

Grow Degree Days Workbook

Growing Degree Days (GDD) can allow turf management professionals to monitor heat accumulation, which translates to the development of the turf. By tracking GDD days, you are able to refine product application timing based on actual weather patterns in your area rather than a pre-determined calendar-based schedule. The model estimates when the growth suppression phase is ending, to position an application before turfgrass has a rebound of growth. By using GDD you can make applications at timings that maximise the positive effects of PRIMO EC and PRIMO MAXX.

Equation

 $GDD = ((Temperature\ Max + Temperature\ Min) \div 2) - Base\ Temperature$

Base temperature represents the temperature at which you will typically begin to see plant growth:

10°C for warm season turf

0°C for cool season turf

Cumulative GDD Target is the cumulative number of GDD we wish to reach to indicate next application:

200GDD +/-*

*200 is an excellent starting point but may require site specific adjustments

GDD Tracker

Cumulative GDD:

Date	Temp: High/Low °C		Daily GDD	Cumulative GDD

Cumulative GDD to targets such as 200 GDD have been proven effective in the consistent temperatures and day length of US golf courses. Consideration needs to be made to calibrate results with your target GDD target for individual courses, grass types and situations. Clipping volume is an excellent method to track plant growth regulation results, ask for a clipping volume workbook.





GDD Tracker

Cumulative GDD:

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