

2018-2019 Washington State Legume Variety Testing Program



Dr. Stephen Van Vleet, Regional Extension Specialist - ANR
Sarah Hallyburton, Masters Student
Lindsay Myron, Scientific Assistant

2019 WSU Legume Variety Testing Winter Pea Trial, Walla Walla

Variety	Color	Yield (lbs/a)	Canopy Ht (in)	Vine Lgth (in)	Pod Ct (#)	Powdery Mildew (Y/N)
Keystone	Green	5648.6	21.7	72.8	24	Y
Pro 154-7207	Yellow	5909.7	17.7	35.8	20	Y
Vail	Green	5653.6	16.1	38.2	24	Y
PS1430NZ011W	Green	4252	15.4	34.3	17	Y
Goldenwood	Yellow	7224.2	15.4	37.4	27	Y
Pro 152-7121	Green	6354.2	16.5	34.6	23	Y
PS1430NZ003W	Green	4532.7	13.4	26.4	36	Y
PS1130289W	Yellow	4996.8	11.8	31.1	15	Y
PS1430NZ002W	Green	4423.4	11.8	29.1	21	Y
Koyote	Yellow	5093.6	16.5	35.4	18	Y
Pro 152-7206	Green	6323.9	19.3	44.1	19	Y
PS12300058W	Yellow	5163.2	17.7	41.3	23	Y
PS1430NZ010W	Yellow	7285.9	14.6	41.3	20	N
Specter	Yellow	3952.6	18.1	46.9	20	Y
PS12300049W	Green	5140.9	13.8	34.6	21	Y
Pro 142-7206	Green	5759.2	17.3	37.4	30	Y
PS11300240W	Green	5728.7	16.9	46.1	28	Y
Pro 144-7211	Yellow	5556.5	15.7	38.2	21	Y
Windham	Yellow	5476	13.4	28.7	23	Y

Agronomic Information

Planting Date: 9/26/2018
 Harvest Date: 7/23/2019
 Seeding Rate (seeds/ft²): 10
 Previous Crop: Winter Wheat

Trial Notes:

1. Vine length measured on 06-12-19
2. Canopy height measured on 06-03-19

Cooperator Robert McKinney

2019 WSU Legume Variety Testing Spring Pea Trial, Walla Walla

Variety	Color	Yield (lbs/a)	Canopy Height (in)	Vine Length (in)	Pod Count (#)	Powdery Mildew (Y/N)
Hampton	Green	2360.77	15.6	15.6	8	N
PS-065	Green	3671.03	26.9	26.9	9	N
PS-006	Green	2938.65	15.9	15.9	8	N
PS-1022	Yellow	3006.77	16.5	16.5	7	N
Columbian	Green	2373.22	13.6	13.6	9	Y
PS-079	Yellow	2715.06	17.8	17.8	6	N
PS-073	Green	3261.85	28.7	28.7	10	N
PS-003	Yellow	3146.25	25.5	25.5	9	N
PS-068	Yellow	3362.71	22	22	8	N
PS-158	Green	3183.93	24.1	24.1	11	N
Universal	Yellow	2576.01	24.7	24.7	10	N
PS-925	Yellow	2515.28	14.8	14.8	8	N
PS-085	Yellow	2511.1	19	19	7	N
Fairway (Pro 131-7123)	Green	3013.58	27.8	27.8	11	Y
Aragorn	Green	3104.63	22.1	22.1	12	N
PRO 141-6258	Green	3333.02	20.9	20.9	7	N
Ginny	Green	3207.33	25.1	25.1	9	Y
PRO 121-7126 (Ginny 2)	Green	3412.71	26.3	26.3	12	Y
Ariel	Green	3198.92	25.9	25.9	12	Y
Greenwood	Green	3376.98	21.9	21.9	11	Y
Carousel	Yellow	3008.38	30.4	30.4	10	N
Pro 093-7410	Yellow	3238.57	27.7	27.7	10	N
Ewald	Yellow	3106.32	20.9	20.9	6	N
Banner	Green	3329.21	23.2	23.2	9	N
AC Agassiz	Yellow	3553.45	30.8	30.8	6	N
CDC Spectrum	Yellow	3240.68	37.7	37.7	10	Y
CDC Greenwater	Green	2522.1	36.1	36.1	11	N
Jetset	Yellow	3545.5	30.1	30.1	7	Y
AAC Comfort	Green	3797.57	31.9	31.9	10	Y
AAC Carver	Yellow	2206.12	34.8	34.8	7	N
CDC Inca	Yellow	3108.46	37.3	37.3	9	Y
AC Earlystar	Yellow	2279.24	29.1	29.1	7	Y
CDC Amarillo	Yellow	3362.2	37.3	37.3	11	Y
CDC Saffron	Yellow	2672.93	29.6	29.6	6	Y

Agronomic Information

Planting Date:	4/24/2019
Harvest Date:	7/26/2019
Seeding Rate (seeds/ft ²):	8
Previous Crop:	Spring Wheat

