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Spring Legumes

Table 22. Green dry pea variety performance results at Nez Perce, 2008.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	113	15.2	10	9	1.0
Arid	85	12.4	10	10	1.0
Banner	98	13.6	11	11	1.0
Banner NST ⁺	84	11.8	10	10	1.0
Columbian	134	14.4	12	12	1.0
Cruiser	106	14.0	10	10	1.0
Joel	77	13.5	11	11	1.0
Karita	42	13.2	11	11	1.0
Medora	68	12.1	10	10	1.0
Monarch	95	13.3	9	9	1.0
Pacifica	64	15.6	11	11	1.0
Pacifica NST ⁺	56	15.1	11	11	1.0
Stirling	95	16.4	8	8	1.0
Stirling NST ⁺	123	16.4	8	8	1.0
PS03101445	97	14.9	10	10	1.0
Pro 041-7109	85	15.0	10	10	1.0
Average	89	14.2	10	10	1.0
LSD (0.10)	37	5.0	2	1	0.5
CV (%)	35	30.9	13	12	4.2

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

Table 23. Yellow dry pea variety performance results at Nez Perce, 2008.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Carousel	65	13.8	10	9	1.0
Delta	110	17.5	11	10	1.0
Rex	59	11.7	10	10	1.0
Rex NST+	36	10.3	9	9	1.0
Shawnee	126	13.9	13	12	0.9
Universal	136	14.4	11	11	1.0
Pro 053-7072	103	10.9	10	10	1.0
Pro 043-7169	67	11.9	9	9	1.0
Pro 033-5049	78	12.7	11	10	1.0
Average	87	13.0	10	10	1.0
LSD (0.10)	37	5.0	2	1	0.5
CV (%)	35	30.9	13	12	4.2

* means canopy height/vine length; 1.0=upright

+ no seed treatment

Table 24. Green dry pea variety performance results at Moscow, 2008.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	2889	22.6	26	26	1.0
Arid	2771	19.3	24	24	1.0
Banner	2681	20.8	28	27	1.0
Banner NST ⁺	2651	19.9	28	28	1.0
Columbian	2065	19.4	33	15	0.5
Cruiser	2768	21.9	25	26	1.0
Joel	2553	24.1	34	13	0.4
Karita	2669	26.3	25	25	1.0
Medora	2754	23.6	29	29	1.0
Monarch	2943	20.7	22	20	0.9
Pacifica	3389	24.7	28	28	1.0
Pacifica NST ⁺	3332	25.4	27	25	0.9
Stirling	2888	22.2	21	21	1.0
Stirling NST ⁺	2622	22.3	20	19	1.0
PS03101445	3105	21.7	24	24	1.0
Pro 041-7109	2474	19.5	23	23	1.0
Average	2785	22.2	26	23	0.9
LSD (0.10)	430	0.9	3	2	0.6
CV (%)	13	3.4	10	7	5.9

* means canopy height/vine length; 1.0=upright

+ no seed treatment

Table 25. Yellow dry pea variety performance results at Moscow, 2008.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Carousel	2912	26.1	26	26	1.0
Delta	2800	23.4	23	23	1.0
Rex	3205	26.0	24	21	0.9
Rex NST ⁺	3225	26.4	25	21	0.8
Shawnee	2235	23.7	35	9	0.2
Universal	3032	23.4	26	26	1.0
Pro 053-7072	3014	26.8	28	29	1.0
Pro 043-7169	3081	25.8	25	25	1.0
Pro 033-5049	3192	24.1	29	29	1.0
Average	2966	25.1	27	23	0.9
LSD (0.10)	430	0.9	3	2	0.6
CV (%)	13	3.4	10	7	5.9

* means canopy height/vine length; 1.0=upright

+ no seed treatment

Table 26. Combined green dry pea variety performance data for Nez Perce and Moscow, 2008.

