Frost tolerances - Fall 2018 #1
September 11, 2018

On September 11, photos of Ben Lear, Stevens, Howes, and Early Black were taken at Rosebrook 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. There are two pictures of each cultivar shown below.

All cultivars had developed some red color, with the least color on Howes. Early Black, with the most color developed, a deep blush over the entire surface, were estimated to have a tolerance 26°F. The other cultivars had blush on the fruit 'shoulders', thus their tolerance was estimated to be 27°F.

ALWAYS CHECK THE TOLERANCE ON YOUR BOGS.

Early Black, 26°F, Rosebrook Bog, 9/11. Deep blush stage.

Early Black, 26°F, Rosebrook Bog, 9/11. Deep blush stage.

Howes, 27°F, Rosebrook Bog 9/11. Deep blush on exposed surfaces.

Howes, 27°F, Rosebrook Bog 9/11. Deep blush on exposed surfaces.

Ben Lear, 27°F, Rosebrook Bog 9/11. Deep blush on exposed surfaces.

Ben Lear, 27°F, Rosebrook Bog 9/11. Deep blush on exposed surfaces.

Stevens, 27°F, Rosebrook Bog 9/11. Deep blush on exposed surfaces.

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