.9	121	
	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	

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SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			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, UPLAND (POA GLAUCANTHA)												
	DRAYLAR *	POLAND	9	9	07/08	249	100	38	9	.7	100	
BROMEGRASS (BROMUS INERMIS)												
	"G"	HUNGARY	9	9	14/08	418	59	92	9	1.6	125	
	"ZK"	CZECHOSLOVAKIA	6	9	10/08	347	101	97	9	1.5	82	NORTHERN
	ANTO	POLAND	6	9	10/08	314	92	83	9	1.7	94	NORTHERN
	BARAGAN	RUMANIA	4	8	16/08	356	67	110	8	2.4	157	
	BARTON	U.S.A.	7	8	16/08	403	72	103	8	1.9	141	
	BAYLOR	U.S.A.	9	9	13/08	488	71	94	9	1.4	92	SOUTHERN
	BEACON	U.S.A.	7	9	16/08	500	90	108	9	1.7	133	
	BLAIR	U.S.A.	9	9	13/08	455	66	95	9	1.5	100	SOUTHERN
	CARLTON *	CANADA	28	8	13/08	582	100	91	8	1.5	100	NORTHERN
	DEBORAH	UNITED KINGDOM	5	3	30/08	190	30	46	3	.1	9	(B.CARINATUS)
	FRIGGA	SWEDEN	9	9	13/08	572	77	95	9	1.5	100	NORTHERN
	LANCASTER	U.S.A.	9	9	13/08	560	76	92	9	1.5	100	SOUTHERN
	LANDRACE	HUNGARY	9	9	14/08	422	60	95	8	1.6	125	
	LINCOLN	U.S.A.	9	8	15/08	580	94	98	8	2.0	138	SOUTHERN
	LYON	U.S.A.	1	9	15/08	254	64	115	9	2.8	208	SOUTHERN
	MAGNA	CANADA	12	9	12/08	826	141	99	9	1.9	121	INTERMEDIATE
	MANCHAR	U.S.A.	10	9	11/08	412	89	87	9	1.9	100	INTERMEDIATE
	MANDAN 404	U.S.A.	1	9	15/08	306	77	120	9	2.5	191	
	ORFEU	RUMANIA	1	9	15/08	648	163	120	9	2.8	208	
	POLAR	U.S.A.	12	9	12/08	486	100	89	9	1.6	93	NORTHERN
	REDPATCH	CANADA	12	8	11/08	309	59	94	8	1.9	106	SOUTHERN
	REGAR	U.S.A.	9	9	03/08	428	61	91	9	1.5	116	
	SAC	U.S.A.	8	9	11/08	250	61	91	9	1.7	94	SOUTHERN
	SARATOGA	U.S.A.	2	9	13/08	367	60	94	9	1.2	73	SOUTHERN
DOGSTAIL, CRESTED (CYNOSURUS CRISTATUS)												
	CREDO SCEEMPTER *	NETHERLANDS	5	3	01/08	43	100	45	3	.0	*	
	SWM	NEW ZEALAND	5	3	01/08	62	143	42	3	.0	*	

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			DATA YRS	H A N R E D S I S -	DATE RIPE	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA	% OF STD	
FESCUE, CHEWINGS (FESTUCA RUBRA VAR. COMMUTATA)												
	AMBOISE	FRANCE	10	8	24/07	169	105	56	8	.7	87	
	ATLANTA	NETHERLANDS	7	8	24/07	189	127	54	8	.7	87	
	BARFALLA	NETHERLANDS	9	8	22/07	125	157	49	8	.8	88	
	BELMONTE	NETHERLANDS	1	9	25/07	226	108	75	9	1.5	155	
	CASCADE	U.S.A.	7	8	24/07	291	196	66	8	1.1	142	
	COTTAGE (PRUINOSA)	FRANCE	3	8	19/07	2	6	25	8	.3	60	
