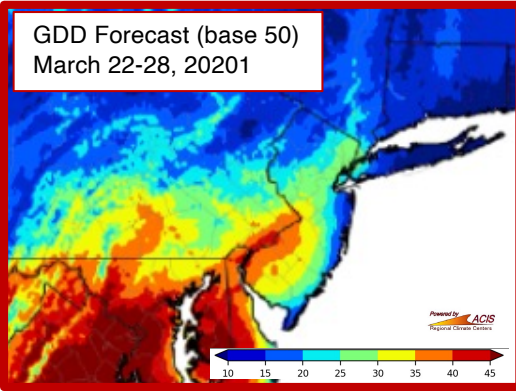


GDD Forecast (base 50)  
March 22-28, 2020



## Pest Scouting information: (25-60 Gdd<sub>50</sub>)

The information provided here gives **scouting ranges** for insect pests as well as forecasting of **GDD<sub>50</sub> accumulation predictions** to help time scouting and treatment efforts. This document supports scouting, it does not replace it. Keeping good notes on pest development will help dial in scouting and treatment efforts at your local level.

Location specific GDD<sub>50</sub> models can be obtained at:  
([USPEST.org/dd/model\\_app](http://USPEST.org/dd/model_app) and <http://newa.cornell.edu/>)

Contact Tim Waller ([twaller@njaes.rutgers.edu](mailto:twaller@njaes.rutgers.edu)) for more information

### Projected GDD50 accumulation as of

Region	Location	March 1st	April 1st	May 1st	June 1st	July 1st
Southern	Upper Deerfield (NJ50)	0	48	157	564	1241
Central	Howell / Freehold (NJ10)	0	26	107	455	1076
Northern	High Point (NJ59)	0	5	11	224	676

Forecast: NOAA NCEP Coupled Forecast System model version 2 (CFSv2) forecast system (3.5 months) (USPEST.ORG)

### Pest Scouting - Growing Degree-day Ranges

(25-60 GDD50)

Crop type	Common name	Scientific name	GGD50 Range		GDD50 Reference	Developmental / Target Stage
			MIN	MAX		
			min: 50 °F	max: 95 °F		
Conifer	Eastern spruce gall adelgid	<i>Adelges abietis</i>	25	100	3	Spring control of overwintering stage
Conifer	Northern pine weevil	<i>Pissodes approximatus</i>	25	100	4	1st adults active
Conifer	Zimmerman pine moth	<i>Dioryctria zimmermani</i>	25	100	3	1st larvae active
Conifer	Cooley spruce gall adelgid	<i>Adelges cooleyi</i>	25	120	3	Spring control of overwintering stage
Conifer	White pine weevil	<i>Pissodes strobi</i>	25	220	4	1st adults active
Shade trees	European fruit lecanium	<i>Parthenolecanium corni</i>	35	145	2	Spring control of overwintering stage
Many, evergreen	Euonymus scale	<i>Unaspis euonymi</i>	35	120	2	Spring control of overwintering stage
Conifer	European pine sawfly	<i>Neodiprion sertifer</i>	35	145	1	Hatched larvae
Conifer	Fletcher scale	<i>Parthenolecanium fletcheri</i>	35	148	2	Spring control of overwintering stage
Conifer	European pine shoot moth / borer	<i>Rhyacionia buoiana</i>	50	220	4	1st larvae active
Maples	Maple bladdergall mite	<i>Vasates quadripedes</i>	58	148	2	Spring control of overwintering stage
Honeylocust	Honeylocust plant bug	<i>Diaphnocoris chlorionis</i>	58	246	2	Nymphs / adults active
Conifer	Pine tortoise scale	<i>Toumeyella parvicornis</i>	58	148	2	Crawler activity
Conifer	Pine bark adelgid	<i>Pineus strobi</i>	58	618	2	Spring control of overwintering stage
Conifer	Balsam twig aphid	<i>Mindarus abietinus</i>	60	100	4	Egg hatch

WE **R** HERE WHEN YOU NEED US

as of 3/22/21 T. J. Waller

#### References

RU	Rutgers Cooperative Extension - IPM Notes
2	<a href="http://csetomplins.org/resources/using-growing-degree-days-for-insect-man">http://csetomplins.org/resources/using-growing-degree-days-for-insect-man</a>
3	<a href="https://extension.psu.edu/ipm-basics-for-christmas-trees#section-2">https://extension.psu.edu/ipm-basics-for-christmas-trees#section-2</a>
4	<a href="https://www.canr.msu.edu/ipm/agriculture/christmas_trees/gdd_of_conifer_t">https://www.canr.msu.edu/ipm/agriculture/christmas_trees/gdd_of_conifer_t</a>
5	<a href="https://www.agriculture.nh.gov/publications-forms/documents/landscape-pes">https://www.agriculture.nh.gov/publications-forms/documents/landscape-pes</a>
6	<a href="https://extension.umd.edu/ipm/pest-predictive-calendar-landscapenursery">https://extension.umd.edu/ipm/pest-predictive-calendar-landscapenursery</a>