

# 2025 Irrigated Yellow Bean Variety Performance Trial at Yuma

Variety	Source	Yield <sup>a</sup> lb/ac	Maturity days	Test		
				Weight lb/bu	Seeds/Pound	Moisture percent
Patron	Farmer Bean & Seed	<b>1763</b>	101	<b>63.7</b>	1260	14.9
MY 12724	Kelley Bean Co.	1528	98	61.7	1597	15.3
Early Barranca	Central Bean	1332	100	<b>62.9</b>	1274	13.8
Yellowstone	Michigan State Univ.	1243	94	<b>63.4</b>	1315	14.0
Y2033307	Seedwest	1191	90	57.2	1454	16.5
SV0863	Farmer Bean & Seed	1002	99	60.5	1603	15.1
<b>Average</b>		<b>1343</b>	<b>97</b>	<b>61.6</b>	<b>1417</b>	<b>14.9</b>
<sup>b</sup> LSD (0.30)		157		1.0		
<sup>b</sup> LSD (0.05)		312		2.1		
Coefficient of Variation (CV)		15.0%		2.9%		

<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.

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