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Purdue University researchers developed a high-quality, yellow apple variety that delivers superior fruit yields through natural resistance to common apple scab disease.

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 that has displayed resistance to scab lesions; they have not been observed on the fruit or leaves of this new apple variety. This new variety is a large (usually, three inches), yellow apple, with a smooth, porcelain finish, and waxy bloom. It has very good flavor and a crisp, fine-grained flesh. Harvesting takes place in the middle of September. Scab lesions have not been observed on the leaves or fruit of this new variety.

Advantages:

-Crisp, fine-grained flesh

-Scab lesions have not been observed on the leaves or fruit

Potential Applications:

-Apple growers

TRL: 6

Intellectual Property:

N/A, N/A, N/A

Keywords: apple scab resistance, fungal disease resistance, disease resistant apple, new apple variety, yellow apple, crisp apple, fine-grained

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