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SOUTH DAKOTA STATE UNIVERSITY®
AGRONOMY, HORTICULTURE & PLANT SCIENCE DEPARTMENT

2018 South Dakota Field Peas Variety Trial Results Selby

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Cooperator:	Mark Stiegelmeier
Location:	Selby, SD
Soil Type:	Silt Loam
Fertilizer:	NA
Previous crop:	Corn
Tillage:	No-till
Row spacing:	10"
Seeding Rate:	350,000 PLS/acre
Herbicide:	Roundup
Fungicide:	NA
Date seeded:	4/23/2018
Date harvested:	8/13/2018
Notes:	This project is supported by funding from the South Dakota Pulse Council

Table 1. Field pea variety performance trial results (average of 4 replications) at Selby, SD§.

Variety	Test Wt (lbs)	Protein (%)	2018 (bu/a)	2 year (bu/a)	3 year (bu/a)
AAC Asher	64.1	25.1	68	-	-
AAC Carver	64.2	23.7	63	48	51
AAC Chrome	-	-	-	-	-
AAC Comfort	64.6	23.9	63	-	-
AAC Profit	64.9	26.6	60	-	-
Agassiz	64.6	26.2	60	46	51
Blumoon	64.4	25.7	51	39	44
Bridger	63.2	24.8	51	40	43
CDC Amarillo	64.1	25.3	57	46	53
CDC Dakota	65.2	26.4	62	-	-
CDC Greenwater	64.3	24.2	61	42	-
CDC Inca	65.6	26.5	68	49	-
CDC Saffron	64.7	26.1	69	49	53
CDC Spectrum	64.2	26.0	60	-	-
CDC Striker	63.8	27.0	49	36	38
DS-Admiral	63.4	24.0	52	43	47
Durwood	64.2	25.9	48	41	46
Earlstar	63.5	23.5	52	43	46
Empire (SGL 7647)	62.3	25.0	39	-	-
Ginny	63.1	25.1	50	40	-
Gunner	62.6	24.6	49	-	-
Hyline	64.7	24.4	62	48	50
Jetset	61.9	24.4	52	43	45
Korando	63.1	27.2	52	43	46
LG Amigo	64.1	26.2	54	44	-
LG Koda	64.1	23.7	56	46	-
LG Sunrise	64.1	25.3	52	-	-
Majestic	61.8	25.8	44	37	41
Mystique	62.2	25.8	47	41	46
Navarro	60.3	23.6	45	40	41
Nette 2010	65.2	22.4	52	43	45
Pro 093-7410 (experimental)	63.9	22.5	55	-	-
Pro 131-7123 (experimental)	62.6	25.0	43	-	-
Pro 133-6243 (experimental)	62.3	25.2	51	-	-
Salamanca	59.1	27.0	41	37	43
Shamrock	61.5	23.4	46	36	-
Spider	64.6	28.0	70	50	52
SW Arcadia	64.1	22.3	55	44	44
SW Midas	64.6	23.8	56	44	46
Viper	62.1	26.1	48	39	39
Trial Average	63.6	25.1	54	43	46
LSD (0.05)†	2.0	1.0	4.9	5.6	4.4
C.V. (%)‡	2.0	2.0	6	12	11

§ Values in bold rank in the top third of all varieties for each category

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

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.