

May 11, 2021

ALWAYS check the tolerance at your bog. A fact sheet showing all spring tolerances is available in the Frost Tolerance Reports section of the Cranberry Station website (under 2020). Access via the Frost Tolerance Report in Quick Links on the Home Page.

Hard copies are available at CCCGA and at the Station.

Tolerances provided here are determined at Rosebrook bog in Wareham and confirmed at State Bog in East Wareham.

For comparison purposes, this year we are including photos from additional locations.

- On May 11th, at Rosebrook and at State Bog, Early Black, Howes and Stevens are in early **elongation** stage; Ben Lear is fully into **elongation**.

Newer hybrids at State Bog were generally similar to Ben Lear (**elongation** stage).

Note: starting with cabbage head stage, development continues even when visual stages appear not to change. Each stage, starting with cabbage head, only lasts 5-7 days!

- Elongation stage bud tolerance for Early Black and Howes is 27°F; for Ben Lear and Stevens, and newer hybrids it is 29.5°F.
- Bud (microscope) closeups at State Bog, by Peter Jeranyama, UMass Cranberry Station; Rosebrook and Plympton photos by Erika Saalau Rojas, Ocean Spray.
- Next check is scheduled for May 14th.

Stevens, Rosebrook 5.11.21
Early Elongation stage, tolerance 29.5°F



Note: Many buds still appear to be at cabbage head stage but since 7 days have elapsed, they would also be considered 29.5°F tolerance.

Ben Lear, Rosebrook 5.11.21
Elongation stage, tolerance 29.5°F



Early Black, Rosebrook 5.11.21
Early elongation stage, tolerance 27°F



Howes, Rosebrook 5.11.21
Early elongation stage, tolerance 27°F



Bud photos, State Bog May 11, 2021

Stevens, early elongation
29.5°F



Ben Lear, elongation
29.5°F



Bud photos, State Bog May 11, 2021

Early Black, early elongation
27° F



Howes, early elongation
27° F



Note: Many buds on State Bog Early Black and Howes still have a cabbage head stage appearance. However, based on elapsed time, tolerance for these beds was considered to have moved to 27°F last week. Today, more elongation is apparent.

Bud photos, State Bog May 11, 2021

Crimson Queen, early elongation
29.5°F



Mullica Queen, elongation
29.5°F



Demoranville, early elongation stage
29.5°F



BL, Plympton
Pics taken 5/10/2021



ST, Plympton
Pics taken 5/10/2021

