

2025 South Dakota Chickpea Variety Trial Results - Sturgis

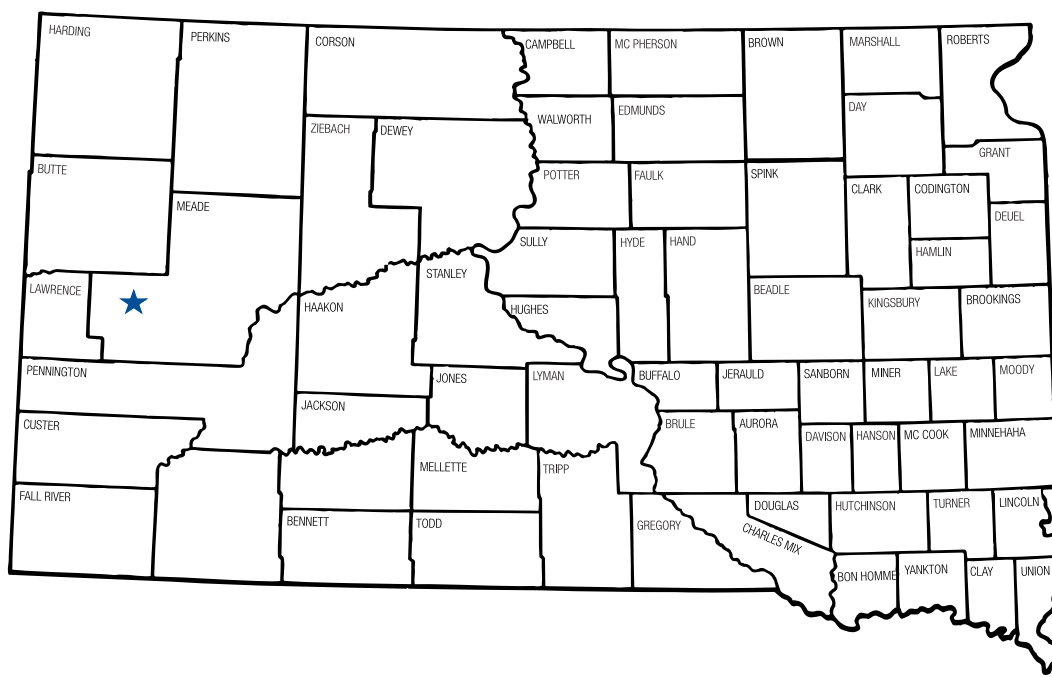
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Western trial location: Sturgis

Cultural Practices:

Planting Rate: 130,000 viable seeds/ac

Inoculation: N-Charge granular inoculant

Herbicide: Sulfentrazone, Metalochlor + Roundup

Planting Date: 4/7/2025

Harvest Date: 9/11/2025

Acknowledgements: Thanks to the South Dakota Pulse Council for funding these trials.



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2025 South Dakota Chickpea Variety Trial Results Variety List

Table 1. List of chickpea varieties tested in 2025 along with seed supplier and agronomic characteristics.

Variety	Seed Supplier	Market Class
CDC Leader	Meridian Seeds	Kabuli
CDC Orion	Meridian Seeds	Kabuli
New Hope	Meridian Seeds	Kabuli
CDC Palmer	Meridian Seeds	Kabuli
CDC Frontier	Meridian Seeds	Kabuli
CDC Lancer	University of Saskatchewan	Kabuli
CDC Orkney	University of Saskatchewan	Kabuli
CDC Sunset	University of Saskatchewan	Desi
Black Sicilian	Adaptive Seeds	Kabuli
Golden Dragon	Adaptive Seeds	Desi
Pico Pardal	Adaptive Seeds	Kabuli



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2025 South Dakota Chickpea Variety Trial Results Sturgis (West River Research Farm)

Table 2. 2025 chickpea variety performance trial results in Sturgis, South Dakota. Varieties ranking in the top quartile of each trial category are bold and shaded light blue.

Variety	2025	
	Yield (bu/a)	Test Wt. (lb/bu)
Black Sicilian	2407	51.6
CDC Frontier	1759	57.5
CDC Lancer	1332	52.4
CDC Leader	2120	53.8
CDC Orion	1996	52.2
CDC Orkney	1620	49.9
CDC Palmer	2314	53.2
CDC Sunset	2992	57.8
Golden Dragon	2882	47.2
New Hope	1480	53.0
Pico Pardal	2335	53.8
Average	2113	52.9
CV	19	5
LSD†	566	3.8
† Value required (≥LSD) to determine if varieties are significantly different from one another.		