Frostbite aka Minnesota #447

**pH:** 3.2 - 3.4  
**Titratable Acidity:** 0.55-0.7 % Malic Acid  
**Soluble Solids:** 13 - 14 brix  

**Parentage:**  
op Malinda sdlg

**Released by:**  
P. Gideon, Excelsior Fruit Breeding Farm, U of Minn, St. Paul MN.

**Date:**

**Notes:**  

-[Edible Apples in Prairie Canada](#)

It was selected and tested in Minnesota, and used for further breeding, but never formally released. The tree is only moderately vigorous, semi-dwarf, round topped, with strong, wide-angled branching. It is hardy to Zone 2a, moderately resistant to fireblight, but susceptible to freeze injury to the lower trunk in fall. The fruit is small 5-6.5 cm (2-2 1/2") in diameter, oblate, quite regular, with a medium stem cavity, shallow basin, and a long thin pedicel; and it matures in mid to late October. The skin is tough, medium green, almost entirely striped and overlaid with dark bronze-red, and often with russetting on the stem cavity. The flesh is golden yellow, exceedingly firm and very crisp, very juicy, mild and very sweet with a hint of banana flavour. It is excellent for fresh eating, (better with long storage), excellent for sauce, and excellent for juicing. It stores well for up to a full year in a proper storage facility. 

*Note: Minn 447 is very susceptible to stem end cracking, and therefore requires even moisture during the fruit enlargement and maturation stages.*  

-[Prairie Apple Cultivars, Peters](#)