

## FN3504-330 Swonderful

**Purdue University has developed a new, crisp, and spicy-flavored apple variety with resistance to apple scab disease, reducing yield loss and quality issues.**

To ensure the highest quality fruits and maximize fruit yields, it is important to watch for plant diseases and create new plants with disease resistance. One common disease affecting apples is scab, a fungal disease common in areas of high rainfall and relative humidity. Several genes found in apple cultivars show resistance against apple scab. Integrating scab resistance while maintaining taste and yield is a current challenge in developing new apple varieties.

Purdue University researchers have developed a new variety of apple. This new variety is large (typically, around 3 inches), with yellow skin, and a red blush. It is very crisp and has a spicy flavor. It is usually harvested in late September. Scab lesions have not been observed on the leaves or fruit of this new variety.

### **Advantages:**

- Very crisp with good flavor
- Scab lesions have not been observed on the leaves or fruit

**TRL:** 6

### **Intellectual Property:**

N/A, N/A, N/A

**Keywords:** apple variety, scab resistance, fungal disease resistance, disease-resistant cultivar, crisp apple, spicy apple, yellow apple, red blush, late harvest, plant disease resistance, Agriculture, Crop Improvements, Horticulture

### **Technology ID**

2013-JANI-66556

### **Category**

Agriculture, Nutrition, &  
AgTech/Crop Genetics &  
Breeding

### **Authors**

Jules Janick  
Anna Whipkey

### **View online**

