

Frost tolerances - Fall 2018 #6  
October 16, 2018

**THIS IS THE FINAL UPDATE FOR THE FALL 2018 SEASON**

On October 16, most of the locations used for these tolerance updates had been harvested, including all of State Bog. At Rosebrook, only the Stevens remained unharvested and were photographed. Photos were also taken of Howes at the nearby Tihonet bog.

Fall frost tolerance is estimated based on the color of the fruit. That color development is a reflection of the internal biochemical changes in the fruit that lead to a tolerance of increasingly lower temperatures during the fall. Tolerance should be estimated by looking down into the canopy - do not remove fruit for examination. The photos below represent what you would see looking down at the fruit. Photos were taken using the camera on an iPhone.

The Howes and Stevens seen below were deep red (maroon). All varieties have reached their maximum tolerances. Stevens at Rosebrook have reached 22°F. Note that by late October, the tolerance for Stevens rises back to 23°F. Howes at Tihonet were at the stage that tolerates at least as low as 23°F. *In some years, as Howes move to deep red (maroon), they can tolerate temperatures as low as 20°F.* See photo captions for specific variety and location tolerances.

ALWAYS CHECK THE TOLERANCE ON YOUR BOGS.



Stevens, 22°F, Rosebrook Bog, 10/16.  
Deep red (maroon) stage.



Howes, 23°F, Tihonet Bog, 10/16.  
Deep red (maroon) stage.