

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

VARIETY NAME	COLTON	FARMINGTON	PALOUSE	WALLA WALLA	2015 AVERAGE	2014-2015 AVERAGE, 6 locyrs	2013-2015 AVERAGE, 10 locyrs	2011-2015 AVERAGE, 18 locyrs	COLTON	FARMINGTON	PALOUSE	WALLA WALLA	2015 AVERAGE	2014-2015 AVERAGE, 6 locyrs	2013-2015 AVERAGE, 10 locyrs	2011-2015 AVERAGE, 18 locyrs
	YIELD (LBS/A)								100 SEED WEIGHT (g)							
CDC Frontier	1160	1560	2090	3030	1960	2070	1970	2240	34.5	35.6	37.6	35.5	35.8	35.6	35.7	36.5
Billy beans	1510	1720	1780	2590	1900	1990	1960		28.8	29.1	31.9	31.1	30.2	30.2	30.3	
CA0790B0547C	1210	1300	2060	2480	1760				45.9	49.6	53.7	50.1	49.8			
CDC Leader	1400	1450	1760	2080	1670				35.3	39.4	41.7	40.0	39.1			
CA0490B0223D	1390	1660	2030	1560	1660	1820	1860		25.9	26.1	28.4	29.2	27.4	27.6	27.7	
CA0790B0054C	960	1400	1750	2300	1600	1750	1720		50.3	50.4	55.2	54.1	52.5	52.1	51.5	
Myles	1220	1340	1600	2110	1570	1690	1690		16.9	16.9	18.5	19.0	17.8	18.0	18.3	
CA0790B0043C	1170	1070	1690	2310	1560	1780	1740		46.9	48.6	52.6	52.3	50.1	50.5	49.9	
CA0790B0733C	1090	980	1870	2300	1560				45.2	47.8	49.2	46.7	47.2			
CA0890B0429C	1060	1130	1840	1990	1500				49.5	52.2	56.5	54.6	53.2			
CDC Orion	1330	1580	1780	1280	1490	1730	1820	2110	39.9	43.6	44.8	45.7	43.5	43.8	43.2	43.8
Sawyer	1150	1280	1630	1820	1470	1640	1680	1950	40.4	42.7	46.2	43.5	43.2	43.2	42.8	42.8
CA0890B0531C	1310	1180	1660	1620	1440				48.0	49.1	52.7	50.1	50.0			
CA0790B0642C	1110	1110	1810	1710	1430				48.2	52.1	55.8	52.7	52.2			
CA0890B0526D	870	1550	1610	1420	1360	1300	1360		29.0	29.9	31.7	27.4	29.5	29.3	29.0	
Nash	1160	1110	1570	1550	1350	1540	1580	1910	55.7	55.5	60.8	57.3	57.3	57.4	56.9	58.0
Royal	870	600	1750	1900	1280	1360			50.0	54.0	57.7	48.3	52.5	52.5		
Sierra	800	530	1690	1890	1230	1290	1370	1700	43.3	49.9	52.1	47.3	48.1	48.2	47.4	49.1
CA0890B0551C	550	840	1650	1540	1150				43.3	49.7	54.9	49.8	49.5			
Dwelley	470	560	1490	1430	980	1040	1110	1420	44.1	45.9	51.8	46.1	47.0	47.4	47.0	48.5
C.V. (%)	10	17	8	6	10	10	10	11	4.8	3.6	2.1	2.8	3.4	3.1	3.4	4.1
LSD (0.10)	120	210	150	130	80	70	50	50	2.1	1.7	1.1	1.3	0.8	0.6	0.5	0.4
Average	1090	1200	1760	1950	1500	1620	1660	1890	41.1	43.4	46.7	44.0	43.8	41.2	40.0	46.5
Highest	1510	1720	2090	3030	1960	2070	1970	2240	55.7	55.5	60.8	57.3	57.3	57.4	56.9	58.0
Lowest	470	530	1490	1280	980	1040	1110	1420	16.9	16.9	18.5	19.0	17.8	18.0	18.3	36.5

2015 WSU Spring Chickpea Variety Trial Summary and 2, 3, and 5 year Summary

- Chickpea seed yield in 2015 across four locations and 20 entries per location in Eastern Washington averaged 1500 pounds/acre and was 380 pounds/acre less than the 2014 average yield. The CV and LSD values are very good to acceptable with deer damage to later maturity entries contributing to variation at Farmington. The highest yielding variety across trials was 'CDC Frontier'.
- Yields across combined years increase with years due to lower yields in 2015 from high temperatures and limited rainfall during the growing season.
- Seed weight in 2015 averaged 43.8 grams/100 seed and was 1.5 grams/100 seed higher than in 2014.