	DAWSON	NETHERLANDS	9	8	23/07	133	167	52	8	.8	88	
	DIAMOND	NETHERLANDS	1	9	25/07	190	90	75	9	1.1	111	
	ENCOTA	NETHERLANDS	6	8	21/07	157	256	49	8	.7	116	
	ERIKA	SWEDEN	9	8	24/07	191	240	56	8	.8	88	
	FAMOSA	BELGIUM	6	8	24/07	228	165	50	8	.8	133	
	FARAMIR	DENMARK	6	8	28/07	64	38	51	8	.4	44	
	FLEVO	NETHERLANDS	6	7	22/07	157	256	54	7	1.0	150	
	GOLFROOD	NETHERLANDS	6	9	22/07	162	119	47	9	1.3	75	
	HALIFAX	NETHERLANDS	4	8	27/07	106	52	65	8	.7	70	
	HIGHLIGHT (TOPIE)	NETHERLANDS	12	8	20/07	240	244	45	8	1.0	81	
	JAMESTOWN	U.S.A.	7	8	25/07	216	146	61	8	.7	100	
	KOKET	NETHERLANDS	6	8	22/07	239	389	54	8	.8	133	
	LIFALLA	GERMANY	6	8	22/07	192	312	48	8	.6	100	
	LINORA	GERMANY	9	8	21/07	110	107	49	8	.5	83	
	LIROUGE	GERMANY	6	8	21/07	209	340	50	8	.7	116	
	MENUET	NETHERLANDS	10	9	24/07	268	167	60	9	1.0	112	
	OASE (OASIS) *	NETHERLANDS	22	8	22/07	126	100	53	8	1.0	100	
	ODRA	GERMANY	10	8	24/07	324	202	66	8	1.1	125	
	RASENGOLD	GERMANY	6	8	26/07	262	425	62	8	1.1	166	
	ROLAX	BELGIUM	9	8	22/07	193	243	52	8	1.0	100	
	SCARLET	NETHERLANDS	1	9	25/07	293	140	80	9	1.5	155	
	WALDORF	NETHERLANDS	10	8	25/07	274	171	54	8	.8	100	
FESCUE, CREEPING RED (FESTUCA RUBRA)												
	AGIO	NETHERLANDS	9	8	28/07	318	66	54	8	1.1	90	
	ARCTARED	U.S.A.	11	9	19/07	338	64	57	9	1.4	92	
	BARANTE	NETHERLANDS	1	9	03/08	48	17	50	9	1.2	52	
	BARGENA	NETHERLANDS	12	8	26/07	220	48	54	8	1.4	118	
	BERGERE	FRANCE	12	8	26/07	247	54	57	8	1.1	90	
	BERGOND	DENMARK	7	8	28/07	174	44	62	8	1.0	90	

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SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD			COMMENTS	
			DATA YRS	H A N R E D S I S -	DATE RIPE	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA		% OF STD

FESCUE, CREEPING RED (FESTUCA RUBRA)												
	BLERE	FRANCE	12	8	27/07	219	44	63	8	.8	88	
	BOREAL *	CANADA	27	8	27/07	514	100	59	8	1.3	100	
	BRASOV	RUMANIA	4	9	24/07	291	61	77	9	1.4	100	
	CARLAWN	CANADA	1	9	03/08	546	201	75	9	1.7	76	
	CHAUMONT	FRANCE	9	7	30/07	22	4	40	7	.3	37	(F.PRUIWOSA)
	CHECKER	U.S.A.	1	9	25/07	188	69	75	9	1.3	57	
	CHEVERY	FRANCE	6	8	26/07	155	41	55	8	.8	100	
	CHOMADE	FRANCE	1	9	03/08	292	107	70	9	1.6	71	
	DASAS	DENMARK	9	8	26/07	301	50	62	8	1.0	81	
	DURLAWN	CANADA	9	8	27/07	399	66	59	8	1.0	81	
	ECHO	DENMARK	12	8	26/07	370	82	61	8	1.4	118	
	ELCO	DENMARK	12	8	25/07	366	81	62	8	1.3	109	
	ELITE	DENMARK	6	8	27/07	331	58	66	8	1.0	75	
