FN3503-314 - Apple

A newly developed apple variety, FN 3503-314, offers large, good-flavored fruit with natural resistance to apple scab, reducing the need for chemical treatments.

A seedling designated as FN 3503-314 is a progeny 3503 = GoldRush x Enterprise, a cross made by Jules Janick in 1996. Seedlings derived from this cross were planted in the Old Horticulture Farm of Purdue University in 1997 in a closely spaced planting called the Fruiting Nursery. The 314th tree was first picked on October 2, 2002, and researcher notes indicate "fair, very firm." The apple was selected for propagation on February 19, 2003. It was evaluated again on October 22, 2008 and described as large, 80 percent red, with good to very good flavor. In 2009, it fruited again and evaluated on October 28, 2009 as a bicolor apple with good flavor and crunchy texture. This apple is derived from two scab resistant parents and has a 75 percent chance of having the Vf gene that confers scab resistance. Scab lesions have not been observed on the leaves or fruit.

Advantages:

-Large fruit 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 breeding, scab resistant apple, GoldRush apple, Enterprise apple, Vf gene, disease resistance, bicolor apple, new apple variety, crunchy texture, large fruit, CrimsonCrisp, GoldRush, Pixie Crunch, Sundance

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