

2009 Green Pepper Cultivar Evaluation



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Table 1. List of Varieties

ID #	Cultivar	Source
1	Revolution	Harris-Moran
2	9841819	Seminis
3	Karisma	Harris Moran
4	Declaration HMX 7648	Harris Moran
5	Aristotle	Seminis
6	Pluto	Seminis
7	Hunter	Syngenta (Rogers)
8	Intruder	Syngenta

Randomized complete block design with 4 replications

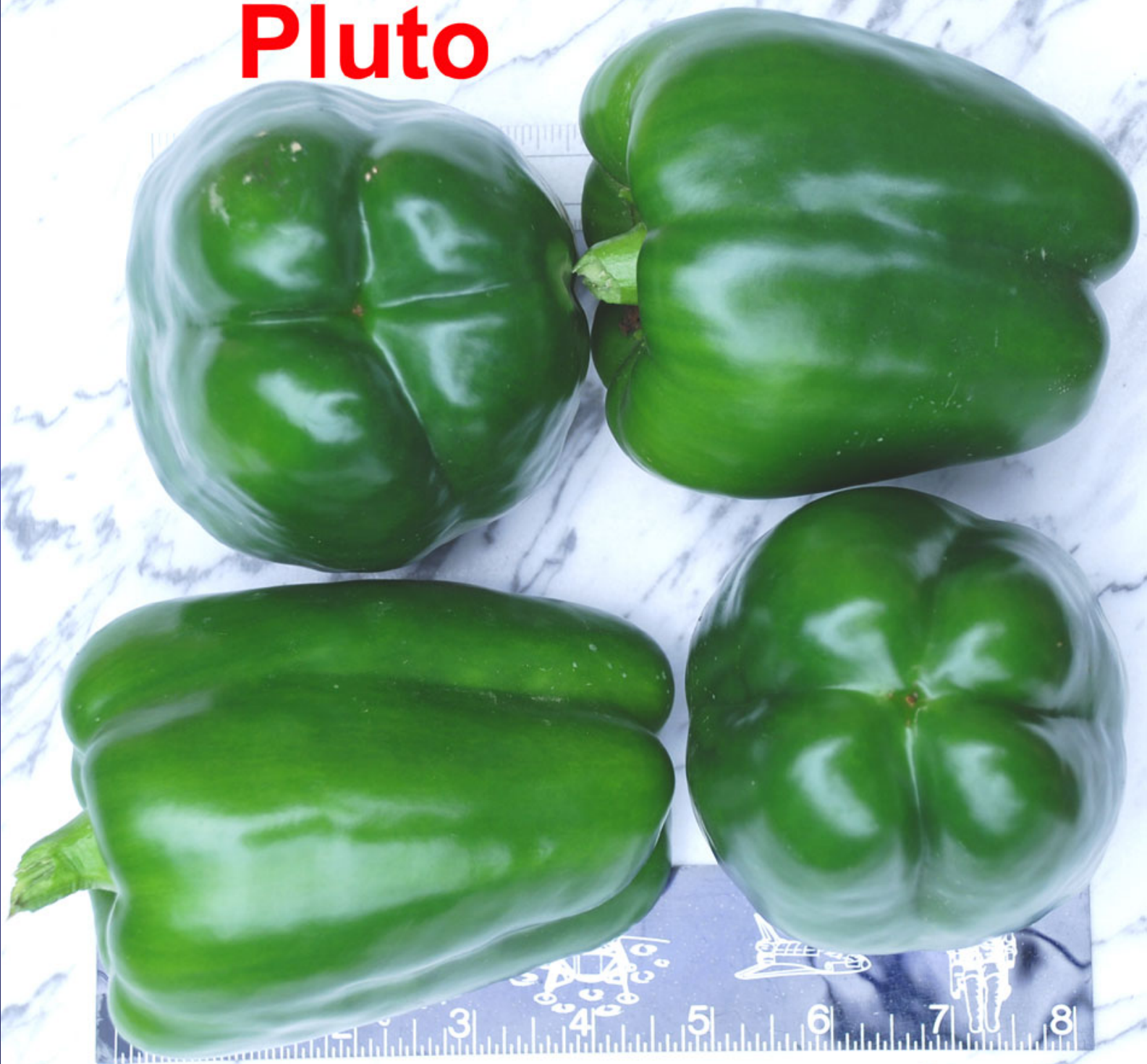
Yield of EXTRA LARGE¹, LARGE and EXTRA LARGE + LARGE fruit

Id#		Extra Large	Large	ID#	Extra Large + Large	
	Cultivar	Boxes/A	Boxes/A		Cultivar	Boxes/A
2	9841819	352	291	2	9841819	644
6	Pluto	277	338	6	Pluto	616
4	Declaration	269	284	3	Karisma	583
3	Karisma	241	342	4	Declaration	554
5	Aristotle	210	335	5	Aristotle	545
8	Intruder	194	342	8	Intruder	535
1	Revolution	170	211	1	Revolution	381
7	Hunter	91	288	7	Hunter	379
	LSD 0.05	104	113			159

