



## 2023 Irrigated Dry Bean Variety Performance Trial at Kirk

Variety	Source	Traits	Yield <sup>a</sup> lb/ac	2-Year Yield average	Weight lb/bu	Seeds/Pound	Moisture percent	Maturity days after planting
USDA Cody	USDA-ARS, Prosser, WA	-	<b>4285</b>	-	61	1172	13	87
ND Palomino	North Dakota State Univ.	Slow-Dark	<b>3943</b>	3074	60	1077	22	90
PT22-7	USDA-ARS, Prosser, WA	-	<b>3934</b>	-	60	1105	21	88
USDA Rattler	Kelley Bean	-	<b>3917</b>	3646	60	1042	14	88
Charro	Michigan State Univ.	-	3849	3331	61	1070	23	90
ND Rodeo	North Dakota State Univ.	Slow-Dark	3774	-	62	997	23	90
USDA Diamondback	Kelley Bean	Slow-Dark	3629	-	61	1057	21	88
PT22-8	USDA-ARS, Prosser, WA	-	3584	-	60	1106	18	87
SV6139GR	Seminis	-	3510	-	62	1169	13	82
ND Falcon	North Dakota State Univ.	-	3506	2924	59	1171	14	91
NE2-22-12	Univ. of Nebraska-Lincoln	-	3376	-	61	970	20	89
NE2-21-41	Univ. of Nebraska-Lincoln	-	3125	-	62	1079	13	84
USDA Basin	USDA-ARS, Prosser, WA	-	2855	2531	59	1105	22	88
<b>Average</b>			<b>3637</b>	<b>3101</b>	<b>61</b>	<b>1086</b>	<b>18</b>	<b>88</b>
			<sup>b</sup> LSD (0.30)	379				
			<sup>b</sup> LSD (0.05)	734				
			Coefficient of Variation (CV)	12.8				

<sup>a</sup>Yields corrected to 14% moisture.

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

**Site Information**

Collaborator: TK Farms  
 Planting Date: June 21, 2023  
 Harvest Date: September 30, 2023  
 Soil Type: Haxtun sandy loam  
 GPS Coordinates: 39.598833, -102.465873  
 Trial Comments: Trial initially planted on June 8 and then replanted on the 21 due to poor emergence. Replanted beans had excellent emergence and plant stands. Good weed control throughout the season. Desiccant sprayed a week prior to harvest. All plots were direct-harvested with a combine equipped with a flex-header.

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