

2018 Carl Coleman (Dillon, SC) On-Farm Pea Variety Trial Results

Variety	Yield (bu/acre)	Test Weight (lbs/bu)	Stand (plants/acre)	Powdery Mildew# 5.15.2018	Powdery Mildew 5.23.2018	Lodging at Harvest##	% Maturity 5.23.18
Korando	75.1*	61.5	305,249	0.0	0.0	1.7	58.3
PSTSP33	73.0*	61.3	289,392	0.0	0.0	4.3	43.3
PS14100069	68.5*	63.2	229,928	0.0	0.0	2.0	53.3
DS Admiral	67.7*	62.1	277,499	0.0	0.7	4.7	56.6
Amigo	65.1*	62.7	305,249	0.0	0.0	1.0	63.3
Spider	64.6*	62.2	241,821	0.0	0.0	5.0	36.6
PSTSP28	63.9*	61.6	301,285	2.7	3.7	2.0	90.0
PSTSP31	62.6*	61.7	289,392	0.0	2.3	3.0	46.7
Sunrise	62.5*	63.2	257,678	0.0	0.0	1.7	26.7
PS07100925	61.9*	60.0	325,071	0.0	0.0	5.0	26.7
PS08101022	59.4	60.5	309,214	0.0	1.0	5.0	43.3
PRO 793	58.3	57.7	325,071	3.7	3.3	4.3	91.7
Nette	58.2	66.5	277,499	3.3	4.0	1.0	86.7
PS08101004	57.7	61.3	273,535	0.0	0.0	5.0	26.7
MP 1970	56.6	64.0	107,036	0.0	0.0	1.7	23.3
Poseidon	55.4	63.0	293,357	2.7	4.3	1.7	83.3
PS1514B0400	55.2	58.9	257,687	0.0	0.0	5.0	23.3
PSTSP32	54.7	60.6	313,178	2.0	2.7	2.7	88.3
Carousel	54.3	61.4	376,606	1.7	1.0	3.3	53.3
Universal	54.1	60.7	294,886	2.7	2.0	3.3	90.0
PSTSP30	53.9	57.1	269,571	3.0	3.0	1.7	90.0
Durwood	51.9	61.3	285,428	3.0	4.0	1.0	71.7
Delta	51.9	60.9	356,785	2.0	4.0	4.7	73.3
PSTSP34	51.8	62.0	297,321	3.3	3.7	2.0	90.0
PSTSP27	51.2	61.0	293,357	3.0	2.7	1.0	93.3
Hyline	50.5	62.5	285,428	0.0	0.0	3.7	40.0
Bridger	49.7	60.1	289,392	3.3	4.0	0.7	83.3
Salamanca	49.3	62.8	301,285	3.0	5.0	1.0	76.7
ESO CC	47.2	62.5	313,178	3.3	4.3	0.7	85.0
PSTSP29	41.8	56.1	289,392	3.3	5.0	1.3	73.3
Navarro	39.1	61.3	241,821	3.7	4.0	3.3	86.7
Gunner	39.1	60.8	249,750	3.0	4.7	1.7	83.3
PSTSP35	38.3	60.8	336,964	4.0	4.3	0.7	91.7
ESO	34.4	61.0	225,964	4.6	4.3	2.7	83.3
LSD (0.05)	14.8	NS	78,042	1.1	1.7	2.0	20.2

Trial was planted 1/22/2018 and harvested on 6/5/2018. Trial was planted at 300,000 live seed per acre assuming 90% germination. Trial was sprayed with 4 oz/acre Metribuzin on 1/23/2018. Trial was not sprayed with a fungicide. Trial was sprayed with an insecticide. Fertility was adjusted for P and K based on soil test reports.

*Yield not statistically different from the highest yield. 60 lbs/bushel

**NS=non-significant

Powdery Mildew: 0 represents no symptomology and 5 represents maximum symptomology

