

Rethinking False Spring Risk

Glossary

False Spring: damaging freezing temperatures after budburst and before full leaf expansion

Duration of Vegetative Risk the number of days between budburst and leafout

Budburst: the timing when buds exit the dormancy phase and the first green tips are visible

Leafout: the timing when leaves are fully unfolded following budburst

Avoidance Strategies: flexible spring phenologies where plants with later budburst times or shorter durations of vegetative risk have a lower risk of exposure to false springs

Tolerance Strategies: morphological differences that reduce the risk, or extent of, ice formation during a false spring

Phenological Cues: the three major cues (i.e. winter chilling temperatures, spring warming temperatures, and daylength) and their interactions that influence budburst and leafout