

2012 WSU Variety Testing Pea Trial Summary, Walla Walla

Variety Name	Type	2 Year Average (Lbs/A)	2012				
			Yield (Lbs/A)	100 Seed Weight (Grams)	Plant Height (In)	Canopy Height (In)	Erect Index
PS08101108	Yellow		2460	23.0	25	21	0.83
PS07100471	Green	2470	2420	16.2	31	22	0.72
Universal	Yellow	2250	2340	19.0	31	30	0.95
Pro 793	Yellow		2330	22.6	30	21	0.68
PS08101004	Yellow		2290	18.9	30	19	0.62
Pro 822	Yellow	2280	2250	22.3	32	20	0.65
PS07100925	Yellow		2230	20.4	28	25	0.89
PS07100470	Green	2260	2230	18.6	29	25	0.88
Banner	Green	2290	2220	18.6	34	24	0.66
Carousel	Yellow	2380	2210	19.4	31	28	0.93
Pro 7040	Green		2190	17.2	28	26	0.88
PS05100840	Green	2290	2180	16.5	31	25	0.84
PS03101445	Green	2340	2180	18.1	29	23	0.79
Ariel	Green	2250	2170	15.1	30	23	0.80
Pro 091-7137	Green	2150	2160	18.0	29	27	0.92
PS03101822	Yellow	2260	2160	20.6	26	22	0.85
Aragorn	Green	2160	2080	18.4	28	23	0.80
PS05100735	Green		2000	17.4	26	18	0.74
PS05100736	Green	2080	1980	17.6	28	16	0.62
Pro 081-7116	Green	1830	1880	19.5	31	24	0.78
Pacifica	Green	1940	1780	15.8	28	17	0.65
Columbian	Green	1580	1720	16.2	43	14	0.32
NDP080111	Green	1990	1650	13.9	37	24	0.68
PS07ND0190	Green		1460	15.0	34	27	0.80
C.V. %		8	7	6.7	12	14	17.80
LSD (.10)		120	150	1.3	4	3	0.15
Average		2160	2110	18.3	30	23	0.76
Highest		2470	2460	23.0	43	30	0.95
Lowest		1580	1460	13.9	25	14	0.32

2012 WSU Walla Walla Spring Dry Pea - Preliminary Data

1. Seed yield in 2012 the Walla Walla spring dry pea variety trial averaged 2110 pounds/acre, about equal to the 2011 average yield. The Walla Walla nursery was located about one mile southeast of Walla Walla, WA (Dwelley Jones, cooperator).
2. This nursery was seeded on 23 April, 2012. Seed was placed at an 8 seed/sq.ft. rate (approximately 150 lb/acre for average seed weight) using a double-disk plot drill set on 6-inch spacing. Seeding was later than normal and might have had some limitation on yield. In mid-June a hail event caused damage to foliage, late flowers, and developing pods with seed. There was indication of root disease pressure at this site including *Aphanomyces* and *Fusarium* wilt.
3. Yields ranged from 1460 pounds/acre to 2460 pounds/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 30 entries are in this group. 'Universal' was the highest yielding yellow variety and 'Banner' was the highest yielding named green variety in this trial.
4. Seed weights averaged 18.3 grams/100 seed and ranged from 13.9 to 23.0 grams/100 seed. The average plant height was 30 inches and the plant erect index (0-1.0) averaged 0.76.