	ENGINA	NETHERLANDS	7	8	25/07	414	106	61	8	1.1	100	
	ENSYLVA	NETHERLANDS	4	9	23/07	199	42	62	9	1.0	69	
	ENVIRA	NETHERLANDS	1	9	03/08	514	189	70	9	2.5	109	
	ENZET	NETHERLANDS	1	9	25/07	295	109	75	9	2.2	95	
	FRIDA	NETHERLANDS	4	8	28/07	192	40	62	8	1.1	76	
	GRACIA (SCEEMPTER)	NETHERLANDS	12	8	26/07	163	36	51	8	1.0	81	
	GRAMPIAN	UNITED KINGDOM	7	8	24/07	84	21	57	8	.8	80	
	GRELO	DENMARK	1	9	03/08	64	23	65	9	1.7	76	
	JADE	NETHERLANDS	7	8	27/07	181	46	62	8	1.1	100	
	KOS	POLAND	9	8	27/07	311	65	52	8	1.0	81	
	LAVERDURE	FRANCE	7	8	27/07	184	47	65	8	.8	80	
	LEO	POLAND	9	8	25/07	224	46	54	8	.8	72	
	LEVOSCKA	CZECHOSLOVAKIA	9	8	24/07	376	71	56	8	1.6	115	
	LIEBENZIGER	GERMANY	12	8	26/07	377	72	56	8	.8	80	
	LOKEN	NORWAY	7	9	25/07	472	121	72	9	1.7	160	
	MARGA	NETHERLANDS	4	9	27/07	196	41	66	9	1.0	69	
	MARIET	NETHERLANDS	4	8	30/07	269	56	60	8	1.1	76	
	MESLIN	UNITED KINGDOM	4	8	28/07	105	22	68	8	1.1	76	
	MONCORDE (VOLLENDAM)	NETHERLANDS	1	9	25/07	627	231	80	9	2.1	90	
	MONICA	NETHERLANDS	1	9	03/08	141	52	65	9	.8	38	
	N.F.G. RDAMER	GERMANY	15	8	25/07	305	65	60	8	1.3	109	
	NORO	GERMANY	7	8	26/07	247	63	52	8	.7	70	
	NOVORUBRA	NETHERLANDS	15	8	26/07	267	54	56	8	.8	72	
	OBERHAUNSTADTER	GERMANY	12	8	26/07	310	68	62	8	1.3	109	
	ODENROT	GERMANY	12	8	25/07	361	80	60	8	1.1	90	

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SPECIES	CULTIVAR	ORIGIN	SEED YIELD				HERBAGE (DM) YIELD				COMMENTS	
			DATA YRS	H A N D S I S	DATE RIPE	KG/ HA	% OF STD	HT CM	H A N D S I S	TONS / HA		% OF STD
					DA/MO							
FESCUE, CREEPING RED (FESTUCA RUBRA)												
	OLDS	CANADA	5	9	25/07	731	97	54	9	1.6	88	
	PATIO	NETHERLANDS	4	8	28/07	310	65	75	8	1.6	115	
	POLAR	SWEDEN	9	8	22/07	256	50	55	8	1.0	90	
	POLO	DENMARK	12	8	26/07	386	85	62	8	1.5	127	
	PUMA	DENMARK	1	9	25/07	342	126	75	9	1.3	57	
	RAPID	NETHERLANDS	12	8	26/07	506	112	58	8	1.1	90	
	REPTANS	SWEDEN	11	8	25/07	420	80	57	8	1.4	92	
	RODA	NETHERLANDS	9	8	28/07	168	35	56	8	.7	87	
	ROLAND 21	GERMANY	11	9	25/07	452	72	62	9	1.5	107	
	ROZNOVSKA	CZECHOSLOVAKIA	9	8	24/07	337	64	56	8	1.5	107	
	RUBIN	SWEDEN	12	8	26/07	290	64	60	8	1.3	109	
	RUBINA	DENMARK	9	8	27/07	333	69	59	8	1.2	100	
	RUBY	NETHERLANDS	8	9	25/07	414	68	44	9	1.5	93	
	RUDAX	BELGIUM	10	8	22/07	362	77	62	8	1.1	100	
	RUNO	POLAND	9	8	27/07	353	74	60	8	1.2	100	
	S-59	UNITED KINGDOM	8	9	21/07	124	20	42	9	1.4	86	
