

2003 PEPPER CULTIVAR TRIAL

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The pepper cultivar trial at DSAC was composed of 16 varieties planted into fumigated, raised beds with black plastic mulch and trickle irrigation. The plants were seeded on March 28 and transplanted into the field on May 22. Plants were set in twin rows spaced 12 inches apart and in-row spacing was 12 inches. At this spacing, the population was figured at 15,000 plants per acre. Each plot contained 8 plants and each plot was replicated 3 times. The field was harvested three times: August 11, August 19, and September 5. Pest control practices followed the recommendations given in the *Midwest Vegetable Production Guide*, 2003. Table 1 shows total yield in pounds per plant and bushels per acre in descending order for all 16 varieties.

Table 1. Total yield for the 16 pepper varieties.

Variety	Color	Source	Size	Total Yield	
			(oz)	(lbs/plant)	(bushels/acre)
Lafayette	G → Y	SW	6.7	2.4	1440
Emerald Isle *	G → R	HR	5.4	2.4	1440
Paladin *	G → R	RG	6.5	2.3	1380
Brigadier	G → R	RG	6.4	2.2	1320
Legionnaire	G → R	RG	6.3	2.1	1260
King Arthur	G → R	SW	6.1	2.1	1260
Valencia	G → O	SW	5.9	2.1	1260
Colossal	G → R	SW	6.6	2.0	1200
Patriot	G → R	SW	5.9	1.5	900
Mavras	G→Choc→R	SW	4.9	1.5	900
Tequila	Y→Purp→R	SW	3.9	1.5	900
Gloria	G → Y	SW	6.0	1.3	780
Crusader	G → R	RG	5.8	1.2	720
Commandant	G → R	SW	5.9	1.1	660
Sir Galahad	G → R	SW	6.3	1.0	600
Peninsula	G → R	SW	5.9	1.0	600

* Phytophthora resistant varieties