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NEBRASKA  
 2012 Roundup Ready Alfalfa Variety Test  
 Havelock, Lancaster County, Agronomy Research Farm  
 Irrigated -- 2011 Seeding

Entry	Dry Matter Tons/Acre*						
	Seeding Year <sup>1</sup> Total	2012					Total
		10-May	13-Jun	26-Jul	5-Sep	23-Oct	
AmeriStand405TRR	4.50	2.46	2.57	2.69	1.75	1.19	10.75
Consistency4.10RR	4.23	2.33	2.59	2.79	1.69	1.16	10.64
WL355RR	4.32	2.27	2.52	2.65	1.71	1.03	10.25
FGR47M312	4.20	2.22	2.46	2.50	1.62	1.23	10.05
FGR47M120	4.11	2.33	2.46	2.40	1.54	1.22	10.03
DKA41-18RR	4.01	2.24	2.41	2.54	1.53	1.11	9.99
FGR46M162	4.10	2.28	2.62	2.37	1.69	1.08	9.92
Wrangler <sup>†</sup>	3.67	2.15	2.51	2.30	1.59	1.28	9.87
Vernal <sup>†</sup>	3.69	2.34	2.35	2.63	1.47	1.10	9.70
54VR03RR	4.35	2.70	1.51	2.28	1.70	1.20	9.39
FGR47M319	3.89	2.34	2.39	2.39	1.42	0.90	9.35
Experiment Mean	4.08	2.33	2.40	2.50	1.61	1.14	9.99
CV (%)	7.00	6.46	8.53	11.44	8.65	16.55	5.13
MCV (%)	10.05	9.22	12.19	16.40	12.36	23.64	7.32
LSD (0.05)	0.41	0.21	0.29	0.41	0.20	0.27	0.73
LSD (0.25)	0.24	0.13	0.17	0.24	0.12	0.16	0.43
LSR (%)	26.77	28.23	16.62	34.92	23.71	29.21	28.11

\* 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>†</sup> Check varieties that did not receive any herbicide for weed control.

<sup>1</sup> 3 cuts

DESIGN: Randomized block  
 METHOD OF SEEDING: Carter cone drill  
 SOIL TYPE: Crete silt loam

PLOT SIZE: 5 rows 3' by 12'  
 PLANTING DATE: 4-12-11  
 REPS: 4