

Dry Bean Variety Demonstration

David K. Parsons, Assistant Extension Specialist--Field Testing and Victoria Marcarian, Adjunct Assistant Professor, Department of Plant Sciences.

Phelps Dodge Farm Cochise County

Elevation: 4200 feet

Crop History:

Planted: June 30, 1980

Seeding Rate: 6 seeds per foot of row

Harvested: November 20, 1980

Previous Crop: Fallow

Insecticides: One application of Sevin was made for control of bean beetles

Fertilization: None

Irrigation: Six irrigations of about 4 inches each were applied in addition to about 3 inches of rainfall.

Plot Size: 3' X 10'

Type	Variety	Yield (Grams/plot)				Ave. Yield (grams)	Yield (calculated in lbs/acre)
		Rep 1	Rep 2	Rep 3	Rep 4		
Small White	Chief	1296	982	1054	1483	1204	3850a
Pinto	NW590	1164	1117	793	1242	1079	3450ab
Pinto	NW410	950	1172	888	1039	1012	3240abc
Red Mexican	NW63	1063	1007	885	903	965	3090abcd
Purple Mottled	Chevalier	1074	936	931	896	959	3070abcd
Red Mexican	UI36	1060	1132	592	1030	954	3050abcd
Pinto	UI III	949	880	764	990	896	2870 bcde
Pinto	Olathe	944	944	783	886	889	2840 bcde
Blackeye	Calif #5	1015	977	723	711	857	2740 bcde
Pinto	UI 114	875	841	824	877	854	2730 bcde
Great Northern	KL 10	744	1055	837	716	838	2680 bcde
Small white	Sanilac	717	841	827	870	814	2600 bcde
Great Northern	UI61	821	870	700	677	767	2450 cde
Long white	Nain Lingot	812	774	806	674	767	2450 cde
Small White	I.S.B.730	763	956	595	688	751	2400 cde
Great Northern	U.S.1140	651	745	795	789	730	2340 cde
Great Northern	KL12	817	669	574	603	665	2130 de
Great Northern	UI59	654	470	696	676	609	1950 e
Mung	VNS	390	590	302	296	395	1260 f
Faba	Seville <sup>2/</sup>	332	--	152	--	242	770

1/ Means followed by the same letter are not significantly different at the .05 level according to the Student-Newman-Keuls test.

2/ Not included in statistical analysis.

Dry Bean Variety Demonstration

Robert Racicot, Navajo County Agricultural Agent, David K. Parsons, Assistant Extension Specialist--  
Field Testing and Victoria Marcarian, Adjunct Assistant Professor, Department of Plant Sciences.

Martineau Farm Navajo County

Elevation: 5000 feet.

Crop History:

Planted: June 23, 1980

Harvested: October 21, 1980

Seeding Rate: 6 seeds per foot of row

Previous Crop: Potatoes

Insecticides: None

Weed Control: Treflan was applied prior to planting at the rate of 1.0 lb active ingredient per acre.  
Field was cultivated twice, two and five weeks after planting.

Fertilizer:

Source	Lbs/A	Time of Application	Lbs P <sub>2</sub> O <sub>5</sub> /A
0-48-0	200	Prior to Planting	96

Irrigation: Rainfall and sprinkle irrigations were estimated to have totaled 24 acre inches per acre.

Plot size: 1.75' X 14'

Type	Variety	Rep 1	Rep 2	Rep 3	Rep 4	Ave. Yield grams	Yield <sup>1/</sup> (Tbs/acre)
Pinto	GR 113	566	964	589	-	706	2760a
Red Mexican	NW 63	554	522	814	649	635	2490ab
Great Northern	UI 59	512	883	495	-	630	2470ab
Red Mexican	UI 36	493	802	518	627	610	2390ab
Pinto	UI 111	632	664	575	477	587	2300ab
Great Northern	UI 61	530	616	687	495	582	2280ab
Pinto	NW 410	431	675	590	-	565	2210ab
Pinto	NW 590	597	-	566	525	563	2200ab
Pinto	Olathe	455	794	536	419	551	2160ab
Great Northern	KL 10	430	516	662	-	536	2100ab
Purple Mottled	Chevalier DR	594	473	440	-	502	1960ab
Pinto	UI 114	470	590	528	420	502	1960ab
Great Northern	KL 12	350	576	476	370	443	1730ab
Small White	ISB 730	336	507	360	458	415	1620 b

Yields followed by the same letter are not significantly different at .05 level by Student Newman Keul's test.