Variety or Selection	Seed Yield			Seed Weight			Average of 2 sites	
	Nez Perce	Moscow	Average	Nez Perce	Moscow	Average	Vine Length	Canopy Height
	-----lb/acre-----			-----g/100-----			inches	inches
Aragorn	113	2889	1501	15.2	22.6	18.9	18	17
Arid	85	2771	1428	12.4	19.3	15.9	17	17
Banner	98	2681	1390	13.6	20.8	17.2	19	19
Banner NST+	84	2651	1367	11.8	19.9	15.8	19	19
Columbian	134	2065	1100	14.4	19.4	16.9	23	14
Cruiser	106	2768	1437	14.0	21.9	18.0	18	18
Joel	77	2553	1315	13.5	24.1	18.8	22	12
Karita	42	2669	1356	13.2	26.3	19.8	18	18
Medora	68	2754	1411	12.1	23.6	17.9	20	20
Monarch	95	2943	1519	13.3	20.7	17.0	15	15
Pacifica	64	3389	1726	15.6	24.7	20.2	19	19
Pacifica NST	56	3332	1694	15.1	25.4	20.3	19	18
Stirling	95	2888	1492	16.4	22.2	19.3	14	14
Stirling NST+	123	2622	1373	16.4	22.3	19.4	14	14
PS03101445	97	3105	1601	14.9	21.7	18.3	17	17
Pro 041-7109	85	2474	1280	15.0	19.5	17.3	16	16
Average	89	2785	1437	14.2	22.2	18.2	18	17
LSD (0.10)	37	430	165	5.0	0.9	2.1	2	1
CV (%)	35	13	--	30.9	3.4	--	--	--

+ no seed treatment

Table 27. Combined yellow dry pea variety performance data for Nez Perce and Moscow, 2008.

Variety or Selection	Seed Yield			Seed Weight			Average of 2 sites	
	Nez Perce	Moscow	Average	Nez Perce	Moscow	Average	Vine Length inches	Canopy Height inches
	-----lb/acre-----			-----g/100-----				
Carousel	65	2912	1489	13.8	26.1	19.9	18	18
Delta	110	2800	1455	17.5	23.4	20.5	17	17
Rex	59	3205	1632	11.7	26.0	18.8	17	15
Rex NST ⁺	36	3225	1631	10.3	26.4	18.3	17	15
Shawnee	126	2235	1180	13.9	23.7	18.8	24	10
Universal	136	3032	1584	14.4	23.4	18.9	18	18
Pro 053-7072	103	3014	1558	10.9	26.8	18.8	19	19
Pro 043-7169	67	3081	1574	11.9	25.8	18.8	17	17
Pro 033-5049	78	3192	1635	12.7	24.1	18.4	20	20
Average	87	2966	1526	13.0	25.1	19.0	18	17
LSD (0.10)	37	430	165	5.0	0.9	2.1	2	1
CV (%)	35	13	--	30.9	3.4	--	--	--

+ no seed treatment

Table 28. Seed yield averages for green and yellow dry pea varieties tested for three years in northern Idaho.

Variety or Selection	2006	2007	2008	Average
	-----lb/acre-----			
<u>Green pea</u>				
Aragorn	2130	1710	1501	1780
Banner	2100	1900	1390	1797
Columbian	1710	1710	1100	1507
Cruiser	2020	1580	1437	1679
Joel	1930	1740	1315	1662
Karita	2210	1610	1356	1725
Medora	1520	1540	1411	1490
Monarch	1970	1930	1519	1806
Pacifica	2230	1650	1726	1869
Stirling	2180	1650	1492	1774
Average	2000	1702	1425	1709
<u>Yellow pea</u>				
Carousel	2120	1600	1489	1736
Delta	2240	1620	1455	1772
Rex	2280	1830	1632	1914
Shawnee	2130	1660	1180	1657
Universal	2410	1930	1584	1975
Average	2236	1728	1468	1811
Overall Average	2079	1711	1439	1743
LSD (0.10)	135	101	165	--

Table 32. No-till dry pea variety performance results at Genesee, 2008.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	2344	21.2	31	29	0.9
Ariel	2281	18.2	31	31	1.0
Banner	2499	21.1	35	32	0.9
BannerNST ⁺	2449	21.1	37	30	0.8
Columbian	1942	17.4	47	15	0.3
Crusier	2077	19.5	33	32	1.0
Joel	2122	21.8	42	17	0.4
Karita	2305	24.8	30	29	1.0
Monarch	2487	19.5	28	26	0.9
Pacifica	2330	23.8	35	32	0.9
Pacifica NST ⁺	2492	23.5	35	31	0.9
Stirling	2409	22.0	28	25	0.9
Stirling NST ⁺	2365	21.6	26	24	0.9
Pro 041-7109	2311	18.5	31	30	1.0
Carousel	2132	25.4	34	33	1.0
Delta	1969	22.7	28	27	1.0
Rex	2498	24.0	33	21	0.6
RexNST ⁺	2403	24.6	35	23	0.7
Shawnee	2209	21.8	48	14	0.3
Universal	2541	20.9	34	33	1.0
Average	2308	21.7	34	27	0.8
LSD (0.10)	255	1.3	4	3	0.1
CV (%)	9	4.9	10	10	11.1

* means canopy height/vine length; 1.0=upright

+ no seed treatment

Table 33. No-till dry pea variety performance results at Moscow, 2008.

