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**Spring Legumes**  
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Table 24. Green dry pea variety performance results at Moscow, 2005.

Variety or Selection	Seed Yield	Seed Weight	Vine Length	Canopy Height	Erect Index*
	lb/acre	g/100	inches	inches	0.0-1.0
Aragorn	2120	20.6	24	24	1.0
Ariel	2050	17.6	24	24	1.0
Bluebird	2280	20.9	21	21	1.0
Camry	2110	20.4	19	19	1.0
Columbian	1920	19.5	30	16	0.5
Cooper	1920	21.6	25	25	1.0
Cruiser	1970	19.1	25	25	1.0
Joel	2100	19.9	35	16	0.5
Karita	2200	24.4	25	25	1.0
K 2	2080	20.0	25	25	1.0
Monarch	2360	20.2	21	21	1.0
Pacifica	2120	20.6	26	25	1.0
Stirling	2260	19.5	19	19	1.0
Stratus	2160	21.5	20	20	1.0
Stratus <sup>+</sup>	1990	20.7	19	19	1.0
Toledo	1990	23.2	24	24	1.0
Ceb 1090	1930	22.6	25	25	1.0
Ceb 1093	1920	21.1	23	23	1.0
PS 810162	2140	22.1	21	21	1.0
PS 0010804	2170	22.1	23	23	1.0
PS 0110460	2080	21.6	18	18	1.0
PS 0110767	2210	21.1	24	24	1.0
Pro 031-7053	2240	18.3	30	30	1.0
Average	2100	20.9	24	22	1.0
LSD (0.10)	105	0.8	1	1	--
CV (%)	4	3.2	5	6	--

\* means canopy height/vine length; 1.0=upright

+ pea inoculum added at planting

Table 25. Yellow dry pea variety performance results at Moscow, 2005.

Variety or Selection	Seed Yield	Seed Weight	Vine Length	Canopy Height	Erect Index*
	lb/acre	g/100	inches	inches	0.0-1.0
Badminton	2040	19.6	20	20	1.0
Carousel	2070	21.8	25	25	1.0
Delta	2210	20.5	23	23	1.0
Fallon	2100	19.2	26	15	0.6
Rex	2440	22.3	25	22	0.9
Shawnee	1990	19.6	34	14	0.4
Swing	2260	20.9	26	26	1.0
Topeka	2410	21.3	23	22	1.0
Universal	2320	20.7	26	26	1.0
Ceb 4132	2310	22.2	22	22	1.0
PS 0010836	2200	22.9	20	20	1.0
PS 01102958	1940	21.0	21	20	1.0
FDP007	2020	20.7	26	26	1.0
Average	2180	21.0	24	22	0.9
LSD (0.10)	105	0.8	1	1	--
CV (%)	4	3.2	5	5	--

\* means canopy height/vine length; 1.0=upright

Table 26. Green dry pea variety performance results at Nezperce, 2005.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	1860	18.4	30	19	0.6
Ariel	1740	15.8	27	19	0.7
Bluebird	1780	19.6	23	16	0.7
Camry	1860	20.7	21	19	0.9
Columbian	1300	16.4	48	17	0.4
Cooper	1830	23.3	29	29	1.0
Cruiser	1610	16.7	28	19	0.7
Joel	1430	19.4	44	18	0.4
Karita	1550	21.9	29	26	0.9
K 2	1800	17.9	28	24	0.9
Monarch	2130	15.1	27	14	0.5
Pacifica	1770	17.8	30	16	0.5
Stirling	1840	16.2	25	14	0.6
Stratus	2100	20.5	24	17	0.7
Stratus <sup>+</sup>	1830	20.3	23	16	0.7
Toledo	1700	19.7	28	25	0.9
Ceb 1090	1640	22.7	27	24	0.9
Ceb 1093	1240	20.8	28	27	1.0
PS 810162	1720	18.4	26	20	0.8
PS 0010804	1870	19.4	28	16	0.6
PS 0110460	1660	19.5	23	14	0.6
PS 0110767	1840	18.0	27	20	0.7
Pro 031-7053	1850	16.2	31	21	0.7
Average	1740	18.9	28	20	0.7
LSD (0.10)	176	0.7	3	3	--
CV (%)	8	3.3	8	13	--

\* means canopy height/vine length; 1.0=upright

+ pea inoculum added at planting

Table 27. Yellow dry pea variety performance results at Nezperce, 2005.