	SKOT	DENMARK	1	9	03/08	35	13	75	9	1.7	76	
	SONET	NETHERLANDS	4	8	28/07	49	10	62	8	1.0	69	
	STENSBALLE	DENMARK	9	8	28/07	359	59	63	8	1.0	81	
	SVALBARD	NORWAY	7	8	27/07	132	34	62	8	.8	80	
	TABORSKA	CZECHOSLOVAKIA	9	8	25/07	275	52	53	8	1.5	107	
	TACA	DENMARK	12	8	25/07	378	83	66	8	1.5	127	
	TURF	SWEDEN	13	8	27/07	413	94	65	8	1.4	108	
	VENI	DENMARK	1	9	03/08	412	152	70	9	1.9	80	
	WILTON	DENMARK	9	8	23/07	170	28	57	8	.8	72	
	WINTERGREEN	U.S.A.	9	8	22/07	239	50	48	8	.7	63	
FESCUE, HAIR (FESTUCA CAPILLATA INC. OVINA TENUIFOLIA)												
	CEBECO *	NETHERLANDS	9	7	20/07	41	100	21	7	.2	100	
	NOVINA	NETHERLANDS	3	8	19/07	97	228	30	8	.2	100	
	SIMA	POLAND	6	8	19/07	182	543	28	8	.3	300	
FESCUE, HARD (FESTUCA OVINA VAR. DURIOUSCULA)												
	AZAY	FRANCE	3	9	26/07	146	36	26	9	.4	40	

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD				HERBAGE (DM) YIELD				COMMENTS	
			DATA YRS	H A N D S I S -	DATE R E R I P E D A /M O	KG/ HA	% OF STD	HT CM	H A N D S I S -	TONS / HA		% OF STD
FESCUE, HARD (FESTUCA OVINA VAR. DURIUSCULA)												
	BILJART *	NETHERLANDS	12	9	21/07	302	100	48	9	.8	100	
	CAROT	NETHERLANDS	8	9	21/07	431	143	49	9	1.1	125	
	CEBECO HZ 71-4	NETHERLANDS	4	9	19/07	227	74	48	9	.6	75	
	DURAR	U.S.A.	6	9	23/07	496	170	66	9	1.7	177	
	KOBOLD	NETHERLANDS	1	9	25/07	150	744	65	9	.4	100	
	MECKLENBURGISCHER	GERMANY	4	9	20/07	601	195	61	9	1.2	137	
	SEVO	BELGIUM	7	9	23/07	399	112	54	9	1.1	125	
FESCUE, MEADOW (FESTUCA PRATENSIS, FESTUCA ELATIOR)												
	"G"	HUNGARY	9	8	27/07	655	93	78	8	1.5	175	
	ADMIRA	NETHERLANDS	9	7	28/07	426	64	64	7	.8	80	
	AFU	NETHERLANDS	1	9	03/08	441	62	100	9	1.6	60	
	ARVA	DENMARK	4	8	30/07	339	56	88	7	2.1	118	
	ASTA	DENMARK	4	9	30/07	395	66	96	8	1.2	68	
	B-14	YUGOSLAVIA	9	8	28/07	716	109	78	8	1.3	120	
	BARBAROSSA (BARENZA)	NETHERLANDS	12	8	28/07	492	78	69	8	1.3	100	
	BARENBRUG PASTURE	NETHERLANDS	9	8	28/07	539	88	73	8	1.0	112	
	BARKAS	NETHERLANDS	12	8	28/07	436	73	77	8	1.1	100	
	BELIMO	NETHERLANDS	15	8	27/07	516	92	72	8	1.2	100	
	BERGAMO	NETHERLANDS	15	8	27/07	377	67	68	8	1.1	90	
	BORIS	SWEDEN	7	8	29/07	608	102	93	8	1.7	133	
	BOTTINIA II	SWEDEN	9	8	28/07	595	90	79	8	1.5	140	
	BUNDY	NETHERLANDS	9	8	28/07	599	91	73	8	1.1	100	
	COMTESSA (COMBI)	NETHERLANDS	9	8	28/07	657	100	75	8	.8	80	
	COSMOS //	GERMANY	12	8	28/07	397	76	74	8	1.2	100	
	DAPHNE	FRANCE	9	8	28/07	406	74	73	8	1.0	90	
