

2015 WSU Variety Testing Pea Trial Summary, Palouse

Variety Name	Type	2015							
		5 year Average (lbs/a)	3 year Average (lbs/a)	2 year Average (lbs/a)	Yield (lbs/a)	100 Seed Weight (grams)	Plant Height (in.)	Canopy Height (in.)	Erect Index (0.01-1.00)
PS08101022	Yellow		2690	2220	2170	19.4	19	19	1.00
PS08101004	Yellow		2630	2320	2140	20.3	22	21	0.98
PS10100295	Green				2130	17.6	26	21	0.82
PS05100840	Green	2560	2470	2210	2120	19.5	18	18	1.00
Universal	Yellow	2750	2710	2260	2000	16.9	25	25	1.00
PS08100950	Yellow				1970	19.3	18	18	1.00
PS10100370	Green				1970	19.4	26	26	1.00
Aragorn	Green	2440	2470	2090	1960	16.2	23	23	1.00
Banner	Green	2530	2350	2100	1950	16.1	24	23	0.97
PS07100925	Yellow		2520	2080	1950	20.6	19	19	1.00
Ginny (Pro 091-7137)	Green	2450	2400	2090	1900	16.2	22	22	1.00
PS08100133	Green		2460	2130	1890	16.9	21	21	1.00
Greenwood (Pro 7040)	Green		2320	2000	1890	15.9	23	23	1.00
PS07100470	Green	2490	2370	2080	1870	16.7	24	24	1.00
Carousel	Yellow	2630	2530	2140	1840	18.9	24	24	1.00
Ariel	Green	2390	2400	2070	1790	14.5	23	23	1.00
PS12100058	Green				1790	16.9	25	25	1.00
PS03101445	Green	2420	2330	2000	1750	16.2	23	23	1.00
PS12100095	Green				1710	15.4	25	25	1.00
PS10100158	Green				1690	14.2	24	24	1.00
Columbian	Green	1940	1820	1740	1660	17.3	31	12	0.39
PS08100582	Green		2350	1960	1650	16.3	22	22	1.00
PS12100011	Green			1930	1170	16.6	26	26	1.00
C.V. %		10	9	7	5	3.2	6	7	4.59
LSD (.10)		110	120	100	100	0.6	2	2	0.05
Average		2460	2430	2080	1860	17.3	23	22	0.97
Highest		2750	2710	2320	2170	20.6	31	26	1.02
Lowest		1940	1820	1740	1170	14.2	18	12	0.39

Hampton results not included due to incorrect seed source.

2015 WSU Palouse Spring Dry Pea

1. Seed yield in the 2015 Palouse spring dry pea variety trial averaged 1860 pounds/acre, 600 pounds/acre less than the 4-year average at this location. The Palouse nursery was located about eight miles south of Palouse, WA (Chris and Frank Fleener, cooperators).
2. This nursery was seeded on 23 April, 2015. Seed was delivered at an eight seeds/sq.ft. rate (about 150 lb/acre for average seed size) using a double-disc drill set on 7-inch spacing. Seeding was timely and the crop established well. Warm and dry conditions prevailed across the growing season limiting yield potential.
3. Yields ranged from 1170 to 2170 pounds/acre. There was low variability in the trial and a relatively narrow LSD shows four numbered line entries in the bolded top group. The yellow variety 'Universal' was the highest yielding named entry. Color type is listed after variety name.
4. Seed weights averaged 17.3 grams/100 seed and is lower than last year by 2.8 grams/100 seed. Plants also averaged four inches shorter, and the erect index was higher than last year.

