

EVALUATION OF CUCUMBER CULTIVARS FOR SOUTHERN OHIO, 2006

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This cultivar trial evaluated 5 cultivars for their suitability in southern Ohio.

METHODS:

Seeds were planted May 24, 2006, on raised beds (double rows 12" apart, 12" in row) covered with black plastic mulch with trickle irrigation under the plastic. Alleyways were 5 ft. Experimental design was randomized complete block with 3 replications. The field is located at the Ohio State University South Centers. One hundred units of N were applied prior to laying the plastic. A standard commercial fungicide and insecticide program following OSU Bulletin #672, The Vegetable Production Guide, was followed, on a 7-10 day schedule. Harvest began July 7th and final harvest was August 8th.

RESULTS:

There was no consistent statistical difference in average fruit weight among varieties. Average fruit weights ranged from 0.66 - 0.75. There was a slight difference in small fruit number per acre with Talladega producing an average of 25169 fruit/acre (4,195 24 ct. boxes) and A&C #187 Blend producing an average of 18796 fruit/acre (3,133 24-ct. boxes). There was no difference in number of large fruit/acre (7341 - 11374) or total fruit number/acre (27751 - 35979). There was no difference in average small pounds/acre, large pounds/acre or total pounds/acre. Small pounds/acre ranged from 11193 - 14878, large pounds per acre ranged from 7118 - 10561 and total pounds per acre ranged from 18678- 25439.

Table 1. Small Fruit yield

Number/acre		(LSD = 16679)		Small boxes/acre (LSD=694.9)	
t	Grouping	Mean	t	Grouping	Mean
	A	25169	A		4194.9
B	A	23233	B	A	3872.2
B			B		
B	C	20409	B	C	3401.6
B	C	20006	B	C	3334.4
	C	18796	C	C	3132.8
					TRTMT
					Talladega
					A&C #190 Blend
					Cobra
					A&C #170 Blend
					A&C #187 Blend