	DINA	POLAND	9	8	27/07	338	63	69	8	1.2	91	
	DUFA	NETHERLANDS	8	9	27/07	336	60	65	9	1.3	92	
	ENBELA	NETHERLANDS	9	8	28/07	512	78	71	8	1.0	90	
	ENSIGN	CANADA	5	8	30/07	707	112	98	8	1.6	100	
	ERIDAN	GERMANY	1	9	03/08	361	51	75	9	1.6	60	
	FEPRA	SWEDEN	9	8	28/07	636	96	76	8	1.2	110	
	FERO OTOFTE	DENMARK	9	8	28/07	492	74	75	8	1.3	120	
	FESTINA	NETHERLANDS	1	9	03/08	334	47	100	9	3.5	128	
	FIOLA	NETHERLANDS	9	8	28/07	610	92	74	8	1.3	120	
	GARANTA	NETHERLANDS	14	8	28/07	554	95	74	8	1.2	91	

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SPECIES	CULTIVAR	ORIGIN	SEED YIELD				HERBAGE (DM) YIELD				COMMENTS
			DATA YRS	H A N R E D S I S -	DATE RIPE	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA	

FESCUE, MEADOW (FESTUCA PRATENSIS, FESTUCA ELATIOR)											
	IRENE	SWEDEN	8	9	27/07	533	95	74	9	1.6	115
	JANETZKI O.S.G.	GERMANY	9	8	28/07	668	101	75	8	1.4	130
	JOMA DAEHNFELDT	DENMARK	4	8	30/07	454	76	92	7	2.0	112
	LANDIS	U.S.A.	4	7	30/07	412	69	95	7	1.5	87
	LARGO	NETHERLANDS	9	8	28/07	781	118	75	8	1.2	110
	LEVOCSKA	CZECHOSLOVAKIA	9	8	27/07	455	86	73	8	1.4	108
	LOKEN	NORWAY	12	8	27/07	371	71	78	8	1.3	109
	MANA	DENMARK	4	8	30/07	538	90	90	7	1.9	106
	MARBURY	UNITED KINGDOM	12	8	27/07	409	79	73	8	1.1	90
	MEFON	CANADA	1	9	03/08	346	48	110	9	4.0	144
	MERBEEN R.V.P.	BELGIUM	11	8	27/07	580	94	69	8	1.4	118
	MEWA	POLAND	9	8	27/07	358	67	76	8	1.5	116
	MIMER *	SWEDEN	28	8	28/07	593	100	76	8	1.2	100
	MSU	NETHERLANDS	4	8	30/07	428	71	91	8	1.4	81
	NAIADE	FRANCE	12	8	28/07	570	88	72	8	.8	88
	OLA	POLAND	9	8	27/07	322	60	72	8	1.4	108
	OTOFTE	DENMARK	9	8	28/07	642	97	78	8	1.3	120
	PAAVO	FINLAND	13	8	28/07	460	86	81	8	1.4	108
	PERDITA	UNITED KINGDOM	7	8	29/07	510	85	83	8	1.3	100
	REGO TRIFOLIUM	DENMARK	7	9	28/07	655	109	87	9	1.5	116
	ROSSA	NETHERLANDS	13	8	28/07	511	96	84	8	1.2	91
	ROZNOVSKA	CZECHOSLOVAKIA	9	8	27/07	460	86	86	8	1.4	108
	S.215	UNITED KINGDOM	9	8	28/07	656	99	74	8	1.2	110
	S.53	UNITED KINGDOM	8	9	27/07	264	47	81	9	1.1	76
	SALTEN	NORWAY	1	9	03/08	369	52	90	9	2.8	100
	SENA	SWEDEN	12	8	28/07	498	96	84	8	1.1	90
	SENU	DENMARK	9	8	28/07	685	104	74	8	1.2	110
	SEQUANA	FRANCE	8	9	28/07	449	80	88	9	1.4	100
	SK-6 (CYKADA)	POLAND	9	8	27/07	385	72	83	8	1.3	100
	TAMMISTO	FINLAND	9	8	28/07	592	90	79	8	1.5	140
	TRADER	CANADA	9	8	27/07	359	67	89	8	1.4	108
	TRIFOLIUM	DENMARK	9	8	28/07	702	106	75	8	1.2	110