Variety or Selection	Seed Yield	Seed Weight	Vine Length	Canopy Height	Erect Index*
	lb/acre	g/100	inches	inches	0.0-1.0
Badminton	1580	18.1	25	15	0.6
Carousel	1730	20.0	33	19	0.6
Delta	1990	20.1	29	21	0.7
Fallon	1840	19.8	27	14	0.5
Rex	1760	19.6	32	16	0.5
Shawnee	1440	20.3	43	16	0.4
Swing	1980	18.3	29	22	0.8
Topeka	2030	18.7	25	14	0.6
Universal	1950	18.9	27	25	0.9
Ceb 4132	2240	20.7	26	18	0.7
PS 0010836	2000	22.0	27	15	0.6
PS 01102958	1670	19.8	27	14	0.5
FDP007	1440	19.9	29	20	0.7
Average	1820	19.7	29	18	0.6
LSD (0.10)	176	0.7	3	3	--
CV (%)	8	3.3	8	13	--

\* means canopy height/vine length; 1.0=upright

Table 28. Combined green dry pea performance data for Nezperce and Moscow, 2005.

Variety or Selection	Seed Yield			Seed Weight			Vine Length*	Canopy Height*
	Nezperce	Moscow	Average	Nezperce	Moscow	Average		
	-----lb/acre-----			-----g/100-----			inches	inches
Aragorn	1860	2120	1990	18.4	20.6	19.5	27	22
Ariel	1740	2050	1900	15.8	17.6	16.7	26	22
Bluebird	1780	2280	2030	19.6	20.9	20.3	22	19
Camry	1860	2110	1985	20.7	20.4	20.6	20	19
Columbian	1300	1920	1610	16.4	19.5	18.0	39	17
Cooper	1830	1920	1875	23.3	21.6	22.5	27	27
Cruiser	1610	1970	1790	16.7	19.1	17.9	27	22
Joel	1430	2100	1770	19.4	19.9	19.7	40	17
Karita	1550	2200	1875	21.9	24.4	23.2	27	26
K 2	1800	2080	1940	17.9	20.0	19.0	27	25
Monarch	2130	2360	2245	15.1	20.2	17.7	24	18
Pacifica	1770	2120	1945	17.8	20.6	19.2	28	21
Stirling	1840	2260	2050	16.2	19.5	17.9	22	17
Stratus	2100	2160	2130	20.5	21.5	21.0	22	19
Stratus <sup>+</sup>	1830	1990	1910	20.3	20.7	20.5	21	18
Toledo	1700	1990	1850	19.7	23.2	21.5	26	25
Ceb 1090	1640	1930	1790	22.7	22.6	22.7	26	25
Ceb 1093	1240	1920	1580	20.8	21.1	21.0	26	25
PS 810162	1720	2140	1930	18.4	22.1	20.3	24	20
PS 0010804	1870	2170	2020	19.4	22.1	20.8	26	20
PS 0110460	1660	2080	1870	19.5	21.6	20.6	21	16
PS 0110767	1840	2210	2030	18.0	21.1	19.6	26	22
Pro 031-7053	1850	2240	2050	16.2	18.3	17.3	31	26
Average	1737	2100	1920	18.9	20.9	19.9	26	21
LSD (0.10)	176	105	90	0.7	0.8	0.3	1	1
CV (%)	8	4	--	3.3	3.2	--	--	--

\* average of Moscow and Nezperce

+ pea inoculum added at planting

Table 29. Combined yellow dry pea performance data for Nezperce and Moscow, 2005.

Variety or Selection	Seed Yield			Seed Weight			Vine Length*	Canopy Height*
	Nezperce	Moscow	Average	Nezperce	Moscow	Average		
	-----lb/acre-----			-----g/100-----			inches	inches
Badminton	1580	2040	1810	18.1	19.6	18.9	23	18
Carousel	1730	2070	1900	20.0	21.8	20.9	29	22
Delta	1990	2210	2100	20.1	20.5	20.3	26	22
Fallon	1840	2100	1970	19.8	19.2	19.5	27	15
Rex	1760	2440	2100	19.6	22.3	21.0	29	19
Shawnee	1440	1990	1720	20.3	19.6	20.0	39	15
Swing	1980	2260	2120	18.3	20.9	19.6	28	24
Topeka	2030	2410	2220	18.7	21.3	20.0	24	18
Universal	1950	2320	2140	18.9	20.7	19.8	27	26
Ceb 4132	2240	2310	2250	20.7	22.2	21.5	24	20
PS 0010836	2000	2200	2100	22.0	22.9	22.5	24	18
PS 01102958	1670	1940	1810	19.8	21.0	20.4	24	17
FDP007	1440	2020	1730	19.9	20.7	20.3	28	23
Average	1820	2180	2000	19.7	21.0	20.3	27	20
LSD (0.10)	176	105	90	0.7	0.8	0.5	1	1
CV (%)	8	4	--	3.3	3.2	--	--	--

\* average of Moscow and Nezperce

Table 30. Seed yield averages for green and yellow dry pea varieties tested for three years in northern Idaho.

