#### ISRF01-34

## **Strawberry Variety Trial**

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#### Introduction

Several new strawberry varieties have been released in the last several years through USDA breeding programs. The purpose of this multiyear study is to compare the performance of these newer varieties against current varieties widely used in Iowa, under soil and environmental conditions existing at the Southeast Research and Demonstration Farm.

### **Materials and Methods**

The strawberry trial consists of nine June-bearing varieties, including the newer varieties *Primetime, Mohawk, Winona*, and *Delmarvel*. The trial was planted on April 25, 1998. Standard cultivation

practices were used, including mulching for winter protection.

### **Results and Discussion**

For this third year harvest (2001), *Kent*, an industry standard, had the highest yield but only the sixth-largest berry size. *Primetime* appeared to be the most promising new variety, its yield being fifth in 1999, fourth in 2000, and fifth in 2001. *Mohawk* may have potential as an early berry, but, unfortunately, even the king berry has a relatively small size. *Winona* might be a quality late-season berry, but it was the third-lowest yielder. Based on this year's trial, *Cavendish* and *Jewel* were the two varieties that performed best in both yield and berry size.

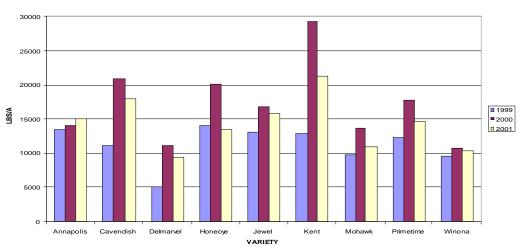
### Acknowledgments

Strawberry plants were provided by Indiana Berry & Plant Co., Huntingburg, Indiana.

# Table 1. 2001 Strawberry variety, yield, and berry weight at theSoutheast Farm, Crawfordsville, Iowa.

Yield	Avg. berry	Harvest dates
lbs/acre	weight (g)*	
21,935	14.5	6/08-6/25
18,205	19.4	6/04-6/25
13,590	10.6	6/08-6/22
14,680	15.8	6/08-6/25
15,935	18.6	6/08-6/25
9,635	10.7	6/01-6/15
15,030	17.6	6/01-6/22
9,530	15.9	6/04-6/20
10,450	11.0	6/15-6/25
	lbs/acre 21,935 18,205 13,590 14,680 15,935 9,635 15,030 9,530	lbs/acre weight (g)*   21,935 14.5   18,205 19.4   13,590 10.6   14,680 15.8   15,935 18.6   9,635 10.7   15,030 17.6   9,530 15.9

Means of three replications. \* Average weight from first three harvests.



#### STRAWBERRY VARIETY TRIAL: 1999-2001