	VALTO	FINLAND	1	9	03/08	338	47	95	9	3.1	112
	WEHRDAER KUNGIA	GERMANY	12	8	28/07	463	89	80	8	1.2	100
	WENDELMOED	NETHERLANDS	13	8	28/07	314	59	81	8	1.2	91
	WINGE	DENMARK	9	8	28/07	445	67	71	8	1.1	100

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SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			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	
FESCUE, SHADE (FESTUCA HETEROPHYLLA)												
	CHAMBORD *	FRANCE	6	6	29/07	94	100	57	6	.2	100	
	SAWA	POLAND	3	9	23/07	231	123	50	9	1.0	180	
FESCUE, SHEEP (FESTUCA OVINA)												
	"G"	HUNGARY	10	9	21/07	576	229	47	9	1.3	300	
	CHARMING	NETHERLANDS	4	8	25/07	212	159	50	8	1.1	250	
	FERTALIA *	BELGIUM	10	8	23/07	250	100	40	8	.5	125	
	RENOVA	NETHERLANDS	3	8	18/07	192	113	40	8	.7	140	
	VENDOME	FRANCE	7	9	19/07	507	173	46	9	1.0	180	(F.PSEUDOQVINA)
FESCUE, TALL (FESTUCA ARUNDINACEA)												
	"G"	HUNGARY	10	8	01/08	351	95	83	8	1.2	157	
	ALTA *	U.S.A.	25	7	31/07	291	100	81	7	.7	100	
	ARONDE	NETHERLANDS	1	8	03/08	593	54	105	8	2.8	83	
	BACKAFALL	SWEDEN	12	7	29/07	217	104	89	7	.7	116	
	BARUNDI	NETHERLANDS	1	9	03/08	738	67	110	9	3.1	93	
	CLARINE	FRANCE	7	7	08/08	281	95	78	7	.8	114	
	DEMETER	AUSTRALIA	9	8	31/07	481	162	80	8	1.1	142	
	FAWN	U.S.A.	9	6	29/07	300	105	78	6	.7	100	
	FESTAL	NETHERLANDS	9	8	30/07	487	164	80	8	1.2	157	
	FESTIVAL	FRANCE	9	7	01/08	306	75	76	6	.6	75	
	FORTUNE	U.S.A.	6	3	13/08	183	35	65	3	.5	50	
	GOAR	U.S.A.	6	6	02/08	100	62	63	6	.3	100	
	HOKURYO	JAPAN	4	8	03/08	548	136	107	8	2.2	181	
	KENMONT	U.S.A.	9	8	29/07	415	140	87	8	1.2	157	
	KENTUCKY 31	U.S.A.	9	8	30/07	514	173	80	8	1.2	157	
	KENWELL	U.S.A.	9	8	29/07	357	120	79	8	1.1	142	
	LIRONDE	FRANCE	3	0	*	0		*	0	.0		
	LUDELLE	FRANCE	7	7	05/08	131	44	78	7	.8	114	
	LUDION	FRANCE	9	8	01/08	300	101	76	8	1.0	128	
	MANADE	FRANCE	7	5	30/07	143	32	42	5	.6	54	
	MARIS JEBEL	UNITED KINGDOM	1	4	*	0		*	4	.0		
	MARIS KASBAH	UNITED KINGDOM	1	4	*	0		*	4	.0		
	MOTALL	NETHERLANDS	12	8	30/07	421	149	92	8	1.6	300	

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SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			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	
FESCUE, TALL (FESTUCA ARUNDINACEA)												
	PASTUCA	NETHERLANDS	1	9	04/08	946	86	110	9	2.8	83	
	ROZELLE	UNITED KINGDOM	9	8	28/07	452	153	75	8	1.1	142	
	S.170	UNITED KINGDOM	9	7	30/07	239	135	75	7	.7	140	