Trial Notes:

Pod count and canopy height measured 7-10-19

Cooperator Dave Jones

2019 WSU Legume Variety Testing Spring Pea Trial, Endicott

Variety	Color	Yield (lbs/a)	Canopy Ht (in)	Vine lgth (in)	Pod Ct (#)	Powdery Mildew (Y/N)
Hampton	Green	3590.25	32.8	35.7	11	Y
PS-065	Green	4028.8	39.1	46.3	11	Y
PS-006	Green	3779.8	31.2	35.7	11	none-slight
PS-1022	Yellow	3557.55	35.1	37.1	11	Y
Columbian	Green	2906.08	14.1	52.6	10	Y
PS-079	Yellow	3960.03	32.1	35.5	11	Y
PS-073	Green	3380.4	36	37.7	11	Y
PS-003	Yellow	4126.13	33.4	40.4	14	Y
PS-068	Yellow	3563.13	33.7	36	9	Y
PS-158	Green	3469.54	37.4	42.1	10	Y
Universal	Yellow	3281.09	36.3	38.4	10	Y
PS-925	Yellow	3544.28	33.5	36.2	11	Y
PS-085	Yellow	3830.86	33.6	36.1	9	Y
Fairway (PRO 131-7123)	Green	3538.92	34	39.1	12	Y
Aragorn	Green	3625.2	39.3	43	12	Y
PRO 141-6258	Green	3566.98	33.2	35.5	10	Y
Ginny	Green	3756.63	37.6	40.9	13	Y
PRO 121-7126 (Ginny 2)	Green	3929.24	35	37.3	13	Y
Ariel	Green	3300.77	40.1	43.8	12	Y
Greenwood	Green	3830.4	31.5	37.9	11	Y
Carousel	Yellow	3406	37.5	38.7	8	Y
Pro 093-7410	Yellow	3967.95	38.5	73.9	12	Y
Ewald	Yellow	3776.2	33.8	37.3	11	Y
Banner	Green	3438.73	33.6	41.4	11	Y
AC Agassiz	Yellow	3931.53	40.9	44.8	12	Y
CDC Spectrum	Yellow	3797.97	40.1	41.1	10	Y
CDC Greenwater	Green	3527.47	39.3	41.3	8	Y
Jetset	Yellow	4252.46	38.1	41.5	12	Y
AAC Comfort	Green	3489.89	36.1	37.8	9	Y
AAC Carver	Yellow	4198.69	40.5	42.7	9	Y
CDC Inca	Yellow	4078.83	41.9	42.6	10	Y
AC Earlystar	Yellow	3873.82	39.4	42.5	12	Y
CDC Amarillo	Yellow	3474.72	33.7	35.2	8	Y
CDC Saffron	Yellow	4097.63	38.1	39.6	11	Y

Agronomic Information

Planting Date:	5/6/2019
Harvest Date:	8/16/2019
Seeding Rate (seeds/ft ²):	8
Previous Crop:	Spring Wheat

Trial Notes:

Canopy height and vine length measured 7-31-19
Pod count measured 7-18-19

Cooperator Rick Repp

2019 WSU Legume Variety Testing Chickpea Trial, Walla Walla

Variety	Color	Yield (lbs/a)	Percent (%) Above 22/64 Screen
CDC Palmer	Standard	2536.37	45
CDC Orion	Standard	2208.55	53.5
CDC Leader	Standard	2798.17	50
CDC Frontier	Standard	2824.82	23.75
CA-0790B0547C	Standard	2124.63	70
CA-0890B0429C	Standard	2415.13	59.25
CA-023C	Standard	2074.46	85.75
CA-046C	White	2428.97	37.5
CA-0119C	White	2383.16	84
CA-0139C	White	2510.31	73.75
CA-0162C	Standard	2338.07	91.25

Agronomic Information

Planting Date: 4/24/2019
 Harvest Date: 8/15/2019
 Seeding Rate (seeds/ft²): 6
 Previous Crop: Spring wheat

Cooperator: Dave Jones

2019 WSU Legume Variety Testing Chickpea Trial, Endicott

Variety	Color	Yield (lbs/a)	Percent (%) Above 22/64 Screen
CDC Palmer	Standard	938.4	80
CDC Orion	Standard	774.7	79
CDC Leader	Standard	846.5	73
CDC Frontier	Standard	2160	50
CA-0790B0547C	Standard	1064.1	83
CA-0890B0429C	Standard	1346.7	84
CA-023C	Standard	1688.7	88
CA-046C	White	1955	59
CA-0119C	White	909.8	87
CA-0139C	White	1218.5	81
CA-0162C	Standard	1243.3	88

Agronomic Information

Planting Date: 5/6/2019
 Harvest Date: 8/31/2019
 Seeding Rate (seeds/ft²): 6
 Previous Crop: Spring Wheat

Cooperator Rick Repp

Yields influenced by late season deer and elk damage