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NEBRASKA  
 2012 Alfalfa Variety Test  
 Havelock, Lancaster County, Agronomy Research Farm  
 Irrigated -- 2010 Seeding

Entry	Dry Matter Tons/Acre*								
	Seeding Year <sup>1</sup>		2012						2-year
	Total	2011 <sup>2</sup>	9-May	12-Jun	23-Jul	30-Aug	23-Oct	Total	Total
<u>Released Cultivars</u>									
Integra8400	3.24	10.47	1.90	2.42	2.91	1.90	1.14	10.23	20.85
DG4210	2.95	10.11	1.68	2.28	3.26	1.79	1.17	10.24	20.42
4030	3.62	10.46	1.96	2.08	2.64	2.06	1.14	9.81	20.37
Hybri+Jade	3.47	10.28	1.89	2.13	3.02	1.88	1.14	10.12	20.32
Hybriforce2400	3.38	10.01	2.18	2.25	2.83	1.86	1.18	10.25	20.23
WL363HQ	3.19	10.14	1.82	2.25	2.75	1.83	1.22	9.93	20.07
4020MF	3.42	9.69	1.96	2.07	3.24	1.81	1.02	10.18	19.84
DKA43-13	3.21	10.00	1.71	2.24	2.76	1.88	1.26	9.87	19.83
DKA50-18	3.22	9.85	1.84	2.12	2.92	1.68	1.16	9.71	19.69
PhirstExtra	3.62	9.33	1.93	2.14	2.91	1.74	1.07	9.76	19.05
WL343HQ	3.21	9.59	1.73	2.04	2.75	1.64	1.03	9.25	18.65
Vernal	3.43	9.30	1.92	1.82	2.48	1.80	0.84	8.81	18.05
Wrangler	3.25	8.87	1.98	1.98	2.50	1.74	1.00	9.24	18.00
<u>Experimental Strains</u>									
FG46M329	3.10	10.55	1.84	2.40	2.87	2.04	1.33	10.44	21.08
FG46M328	3.08	10.43	1.66	2.37	3.01	2.00	1.23	10.21	20.54
Experiment mean	3.29	9.95	1.87	2.17	2.86	1.84	1.13	9.87	19.80
CV (%)	8.86	5.24	7.66	6.62	11.54	9.85	9.93	5.21	4.27
MCV (%)	12.53	7.41	10.83	9.37	16.32	13.93	14.04	7.36	6.04
LSD (0.05)	0.41	0.74	0.20	0.20	0.47	0.26	0.16	0.73	1.19
LSD (0.25)	0.25	0.43	0.12	0.12	0.27	0.15	0.09	0.43	0.70
LSR (%)	15.14	24.66	24.01	19.81	23.78	26.79	18.22	26.99	25.44

\*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: 5-6-2010  
 REPS: 4