	TALLMO	NETHERLANDS	1	9	04/08	704	64	105	9	2.3	70	
	YAMANAMI	JAPAN	4	6	02/08	268	67	93	7	1.1	90	
FOXTAIL, CREEPING (ALOPECURUS ARUNDINACEUS)												
	GARRISON *	CANADA	21	8	08/07	136	100	80	8	.8	100	
FOXTAIL, MEADOW (ALOPECURUS PRATENSIS)												
	DAN	POLAND	9	9	12/07	249	113	76	9	1.1	125	
	OREGON *	U.S.A.	22	9	12/07	248	100	78	9	1.2	100	
	POLAND	POLAND	9	9	12/07	157	71	78	9	.8	100	
	RHONA	GERMANY	9	9	13/07	187	85	76	9	.8	100	
HAIR GRASS, EARLY (AIRA PRAECOX)												
	SNARROT *		3	8	28/07	159	100	58	8	.3	100	
NEEDLEGRASS (STIPA VIRIDULA)												
	MANDAN *	U.S.A.	6	9	26/07	434	100	95	9	.8	100	
OATGRASS, TALL (ARRHENATHERUM ELATIUS)												
	AREL 41	GERMANY	10	7	26/07	201	135	105	7	1.3	109	
	ARMO *	NETHERLANDS	13	8	25/07	155	100	100	8	1.0	100	
	BARRICADE	NETHERLANDS	9	7	20/07	144	74	87	7	.7	77	
	ODENWALDER	GERMANY	9	8	20/07	161	82	95	8	.8	88	
	ROMINESC	RUMANIA	4	8	02/08	234	348	117	8	1.3	109	
	TUALATIN	U.S.A.	9	8	20/07	226	116	103	7	.8	88	

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			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	
OATGRASS, TALL (ARRHENATHERUM ELATIUS)												
OATGRASS, YELLOW (TRisetum flavescens)												
	HOHENHEIMER	GERMANY	11	7	20/07	87	190	58	7	.4	80	
	TRISETT 51 *	GERMANY	12	7	20/07	42	100	58	7	.5	100	
ORCHARDGRASS (DACTYLIS GLOMERATA)												
	ALLISON	CANADA	1	9	25/07	197	298	105	9	2.4	137	
	APANUI	NEW ZEALAND	4	6	*	0		60	5	.6	54	
	ARIES	FRANCE	4	5	*	0		55	5	.3	27	
	ASLA ROSKILDE	DENMARK	4	7	28/08	7	9	81	5	.7	63	
	BARAULA	NETHERLANDS	4	8	15/08	14	17	85	7	1.0	81	
	BARNAUTA	NETHERLANDS	1	9	*	2	3	100	7	2.2	125	
	BERBER	AUSTRALIA	2	0	*	0		*	0	.0		
	BOONE	U.S.A.	4	8	13/08	16	20	81	8	1.6	136	
	BRAGE	SWEDEN	4	8	12/08	32	39	78	6	1.3	109	
	BRIGNOLES	AUSTRALIA	4	3	18/08	33	41	52	3	.3	27	
	CALDER	UNITED KINGDOM	1	1	*	0		*	1	.0		
	CAMBINA	UNITED KINGDOM	1	1	*	0		*	1	.0		
	CHANTEMILLE (MARCELLA)	FRANCE	4	6	23/08	5	6	65	6	.4	36	
	CHINOOK *	CANADA	19	8	29/07	122	100	70	8	.8	100	
	CURRIE	AUSTRALIA	2	0	*	0		*	0	.0		
	DAGOMA	NETHERLANDS	4	8	15/08	23	28	71	8	1.4	118	
	DAPRIME	FRANCE	4	5	10/08	29	35	65	4	.4	36	
	DAYTON	U.S.A.	1	8	04/08	17	27	110	8	1.7	100	
	DESTA	NETHERLANDS	4	6	06/08	68	83	76	5	.7	63	
	DOLCEA	NETHERLANDS	4	7	27/08	49	60	86	6	1.3	109	
	DORISE	NETHERLANDS	4	8	02/08	50	61	78	7	1.4	118	
	ELITE 99	DENMARK	4	7	11/09	42	52	77	6	1.0	81	
