



**SOUTH DAKOTA
STATE UNIVERSITY**

College of Agriculture, Food and Environmental Sciences |
SDSU Extension | South Dakota Agricultural Experiment Station

2025 South Dakota Field Pea Variety Trial Results - Sturgis

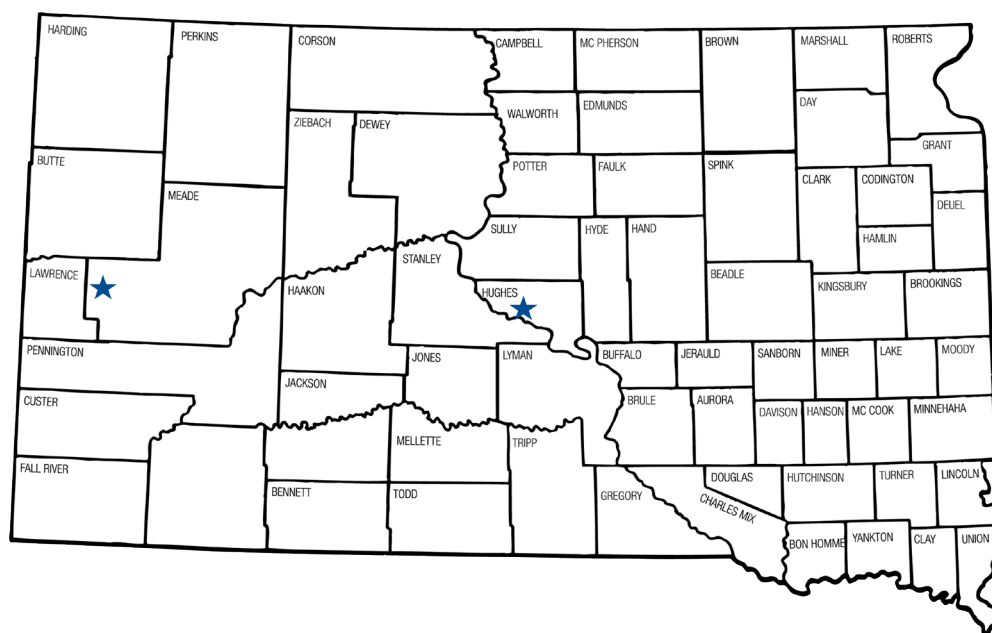
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Central trial location: Pierre

Western trial location: Sturgis

Individual trial location results can be accessed online at: <https://extension.sdstate.edu/field-pea-variety-trial-results>

Cultural Practices:

Planting Rate: 350,000 viable seeds/ac

Inoculation: N-Charge granular inoculant

Herbicide: Sulfentrazone, Metalochlor + Roundup

Soil: Nunn clay loam

Planting Date: 4/7/2025

Harvest Date: 8/4/2025

Row Spacing: 10"

Tillage: No-till

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

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2025 South Dakota Field Pea Variety Trial Results Variety List

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

Variety	Seed Supplier	Seed Color	Seeds/lb
GTPR003	Gen Tech	Yellow	1950
GTPR004	Gen Tech	Yellow	2031
GTPR005	Gen Tech	Yellow	2000
GTPR007	Gen Tech	Yellow	2095
MS Growpro	Meridian Seeds	Yellow	1540
CDC Inca	Meridian Seeds	Yellow	1860
MS Prostar	Meridian Seeds	Yellow	2018
AAC Carver	Meridian Seeds	Yellow	2032
AAC Beyond	Meridian Seeds	Yellow	2190
AAC Chrome	Valesco	Yellow	1836
AAC Julius	Valesco	Yellow	2338
Shamrock	Valesco	Green	2070
AAC Iron Horse	Valesco	Yellow	-
AAC Harrison	Valesco	Yellow	-
McMurphy	Valesco	Yellow	-
P1140-2822	Valesco	Yellow	-
VG2511A53	Valesco	Yellow	-
Lacrosse	Valesco	Yellow	2712
Thor	Valesco	Yellow	-
EXP 25	Ingredion	Yellow	-
Hyline	Progene	Yellow	1823
Ultra	Progene	Green	2480
Pizzaz	Progene	Yellow	1465
173-7406	Progene	Yellow	2340
Passion	Progene	Green	2293
Ginny2	Progene	Green	2215



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

Table 2. 2025 field pea 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			2-Year Average		3-Year Average	
	Yield (bu/a)	Protein (%)	Test Wt. (lb/bu)	Yield (bu/a)	Protein (%)	Yield (bu/a)	Protein (%)
173-7406	51	25.4	61.5	-	-	-	-
AAC Beyond	55	25.2	61.0	45	26.3	61	25.5
AAC Carver	57	24.2	61.9	44	24.7	55	24.7
AAC Chrome	62	24.0	61.6	44	24.9	52	24.2
AAC Harrison	53	24.1	62.0	-	-	-	-
AAC IronHorse	64	23.8	62.4	-	-	-	-
AAC Julius	58	23.8	62.0	42	26.1	-	-
CDC Inca	61	23.7	62.3	44	26.2	58	24.5
EXP 25	53	25.9	62.8	-	-	-	-
Ginny2	59	23.8	61.8	-	-	-	-
GTPR003	60	25.1	62.1	-	-	-	-
GTPR004	58	25.2	62.9	41	26.7	54	26.0
GTPR005	55	25.4	62.4	40	27.2	51	26.4
GTPR007	63	24.2	63.1	44	26.2	-	-
Hyline	61	24.3	61.8	-	-	-	-
Lacrosse	51	25.7	61.6	37	25.7	-	-
Mc Murphy	58	25.8	62.0	-	-	-	-
MS GrowPro	58	24.6	60.9	43	26.5	53	26.3
MS Prostar	48	25.2	61.0	41	26.4	-	-
P1140-2822	55	26.2	61.1	-	-	-	-
Passion	55	23.5	61.9	-	-	-	-
Pizzaz	57	22.7	62.8	-	-	-	-
Shamrock	58	24.5	61.6	41	25.2	51	24.8
Thor	67	24.9	61.4	-	-	-	-
Ultra	57	23.2	61.1	-	-	-	-
VG2511A53	46	24.5	61.2	-	-	-	-
Average	57	24.6	61.8	42	26.0	54	25.3
LSD†	7	1.6	0.9	-	-	-	-
CV	8	5	1	-	-	-	-

† Value required ($\geq$ LSD) to determine if varieties are significantly different from one another.