Lodging: 0 represents no lodging and 5 represents complete lodging

2018 Central Crops Research Station (Clayton, NC) Pea Variety Trial Results

Variety	Yield (bu/acre)	Test Weight (lbs/bu)	Stand (plants/acre)	% Maturity 5.16.18	% Maturity 5.23.18
Korando	35.2*	62.7	309,214	78.0	95.0
Salamanca	30.7*	65.3	391,707	33.7	94.0
Hyline	29.4*	65.4	320,350	21.3	81.4
Poseidon	29.2*	65.5	278,275	13.7	90.0
PSTSP28	28.7*	64.4	290,618	26.3	96.4
PSTSP27	28.4*	63.9	373,867	68.8	94.0
PSTSP33	28.2*	63.4	336,964	56.7	93.3
Sunrise	27.6*	64.1	340,928	43.3	93.3
PSTSP30	26.0	63.9	317,142	58.3	95.0
PSTSP31	25.4	63.6	367,921	13.8	81.4
PSTSP34	24.6	64.9	260,886	53.8	96.4
Durwood	24.2	64.5	344,892	60.0	95.0
ESO	24.0	65.2	428,142	70.0	86.7
PSTSP29	22.9	64.3	284,671	8.7	81.4
Bridger	22.8	64.0	243,046	38.8	86.4
PSTSP35	22.3	62.8	367,921	23.8	86.4
Spider	21.6	63.5	289,392	25.0	86.7
ESO CC	21.4	64.1	289,392	40.0	85.0
PS14100069	21.3	63.9	261,642	30.0	85.0
PS1514B0400	21.0	61.1	317,142	20.0	76.7
DS Admiral	20.4	62.9	245,785	53.3	93.3
Gunner	19.5	64.6	237,100	13.8	61.4
Nette	19.4	63.6	321,107	36.7	85.0
Universal	19.2	65.2	229,928	60.0	93.3
PS07100925	19.1	63.3	257,678	33.3	76.7
Delta	19.0	59.7	233,892	45.0	91.7
Amigo	17.8	62.8	146,678	11.7	76.7
Carousel	17.3	64.4	194,582	17.0	82.5
PS08101022	17.1	63.0	210,107	11.7	88.3
PS08101004	16.0	63.3	202,178	23.3	80.0
PSTSP32	15.4	63.6	344,135	23.8	71.4
PRO 793	11.8	63.0	67,393	15.0	75.0
MP 1970	11.3	62.8	112,225	6.3	56.4
LSD (0.05)	7.7	NS	106,694	26.0	17.0

Trial was planted 1/25/2018 and harvested 6/1/2018. Trial was planted at 300,000 live seed per acre assuming 90% germination. Trial was sprayed with 4 oz/acre Metribuzin on 1/26/2018. Trial was not sprayed with a fungicide or insecticide. Fertility was adjusted for P and K based on soil test reports.

*Yield not statistically different from the highest yielder. 60 lbs/bushel.

**NS=non-significant

Powdery Mildew symptomology not present at this location.

Peas were short at this location and there was no lodging.

###Ran out of seed to replicate Navarro in this environment and therefore this variety has been excluded from the analysis.

2018 Upper Coastal Plain Research Station (Rocky Mount, NC) Pea Variety Trial Results

Variety	Yield (bu/acre)	Test Weight (lbs/bu)	Stand (plants/acre)	% Lodging at Harvest
PSTSP33	30.8*	61.9	388,499	55.0
Sunrise	30.2*	62.1	388,499	0.0
Korando	29.4*	61.9	376,606	63.3
Amigo	29.3*	60.8	321,107	0.0
Hyline	28.9*	62.2	335,671	90.7
PS07100925	28.3*	61.4	273,535	70.0
ESO	27.9*	64.0	317,142	0.0
PSTSP34	27.8*	62.6	344,892	0.0
Durwood	27.7*	63.9	309,214	0.0
PS14100069	27.5*	62.8	309,214	0.0
Carousel	27.3*	63.8	340,928	0.0
Universal	27.3*	62.4	372,642	0.0
Delta	26.9*	60.7	368,678	33.3
Nette	26.5*	63.7	352,821	0.0
PSTSP29	26.5*	63.9	364,714	0.0
Posiedon	26.5*	63.7	356,785	26.7
PRO 793	25.8*	63.1	309,214	0.0
Spider	25.7*	64.8	313,178	26.7
DS Admiral	25.5*	63.1	352,821	33.3
PSTSP27	25.5*	62.0	395,135	0.0
PSTSP30	25.2*	62.6	404,356	0.0
Salamanca	24.5*	63.7	336,964	20.0
PSTSP28	24.3*	62.8	360,794	16.7
PSTSP31	23.5*	62.1	313,178	0.0
ESO CC	23.5*	63.8	309,214	43.3
Navarro	23.5*	61.2	285,428	23.3
PSTSP35	23.3*	63.3	388,499	0.0
PSTSP32	23.3*	64.5	348,857	0.0
PS1514B0400	23.3*	62.7	285,428	96.7
Gunner	20.7*	63.8	228,635	13.2
PS08101022	19.7	62.0	329,035	60.0
Bridger	18.2	62.4	317,142	20.0
PS08101004	17.2	62.2	412,285	60.0
MP 1970	14.3	63.9	95,143	0.0
LSD (0.05)	11.3	2.3	81,945	52

Trial was planted 2/23/2018 and harvested 6/8/2018. Trial was planted at 300,000 live seed per acre assuming 90% germination. Trial was not sprayed with a herbicide, insecticide, or fungicide. Very minimal weed pressure. Fertility was adjusted for P and K based on soil test reports.

*Yield not statistically different from the highest yielder. 60 lbs/bushel.

**NS=non-significant

Powdery Mildew symptomology not present at this location.

Lodging: 0% represents no lodging and 100% represents complete lodging