Pest Scouting - Growing Degree-day Ranges							(60-150 GDD50)
CROP	Common name	Scientific name	GDD50 MIN min: 50°F	Range MAX max: 95 °F	GDD50 Reference	Developmental / Target Stage	Extension & Industry Resources
Many	Southern red mite	Oligonychus ilicis	69	157	RU	Spring hatch	tops: I felant sest addroor, integer colul root season miles was as the warm-season miles wared, tops: I frag umass edul rites (ing umass edul files/first-sheets/colf i outhersredmite pdf rites: I fentomology ces, scu. adul 2019/05/southern red-miles-active-on-ornamentals/.
Conifer	Eastern pine shoot borer	Eucosma gloriola	75	200	4	1st adults active	https://www.arbodsen.com/wp.content/uplands/Pine_Shoot_Borer.pdf https://estennion.psu.edu/pine-shoot-beetle h
Malus, Prunus, many	Eastern tent caterpillar	Malacosoma americanum	90	190	2	Larvae treatment before tents apparent	tops: // extension.unh.edu/resource/fail webworm eastern tent-caterpillar-fact sheet times // levelsension.unn.edu/und-and-gazden-innects/daztern-tent-caterpillars times // levelsension.unnd-edu/und-and-gazden-innects/daztern-tent-caterpillars times // // setternion.unnd-edu/und-innects/dazterniones-tater-caterpillars times // levelsension.gou.edu/und-setterni-tent-caterpillars times // levelsension.gou.edu/und-setterni-tent-caterpillar
Many	Gypsy moth	Lymantria dispar	90	448	RU	Larvae treatment (early instars)	Inter of Federation unit adult frest owner (propre moth fact is baset states of tenderation unit dealth fact frober (a propre moths trees trace) Federation unit adult fresh frober (a propre moths trees trace) Federation unit and will mail food (a public actions) (503.4e) states of Federation pour challe propre products trace) Federation pour challe propre products
Conifer	Cooley spruce gall adelgid	Adelges cooleyi	90	180	4	1st adults active - Douglas fir	hance Festemion colontate edu/moir areas (Innocht Scooley-soruce galls-5-534) Hance Festemion colontate edu/moir areas (Innocht Scooley-soruce galls-5-534) Hance Festemion collinois edu/mour/Index c/m 2 problem spruce-gall adelgids Hance Festemion collinois edu/mour/Index c/m 2 problem spruce-gall adelgids
Conifer	Balsam twig aphid	Mindarus abietinus	100	150	4	Stem mothers present (control target)	https://elementon.psu.edu/halism-twija-aphid https://elementon.psu.edu/halism-twija-aphid https://elementon.psu.edu/halism-twija-aphid https://psu.mass.edu/handsca.ps/fact-sheeti/halism-twija-aphid
Conifer	Pine engraver (Ips bark beetle)	Ips spp.	100	150	4	1st adults active	times I extension opus destinates and segrates beetles times I techniques consumeration emprese beetles times I techniques consumeration empreses beetles times I extension misstate adulguidit attoring publications (pp. the cather gine bank beetles
Conifer	European pine sawfly	Neodiprion sertifer	100	195	4	1st larvae active	time: I elementon ossa edul european eine samity. titos: I fine is state edul estersion inico centeri common pest-problem-sew (Turopeanii 20Pineli 205 wilh pdl. titos: I vesb estersion illinois edul frost novers i det all'inoblem elim i Pathogenii 10-79.
Pieris	Andromeda lace bug	Stephanitis takeyai	115	279	RU	Nymphs (1st generation)	Step 1 Faculty and Confirmation of the Chest Lindon mode Section (Chest Lindon Chest Lindon
Azalea	Azalea lace bug	Stephanitis pyrioides	118	372	RU	Nymphs (1st generation)	Intel Temporahate and Videos Frances I Railes, Incohen, and Vitars Vicentest can now adult a railes Lincohen, and Vitars Vicentest can now adult a railes Lincohen, and Vitars Vicentesion, sow adultace bugs con-broad is award evergreen commental plants. Vitars Vicentesion, sow adultace bugs con-broad is award evergreen commental plants.
