



## 2022 Irrigated Dry Bean Variety Performance Trial at Otis

Variety	Source	Traits	Yield <sup>a</sup> lb/ac	Test	Seeds/Pound	Moisture percent	Physiological
				Weight lb/bu			Maturity days after planting
Charro	Michigan State Univ.	-	<b>3466</b>	61	1060	10	93
DRWood	Colorado State Univ.	-	<b>3460</b>	61	1096	11	93
PT16-9	Kelley Bean	Slow-Dark	<b>3410</b>	60	1025	12	93
Croissant	Colorado State Univ.	-	<b>3323</b>	60	1127	11	91
PT9-5-6	USDA-ARS, Prosser, WA	-	3225	60	1080	11	91
BASIN	USDA-ARS, Prosser, WA	-	3223	60	1066	11	92
PT20-16	USDA-ARS, Prosser, WA	-	3107	60	1022	11	92
USDA Rattler	Kelley Bean	-	2988	58	859	12	100
Centennial	Colorado State Univ.	-	2834	61	1001	13	93
ND172568	North Dakota State Univ.	Slow-Dark	2775	61	991	12	99
ND Falcon	North Dakota State Univ.	-	2686	57	1109	11	95
ND Palomino	North Dakota State Univ.	Slow-Dark	2566	58	1044	13	95
<b>Average</b>			<b>3089</b>	<b>60</b>	<b>1040</b>	<b>11</b>	<b>94</b>
<sup>b</sup> LSD (0.30)			206				
<sup>b</sup> LSD (0.05)			402				
Coefficient of Variation (CV)			8.3				

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

<sup>b</sup>Farmers selecting a variety based on yield should use the LSD (0.30) to protect from false negative decisions. Companies or researchers may be interested in the LSD (0.05) to avoid false positive conclusions. Yields in bold were in the top LSD yield group.

### Site Information

Collaborator: Corman Family Farms  
 Planting Date: June 7, 2022  
 Harvest Date: September 28, 2022  
 Soil Type: Haxtun sandy loam  
 Fertilizer: N at 50, P at 32 lb/ac  
 Herbicides: Valor at 1 oz/ac, Moccasin at 16 oz/ac, and Prowl at 32 oz/ac  
 Eptam at 2 pt/ac applied via chemigation on June 29th and July 20th  
 Basagran at 12 oz/ac, Clethodim at 10 oz/ac, and Raptor at 4.2 oz/ac applied July 4th  
 Insecticides: bifenthrin at 6 oz/ac applied July 4th  
 Acephate applied on July 19th  
 Fungicides: Copper sulfate applied July 19th  
 Trial Comments: Excellent plant stands and weed control throughout the season. Desiccant sprayed on September 20th. All plots were direct-harvested with a combine equipped with a flex-header.

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 Contact Sally Jones-Diamond (sally.jones@colostate.edu)*