

2019 Dillon, SC On-Farm Pea Grain Variety Trial Results

Variety	Company	Yield (bu/A)	Test Weight (lbs/bu)	Stand (plants/A)	Lodging at Harvest***
PSTSP28	Photosyntech	64.1*	56.2	289,506	3.2
PSTSPS38	Photosyntech	54.7*	62.5	304,518	2.4
Pro143-6230	ProGene	52.9*	52.6	373,142	3.4
Hampton	USDA-ARS	46.0	52.6	345,263	3.8
PSTSPS36	Photosyntech	45.0	49.3	323,818	1.6
PSTSPS37	Photosyntech	44.4	52.3	340,974	1.6
Jetset	Meridian	42.4	60.5	353,841	1.2
AAC Carver	Meridian	41.8	51.1	335,541	1.2
PSTSP31	Photosyntech	41.8	63.0	317,385	1.2
PS071000925	USDA-ARS	38.7	58.5	283,073	3.6
AC Agassiz	Meridian	38.1	59.6	310,951	1.0
CDC Greenwater	Meridian	37.9	46.0	304,518	0.0
Korando	Pulse USA	37.6	60.0	319,529	2.8
Spider	Great Northern Ag	37.3	60.4	293,795	0.4
LG Sunrise	Pulse USA	37.0	60.6	302,373	2.0
LG Amigo	Pulse USA	36.8	62.2	280,928	0.8
Hyline	Great Northern Ag	36.8	51.5	319,529	1.8
CDC Inca	Meridian	36.0	56.5	330,252	1.0
Durwood	Pulse USA	35.9	58.3	300,229	1.0
PS0810001022	USDA-ARS	35.7	54.9	289,506	4.0
PSTSP33	Photosyntech	35.1	58.7	330,252	2.2
PSTSP35	Photosyntech	33.9	61.8	315,240	1.0
Salamanca	Great Northern Ag	33.7	63.5	313,096	1.4
Kareni	Photosyntech	33.4	47.0	295,013	0.0
AAC Profit	Great Northern Ag	32.2	57.2	326,200	2.1
PSTSP32	Photosyntech	29.9	54.1	302,373	1.8
Nette	Pulse USA	27.9	56.1	298,084	0.6
PSTSP34	Photosyntech	27.9	43.7	291,477	1.3
Pro122-7160	ProGene	25.2	57.6	343,119	0.0
ESO	Photosyntech	21.4	61.0	274,495	1.6
Keystone	ProGene	18.1	48.7	295,940	1.8
Pro124-7146	ProGene	4.7	49.8	319,529	0.0
LSD (0.1)	-	14.7	NS	NS	1.1

Trial was planted 1/18/2019 and harvested on 5/24/2019

Trial was planted at 300,000 live seed/A accounting for provided germination on 7.5 inch row spacing.
 Trail was sprayed with a PRE herbicide on 1/19/2019 and desiccated on 5/20/2019. Trail was sprayed with a fungicide and insecticide on 4/23/2019. Fertility was adjusted for P and K based on soil test reports.

*Yield not statistically different from the highest yielder (60 lbs/bu)

**NS= non-significant

***Lodging: 0 represents no lodging and 5 represents complete lodging

2019 Central Crops Research Station (Clayton, NC) Pea Grain Variety Trial Results

Variety	Company	Yield (bu/A)	Test Weight (lbs/bu)	Stand (plants/A)	Lodging at Harvest***
PSTSP35	Photosyntech	36.1*	59.7	283,265	0.0
Jetset	Meridian	35.3*	53.2	285,666	0.0
PSTSP36	Photosyntech	33.4*	63.2	295,268	0.0
AAC Carver	Meridian	32.4*	57.4	324,074	0.0
Kareni	Photosyntech	30.4*	54.1	283,265	0.0
PSTSP33	Photosyntech	29.3*	57.8	295,268	0.0
PSTSP34	Photosyntech	29.3*	52.9	292,867	0.0
LG Amigo	Pulse USA	27.1*	59.4	220,851	0.0
PSTSP38	Photosyntech	28.9*	57.5	307,271	0.0
AC Agassiz	Meridian	26.6	56.1	268,862	0.0
CDC Inca	Meridian	26.5	59.9	304,870	0.0
Spider	Great Northern Ag	26.0	53.9	266,461	0.0
PSTSP32	Photosyntech	25.9	52.7	345,679	0.2
CDC Greenwater	Meridian	25.8	58.6	312,072	0.0
Nette	Pulse USA	25.5	60.3	300,069	0.0
Durwood	Pulse USA	25.5	55.5	249,657	0.0
PSTSP31	Photosyntech	25.2	55.4	307,271	0.2
PS0810001022	USDA-ARS	25.0	55.6	283,265	0.0
Korando	Pulse USA	24.9	51.8	314,472	0.0
LG Sunrise	Pulse USA	24.2	50.5	333,677	0.0
Hampton	USDA-ARS	23.7	51.0	273,663	0.0
PSTSP28	Photosyntech	23.7	53.9	321,674	0.8
PSTSP37	Photosyntech	22.3	53.3	285,666	0.0
Hyline	Great Northern Ag	21.6	55.1	290,467	1.8
AAC Profit	Great Northern Ag	21.6	57.2	247,257	0.0
Salamanca	Great Northern Ag	20.7	52.5	316,873	0.0
PS071000925	USDA-ARS	20.0	51.0	189,644	0.2
ESO	Photosyntech	19.3	59.3	259,260	0.0
Pro143-6230	ProGene	16.5	54.1	292,867	0.0
Keystone	ProGene	11.0	50.2	218,450	0.4
Pro124-7146	ProGene	10.5	52.0	228,052	0.0
Pro122-7160	ProGene	10.0	52.7	297,668	0.0
LSD (0.1)	-	7.7	NS	41,240	0.6

Trial was planted 1/10/2019 and harvested on 5/29/2019

Trial was planted at 300,000 live seed/A accounting for provided germination on 6.7 inch row spacing.
Trial was sprayed with a fungicide and insecticide on 5/3/2019. Fertility was adjusted for P and K based on soil test reports.

*Yield not statistically different from the highest yielder (60 lbs/bu)

**NS= non-significant

***Lodging: 0 represents no lodging and 5 represents complete lodging.