Conifer	Larch casebearer	Coleophora laricella	120	150	4	Egg hatch	State Li News cregon god/DDF (Documents Life sest Benefin ILC_2021 and 1000 Linears credit lands to god lands age of lands
Conifer	Nantucket pine tip moth	Rhyacionia frustrana	121	448	RU	1st generation egg hatch	https://content.ces.recu.edu/manusate-tjine-tjp-moth https://estemplon.ekstate.edu/fisit-sheeti/fisintusate-tjine-tjp-moth.html https://edis.fisis.ufl.edu/m581
Birch	Birch leafminer	Fenusa pusilla	123	290	RU	Adults - egg laying	Stages / Technosion sum nedul-parts and geseline inspects (Alternatives States) headminises: Stages / Technosion such and parts headminises: Stages / Technosion such edul-resource/faisth headminiser fact sheet
Many	Gypsy moth	Lymantria dispar	145	200	4	Egg hatch, 1st larvae	Internal Contention pass and a page promotes. The page / Fag across and fundamentary first inherital / page promote The page / Fag across and enduring a for page page promotes. Treas The page / Fag across and enduring in Propose Argonove months. Treas
Holly	Holly leaf miner	Phytomyza ilicis	147	265	RU	Adults - egg laying	tings: // Jests pers advisory ratges; edu/funds ago pent orders some early spring tracests mitter/ times: // Extension and end/fungs/ Circles (rule) last minore trees, and should times: // Institute cases adu/funds/ is all minores
Many	Cankerworms, inch- worms, loopers	(many)	148	290	2	Larvae treatment	hance / Federation um adul yard and garten insacts fronting and fall-callerneoms talling / Federation with edul resource fundamentm farts bleet talling / Fag umass edul fundor apolfact sheet / canterworms
Lilac, ash, privet, many	Lilac / Ash Borer	Podosesia syringae	148	299	2	Adult flight	home I/Sq umass adulfandra polifar sheets fillar-borer alto-konum-ash-borer stops I/content can resu adulfillar-borer ash-dearwing stops I/extension colontate adulfocs I/abel (mac+1/05614 add)
Yews, Rhododendrons, many	Black Vine Weevil	Otiorhynchus sulcatus	148	400	2	Pupation / Adult emergence	tags; l'extension, una deul inter-stension una deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20Vieesi, gd tags: l'extension pour deul files le une une deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20Vieesi, gd tags: l'extension pour deul files le une une deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20Vieesi, gd tags: l'extension une deul files le demois une deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20Vieesi, gd tags: l'extension une deul files l'extension une deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20VineN-20Vieesi, gd tags: l'extension une deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20VineN-20Vieesi, gd tags: l'extension pour deul files / docs / articles / PS-809N-20013N-20Bis-ciri-20VineN-20Vin
Dogwood, many	Dogwood Borer	Synanthedon scitula	148	700	2	Adult activity	time: I revented can recur adult deputed better. time: I restriction pour adult recit insect past deputed borer. time: I restriction umd adult religitation active recit deputed borer. time: I restriction umd adult religitation description and management tiburer.
Conifer	Spruce spider mite	Oligonychus ununguis	150	175	4	1st egg hatch	state of Telemation case admit strates soften militar size of Their stemstows are called artists of Spaces against entity! state of Telematic case, recursional soften on the state of Telematic case, recursion of the Space of Telematic Case, recursion on the state of Telematic Case, recursional soften on the Space of Telematic Case, recursional soften on the Spa
Conifer	Spruce needleminer	Endothenia albolineana	150	200	4	1st larvae active	http://hostsense.cahrus.wsu.edu/Search/MainMenuWittPartSheet.aspa?Categon/de185sicCatef-88/fartDethd-958-Podremid-983 https://www.bsu.edu.gou/internee/PSE_DOCUMENTS/statepods547005.pdf https://isla.amazonaws.com/assets.cre.comeil.edu/attachments/23125/Sprice-Needleminer.pdf?1684002551
Conifer	Balsam gall midge	Paradiplosis tumifex	150	300	4 RU	Adults laying eggs	hanse / Instantion with edular source / Hise / Resource 001965 Rep6605 ppf https://estension.with.edu/resource/halsum_pall-midge-fact-sheet https://www.maine.gou/dac//mfu/forest health/insacts/halsum_pall-midge.htm
-						Rutgers Cooperative Extension - IPM Notes http://ccetompkins.org/resources/using-growing-degree-days-for-insect-management	
References					3	3 https://extension.gou.edu/igm-basics-for-christmas-treesBection-2	
					4 5	https://www.canr.msu.edu/ipm/agriculture/christmas_trees/gdd_of_conifer_insects https://www.agriculture.nh.gov/publications-forms/documents/landscape-pests.pdf	
					6	https://extension.umd.edu/ipm/pest-predictive-calendar-landscapenursery	
						https://www.canr.msu.edu/ipm/agriculture/christm	as trees/gdd of landscape insects