

## 2015 WSU SPRING PEA TRIAL SUMMARY, 2-YEAR, 3-YEAR and 5-YEAR SUMMARY

VARIETY NAME	COLTON	PALOUSE	WALLA WALLA	2015 AVERAGE	YIELD (LBS/A)			100 SEED WEIGHT (g)						
					2014-2015 AVERAGE, 6 locyrs	2013-2015 AVERAGE, 9 locyrs	2011-2015 AVERAGE, 17 locyrs	COLTON	PALOUSE	WALLA WALLA	2015 AVERAGE	2014-2015 AVERAGE, 6 locyrs	2013-2015 AVERAGE, 9 locyrs	2011-2015 AVERAGE, 17 locyrs
<b>Green pea</b>	<b>YIELD (LBS/A)</b>							<b>100 SEED WEIGHT (g)</b>						
<b>Ginny</b>	1980	1900	1850	1910	2000	2140	2280	15.7	16.2	19.5	17.1	18.6	18.8	19.5
<b>PS07100470</b>	1740	1870	2120	1910	<b>2040</b>	2230	2360	14.6	16.7	20.7	17.3	19.2	19.1	20.3
<b>PS05100840</b>	1630	2120	1960	1900	1890	2110	2280	17.4	19.5	22.3	19.7	20.6	20.4	18.5
<b>Banner</b>	1940	1950	1810	1900	1870	2160	2330	16.9	16.1	17.1	16.7	18.1	18.5	19.1
<b>PS10100158</b>	1490	1690	2440	1870				13.0	14.2	19.6	15.6			
<b>Greenwood</b>	1720	1890	2010	1870	1900	2100		14.4	15.9	18.0	16.1	17.7	18.2	
<b>PS10100370</b>	1690	1970	1930	1860				17.4	19.4	22.2	19.7			
<b>PS10100295</b>	1810	2130	1610	1850				17.0	17.6	19.0	17.9			
<b>PS08100133</b>	1610	1890	1900	1800	1910	2120		16.8	16.9	21.4	18.4	20.0	20.3	
<b>Aragorn</b>	1700	1960	1660	1770	1820	2040	2160	16.6	16.2	18.4	17.1	18.2	18.8	19.6
<b>PS12100058</b>	1550	1790	1980	1770				14.0	16.9	21.7	17.6			
<b>PS08100582</b>	1620	1650	1990	1750	1950	2110		15.7	16.3	21.4	17.8	19.7	20.0	
<b>PS03101445</b>	1630	1750	1860	1750	1920	2080	2300	15.5	16.2	18.7	16.8	19.0	19.2	20.0
<b>Ariel</b>	1660	1790	1690	1710	1850	2050	2200	14.3	14.5	16.4	15.1	16.4	17.1	17.5
<b>PS12100095</b>	1490	1710	1890	1700				14.3	15.4	19.5	16.4			
<b>Columbian</b>	1450	1660	1290	1470	1340	1430	1610	17.0	17.3	19.0	17.8	18.9	19.1	
<b>PS12100011</b>	990	1170	1680	1280				15.9	16.6	24.3	18.9			
<b>Yellow pea</b>														
<b>PS08101022</b>	1990	2170	2040	<b>2070</b>	<b>2050</b>	2250		18.7	19.4	21.6	19.9	21.7	22.5	
<b>Universal</b>	1840	2000	2080	1970	2030	<b>2350</b>	<b>2420</b>	16.2	16.9	19.9	17.7	19.3		20.8
<b>PS08101004</b>	1690	2140	2020	1950	<b>2040</b>	2270		19.4	20.3	23.5	<b>21.1</b>	22.0	22.2	
<b>Carousel</b>	1750	1840	2070	1890	<b>2110</b>	<b>2290</b>	<b>2390</b>	17.0	18.9	23.2	19.7	21.7	22.2	<b>22.6</b>
<b>PS07100925</b>	1580	1950	1990	1840	1820	2070		18.2	20.6	24.2	<b>21.0</b>	<b>22.7</b>	<b>23.4</b>	
<b>PS08100950</b>	1510	1970	2010	1830				17.5	19.3	25.6	<b>20.8</b>			
<b>C.V. (%)</b>	9	5	5	6	9	9	9	4.2	3.2	3.4	3.6	3.5	3.5	3.8
<b>LSD (0.10)</b>	160	100	110	70	70	70	50	0.7	0.6	0.8	0.4	0.3	0.2	0.2
<b>Average</b>	1650	1870	1910	1850	1910	2110	2230	16.2	17.3	20.7	18.1	19.6	20.0	19.8
<b>Highest</b>	1990	2170	2440	2070	2110	2350	2420	19.4	20.6	25.6	21.1	22.7	23.4	22.6
<b>Lowest</b>	990	1170	1290	1280	1340	1430	1610	13.0	14.2	16.4	15.1	16.4	17.1	17.5

Hampton results are not included due to incorrect seed source.

### 2015 WSU Spring Pea Variety Trial Summary and 2, 3, and 5 Year Summary

1. Pea seed yield across three 2015 locations and 23 entries in Eastern Washington averaged 1850 pounds/acre and was 130 pounds/acre less than the 2014 average yield. The fourth planted location at Farmington was not reported due to disease and weed pressure. The CV and LSD values are low due to good results. The highest yielding entry across trials was the yellow seeded breeding line PS08101022.
2. Yields across combined years were higher showing lower 2015 yields due to high temperatures and limited rainfall during the growing season.
3. Seed weight in 2015 averaged 18.1 g/100 seed, 1.7 g/100 seed lower than the 5-year average.