

# 2025 Irrigated Pinto Bean Variety Performance Trial at Yuma

Variety	Source	Traits	Yield <sup>a</sup> lb/ac	2-Year	Test	Seeds/Pound	Moisture percent
				Average Yield lb/ac	Weight lb/bu		
Gleam	Seedwest	Slow-Dark	<b>3182</b>	-	<b>64.5</b>	1267	13.0
USDA Rattler	Kelley Bean	-	<b>3093</b>	3241	61.6	1112	11.8
Shine	Seedwest	Slow-Dark	<b>2919</b>	-	63.5	1166	9.3
SV6139GR	Seminis Vegetables by Bayer	-	2905	3022	61.9	1131	9.4
Mystic	Seedwest	Slow-Dark	2885	-	62.3	1109	14.9
Wildcat	Farmer Bean and Seed	Slow-Dark	2808	2882	62.0	884	14.8
NE2-22-36	Univ. of Nebraska-Lincoln	Slow-Dark	2666	-	61.8	1229	14.5
TVS 21-4-6	Treasure Valley Seed	Slow-Dark	2624	-	60.4	1160	8.6
Basin	Central Bean	-	2535	-	62.8	1271	11.4
USDA Cody	USDA-ARS, Prosser, WA	-	2535	2721	<b>64.4</b>	1319	10.9
NE2-22-18	Univ. of Nebraska-Lincoln	-	2517	-	59.3	1017	10.1
NE4-17-6	Univ. of Nebraska-Lincoln	Slow-Dark	2484	-	60.1	1055	11.4
Charro	Michigan State Univ.	-	2437	2865	62.8	1166	9.5
NE4-17-10	Univ. of Nebraska-Lincoln	Slow-Dark	2214	2677	58.6	1036	10.9
NE2-17-37	Univ. of Nebraska-Lincoln	Slow-Dark	2128	2408	60.8	1315	10.9
ND Rodeo	North Dakota State Univ.	Slow-Dark	2066	2992	63.4	1239	11.3
TVS 21-7-8	Treasure Valley Seed	Slow-Dark	2046	-	<b>64.8</b>	1239	14.3
TVS 21-6-10	Treasure Valley Seed	Slow-Dark	1831	-	59.8	1143	9.0
Bronco	Treasure Valley Seed	Slow-Dark	1792	2336	62.8	1160	15.1
USDA Diamondback	Kelley Bean	Slow-Dark	1643	2260	61.8	1250	12.2
Lava*	Central Bean	-	1627	-	62.2	1330	12.4
ND Falcon	North Dakota State Univ.	-	1546	2259	57.7	1391	8.8
Max	Central Bean	-	1481	-	60.7	1075	9.8
<b>Average</b>			<b>2346</b>	<b>2697</b>	<b>61.7</b>	<b>1177</b>	<b>11.5</b>
			<sup>b</sup> LSD (0.30)	274	0.6		
			<sup>b</sup> LSD (0.05)	523	1.1		
Coefficient of Variation (CV)			9.8%		0.5%		

\*Small red market class

<sup>a</sup>Varieties are ranked from highest to lowest yield. All yields were corrected to 14% moisture.

<sup>b</sup>Farmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

### Site Information

Collaborator: JT Farms  
 Planting Date: June 13, 2025  
 Harvest Date: September 29, 2025  
 Herbicides: Trial cultivated to control palmer amaranth and then hand-weeded for further Palmer amaranth control. Pre-Harvest desiccant: Sharpen at 2 oz/ac and glyphosate at 32 oz/ac with AMS and Tapran applied 11 days prior to harvest.  
 Soil Type: Haxtun loamy sand  
 GPS Coordinates: 40.0733586, -102.5294372  
 Trial Comments: Trial planted into good moisture and had even and excellent stand establishment. Heavy palmer weed pressure, control was good until after flowering, then low to medium pressure in plots. Trial irrigated regularly throughout the summer and desiccated when at least 80% of the plots had greater than 80% dry pods.

*The data included in this table may not be republished without permission. Contact Sally Jones-Diamond (sally.jones@colostate.edu) or Jason Webb (jason.webb@colostate.edu)*