

## **2019-2020 Washington State Legume Variety Testing Program**



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**Table I: Winter Pea Variety Trials – Albion and Walla Walla, Washington**

Variety/Entry	Market Type	Albion		Walla Walla	
		Seed Protein	Yield	Seed Protein	Yield
		%	bu/ac	%	bu/ac
Koyote	Ingredient	17.05	80.1 abc	17.17	93.9 ab
Vail	Whole and split	17.24	79.8 abc	17.39	84.9 ab
Goldenwood	Split & ingredient	17.3	82.9 abc	16.8	117.8 a
Keystone	Whole green	17.15	88.1 ab	16.61	95.5 ab
174-7148	Whole, split & ingredient	17.3	102.5 a	16.9	113.4 a
152-7206	Whole green	16.83	87.1 ab	17.05	106.0 ab
152-7121	Whole green	17.02	70.5 bcd	17.24	108.5 ab
182-7137	Whole and split	16.87	93.5 ab	16.76	96.0 ab
Banner	Whole green	0	53.5 d	0	30.2 b
164-7117	Whole, split & ingredient	17.57	93.4 ab	17.54	91.2 ab
144-7211	Whole & ingredient	16.75	73.5 bcd	16.75	104.9 ab
PS-NZ-003W	Whole and split	16.99	76.2 bcd	16.63	81.2 ab
PS-240W	Whole and split	17.45	78.5 abcd	17.24	85.9 ab
Specter	Feed	17.06	86.5 abc	16.74	81.0 ab
Lakota	Forage	17.19	67.5 bcd	16.95	69.1 ab
PS-NZ-011W	Whole & split	18.01	79.9 abc	17.67	96.1 ab
PS-1130-289W	Whole, split & ingredient	17.38	67.5 bcd	17.47	99.1 ab
PS-NZ-010W	Whole, split & ingredient	16.74	87.8 ab	16.95	93.2 ab
PS-1734-612W	Whole and split	17.19	72.2 bcd	17.49	94.4 ab
Windham	Feed	17.23	82.9 abc	17.59	84.8 ab
PS-1634C-002W	Whole and split	17.35	60.4 cd	17.2	90.6 ab
	Yield Mean bu/ac (lbs/ac)	79.23 (4754)		92.8 (5568)	
	CV bu/ac (lbs/ac)	0.18 (11)		0.28 (17)	

**Table II: Spring Pea Variety Trials – Johnson City (JC) and Walla Walla (WW), Washington**

Variety/Entry	Market Type	Johnson City		Walla Walla	
		Seed Protein	Yield	Seed Protein	Yield
		%	bu/ac	%	bu/ac
Hampton	Whole & split	17.41	63.7 ab	17.5	79.9 b
PS1410B0065	Whole & split	17.18	68.5 ab	17.17	74.9 b
PS1410B1006	Whole & split	17.09	79.8 a	17.28	87.2 ab
PS08101022	Whole, split & ingredient	16.71	62.7 ab	17.24	95.3 ab
PS16100060	Whole & split	16.56	61.5 ab	17.16	82.2 ab
PS17100022	Whole, ingredient & split	16.98	66.7 ab	16.77	82.3 ab
PS1410B0073	Whole & split	17.54	65.9 ab	17.19	92.7 ab
PS07100289	Whole, ingredient & split	16.89	63.1 ab	17.51	94.4 ab
PS07100008	Whole, ingredient & split	16.14	70.5 ab	16.91	88.4 ab
PS16100102	Whole, ingredient & split	16.77	58.9 ab	16.94	88.9 ab
PS07100925	Whole, ingredient & split	16.17	59.4 ab	16.63	87.0 ab
PRO 171-7665	Whole & split	17.29	64.2 ab	17.28	100.6 ab
Aragorn	Whole & split	16.76	68.4 ab	16.76	86.3 ab
PRO 141-6258	Whole & split	16.82	66.8 ab	16.66	100.3 ab
Ginny	Whole & split	17.16	67.9 ab	16.79	75.8 b
PRO 171-6533	Whole & split	17.17	68.0 ab	17.2	75.2 b
PRO 171-6513	Whole & split	16.81	71.9 ab	16.88	95.9 ab
PRO 133-6243	ingredient	16.31	84.7 a	16.72	96.7 ab
PRO 153-7409	Whole, ingredient & split	16.58	70.7 ab	16.85	99.1 ab
Pro 6230	Whole, ingredient & split	17.27	60.4 ab	17.04	85.8 ab
Pro 6220	Whole, ingredient & split	16.94	54.3 ab	16.97	87.1 ab
Ginny 2	Whole & split	17.07	67.3 ab	16.88	88.2 ab
Greenwood	Whole	16.86	79.4 a	16.64	88.2 ab
PRO 093-7410	Whole, ingredient & split	16.61	75.8 ab	16.79	95.1 ab
AC Agassiz	Whole, ingredient & split	16.81	70.0 ab	17.09	101.4 ab
MS-19YP3	Whole, ingredient & split	16.51	63.9 ab	17.07	95.7 ab
CDC Greenwater	Whole & split	16.31	53.8 ab	16.78	92.0 ab
Jetset	Whole, ingredient & split	16.59	70.6 ab	16.87	93.6 a
Daytona	Whole & split	16.38	65.2 ab	16.65	93.5 ab
AAC Carver	Whole, ingredient & split	16.28	71.7 ab	16.58	93.6 ab
CDC Inca	Whole, ingredient & split	16.57	47.8 b	16.39	92.9 ab
AAC Comfort	Whole & split	16.68	66.2 ab	16.89	102.8 ab
ND Dawn	Whole, ingredient & split	16.32	71.1 ab	16.7	91.2 ab
CV bu/ac (lbs/ac)		0.23 (14)		0.18 (11)	

