

Pinto Bean Variety Trial

Lawrence M. Sullivan and Gary Cramer, Extension Agricultural Agents, Cochise County;
and David K. Parsons, Assistant Extension Specialist--Field Testing

Ron Berens, Wickes Agriculture Cooperator Kansas Settlement, Cochise County

Elevation: 4100 feet

Crop History:

Planted: June 23, 1981 into preirrigated soil.
Seeding Rate: 76 lbs/acre
Weed Control: 1½ pts. treflan applied prior to planting and a hand weeding in late July.

Disease Control: Applications of copper hydroxide were made on July 20 and August 20 for control of common bean blight.

Harvested: Cut 9/19/81, windrowed 9/22/81, and combined 9/26/81.

Fertilizer:	Source	Lbs/A	Time of Application	Lbs N/A	Lbs P ₂ O ₅ /A
	16-20-0	300	Prior to Planting	48	60
			Total	48	60

Irrigation: The plot received, including the preplant, 4 irrigations of well water. An additional 5 inches occurred as rainfall for an estimated total of 29 acre inches/acre.

Plot size: 15 X 788 feet.

Variety	Yield (lbs/plot) ^{1/}			Ave. Yield (lbs)	Dockage (%)	Yield ^{2/} (lbs/acre)
	Rep 1	Rep 2	Rep 3			
NW 410	544	405	497	482	9.2	1777 a
Luna	521	428	415	455	10.8	1678 a
UI 111	472	497	376	448	8.5	1654 a
Olathe	538	411	364	438	7.3	1615 a
UI 114	559	377	376	437	7.2	1613 a
Wyo. 166	560	327	399	428	8.3	1582 a
NW 590	406	305	471	394	11.4	1453 a
Columbia	322	335	482	380	7.8	1400 a

^{1/}All yields have been adjusted to a 12% moisture content.

^{2/}Yields followed by the same letter are not significantly different at the .05 level by the Student-Newman-Keuls' Test.

Dry Bean Variety Test

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Assistant Extension Specialist--Field Testing

Phelps Dodge Farm, Cooperator

Hereford, Arizona

Elevation: 4200 feet

Crop History:

Planted: June 25, 1981
Seeding Rate: 70 lbs of inoculated bean seed per acre
Previous Crop: Fallow
Herbicides: None
Insecticides: One application of Sevin was made for bean beetles on Aug. 5, 1981.
Fertilization: 25 units of N from Nitro-Sol were applied in irrigation water on Aug. 11.
Irrigation: Four irrigations of four inches each were applied in addition to about eight inches of rainfall.

Plot Size: 3' x 11'