Variety or Selection	2003	2004*	2005	Average
-----lb/acre-----				
<b><u>Green pea</u></b>				
Ariel	1540	3360	1900	2050
Bluebird	1850	3310	2030	2210
Camry	1670	3060	1990	2080
Columbian	1390	3320	1610	1860
Cooper	1600	3900	1880	2170
Cruiser	1530	3060	1790	1940
Karita	1780	3440	1880	2150
K 2	1440	3440	1940	2040
Monarch	1550	3290	2250	2180
Stirling	1160	3430	2050	1970
Stratus	1830	3670	2130	2320
Toledo	1710	2650	1850	1950
PS810162	1660	3460	1930	2130
Average	1590	3340	1940	2080
LSD (0.10)	140	600	90	--
<b><u>Yellow pea</u></b>				
Badminton	1770	3480	1810	2130
Carousel	1560	3810	1900	2140
Fallon	1430	3300	1970	2020
Rex	1620	3670	2100	2220
Shawnee	1780	3120	1720	2020
Swing	1710	3140	2120	2160
Topeka	1720	3970	2220	2370
FDP007	1510	3870	1720	2070
Average	1640	3550	1950	2150
LSD (0.10)	140	600	90	--

\* 2004 results are Moscow only and the averages are for five site years.

Table 31. Lentil variety performance results at Nezperce and Moscow, 2005.

Variety or Selection	Seed Yield			Seed Weight			Plant Height		
	Nezperce	Moscow	Average	Nezperce	Moscow	Average	Nezperce	Moscow	Average
	-----lb/acre-----			-----g/100-----			-----inches-----		
Brewer	1270	1700	1490	5.0	5.7	5.4	17	14	16
Crimson	1190	1500	1350	3.0	3.2	3.1	16	13	15
Eston	1220	1550	1390	2.9	3.2	3.1	17	14	16
Merrit	1200	1700	1450	5.5	5.9	5.7	17	15	16
Pardina	1240	1810	1525	3.3	3.7	3.5	16	13	15
Pennell	870	1160	1020	5.9	6.5	6.2	16	15	16
Richlea	1060	1570	1320	4.8	4.8	4.8	17	15	16
LC860359L	590	1040	820	6.1	6.3	6.2	17	16	17
LC860616L	960	1590	1280	6.4	6.8	6.6	17	15	16
LC99602075L	870	1150	1010	6.5	7.1	6.8	17	16	17
LC01600732R	1110	1470	1290	4.5	4.8	4.7	17	15	16
LC01600736E	910	1300	1110	3.3	3.5	3.4	17	15	16
LC01602307E	1350	1390	1370	3.9	4.0	4.0	18	14	16
LC02600397P	980	1380	1180	3.2	3.5	3.4	17	14	16
LC01602062T	1190	1830	1510	4.2	4.3	4.3	16	14	15
LC02600449T	630	1280	960	4.0	4.1	4.1	15	15	15
Average	1040	1460	1260	4.5	4.8	4.7	17	15	16
LSD (0.10)	190	80	90	0.2	0.2	0.1	1	1	1
CV (%)	15	4	--	2.7	2.5	--	5	5	--

Table 32. Chickpea variety performance results at Moscow, 2005.

Variety or Selection	Seed Yield	Seed Weight	Plant Height
	lb/acre	g/100	inches
Dwellely	220	31.0	17
Myles	800	15.3	15
Sierra	480	34.1	17
Spanish White	640	36.4	16
CA9783163C	430	33.2	16
CA9990I604C	530	36.4	16
CA0090B347C	830	33.2	17
CA9890233W	360	29.5	15
CA9990I875W	330	29.3	14
CA9990B015W	440	29.4	15
Average	510	30.8	16
LSD (0.10)	70	1.7	1
CV (%)	10	4.6	4

Table 33. Seed yield averages for lentil and chickpea varieties tested for three years in northern Idaho.

