

## 2016 New Mexico Alfalfa Trial at Farmington, NM

**Table 3.** Results from the 2014 Farmington Alfalfa Forage Yield Trial for the 2015 and 2016 growing seasons.†

Variety Name	Company or Brand Name	Fall Dormancy	Yield (dry tons/acre)					Total Yield 2016	Two Year Average
			Total Yield 2015	June 2 2016	July 11 2016	August 17 2016	October 5 2016		
Raven	Blue River Hybrids	4	10.48	3.20	2.89	2.50	1.54	10.13	10.31
Mallard	Blue River Hybrids	5	10.50	3.13	2.98	2.54	1.44	10.07	10.29
Ranger	Public	3	10.23	3.42	2.97	2.39	1.54	10.31	10.27
MagnaGraze II	Sharp Brothers	3	9.87	3.40	2.95	2.51	1.64	10.50	10.18
Arrowhead II	Alforex Seeds	2	10.18	3.06	2.97	2.71	1.42	10.15	10.16
Lahonton	Public	6	10.32	2.85	2.84	2.58	1.59	9.86	10.09
Roadrunner	Blue River Hybrids	4	10.77	2.99	2.57	2.31	1.44	9.30	10.03
4S417	Mycogen Seeds	4	10.04	2.94	3.00	2.54	1.45	9.92	9.98
WL 363HQ	W-L Research	5	9.90	3.12	2.94	2.52	1.40	9.98	9.94
Archer III	America's Alfalfa	5	10.48	2.71	2.97	2.41	1.25	9.34	9.91
Mountaineer 2.0	Croplan Genetics	5	9.81	2.82	2.96	2.24	1.60	9.61	9.71
GrandStand	Crop Production Services	4	9.52	3.25	2.95	2.31	1.39	9.90	9.71
PGI 424	Alforex Seeds	4	10.04	2.86	2.87	2.29	1.36	9.37	9.70
AFX103009	Alforex Seeds	NA	9.87	3.06	2.75	2.19	1.54	9.54	9.70
NM Common	Roswell Seed Co.	NA	9.90	3.13	2.46	2.21	1.56	9.35	9.62
WL 354HQ	W-L Research	4	9.86	3.03	2.71	2.27	1.18	9.19	9.53
Gunner	Croplan Genetics	5	9.61	2.82	2.75	2.26	1.36	9.18	9.39
Dona Ana	New Mexico State University	7	9.52	2.97	2.61	2.15	1.49	9.22	9.37
54VR03	Pioneer Hi-Bred Int'l	4	9.64	2.46	2.64	2.37	1.29	8.75	9.20
Wilson	New Mexico State University	6	9.33	2.57	2.39	2.30	1.57	8.82	9.07
Malone	New Mexico State University	7	8.87	2.63	2.28	2.32	1.48	8.71	8.79
Zia	Roswell Seed Co.	5	8.87	2.19	2.17	2.23	1.54	8.12	8.49
Mean			9.89	2.94	2.75	2.37	1.46	9.51	9.70
LSD (0.05)			1.06	0.48	0.38	NS	0.22	0.98	0.81
CV%			7.55	11.67	9.78	13.78	10.55	7.26	8.36

†Data were detrended using nearest neighbor analysis, and analyzed using analysis of variance.

NS, no significant differences detected among varieties within the column at the 5% level.

### Additional Information

Date of establishment: 8/12/2014  
 Irrigation method: Solid set sprinkler lines  
 Irrigation frequency: 2-3 times per week during the irrigation season, for 1.5 hours per irrigation.  
 Total seasonal irrigation = 39.36 inches. Total precipitation = 7.14 inches.  
 Number of reps: 4  
 Harvest dates: 2015: 6/2, 7/6, 8/17, 10/9  
 2016: 6/2, 7/11, 8/17, 10/5

Note: No Irrigation occurred for 30 days due to NIIP East Syphon break ( May 13 through June 13).  
 Irrigation resumed on June 14th with 4 consecutive hours of irrigation.

Fertilizer: No fertilizer was applied in 2016.  
 Herbicide: No herbicides were applied in 2016.  
 Insecticide: No insecticides were applied in 2016.