





**Figure 1.** Cold weather predictions for March 11 and 12, 2022.  
 (<https://weather.com/maps/tendayforecast>)

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***Keep alert:***

1. For nurseries, monitor your soil moisture during warm nights and days and irrigate a couple of days before the temperatures drop below 25°F. Moisture in the soil will help insulate the seedling roots.
2. Following a possible freeze injury event, monitor seedlings by outplanting at the nursery 10-20 seedlings from any families you consider freeze sensitive. Keep these seedlings until at least June of next year. This will provide an indication of whether the seedlings shipped from these same families may have freeze injury.
3. Following a possible freeze injury event, plant 5-10 seedlings from freeze sensitive families in 1 gallon pots and keep in warm location. After 7 days, gently scrape the bark 2” above and below the root collar to check for freeze injured brown tissue.

***How to check for freeze injury for outplanted seedlings:***

1. Wait for 1-2 weeks or until the temperatures have warmed up. Repeat again in several more weeks to confirm.
2. Scrape the bark away from the stem from about 2” above the root collar down into the root system. Look for light brown colored tissue which is an indication of freeze injury (Figure 2).
3. Many times the brown coloration will be limited to one side of the stem. These seedlings may survive if environmental conditions are favorable, however, first year growth will be impacted.
4. If the brown coloration covers the entire circumference of the stem, the seedling will most likely die.



**Figure 2.** Light brown colored tissue, which is an indication of freeze injury.

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