PS 9841819



Pluto



Karisma



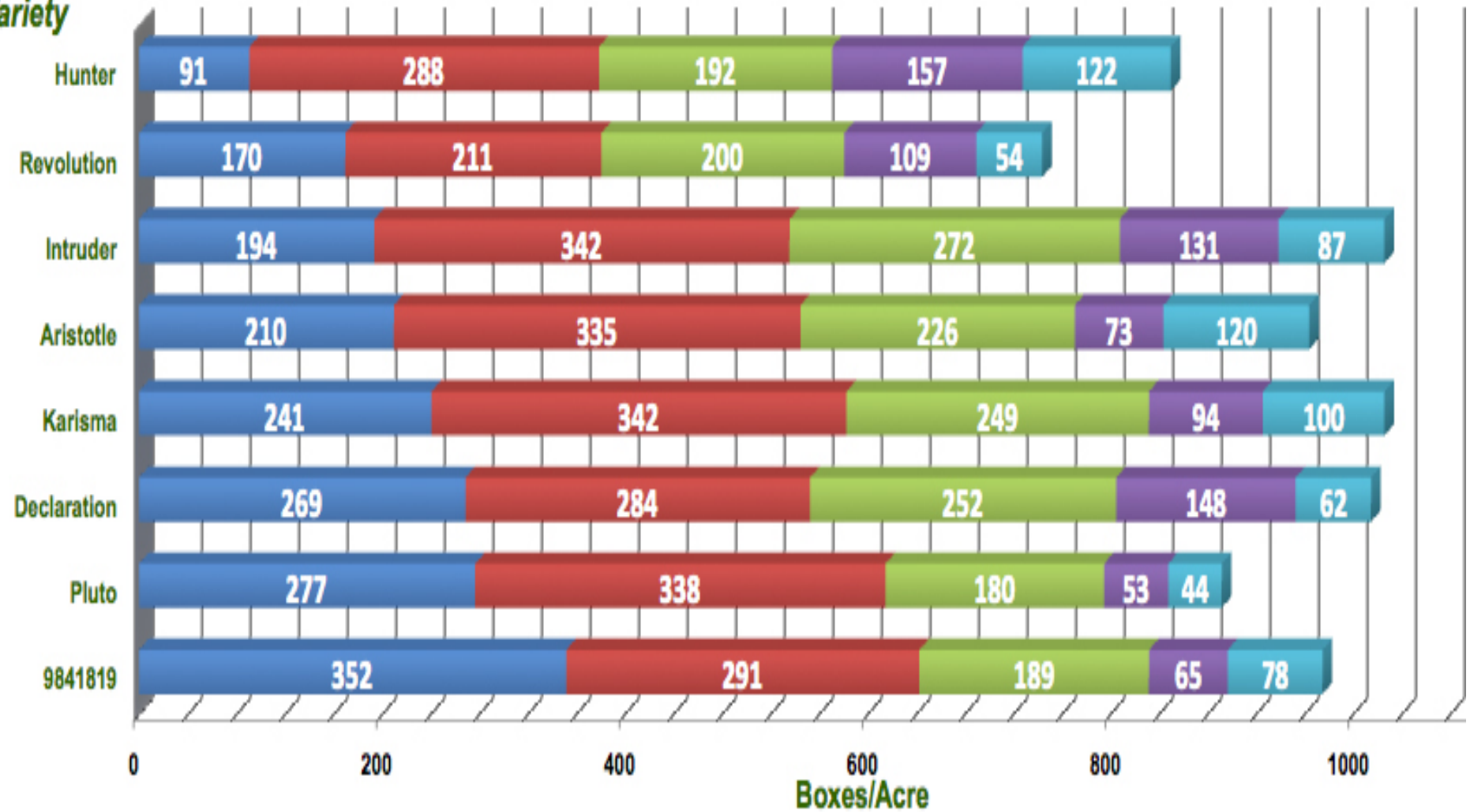
Declaration



Total Yield in all size categories: boxes/acre

■ Extra Large ■ Large ■ Medium ■ Small ■ Select

Variety





Aristotle

Intruder



Revolution



Hunter



Percentage of fruit in the large size categories (Extra Large + Large) of the total harvest

ID #	Variety	% Marketable Large
6	Pluto	62 a
2	9841819	59 ab
5	Aristotle	49 abc
3	Karisma	48 c
4	Declaration	45 c
8	Intruder	44 c
1	Revolution	36 c
7	Hunter	36 c
	LSD 0.05%	13

Comparison of Yield of extra large plus large fruit, (2006 to 2009)

Extra Large + Large			
Cultivar	2009 Boxes/A	2008 Boxes/A	2006 Boxes/A
Paladin	-	550	467
Revolution	381	542	
PS9927141	-	502	598
Declaration	554	496	
PS9928302		489	403
PX9941819	644	461	
Karisma	583	461	
Aristotle	545	431	

Revolution

9841819

Karisma

Declaration



Aristotle

Pluto

Hunter

Intruder

Revolution

9841819

Karisma

Declaration



Aristototele

Pluto

Hunter

Intruder

Conclusions

1. 9841819 (ID 2) (644 boxes/A) had highest yield of extra large and large fruit
2. Pluto, Karisma, and Declaration were not significantly lower in yield than 9841819.
3. Hunter and Revolution were significantly lower in XL & Large fruit than the top 4 varieties (9841819, Pluto, Karisma, and Declaration).
4. Pluto and 9841819 had significantly more % marketable large fruit than Declaration, Intruder, Revolution and Hunter