FN3505-298 - Apple

This new, high-quality, bright red apple cultivar, derived from scab-resistant parents, offers excellent crispness, juice, and a good acid/sugar balance for commercial fruit production.

A seedling designated as FN 3503-298 is the 298th seeding from the Fruiting Nursery of 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 298th tree was first picked in 2002 on September 25 and described as a red apple about 2.75" in diameter, and subsequently evaluated in storage on Oct. 31 2002. Researcher notes indicate: "crisp flesh, very good, select." The apple was propagated by grafting on MM111 rootstock and planted at the Meigs farm on March 18, 2003. It was evaluated again in 2003 (9/29) and described as bright red-yellow with light blush, slightly acid, good. It has fruited again in 2009 and evaluated on October 15 as a large, bright red apple, with excellent quality and crispness, juicy, and with a good acid/sugar balance. This apple is derived from two scab resistant parents and has a 75% chance of having the Vf gene that confers scab resistance. Scab lesions have not been observed on the leaves or fruit.

Advantages:

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

-Juicy and has good acid/sugar balance

TRL: 6

Intellectual Property:

N/A, N/A, N/A

Keywords: Apple breeding, scab resistance, Vf gene, GoldRush, Enterprise, disease-resistant apple, MM111 rootstock, crispness, juicy, acid/sugar balance, CrimsonCrisp, GoldRush, Pixie Crunch, Sundance

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Authors
Jules Janick
Anna Whipkey

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