Variety or Selection	2003	2004	2005	Average
-----lb/acre-----				
<b><u>Lentil</u></b>				
Brewer	1290	2850	1490	1870
Crimson	1070	2100	1350	1510
Eston	1230	2470	1390	1690
Merrit	1290	2820	1450	1850
Pardina	1430	2850	1530	1940
Pennell	1260	2060	1020	1450
Richlea	1430	2570	1320	1773
LC860359L	1430	1950	820	1400
LC99602075L	1470	2360	1010	1610
Average	1320	2450	1264	1680
LSD (0.10)	180	270	90	--
<b><u>Chickpea</u></b>				
Dwellely	1180	2130	220	1180
Myles	1440	2540	800	1590
Sierra	1390	2460	480	1440
Spanish White	1380	2100	640	1370
CA 9990I604C	1400	3010	530	1650
CA 9890233W	1150	2860	360	1460
CA9990I875W	850	2470	330	1220
Average	1260	2510	480	1420
LSD (0.10)	180	410	70	--

Table 34. No-till dry pea variety performance results at Genesee, 2005.

Variety or Selection	Seed Yield	Seed Weight	Vine Length	Canopy Height	Erect Index*
	lb/acre	g/100	inches	inches	0.0-1.0
Ariel	1870	15.8	28	28	1.0
Bluebird	1950	20.3	23	22	1.0
Camry	2460	21.8	23	23	1.0
Columbian	1700	18.7	43	17	0.4
Cooper	2260	22.8	29	29	1.0
Cruiser	1980	18.1	29	28	1.0
Joel	2030	20.6	42	17	0.4
Karita	2080	23.0	30	29	1.0
K 2	1800	18.8	27	27	1.0
Monarch	2020	19.5	23	21	0.9
Stirling	2110	19.2	26	26	1.0
Stratus	2240	21.3	25	25	1.0
Toledo	1930	23.1	28	28	1.0
Badminton	1930	19.2	24	24	1.0
Carousel	1960	20.6	30	29	1.0
Fallon	2050	20.6	28	21	0.8
Rex	1710	21.3	32	20	0.6
Shawnee	1720	18.9	42	14	0.3
Swing	2470	20.4	30	29	1.0
Topeka	2290	21.4	26	20	0.8
Average	2030	20.3	29	24	0.9
LSD (0.10)	265	1.0	3	3	--
CV (%)	11	4.1	9	10	--

\* means canopy height/vine length; 1.0=upright

Table 35. No-till dry pea variety performance results at Moscow, 2005.

Variety or Selection	Seed Yield	Seed Weight	Vine Length	Canopy Height	Erect Index*
	lb/acre	g/100	inches	inches	0.0-1.0
Ariel	2060	16.2	28	28	1.0
Bluebird	2240	20.3	24	24	1.0
Camry	2500	21.5	23	23	1.0
Columbian	1420	18.7	48	23	0.5
Cooper	2320	23.3	30	30	1.0
Cruiser	2020	17.7	30	30	1.0
Joel	1520	18.8	45	21	0.5
Karita	2210	22.6	27	27	1.0
K 2	2180	18.1	29	29	1.0
Monarch	2430	17.6	24	24	1.0
Stirling	1960	18.6	26	24	0.9
Stratus	2460	21.5	25	25	1.0
Toledo	2070	21.3	27	27	1.0
Badminton	2040	20.4	22	22	1.0
Carousel	2190	20.9	33	33	1.0
Fallon	1640	20.4	28	21	0.8
Rex	2080	21.9	29	23	0.8
Shawnee	1730	20.6	44	19	0.4
Swing	2250	19.0	29	29	1.0
Topeka	2320	20.5	26	21	0.8
Average	2080	20.0	30	25	0.9
LSD (0.10)	222	0.6	3	3	--
CV (%)	9	2.6	7	10	--

\* means canopy height/vine length; 1.0=upright

Table 36. Combined no-till dry pea variety performance results at Genesee and Moscow, 2005.

