



Colorado Agricultural Experiment Station
Western Colorado Research Center-Fruita
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2018 irrigated pinto bean variety trial in Delta, Colorado

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Cooperator farmer: Mr. Wayne Brew

Experimental details

Location: Delta, CO

Experimental design: Randomized complete block design with four replications

Irrigation method: Furrow

Previous crop: Sweet corn

Planting date: June 07, 2018

Planting density: 90,000 seed/ac

Harvest date: September 25, 2018

Fertilizer: 17 gal/ac 10-34-0; 3 pints chelated MN; 2 quarts 0-0-25 (all liquid fertilizers injected 2 inches below and 2 inches side of the seed row before planting)

Herbicide: Brawl (pre-emergence at 20 oz/ac: double incorporated)

Insecticide: Aerial application of 12 oz/ac Onager mixed with 1 pint/ac Dimethoate on Aug 16 to control spider mites and thrips.

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Table 1: 2018 irrigated pinto bean variety trial in Delta CO. Grain yields are adjusted to 14% moisture.

Rank	Variety	Source	Yield (lb/ac)	Seed/lb
1	La Paz	ADM Seedwest	3011	1329
2	SV6139 GR	Seminis	2991	1319
3	Mariah	Seminis	2886	1413
4	Dr Wood	Colorado State University	2882	1311
5	Cowboy	ADM Seedwest	2829	1327
6	Montrose	Colorado State University	2829	1338
7	Monterrey	ADM Seedwest	2803	1400
8	Croissant	Colorado State University	2793	1400
9	Radiant	ADM Seedwest	2714	1378
10	Vibrant	ADM Seedwest	2679	1453
11	Long's peak	Colorado State University	2646	1284
12	Centennial	Colorado State University	2609	1298
13	ND-Palomino	North Dakota State University	2525	1204
14	Torreon	ADM Seedwest	2489	1402
15	PT-17-295	ADM Seedwest	2341	1458
16	PT-17-292	ADM Seedwest	2192	1497
	Mean		2712	1363
	Variety		<.0001	<.0001
	CV		7.1	2.5
	LSD ($P \leq 0.05$)		286	74

Acknowledgment

This trial was funded by Western Colorado Premium Bean Seed.