



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2022 South Dakota Field Pea Variety Trial Results Pierre

Bruce Swan | Agricultural Research Manager
Logan Hoon | SDSU Research Technician
Travis Iverson | SDSU Senior Research Technician
Christopher Graham | SDSU Extension Agronomist

Central trial locations: Pierre

Western trial locations: Wall, Sturgis

Cultural Practices:

Planting Rate: 350,000 viable seeds/ac

Inoculation: N-Charge granular inoculant

Herbicide: Sulfentrazone

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

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



2022 South Dakota Field Pea Variety Trial Results Variety List

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 1. List of field pea varieties tested in 2022 along with seed supplier and agronomic characteristics.

Variety	Seed Supplier	Seed Color	Seeds/lb	Germination (%)
AAC Chrome	Great Northern Ag.	Yellow	1747	91
AAC Julius	Great Northern Ag.	Yellow	2188	95
AAC Profit	Great Northern Ag.	Yellow	1918	89
Salamanca	Great Northern Ag.	Yellow	1968	92
Shamrock	Great Northern Ag.	Green	1960	95
AAC Asher	Legume Logic	Yellow	2215	94
AAC Carver	Meridian Seeds	Yellow	1882	95
CDC Inca	Meridian Seeds	Yellow	1688	83
CDC Saffron	Meridian Seeds	Yellow	2048	95
CDC Spectrum	Meridian Seeds	Yellow	1633	85
MS Grow Pro	Meridian Seeds	Yellow	1491	91
MS-20G1	Meridian Seeds	Green	1916	96
MS-20Y1	Meridian Seeds	Yellow	1980	93
MS-20Y3	Meridian Seeds	Yellow	1873	93
MS-22YP6	Meridian Seeds	Yellow	2296	90
Aragorn	Progene	Green	1853	94
Banner	Progene	Green	2204	91
Banner 18	Progene	Green	2609	93
Fairway	Progene	Green	2536	96
Ginny 2	Progene	Green	2131	84
Goldenwood	Progene	Yellow	3266	93
Greenwood	Progene	Green	2495	93
Hyline	Progene	Yellow	1740	97
Keystone	Progene	Green	3007	91
Pizzazz	Progene	Yellow	1965	91
Pro 173-7406	Progene	Yellow	2045	90
Pro 182-7137	Progene	Green	2594	88
Pro 143-6220	Progene	Yellow	2293	94
Pro 143-6230	Progene	Yellow	2132	90
Pro 141-6258	Progene	Green	2624	98
Pro 171-7665	Progene	Green	2270	96
Vail	Progene	Green	2508	91
DL Apollo	Pulse USA	Yellow	2076	92
DS-Admiral	Pulse USA	Yellow	1804	94
Durwood	Pulse USA	Yellow	1904	95
Flute	Pulse USA	Green	2066	90
Korando	Pulse USA	Yellow	1946	94
LG Amigo	Pulse USA	Yellow	2108	87
Stunner	Pulse USA	Yellow	2246	95
SW Arcadia	Pulse USA	Green	2208	95
Viper	Pulse USA	Green	1708	95



**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

2022 South Dakota Field Pea Variety Trial Results Pierre (Dakota Lakes)

Table 2. 2022 field pea variety performance trial results in Dakota Lakes, South Dakota. Varieties ranking in the top 1/3 of each trial category are bold and shaded light blue.

Variety	2022			Protein (%)	3-Yr Average Yield (bu/ac)
	Yield (bu/a)	95% Confidence Interval (bu/a)‡			
AAC Asher	37	31	44	25.3	44
AAC Carver	42	35	49	24.6	45
AAC Chrome	38	32	45	26.0	41
AAC Julius	51	45	58	27.1	-
AAC Profit	47	40	53	27.1	49
Aragorn	41	34	47	26.5	-
Arcadia	42	36	49	25.0	43
Banner	35	28	41	23.4	-
Banner 18	39	33	46	23.9	-
CDC Inca	41	34	47	26.5	43
CDC Saffron	44	38	51	26.2	44
CDC Spectrum	45	38	51	26.3	40
DL Apollo	39	33	46	28.8	-
DS Admiral	28	21	36	26.1	40
Durwood	39	33	46	27.8	41
Fairway	29	23	36	25.7	-
Flute	42	35	48	25.9	-
Ginny 2	41	35	48	26.2	-
Goldenwood	24	17	31	26.7	-
Greenwood	29	23	36	30.1	-
Hyline	50	43	57	24.3	46
Keystone	19	13	26	26.3	-
Korando	43	37	50	26.4	45
LG Amigo	26	20	33	26.4	34
MS GrowPro	36	29	43	28.1	-
MS-20G1	39	33	46	27.5	-
MS-20Y1	47	41	54	27.2	-
MS20-Y3	41	34	48	28.0	-
MS22-YP6	44	37	51	27.3	-
Orchestra	29	21	37	28.7	-
Pizzazz	40	34	47	26.2	-
Pro 143-6220	32	25	39	27.9	-
Pro 143-6230	36	30	43	28.5	-
Pro 171-7665	39	32	45	24.5	-

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

‡ The confidence interval suggests that if this trial was conducted many times over, the mean for each variety would fall within this range 95% of the time.



**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

**2022 South Dakota
Field Pea Variety Trial Results
Pierre (Dakota Lakes)**

Variety	2022			Protein (%)	3-Yr Average Yield (bu/ac)
	Yield (bu/a)	95% Confidence Interval (bu/a)‡			
Pro 173-7406	45	37	52	26.3	-
Pro 174-6258	31	25	38	24.5	-
Pro 182-7137	24	17	31	28.7	-
Salamanca	49	42	55	27.4	46
Shamrock	40	34	47	26.5	41
Stunner	44	38	51	28.0	-
Vail	23	16	31	27.2	-
Viper	40	32	50	27.0	38
Average	38	-	-	26.6	42
LSD†	9	-	-	0.8	-

† Value required (\geq LSD) to determine if varieties are significantly different from one another.
‡ The confidence interval suggests that if this trial was conducted many times over, the mean for each variety would fall within this range 95% of the time.