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NEBRASKA
2014 Cool Season Grass Variety Test
Havelock, Lancaster County, Agronomy Research Farm
Dryland -- 2010 Seeding

Entry	Species	% Stand ¹ 1-May-14	Dry Matter Tons/Acre*						
			2012 Total	2013 Total	2014			2012-2014 TOTAL	
					17-Jun	5-Aug	9-Oct		
<u>Released cultivars</u>									
Olga	Smooth brome	72	2.68	3.88	3.54	0.16	0.33	4.03	10.70
Cache	Meadow brome	94	2.22	3.71	2.98	0.33	0.31	3.63	9.50
BAR Dryland Mix	Mix	96	2.48	3.77	2.83	0.20	0.32	3.37	9.41
Arsenal	Meadow brome	90	2.28	3.38	3.09	0.36	0.45	3.91	9.40
Peak	Smooth brome	90	1.69	3.62	3.19	0.21	0.33	3.76	9.12
BarOptima PLUS E34	Tall fescue	93	2.69	3.35	1.97	0.29	0.49	2.75	8.78
Haymaker/Beefmaker	Intermediate wheatgrass	95	1.83	3.36	3.23	0.12	0.36	3.72	8.78
Paddock	Meadow brome	93	2.11	3.54	2.50	0.34	0.36	3.20	8.77
Drover	Tall fescue	96	2.83	2.85	1.81	0.34	0.73	2.84	8.59
AC Knowles	Hybrid brome	83	1.90	3.24	2.65	0.15	0.34	3.14	8.40
STF43 1:1 coated	Tall fescue	94	2.94	2.64	1.65	0.24	0.44	2.32	8.10
Bardurum	Tall fescue	94	2.70	2.87	1.88	0.34	0.48	2.70	7.92
Barexcel	Orchardgrass	65	2.47	2.86	1.60	0.37	0.56	2.51	7.65
STF43 uncoated	Tall fescue	91	2.40	2.53	1.94	0.22	0.42	2.61	7.56
STF43 1:0.5 coated	Tall fescue	95	3.10	2.50	1.48	0.22	0.44	2.13	7.51
Fojtan	Festulolium	91	2.64	2.25	1.62	0.32	0.41	2.31	7.19
Extend	Orchardgrass	56	1.99	2.62	1.37	0.41	0.51	2.29	6.86
Barlegro	Orchardgrass	49	1.82	2.45	1.57	0.50	0.64	2.72	6.70
Profit	Orchardgrass	68	2.27	2.26	1.29	0.40	0.51	2.20	6.41
Baridana	Orchardgrass	66	1.75	2.47	1.57	0.33	0.41	2.26	6.20
DASCADA	Orchardgrass	43	1.57	2.36	1.30	0.36	0.44	2.07	5.65
Enhance	Tall fescue	91	2.06	1.54	1.05	0.12	0.16	1.34	4.93
Pradel	Meadow fescue	55	1.47	1.84	1.42	0.22	0.55	2.14	4.90
Boost ²	Perennial rye	4	1.73	2.25	---	---	---	---	---
Gain ²	Festulolium	11	2.25	1.56	---	---	---	---	---
Hakari ²	AK Brome	4	2.38	1.70	---	---	---	---	---
Tekapo ²	Orchardgrass	34	2.06	2.23	---	---	---	---	---
<u>Experimental strains</u>									
Doina	Smooth brome	95	2.30	3.99	3.38	0.13	0.37	3.87	10.02
BAR BiF 1GRL	Smooth brome	93	2.45	3.56	2.75	0.17	0.29	3.21	9.24
10-EIX 3 FRRL	Intermediate wheatgrass	96	1.87	3.31	3.42	0.11	0.37	3.89	9.23
Nanryo II	Tall fescue	95	2.74	3.02	2.11	0.30	0.57	2.96	8.64
BAR FA 80DH	Tall fescue	91	2.69	2.82	1.99	0.31	0.44	2.78	8.50
BAR FA 70DH	Tall fescue	85	2.26	2.47	1.88	0.33	0.42	2.59	7.47
BAR MT 9301	Tall fescue	91	1.96	2.46	1.48	0.27	0.44	2.19	6.77
BAR DGL 1GRL	Orchardgrass	44	2.25	2.25	1.69	0.33	0.47	2.44	6.51

Early-OG-FRRL	Orchardgrass	60	1.54	2.47	1.51	0.30	0.39	2.17	6.26
H2	Meadow fescue	66	1.36	1.79	1.82	0.23	0.46	2.50	5.66
BARPAL16 ²	<i>Bromus stamineous</i>	31	---	---	---	---	---	---	---
<u>Experiment mean</u>		72.6	2.21	2.75	2.11	0.27	0.43	2.80	7.80
CV (%)		25.5	16.95	19.45	20.89	31.20	33.01	19.51	14.77
MCV (%)		35.5	23.74	27.09	29.10	43.47	45.99	27.18	20.57
LSD (0.05)		25.7	0.52	0.75	0.61	0.12	0.20	0.76	1.60
LSD (0.25)		15.0	0.31	0.44	0.36	0.07	0.12	0.44	0.94

* Variety means are LSMEANS derived from spatial variability statistical analysis for mixed models.

Therefore, year or multiple-year totals may not be the arithmetic sum of individual cuts or years, respectively.

¹ Entries with less than 80% stand had elevated yields due to weed invasion.

² --- = Yield not recorded due to low stand and excessive weed contamination.

DESIGN: Randomized block

SEEDING METHOD: Carter cone drill

SOIL TYPE: Crete silt loam

PLOT SIZE: 9 rows, 4.5' x 14'; 3' x 14' harvested

PLANTING DATE: Sept. 9, 2010

REPS: 4