

Table 7. Results from the 2016 Los Lunas Alfalfa Forage Yield Trial for the 2017 growing season.†

Variety Name	Company or Brand Name	Yield (dry tons/acre)					Total Yield 2017
		Fall Dormancy	June 6 2017	July 18 2017	September 1 2017	November 6 2017	
NuMex Bill Melton	New Mexico State University	7	2.62	2.16	1.35	0.90	7.03
WL 454HQ.RR	W-L Research	6	2.61	2.15	1.20	0.87	6.83
NM14BMHS1	New Mexico State University	NA	2.56	2.00	1.39	0.84	6.78
AmeriStand 715NT RR	America's Alfalfa	7	2.14	2.12	1.56	0.92	6.73
NM14MalHS3	New Mexico State University	NA	2.52	2.05	1.16	0.97	6.70
Artesian Sunrise	Croplan Genetics	7	2.39	2.03	1.17	1.03	6.62
Meadowlark	Blue River Hybrids	4	2.42	1.90	1.33	0.93	6.59
Roadrunner	Blue River Hybrids	4	2.23	2.03	1.34	0.98	6.57
Transition 6.10RR	Croplan Genetics	6	2.39	2.01	1.24	0.89	6.51
Archer III	America's Alfalfa	5	2.06	2.22	1.26	0.91	6.44
msSunstra 155204	Alforex Seeds	6	2.16	2.10	1.21	0.95	6.41
msSunstra 155206	Alforex Seeds	6	1.96	2.21	1.49	0.75	6.41
HybriForce 2600	Alforex Seeds	6	1.96	2.29	1.28	0.88	6.41
Stratica RR	Croplan Genetics	4	2.23	1.85	1.37	0.88	6.32
SW 7473	S&W Seed Co.	7	2.10	2.13	1.36	0.74	6.32
WL 440HQ	W-L Research	6	2.10	2.07	1.29	0.83	6.29
Dona Ana	New Mexico State University	7	2.11	1.90	1.33	0.86	6.20
NM14ALWLHQ	New Mexico State University	NA	2.20	1.80	1.36	0.81	6.17
WL 372HQ.RR	W-L Research	5	1.86	2.13	1.32	0.80	6.10
Six Shooter RR	Croplan Genetics	6	1.95	2.06	1.29	0.78	6.08
Hi-Gest 660	Alforex Seeds	6	2.05	1.83	1.30	0.86	6.04
Malone	New Mexico State University	7	1.83	1.93	1.39	0.83	5.97
Tonnica RR	Croplan Genetics	5	2.10	1.89	1.19	0.78	5.95
SW 7408	S&W Seed Co.	7	2.00	1.82	1.28	0.85	5.95
WL 552HQ.RR	W-L Research	8	1.58	2.04	1.16	1.04	5.83
AmeriStand 855T RR	America's Alfalfa	8	1.91	1.85	1.20	0.79	5.75
NM Common	Roswell Seed Co.	NA	1.89	1.80	1.14	0.76	5.59
NM14BM1008251	New Mexico State University	NA	1.76	1.77	1.25	0.77	5.54
Mean			2.13	2.00	1.29	0.86	6.29
LSD (0.05)			0.55	0.31	NS	0.15	0.76
CV%			18.44	11.02	14.35	12.05	8.61

†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: 9/20/2016
 Irrigation method: Flood irrigation every 21-28 days from April through October.
 Irrigation total: Total seasonal irrigation amount = 37.20 inches. Total precipitation = 13.33 inches.
 Number of reps: 4
 Harvest dates: 2017: 6/6, 7/18, 9/1, 11/6

Fertilizer: 100 pounds per acre of 11-52-0 were applied on 9/20/2016 prior to planting.
 Herbicide: 5 ounces per acre of Raptor and 1 quart per acre of Prowl were applied on 3/14/2017.
 Insecticide: 1.9 ounces per acre of Warrior were applied on 4/3/2017.