Variety or Selection	Seed Yield lb/acre	Seed Weight g/100	Vine Length inches	Canopy Height inches	Erect Index* 0.0-1.0
Aragorn	441	19.0	25	25	1.0
Ariel	711	18.4	24	24	1.0
Banner	1344	18.4	27	25	1.0
BannerNST ⁺	1149	18.8	24	24	1.0
Columbian	868	17.6	33	14	0.4
Crusier	576	18.8	24	24	1.0
Joel	1387	18.1	34	17	0.5
Karita	360	23.1	23	23	1.0
Monarch	550	16.9	18	18	1.0
Pacifica	1499	21.1	25	25	1.0
Pacifica NST ⁺	1332	21.9	27	24	0.9
Stirling	1136	17.8	17	17	1.0
Stirling NST ⁺	819	16.9	19	16	0.9
Pro 041-7109	488	17.0	20	20	1.0
Carousel	558	22.5	26	26	1.0
Delta	591	20.1	21	21	1.0
Rex	793	21.1	24	20	0.9
RexNST ⁺	504	21.9	22	20	0.9
Shawnee	635	20.0	33	15	0.4
Universal	669	20.2	25	25	1.0
Average	820	19.5	24	21	0.9
LSD (0.10)	346	1.7	4	3	0.1
CV (%)	36	7.4	15	12	10

* means canopy height/vine length; 1.0=upright

+ no seed treatment

Table 34. Combined no-till dry pea variety performance data for Genesee and Moscow, 2008.

Variety or Selection	Seed Yield			Seed Weight			Average of 2 Sites		
	Genesee	Moscow	Average	Genesee	Moscow	Average	Vine Length	Canopy Height	Erect Index*
	-----lb/acre-----			-----g/100-----			inches	inches	0.0-1.0
Aragorn	2344	441	1393	21.2	19.0	20.1	28	27	1.0
Ariel	2281	711	1496	18.2	18.4	18.3	27	27	1.0
Banner	2499	1344	1921	21.1	18.4	19.7	31	28	0.9
BannerNST ⁺	2449	1149	1799	21.1	18.8	20.0	31	27	0.9
Columbian	1942	868	1405	17.4	17.6	17.5	40	14	0.4
Crusier	2077	576	1326	19.5	18.8	19.1	28	28	1.0
Joel	2122	1387	1755	21.8	18.1	19.9	38	17	0.5
Karita	2305	360	1332	24.8	23.1	23.9	27	26	1.0
Monarch	2487	550	1519	19.5	16.9	18.2	23	22	1.0
Pacifica	2330	1499	1914	23.8	21.1	22.4	30	28	1.0
Pacifica NST ⁺	2492	1332	1912	23.5	21.9	22.7	31	27	0.9
Stirling	2409	1136	1773	22.0	17.8	19.9	23	21	1.0
Stirling NST ⁺	2365	819	1592	21.6	16.9	19.3	23	20	0.9
Pro 041-7109	2311	488	1400	18.5	17.0	17.8	26	25	1.0
Carousel	2132	558	1345	25.4	22.5	23.9	30	30	1.0
Delta	1969	591	1280	22.7	20.1	21.4	25	24	1.0
Rex	2498	793	1646	24.0	21.1	22.5	29	21	0.7
RexNST ⁺	2403	504	1454	24.6	21.9	23.2	28	22	0.8
Shawnee	2209	635	1422	21.8	20.0	20.9	40	14	0.4
Universal	2541	669	1605	20.9	20.2	20.6	29	29	1.0
Average	2308	820	1564	21.7	19.5	20.6	29	24	0.9
LSD (0.10)	255	346	212	1.3	1.7	1.1	3	2	0.1
CV (%)	9	36	--	4.9	7.4	--	--	--	--

* means canopy height/vine length; 1.0=upright

+ no seed treatment