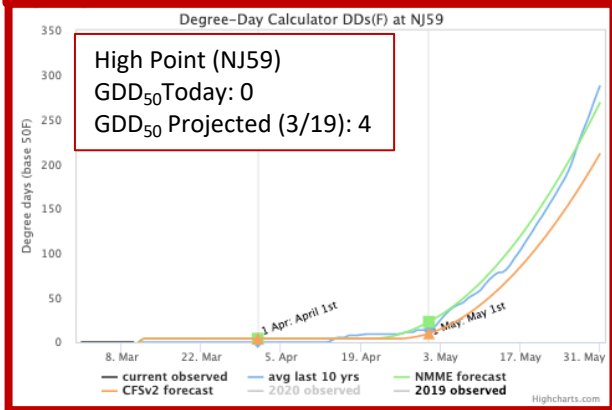
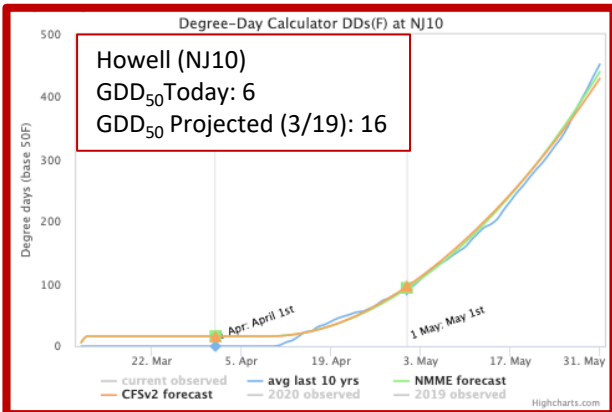
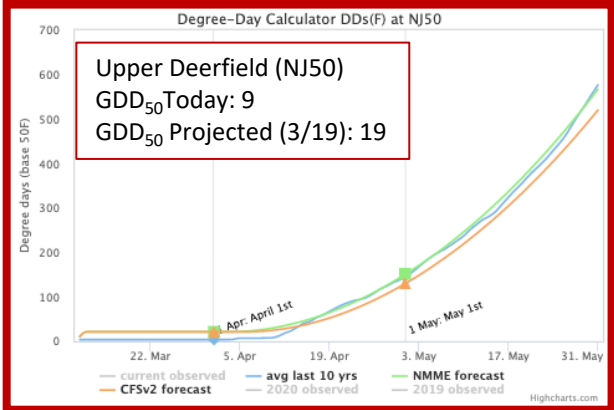
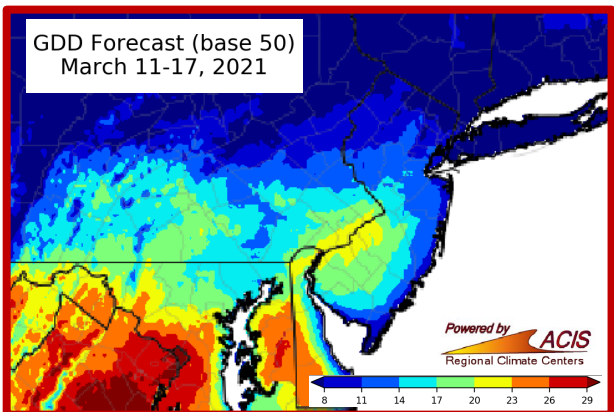


# How to use this pest scouting / growing degree-day (GDD<sub>50</sub>) information sheet:

The information provided here gives **scouting ranges** for insect pests as well as forecasting of **GDD<sub>50</sub> accumulation predictions** for the multiple regions of New Jersey. The pests listed will be listed again in future scouting range announcements as they undergo further development. The forecasting can help you know *what to scout for* and *when to have materials ready* if treatment is required. Site specific GDD<sub>50</sub> models, like those shown here can be obtained at ([USPEST.org/dd/model\\_app](http://USPEST.org/dd/model_app)). Contact Tim Waller ([twaller@njaes.rutgers.edu](mailto:twaller@njaes.rutgers.edu)) for more information.



## Pest Scouting - Growing Degree-day Ranges

Starting (0-25 GDD50)

CROP TYPE	Common name	Scientific name	GGD50 Range		GDD50 Reference	Developmental / Target Stage
			MIN	MAX		
			min: 50°F	max: 95°F		
Conifer	Conifer rust mites	Eriophyidae	7	22	4	Overwintering eggs hatch
Pomes, Stone fruit	European red mite	Panonychus ulmi	7	58	2	1st adults active
Conifer	White pine weevil	Pissodes strobi	7	58	RU	Overwintering adults become active / prevent egg laying
Deciduous	Oystershell scale	Lepidosaphes ulmi	7	91	2	Spring control of overwintering stage
Deciduous, Yew	Cottony camellia / taxus scale	Pulvinaria floccifera	7	91	5	Spring control of overwintering stage
Many	Southern red mite	Oligonychus ilicis	7	91	5	Overwintering eggs hatch
Conifer	Taxus mealybug	Dysmicoccus wistariae	7	91	2	Spring control of overwintering stage
Oaks	Kermes oak scales	Kermes spp.	7	91	2	Spring control of overwintering stage
Conifer	Elongate hemlock scale	Florinia externa	7	120	2	Spring control of overwintering stage
Many	Aphids	Aphidoidea	7	120	2	Spring control of overwintering stage
Conifer	Spruce spider mite	Oligonychus ununguis	7	121	RU	Overwintering eggs hatch
Oaks	Golden oak scale	Asterolecanium variolosum	7	121	5	Spring control of overwintering stage
Conifer	Pales weevil	Hylobius pales	7	121	RU	Overwintering adults become active / prevent egg laying
Magnoliaceae	Tuliptree scale	Toumeyella lirioidendri	12	121	2	Spring control of overwintering stage
Rhododendron, Azalea	Azalea lacebug	Stephanitis pyrioides	18	372	RU	Spring control of overwintering stage
White and Scotch Pine	White pine aphid	Cinara strobi	22	91	RU	Spring control of overwintering stage
Conifer	Pine bark adelgid	Pineus strobi	22	58	2	Spring control of overwintering stage
Magnoliaceae	Magnolia scale	Neolecanium cornuparvum	22	91	2	Spring control of overwintering stage
Conifer	Spruce bud scale	Physokermes piceae	22	120	2	Spring control of overwintering stage
Conifer	Juniper scale	Carulaspis juniperi	22	148	2	Spring control of overwintering stage
Conifer	Eastern spruce gall adelgid	Adelges abietis	25	100	3	spring control of overwintering stage
Conifer	Zimmerman pine moth	Diorctria zimmermani	25	100	3	1st larvae
Conifer	Cooley spruce gall adelgid	Adelges cooleyi	25	120	3	Spring control of overwintering stage

**WE R** HERE WHEN YOU NEED US

- References
1. Rutgers Cooperative Extension - IPM Notes
  2. <http://cctomjkins.com/resources/using-growing-degree-days-for-insect-management>
  3. [https://www.cnr.psu.edu/ipm/agriculture/christmas\\_trees/gdd\\_of\\_conifer\\_insects](https://www.cnr.psu.edu/ipm/agriculture/christmas_trees/gdd_of_conifer_insects)
  4. <https://extension.psu.edu/ipm-basics-for-christmas-trees#section-2>
  5. <https://www.agriculture.nh.gov/publications-forms/documents/landscape-pests.pdf>