

May 9, 2017

- ALWAYS check the tolerance at your bog [tolerance photos for all stages are shown at the end of this file]
- All cultivars at Rosebrook are at the **bud elongation** stage.
- Bud elongation tolerances are 27°F for Early Black and Howes; 29.5°F for Stevens, Ben Lear and new hybrids.
- At this stage bud scales and surrounding leaves are clearly separating and starting to grow upward and outward. Most buds are over 2mm in diameter but have somewhat of a conical appearance.
- Buds observed at State Bog on May 9rd were similar to those observed at Rosebrook.
- Next frost check scheduled for May 16th

Frost check at Rosebrook on May 9, 2017

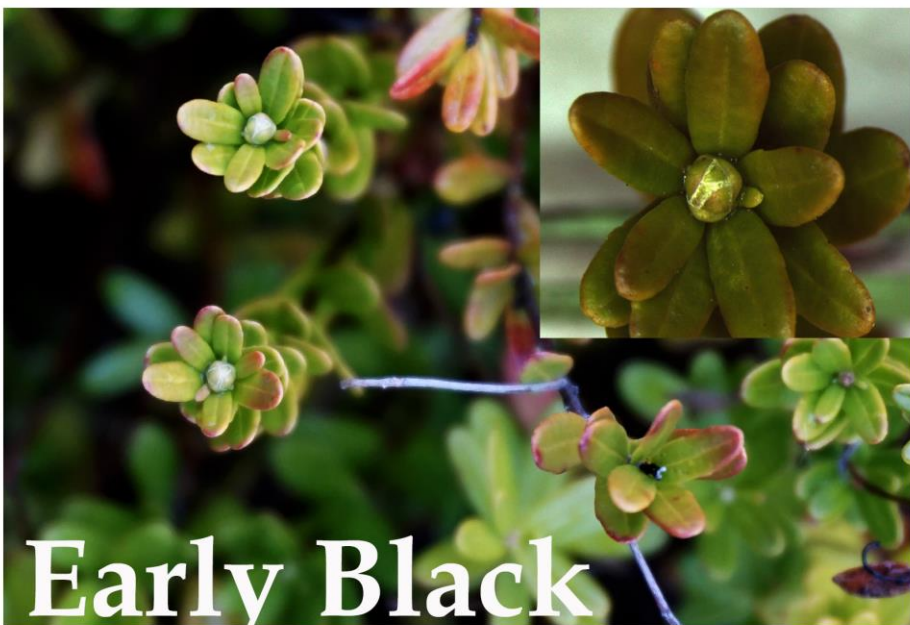
Ben Lear



Stevens

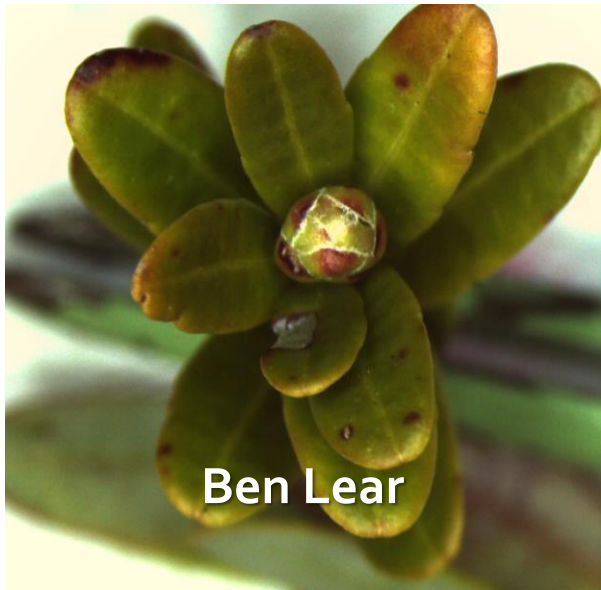


Early Black



Howes





Ben Lear



Demoranville



Crimson Queen



Mullica Queen

**Buds at State Bog
May 9, 2017
Tolerance 29.5°F**

Ben Lear (and Stevens) buds are more conical; growing outward and upward.

Buds scales and surrounding leaves are clearly separating.

Frost tolerance check protocol 2017

- Tolerance check team:
Glenn Reid, Carolyn DeMoranville [CCCGA frost committee]
Anne Cote, Patti Silvia [CCCGA frost program]
Erika Saalau Rojas, Peter Jeranyama [UMass Cranberry Station]
Other growers attend from time to time
- Visit Rosebrook Bog in Wareham:
Observe buds of Early Black, Howes, Ben Lear, Stevens
Take in-field photographs, collect buds to bring to the lab
Agree on current frost tolerance
- In the lab at the Station:
Take close up photos of buds
Cut buds and photograph
Post photos and tolerance report to the UMass Cranberry Station web site