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Spring Legumes

Green dry pea variety performance results at Nezperce, 2007. Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	1010	15.7	22	22	1.0
Ariel	900	13.4	19	20	1.0
Banner**	980	11.8	26	25	1.0
Camry	670	15.6	14	14	1.0
Columbian	980	13.6	27	14	0.5
Cooper	650	20.6	19	19	1.0
Cruiser	870	15.6	23	22	1.0
Joel	1030	14.8	33	15	0.5
Karita	770	16.3	22	21	1.0
K2	750	15.1	23	21	0.9
Medora	760	15.9	25	24	1.0
Monarch	1180	13.8	19	18	1.0
Pacifica	940	15.9	22	21	1.0
Stirling	920	14.0	16	16	1.0
Stirling NST+	960	14.3	16	16	1.0
PS03101340	1040	18.4	25	23	0.9
PS02100107	800	14.9	19	19	1.0
PS03101459	880	15.0	23	22	1.0
PS03101445	950	14.1	22	21	1.0
Pro 031-6229	840	13.1	20	20	1.0
Pro 041-7109	800	12.2	22	20	0.9
Average	890	15.0	22	20	0.9
LSD (0.10)	142	1.4	3	2	0.1
CV (%)	13	7.8	11	20	6.2

* means canopy height/vine length; 1.0=upright

** previously known as Pro 031-7053

+ no seed treatment

Yellow dry pea variety performance results at Nezperce, 2007.
 Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Carousel	740	16.6	24	23	1.0
Delta	940	14.3	19	19	1.0
Rex	950	15.2	21	21	1.0
Rex NST+	1140	16.4	21	21	1.0
Shawnee	1020	15.3	30	13	0.4
Topeka	920	15.6	20	16	1.0
Universal	1160	15.1	22	22	1.0
PS0010836	700	17.1	16	16	1.0
Pro 053-7072	880	15.6	25	25	1.0
Average	940	15.2	22	20	0.9
LSD (0.10)	142	1.4	3	2	0.1
CV (%)	13	7.8	11	7	6.2

* means canopy height/vine length; 1.0=upright
 + no seed treatment

Green dry pea variety performance results at Moscow, 2007.
 Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	2410	18.5	29	27	1.0
Ariel	2280	16.2	28	26	0.9
Banner**	2810	17.8	30	28	1.0
Camry	2410	21.5	19	18	1.0
Columbian	2430	17.5	41	17	0.4
Cooper	2250	22.9	25	25	1.0
Cruiser	2300	18.1	28	27	0.9
Joel	2440	18.3	41	16	0.4
Karita	2450	22.4	25	25	0.1
K2	2340	18.1	26	25	1.0
Medora	2310	18.8	31	30	0.9
Monarch	2680	17.0	22	20	0.9
Pacifica	2360	20.4	30	28	1.0
Stirling	2380	18.1	19	18	1.0
Stirling NST+	2370	17.9	22	19	0.9
PS03101340	2750	22.4	30	26	0.9
PS02100107	2050	18.7	23	21	0.9
PS03101459	2210	19.0	28	25	0.9
PS03101445	2680	18.3	26	24	1.0
Pro 031-6229	2280	15.9	26	24	0.9
Pro 041-7109	2200	16.4	25	24	1.0
Average	2400	18.8	27	23	0.9
LSD (0.10)	143	0.6	3	2	0.1
CV (%)	5	2.5	10	8	8.4

* means canopy height/vine length; 1.0=upright

** previously known as Pro 031-7053

+ no seed treatment

Yellow dry pea variety performance results at Moscow, 2007.
 Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Carousel	2450	21.5	27	27	1.0
Delta	2290	19.5	22	21	1.0
Rex	2710	22.7	24	24	1.0
Rex NST+	2680	23.0	26	24	0.9
Shawnee	2300	19.2	34	13	0.4
Topeka	2580	20.4	21	19	0.9
Universal	2700	19.6	27	26	1.0
PS0010836	2510	21.6	20	18	0.9
Pro 053-7072	2590	22.9	28	27	1.0
Average	2530	21.2	25	22	0.9
LSD (0.10)	143	0.6	3	2	0.1
CV (%)	5	2.5	10	8	8.4

