

April 19, 2022 Degree days through 4/18: Dee model 156; WI simple model 110; WI complex model 123

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 19, **at Rosebrook**, bud swell stage was seen on all varieties.
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 Ben Lear, Stevens, 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 22nd.



Stevens, Rosebrook 4.19.22
Bud swell stage, tolerance 25°F



Ben Lear, Rosebrook 4.19.22
Bud swell stage, tolerance 25°F





Early Black, Rosebrook 4.19.22
Bud swell stage, tolerance 22°F



Howes, Rosebrook 4.19.22
Bud swell stage, tolerance 22°F



Bud photos, State Bog April 19, 2022



Early Black
22° F

Howes
22° F



Bud photos, State Bog April 19, 2022



Ben Lear
25° F

Stevens
22°F (close to 25F)



Bud photos, State Bog April 19, 2022

Crimson Queen
25°F



Mullica Queen
25°F



Demoranville
25°F



'Stevens' Site #1
Bud Swell (25°F)
Rochester, MA
4.19.2022



'Stevens' Site #2 [this site appears less advanced]
White Bud (22°F)
Rochester, MA
4.19.2022



'Demoranville'
Bud Swell (25°F)
Rochester, MA
4.19.2021