	FALA	POLAND	13	8	08/08	161	167	87	8	1.2	122	
	FENGA OTOFTE	DENMARK	4	7	02/09	52	64	87	7	1.1	90	
	FERDIA	IRELAND	4	5	25/08	10	12	61	5	.5	45	
	FLAXMERE	UNITED KINGDOM	4	5	25/08	10	12	53	5	.6	54	
	FLOREAL	FRANCE	4	6	*	1	1	60	6	.5	45	
	FRODE	SWEDEN	4	7	17/08	26	32	67	7	.6	54	

G R A S S E S

SPECIES	CULTIVAR	ORIGIN	SEED YIELD					HERBAGE (DM) YIELD				COMMENTS
			DATA YRS	H A N R E D S I S -	DATE RIPE DA/MD	KG/ HA	% OF STD	HT CM	H A N R E D S I S -	TONS / HA	% OF STD	
ORCHARDGRASS (DACTYLIS GLOMERATA)												
	FRONTIER	JAPAN	1	9	15/08	20	30	105	9	1.7	100	
	HALLMARK	U.S.A.	2	4	15/08	15	33	110	4	1.1	90	
	HOLSTENKAMP	GERMANY	7	7	06/08	98	111	87	7	1.3	120	
	IRIS	GERMANY	4	6	12/08	16	20	76	7	.6	54	
	JUNO	CANADA	4	6	15/08	26	32	75	6	.7	63	
	KALL	SWEDEN	4	7	07/08	48	58	80	6	.8	72	
	KASBAH	AUSTRALIA	1	1	*	0		*	1	.0		
	KAY	CANADA	4	9	02/08	203	249	101	9	2.6	218	
	KITAMIDORI	JAPA-	4	8	12/08	38	46	87	8	1.0	81	
	LATAR	U.S.A.	3	9	02/08	138	158	91	9	1.6	166	
	LOTTO	NETHERLANDS	4	7	12/08	28	34	83	8	1.1	90	
	LUCIFER	FRANCE	4	5	*	0		60	4	.5	45	
	LUNA ROSKILDE	DENMARK	4	8	15/08	53	65	98	7	1.3	109	
	MAJESTIC	CANADA	4	8	03/08	181	221	100	8	1.9	154	
	MARTON VASARIA	CZECHOSLOVAKIA	10	8	02/08	84	94	83	8	1.0	90	
	MERITA	NETHERLANDS	4	7	20/08	36	45	87	8	1.2	100	
	MODAC	NETHERLANDS	1	8	*	2	3	80	8	1.7	100	
	MULLUS	DENMARK	4	7	10/08	17	21	91	7	.7	63	
	NAPIER	U.S.A.	4	8	13/08	56	68	90	7	.6	54	
	NORDSTERN	U.S.A.	4	9	03/08	240	294	95	9	1.9	154	
	NORTON	UNITED KINGDOM	4	6	28/08	12	15	80	5	.6	54	
	OBERWEIHST	GERMANY	4	8	13/08	39	47	86	7	1.2	100	
	PRAIRIAL	FRANCE	4	5	18/08	10	12	60	4	.4	36	
	PRIUS	FRANCE	4	5	25/08	6	8	77	5	.3	27	
	RANO TRIFOLIUM	DENMARK	4	7	08/08	52	64	82	7	1.0	81	
	RIDEAU	CANADA	4	8	08/08	86	105	93	8	1.4	118	
	ROZNOVSKY	CZECHOSLOVAKIA	10	8	30/07	105	106	78	8	1.2	122	
	S.143	UNITED KINGDOM	4	4	25/08	6	8	65	4	.3	27	
	S.26	UNITED KINGDOM	4	5	25/08	12	15	85	5	.6	54	
	S.345	UNITED KINGDOM	4	5	25/08	1	1	65	5	.5	45	
	S.37	UNITED KINGDOM	4	5	10/08	29	35	75	4	.4	36	
	SABORTO	UNITED KINGDOM	4	3	25/08	6	8	55	3	.4	36	
	SCOTIA	UNITED KINGDOM	4	7	08/08	40	49	81	6	1.0	81	
	STERLING	U.S.A.	4	7	16/08	36	45	85	6	1.2	100	
	T-NO.15	DENMARK	3	5	28/07	106	120	81	6	.7	77	
	T-NO.16	DENMARK	3	7	28/07	119	135	82	7	.5	55	
	TAMMISTO	FINLAND	4	8	03/08	98	120	87	8	1.3	109	
	TAPIO-KLON	HUNGARY	4	8	10/08	42	52	86	7	1.1	90	