

Table 2. Ranked yield results (cultivar, market class, tested number of environments, plant population, estimated yield, and yield in favorable and unfavorable environments) from the 2012-2014 dry bean (*P. vulgaris*) yield trials. Rankings are sub-divided according to seed size classes.

Small Seeded (<25g per 100 seed) Cultivars							
Code	Cultivar	Market Class ^a	Tested Envir.	Plant Popln. ^b (plants ha ⁻¹)	Yield (kg ha ⁻¹)	Yield Stability Analysis	
						Favorable (kg ha ⁻¹)	Unfavorable (kg ha ⁻¹)
27	Zenith	Black	4	141964	2621	2977	1961
7	Jaguar	Black	4	182867	2578	2915	1968
26	Super Jet	Black	4	148303	2527	2648	2499
1	Alpena	Navy	4	148542	2532	2928	1764
28	Zorro	Black	12	118025	2226	2618	1680
5	Eclipse	Black	12	125117	2138	2499	1632
18	OAC Rex	Navy	12	103152	1991	2167	1752
19	OAC Thunder	Navy	8	110377	1985	2408	1468
20	Peregion	Heirloom	8	127963	1939	2300	1480
2	Avalanche	Navy	8	106310	1934	2491	1283
10	Lightning	Navy	8	97807	1751	2089	1319
	Mean			128221	2202	2549	1710
Medium Seeded (25-40g per 100 seed) Cultivars							
Code	Cultivar	Market Class ^a	Tested Envir.	Plant Popln. ^b (plants ha ⁻¹)	Yield (kg ha ⁻¹)	Yield Stability Analysis	
						Favorable (kg ha ⁻¹)	Unfavorable (kg ha ⁻¹)
13	Maverick	Pinto	12	134042	2840	3459	2397
22	Rosetta	Pink	4	161339	2803	3590	2170
9	Lariat	Pinto	12	149157	2697	3154	2367
14	Merlot	Small Red	4	151950	2507	2928	2190
25	Stampede	Pinto	12	108241	2306	2782	1965
4	Coyne	GN	4	113380	2138	2887	1529
23	Santa Fe	Pinto	8	105632	2013	2724	1540
12	Matterhorn	GN	8	98697	1966	2783	1428
	Mean			127812	2408	3039	1948
Large Seeded (>40g per 100 seed) Cultivars							
Code	Cultivar	Market Class ^a	Tested Envir.	Plant Popln. ^b (plants ha ⁻¹)	Yield (kg ha ⁻¹)	Yield Stability Analysis	
						Favorable (kg ha ⁻¹)	Unfavorable (kg ha ⁻¹)
16	OAC Inferno	LRK	4	125399	2385	3294	1681
11	Majesty	DRK	4	84138	1743	2515	1165
21	Red Hawk	DRK	7	126762	1574	2258	1098
8	Krimson	Cranberry	4	110330	1573	2126	1203
24	Snowdon	WK	4	100284	1513	1853	1334
15	Montcalm	DRK	12	106850	1382	2124	855
6	Etna	Cranberry	8	106030	1282	2050	748
3	Cabernet	DRK	4	97533	1281	1729	1012
17	OAC Lyrik	LRK	8	88296	1181	1934	654
	Mean			105069	1546	2209	1083

^a Codes: GN=Great Northern; DRK=Dark Red Kidney; LRK=Light Red Kidney; WK=White Kidney

^b Target Plant Populations = 172,900 plants ha⁻¹ (70,000 plants ac⁻¹) for large-seeded and 222,300 plants ha⁻¹ (90,000 plants ac⁻¹) for small and medium seeded.