

2015 WSU Variety Testing Pea Trial Summary, Walla Walla

Variety Name	Type	2015							
		4 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)
PS10100158	Green				2440	19.6	21	17	0.81
PS07100470	Green	2280	2280	2300	2120	20.7	22	22	1.00
Universal	Yellow	2180	2180	2110	2080	19.9	24	24	1.00
Carousel	Yellow	2320	2240	2260	2070	23.2	25	25	1.00
PS08101022	Yellow			2170	2040	21.6	20	20	0.98
PS08101004	Yellow		2260	2240	2020	23.5	19	16	0.84
PS08100950	Yellow				2010	25.6	18	16	0.90
Greenwood (Pro 7040)	Green		2150	2130	2010	18.0	23	23	1.00
PS08100582	Green			2190	1990	21.4	21	21	1.00
PS07100925	Yellow		2070	1980	1990	24.2	19	19	1.00
PS12100058	Green				1980	21.7	24	24	1.00
PS05100840	Green	2100	2000	1900	1960	22.3	18	18	1.00
PS10100370	Green				1930	22.2	23	22	0.94
PS08100133	Green			2000	1900	21.4	21	21	1.00
PS12100095	Green				1890	19.5	24	24	1.00
PS03101445	Green	2210	2120	2090	1860	18.7	22	20	0.94
Ginny (Pro 091-7137)	Green	2100	2090	2050	1850	19.5	23	23	1.00
Banner	Green	2090	2000	1890	1810	17.1	24	22	0.94
Ariel	Green	2060	1970	1870	1690	16.4	23	23	1.00
PS12100011	Green				1680	24.3	25	25	1.00
Aragorn	Green	2010	1930	1860	1660	18.4	22	21	0.96
PS10100295	Green				1610	19.0	26	18	0.69
Columbian	Green	1320	1270	1050	1290	19.0	28	10	0.38
C.V. %		7	7	7	5	3.4	8	10	6.67
LSD (.10)		80	90	110	110	0.8	2	2	0.07
Average		2070	2040	2010	1920	20.8	22	21	0.93
Highest		2320	2280	2300	2440	25.6	28	25	1.00
Lowest		1320	1270	1050	1290	16.4	18	10	0.38

* 2013 data not included

Hampton results not included due to incorrect seed source.

2015 WSU Walla Walla Spring Dry Pea

1. Seed yield in the 2015 Walla Walla spring dry pea variety trial averaged 1920 pounds/acre, 150 pounds/acre less than the 4-year average at this location. The Walla Walla nursery was located about two miles east of Walla Walla, WA (Dwelley Jones, cooperater).
2. This nursery was seeded on 27 March, 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. A late season irrigation was applied close to physiological maturity and had a minor impact on crop performance.
3. Yields ranged from 1290 to 2440 pounds/acre. There was low variability in the trial and a relatively narrow LSD shows only a numbered line entry 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 20.8 grams/100 seed and is lower than last year by 1.8 grams/100 seed. Plants were also shorter, but the erect index was similar to last year.