

April 22, 2022 Degree days through 4/21: Dee model 168; WI simple model 131; WI complex model 150

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 April 22, **at Rosebrook**, we continued to see bud swell stage on all varieties, except Ben Lear. Ben Lear buds were at early cabbage head stage.
Note that Ben Lear buds retain a reddish coloration well into the spring but lighten in the transition from dormant to 'white bud' stage.
- Bud swell tolerance for Early Black and Howes is 22°F. Bud swell tolerance is 25°F for Stevens.
Cabbage head tolerance is 27°F for Ben Lear and newer hybrids.
- All degree day models indicate that spring dormancy has ended. The Dee model (base 44) reached 100 (white bud stage) on 4/10 and 150 (bud swell stage) on 4/15. The Wisconsin models (base 41) both passed 90 degree days (protect for 23°F) on 4/15. Field observations on 4/19 confirmed that bud swell stage was present.
- Bud closeups by Peter Jeranyama, UMass Cranberry Station; photos from the field by Erika Saalau Rojas, Ocean Spray Cranberries.
- Next check is scheduled for April 26th.



Stevens, Rosebrook 4.22.22
Bud swell stage, tolerance 25°F





Ben Lear, Rosebrook 4.22.22
Early Cabbage Head stage, tolerance 27°F



Note: this example is less advanced
than many seen on site.



Early Black, Rosebrook 4.22.22
Bud swell stage, tolerance 22°F



Note: close-ups are more advanced
than most buds seen on site.



Howes, Rosebrook 4.22.22
Bud swell stage, tolerance 22°F



Bud photos, State Bog April 21, 2022



Early Black
22° F

Howes
22°F



Bud photos, State Bog April 21, 2022



Ben Lear
Early Cabbage Head
27° F

Stevens
25° F



Bud photos, State Bog April 21, 2022

Crimson Queen
27°F



Mullica Queen
27°F



Demoranville
25-27°F



'Stevens' Site #1
Bud Swell (25°F)
Rochester, MA
4.22.2022



'Stevens' Site #2
Bud Swell (25°F)
Rochester, MA
4.22.2022



'Demoranville'
Bud Swell (25°F)
Rochester, MA
4.22.2021

