

## Western Colorado Alfalfa Variety Performance Test at Fruita 2007

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### Summary

The 2007 results of Colorado State University's alfalfa variety performance test at Fruita are presented below in Table 1. Plots were planted fall 2004 and the data for 2007 are for the third year of a three-year testing period. Alfalfa stands are excellent and plots are weed-free. The field is furrow-irrigated using gated pipe.

Table 1. Forage yields of 11 alfalfa varieties at the Western Colorado Research Center at Fruita in 2007.<sup>1</sup>

Variety	Source/Brand	1 <sup>st</sup> Cut May 24	2 <sup>nd</sup> Cut July 3	3 <sup>rd</sup> Cut Aug. 14	4 <sup>th</sup> Cut Oct. 3	2007 Total	3-yr Total <sup>2</sup>
		tons/acre <sup>3</sup>					
Mountaineer 2.0 4542	Croplan Genetics	3.78	2.58	2.29	1.43	10.08	29.99
	Forage Genetics Intl.	3.70	2.58	2.27	1.32	9.87	29.61
FSG 351	Allied Seed, L.L.C.	3.23	2.28	2.95	1.24	9.69	29.54
FSG 505	Allied Seed, L.L.C.	3.64	2.51	2.30	1.35	9.80	29.22
WL 357 HQ	W-L Research	3.32	2.37	2.19	1.36	9.24	28.83
CW 15030	Cal/West Seeds	3.34	2.47	2.24	1.29	9.34	28.79
CW 13014	Cal/West Seeds	3.22	2.45	2.44	1.23	9.33	28.50
FSG 408DP	Allied Seed, L.L.C.	3.30	2.40	2.46	1.21	9.37	28.48
FSG 406	Allied Seed, L.L.C.	3.42	2.36	2.55	1.17	9.49	28.40
Garst 6530	Garst	3.38	2.29	2.13	1.14	8.95	28.34
Bullseye	Target Seed	3.38	2.46	2.44	1.35	9.64	28.22
Ave.		3.43	2.43	2.39	1.28	9.53	28.90
CV (%)		8.3	8.9	11.0	8.7	6.2	3.3
LSD (0.05)		NS	NS	0.38	0.16	NS	NS

<sup>1</sup>Seeded 26 August 2004 at 15 lbs/acre.

<sup>2</sup>Table is arranged by decreasing 3-yr total yield.

<sup>3</sup>Yields were calculated on an air-dry basis.

Last spring frost – April 19, 2007; first fall frost – October 18, 2007. Frost-free days for 2007 - 182 days (28°F base). Fertilizer: 276 lbs P<sub>2</sub>O<sub>5</sub>/acre and 108 lbs N/acre broadcast as 18-46-0 on August 16, 2004 and plowed down prior to planting. Applied Raptor at 6.0 oz/acre plus Select 2EC at 1 pt/acre (added 1 qt. of UAN plus 1 qt. crop oil concentrate and 1 gal. of URAN fertilizer in 100 gallons of water) using 19 gals water/acre at 25 psi for weed control on 9 Mar 2007.

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