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

Entry	Dry Matter Tons/Acre*			
	2012			
	29-Jun	23-Aug	1-Oct	Total
Magnitude	1.52	2.15	0.72	4.39
Vernal <sup>†</sup>	1.75	1.99	0.65	4.38
BYA01-T	1.84	1.91	0.60	4.35
AGRMS-101	1.45	2.05	0.80	4.30
FSG423ST	1.43	1.95	0.86	4.24
AGRMS-102	1.50	2.01	0.65	4.16
Wrangler <sup>†</sup>	1.31	2.06	0.76	4.13
msSunstra-803	1.42	1.88	0.77	4.07
msSunstra-803QR	1.47	1.92	0.66	4.04
MarinerIV	1.57	1.73	0.71	4.01
55Q27	1.32	1.86	0.78	3.96
AGRMS-103	1.35	1.74	0.75	3.84
Experiment Mean	1.49	1.94	0.72	4.16
CV (%)	27.79	13.19	28.22	9.64
MCV (%)	39.70	18.85	40.31	13.76
LSD (0.05)	0.59	0.37	0.29	0.57
LSD (0.25)	0.35	0.21	0.17	0.33
LSR (%)	38.22	20.54	36.72	30.74

\* 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.

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

PLOT SIZE: 5 rows 3' by 12'  
PLANTING DATE: 4-6-2012  
REPS: 4