**Table III: Spring Chickpea and Lentil Variety Trials – Johnson City (JC) and Walla Walla (WW), Washington**

Variety/Entry	Market Type	Seed Color	JC Protein	WW Protein	JC Screen - larger	WW Screen - larger	JC Yield 2020	WW Yield 2020	
<b>Chickpeas</b>			%	%	<b>22/64</b>	<b>22/64</b>	<b>bu/ac</b>	<b>bu/ac</b>	
CA13900129C	kabuli	White	20.73	20.93	75%	73.75%	27.65	48.26	
CA0890B0429C	kabuli	Tan	20.31	21.96	10%	64%	27.18	58.51	
CA13900049C	kabuli	Tan	19.06	21.78	36.25%	72.5%	27.19	56.52	
CDC Frontier	kabuli	Tan	20.86	20.58	41.25%	37.5%	29.03	55.74	
CA13900139C	kabuli	Tan	19.56	19.17	28.75%	13.75%	27.67	48.08	
CDC Leader	kabuli	Tan	21.76	21.97	26.25%	85%	23.40	15.69	
CA13900162C	kabuli	Tan	19.66	20.01	75%	86.25%	22.36	23.37	
CA13900023C	kabuli	Tan	20.57	21.38	76.25%	90%	22.72	27.10	
CDC Orion	kabuli	Tan	20.36	18.94	60.5%	52.75%	23.95	53.35	
CA13900119C	kabuli	White	19.51	19.16	56.5%	83.75%	25.34	22.38	
CA13900151C	kabuli	Tan	21.75	19.59	76.25%	78.75%	24.96	20.91	
ND Crown	kabuli	Tan	21.94	19.75	55%	85%	25.94	17.96	
CDC Palmer	kabuli	Tan	20.02	20.45	77.5%	83.75%	23.94	35.54	
							CV bu/ac (lbs/ac)	0.28 (16.9)	0.27 (16)
Variety/Entry	Market Type	Seed Color	Johnson 2020			Walla Walla 2020			
<b>Lentils</b>			<b>bu/ac</b>			<b>bu/ac</b>			
Eston	Small Green	green	11.08 cde			22.90 d			
Brewer	Brewer		11.01 cde			23.83 d			
Pardina	Spanish Brown	brown	14.50 bcd			28.10 bcd			
Avondale	Richlea	green	12.60 bcde			35.76 abc			
LC01602273E (Sage)	Small Green	green	13.78 bcde			36.88 ab			
LC08600005E	Small Green	green	16.27 abcd			35.68 abc			
LC11600298L	Laird	green	10.29 de			36.48 abc			
LC09600410L	Laird	green	11.37 cde			39.83 a			
LC14600100L	Laird	green	7.71 e			31.51 abcd			
LC14600016P	Spanish Brown	brown	17.16 abc			28.71 abcd			
LC14600017P	Spanish Brown	brown	21.59 a			28.78 abcd			
LC14600027P	Spanish Brown	brown	18.10 ab			25.03 cd			
LC08600113P	Spanish Brown	brown	12.26 bcde			26.15 bcd			
LC14600088R	Richlea	green	9.57 de			35.44 abc			
			CV bu/ac (lbs/ac)	0.27 (16)			0.2 (12)		