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NEBRASKA  
 2012 Alfalfa Variety Test  
 Havelock, Lancaster County, Agronomy Research Farm  
 Irrigated -- 2009 Seeding

Entry	Dry Matter Tons/Acre*									
	Seeding Year <sup>1</sup>			2012					3-year	
	Total	2010 <sup>2</sup>	2011 <sup>2</sup>	9-May	13-Jun	24-Jul	31-Aug	31-Oct	Total	Total
<u>Released Cultivars</u>										
6422Q	2.02	8.56	9.26	1.89	2.10	2.37	1.25	0.93	8.54	26.36
DG4210	1.85	8.30	9.54	1.71	1.78	2.77	1.33	0.86	8.46	26.30
DKA43-13	2.08	8.37	9.05	1.99	1.97	2.50	1.30	0.93	8.69	26.11
Genoa	1.99	8.06	8.84	2.12	2.00	2.62	1.35	0.87	8.96	25.87
RadianceHD	2.14	8.65	8.47	2.10	1.74	2.29	1.38	0.93	8.45	25.57
55V48	2.11	8.50	8.28	2.10	1.69	2.39	1.78	0.77	8.73	25.51
4030	2.26	8.40	8.38	2.30	1.86	2.12	1.42	0.83	8.53	25.31
A4535	2.36	8.22	8.29	2.08	1.76	2.77	1.32	0.83	8.76	25.28
Ameristand407TQ	2.05	8.46	8.26	1.92	1.80	2.68	1.28	0.83	8.51	25.23
6417	2.13	8.46	8.34	1.84	1.82	2.53	1.19	0.98	8.36	25.17
54Q32	1.76	8.34	8.31	1.88	1.67	2.78	1.29	0.84	8.46	25.12
Winchester	2.18	8.25	8.48	1.98	1.82	2.44	1.29	0.83	8.35	25.07
EnhancerII	2.00	8.54	8.15	2.05	1.75	2.48	1.31	0.77	8.35	25.04
DKA50-18	2.02	8.32	8.41	1.92	1.75	2.42	1.36	0.86	8.31	25.04
Hybri+Jade	2.20	8.28	8.08	2.18	1.68	2.61	1.26	0.91	8.65	25.02
A5225	1.90	7.82	8.38	2.01	1.86	2.71	1.30	0.90	8.77	24.98
Ameristand403TPlus	2.13	8.26	8.12	2.35	1.64	2.53	1.29	0.68	8.49	24.87
WL343HQ	1.93	8.07	8.32	1.97	1.83	2.39	1.34	0.88	8.41	24.80
6552	2.00	8.41	8.37	1.80	1.76	2.17	1.27	0.94	7.93	24.71
AV4211	2.13	8.05	8.20	2.05	1.78	2.65	1.22	0.73	8.43	24.68
4S417	2.16	8.26	8.08	2.10	1.81	2.47	1.16	0.79	8.32	24.67
6415	2.13	8.24	8.32	2.12	1.61	2.36	1.21	0.77	8.08	24.64
WL363HQ	1.92	8.18	8.40	1.88	1.57	2.49	1.26	0.84	8.04	24.62
375HY/BR	2.26	8.52	7.81	2.14	1.68	2.21	1.36	0.74	8.13	24.46
6431	2.29	8.15	8.18	2.02	1.62	2.29	1.26	0.83	8.02	24.36
A4330	1.95	8.02	8.04	1.86	1.62	2.53	1.21	0.92	8.13	24.20
Mustang420Plus	2.07	8.32	7.54	2.04	1.68	2.54	1.22	0.79	8.27	24.14
FSG329	2.14	7.69	7.97	2.00	1.85	2.30	1.32	0.83	8.30	23.95
Rebound5.0	2.06	8.04	7.99	1.94	1.56	2.51	1.09	0.69	7.79	23.81
HybriForce-2400	2.27	8.02	7.76	2.17	1.57	2.24	1.23	0.82	8.03	23.81
GH727	2.19	8.38	7.76	1.91	1.53	2.38	1.05	0.70	7.58	23.72
Integra8400	2.05	8.35	7.33	1.94	1.44	2.31	1.20	0.84	7.73	23.42
FSG429SN	2.11	7.48	7.11	1.70	1.46	2.60	1.19	0.69	7.65	22.25
Wrangler	2.04	7.16	6.96	2.08	1.44	2.50	1.08	0.65	7.75	21.86
Vernal	2.12	6.10	5.77	1.75	1.09	2.68	1.09	0.45	7.06	18.94

### Experimental Strains

FG45M323	2.01	8.66	9.41	1.96	2.14	2.38	1.31	0.85	8.64	26.70
msSunstra-803	2.29	8.44	8.41	2.24	1.90	2.55	1.36	0.85	8.90	25.75
msSunstra-719	2.39	8.06	8.74	2.04	1.82	2.59	1.32	0.81	8.59	25.39
DS816-5	2.11	7.86	8.46	2.23	1.89	2.45	1.36	0.95	8.87	25.19
FG45M116	1.93	8.30	8.58	2.02	1.84	2.26	1.23	0.84	8.20	25.08
Experiment mean	2.09	8.16	8.20	2.01	1.73	2.47	1.28	0.82	8.31	24.67
CV (%)	8.58	8.60	7.23	8.27	12.81	15.69	15.72	13.23	8.27	6.19
MCV (%)	12.07	11.97	12.02	11.58	17.93	21.97	22.01	18.53	11.58	8.67
LSD (0.05)	0.25	0.98	0.99	0.23	0.31	0.54	0.28	0.15	0.96	2.14
LSD (0.25)	0.15	0.57	0.64	0.14	0.18	0.32	0.16	0.89	0.56	1.25
LSR (%)	24.65	20.70	17.71	18.03	15.30	25.86	15.79	13.86	19.54	15.07

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

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

<sup>1</sup> 3 cuts

<sup>2</sup> 5 cuts

DESIGN: Randomized block

METHOD OF SEEDING: Carter cone drill

SOIL TYPE: Crete silt loam

PLOT SIZE: 5 rows 3' by 12'

PLANTING DATE: 4-29-09

REPS: 4