Variety or Selection	Seed Yield			Seed Weight			Vine <sup>+</sup> Length	Canopy <sup>+</sup> Height	Erect Index*
	Genesee	Moscow	Average	Genesee	Moscow	Average			
	-----lb/acre-----			-----g/100-----			inches	inches	0.0-1.0
Ariel	1870	2060	1970	15.8	16.2	16.0	28	28	1.0
Bluebird	1950	2240	2100	20.3	20.3	20.3	24	23	1.0
Camry	2460	2500	2480	21.8	21.5	21.7	23	23	1.0
Columbian	1700	1420	1560	18.7	18.7	18.7	46	20	0.4
Cooper	2260	2320	2290	22.8	23.3	23.1	30	30	1.0
Cruiser	1980	2020	2000	18.1	17.7	17.9	30	29	1.0
Joel	2030	1520	1780	20.6	18.8	19.7	44	19	0.4
Karita	2080	2210	2150	23.0	22.6	22.8	29	28	1.0
K 2	1800	2180	1990	18.8	18.1	18.5	28	28	1.0
Monarch	2020	2430	2225	19.5	17.6	18.6	24	23	1.0
Stirling	2110	1960	2030	19.2	18.6	18.9	26	25	1.0
Stratus	2240	2460	2350	21.3	21.5	21.4	25	25	1.0
Toledo	1930	2070	2000	23.1	21.3	22.2	28	28	1.0
Badminton	1930	2040	1990	19.2	20.4	19.8	23	23	1.0
Carousel	1960	2190	2075	20.6	20.9	20.8	32	31	1.0
Fallon	2050	1640	1840	20.6	20.4	20.5	28	21	0.8
Rex	1710	2080	1900	21.3	21.9	21.6	31	22	0.7
Shawnee	1720	1730	1720	18.9	20.6	19.8	43	17	0.4
Swing	2470	2250	2360	20.4	19.0	19.7	30	29	1.0
Topeka	2290	2320	2310	21.4	20.5	21.0	26	21	0.8
Average	2030	2080	2060	20.3	20.0	20.1	30	25	0.9
LSD (0.10)	265	222	160	1.0	0.6	0.5	2	2	--
CV (%)	11	9	--	4.1	2.6	--	--	--	--

\* means canopy height/vine length; 1.0=upright

+ average of Genesee and Moscow

Table 37. Seed yield and seed weight for no-till dry pea varieties tested for three years in northern Idaho.

Variety or Selection	Seed Yield				Seed Weight			
	2003	2004	2005	Average	2003	2004	2005	Average
	-----lb/acre-----				-----g/100-----			
Ariel	1370	2990	1970	2110	17.2	18.7	16.0	17.3
Bluebird	1570	3270	2100	2310	22.0	24.9	20.4	22.4
Columbian	860	2910	1560	1780	19.4	18.4	18.7	18.8
Cruiser	1290	2950	2000	2080	18.5	20.5	17.9	19.0
Joel	1870	3060	1780	2340	20.2	23.0	19.7	21.0
Karita	1490	2920	2150	2190	23.7	25.5	22.8	24.0
K 2	1210	2970	1990	2057	19.5	20.7	18.5	19.6
Monarch	1710	3410	2230	2450	19.0	20.4	18.6	19.3
Stirling	1110	3430	2030	2190	19.7	20.4	18.9	19.7
Stratus	1700	3430	2350	2490	22.5	23.6	21.4	22.5
Toledo	1580	3010	2000	2200	23.5	24.8	22.2	23.5
Badminton	1350	3550	1990	2300	21.6	24.0	19.8	21.8
Fallon	1370	3200	1840	2140	21.7	25.1	20.5	22.4
Rex	1260	3410	1900	2190	23.2	23.2	21.6	22.7
Shawnee	1790	2820	1720	2110	20.4	22.5	19.8	20.9
Swing	1740	3200	2360	2430	21.4	22.3	19.7	21.1
Topeka	1650	3320	2310	2430	22.8	22.6	21.0	22.1
Average	1470	3170	2020	2220	21.0	22.4	19.9	21.1
LSD (0.10)	120	240	160	--	0.4	0.9	0.5	--

Table 38. No-till lentil variety performance results at Genesee and Moscow, 2005.

Variety or Selection	Seed Yield			Seed Weight			Plant Height		
	Genesee	Moscow	Average	Genesee	Moscow	Average	Genesee	Moscow	Average
	-----lb/acre-----			-----g/100-----			-----inches-----		
Brewer	1380	960	1170	5.6	5.1	5.4	16	16	16
Eston	1180	900	1040	3.1	3.0	3.1	16	16	16
Merrit	1340	1100	1220	6.1	5.6	5.9	16	16	16
Pardina	1570	1300	1440	3.8	3.7	3.8	15	16	16
Pennell	1430	1300	1370	6.3	5.9	6.1	16	16	16
Richlea	1240	1310	1280	4.7	4.5	4.6	17	16	17
Average	1360	1150	1260	4.9	4.6	4.8	16	16	16
LSD (0.10)	170	440	220	0.2	0.2	0.1	1	1	1
CV (%)	10	31	--	2.4	3.2	--	4	6	--