* means canopy height/vine length; 1.0=upright
 + no seed treatment

Combined green dry pea variety performance data for Nezperce and Moscow, 2007.
 Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	Seed Yield			Seed Weight			Average of 2 sites	
	Nezperce	Moscow	Average	Nezperce	Moscow	Average	Vine Length	Canopy Height
	-----lb/acre-----			-----g/100-----			inches	inches
Aragorn	1010	2410	1710	15.7	18.5	17.1	25	24
Ariel	900	2280	1590	13.4	16.2	14.8	24	23
Banner**	980	2810	1900	11.8	17.8	14.8	28	27
Camry	670	2410	1540	15.6	21.5	18.6	16	16
Columbian	980	2430	1710	13.6	17.5	15.5	34	15
Cooper	650	2250	1450	20.6	22.9	21.7	22	22
Cruiser	870	2300	1580	15.6	18.1	16.8	26	24
Joel	1030	2440	1740	14.8	18.3	16.6	37	15
Karita	770	2450	1610	16.3	22.4	19.3	23	23
K2	750	2340	1550	15.1	18.1	16.6	24	23
Medora	760	2310	1540	15.9	18.8	17.3	28	27
Monarch	1180	2680	1930	13.8	17.0	15.4	20	19
Pacifica	940	2360	1650	15.9	20.4	18.2	26	25
Stirling	920	2380	1650	14.0	18.1	16.1	17	17
Stirling NST+	960	2370	1670	14.3	17.9	16.1	19	18
PS03101340	1040	2750	1900	18.4	22.4	20.4	27	24
PS02100107	800	2050	1430	14.9	18.7	16.8	21	20
PS03101459	880	2210	1550	15.0	19.0	17.0	25	24
PS03101445	950	2680	1820	14.1	18.3	16.2	24	23
Pro 031-6229	840	2280	1560	13.1	15.9	14.5	23	22
Pro 041-7109	800	2200	1500	12.2	16.4	14.3	23	22
Average	890	2520	1650	15.0	18.8	16.9	24	22
LSD (0.10)	142	143	101	1.4	0.6	0.7	2	1
CV (%)	13	5	--	7.8	2.5	--	--	--

** previously known as Pro 031-7053

+ no seed treatment

Combined yellow dry pea variety performance data for Nezperce and Moscow, 2007.
 Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	Seed Yield			Seed Weight			Average of 2 sites	
	Nezperce	Moscow	Average	Nezperce	Moscow	Average	Vine Length inches	Canopy Height inches
	-----lb/acre-----			-----g/100-----				
Carousel	740	2450	1600	16.6	21.5	19.0	26	25
Delta	940	2290	1620	14.3	19.5	16.9	21	20
Rex	950	2710	1830	15.2	22.7	18.9	22	22
Rex NST+	1140	2680	1910	16.4	23.0	19.7	24	22
Shawnee	1020	2300	1660	15.3	19.2	17.3	32	13
Topeka	920	2580	1750	15.6	20.4	18.0	20	18
Universal	1160	2700	1930	15.1	19.6	17.3	24	24
PS0010836	700	2510	1600	17.1	21.6	19.3	18	17
Pro 053-7072	880	2590	1740	15.6	22.9	19.3	26	26
Average	940	2530	1740	15.2	21.2	18.4	24	21
LSD (0.10)	142	143	101	1.4	0.6	0.7	2	0.1
CV (%)	13	5	--	7.8	2.5	--	--	--

+ no seed treatment

Seed yield averages for green and yellow dry pea varieties tested for three years in northern Idaho. Stephen Guy, Mary Lauver, and Doug Finkelnburg.

Variety or Selection	2005	2006	2007	Average
	-----lb/acre-----			
<u>Green pea</u>				
Aragorn	1990	2130	1710	1940
Ariel	1900	2040	1590	1840
Banner**	2050	2100	1900	2020
Camry	1985	1940	1540	1820
Columbian	1610	1710	1710	1680
Cooper	1875	1550	1450	1630
Cruiser	1790	2020	1580	1800
Joel	1770	1930	1740	1810
Karita	1875	2210	1610	1900
K2	1940	2060	1550	1850
Monarch	2245	1970	1930	2050
Pacifica	1945	2230	1650	1940
Stirling	2050	2180	1650	1960
Average	1930	2010	1660	1870
LSD (0.10)	90	135	101	--
<u>Yellow pea</u>				
Carousel	1900	2120	1600	1870
Delta	2100	2240	1620	1990
Rex	2100	2280	1830	2070
Shawnee	1720	2130	1660	1840
Topeka	2220	2250	1750	2070
Universal	2140	2410	1930	2160
PS0010836	2100	2100	1610	1940
Average	2040	2220	1710	1990
LSD (0.10)	90	135	101	--

** previously known as Pro 031-7053