Early-Mid Season	n Conifer Pest Sco			egree-d	ay Ranges	(0-600 GDD50) (Zoom in to click on links)
Common name	Scientific name	GDD50		GD050 Reference	Developmental / Target Stage	Extension & Industry Resources
Conifer rust mites	Eriophyldae	min: SOF	mox 95 F	4	Overwintering eggs hatch	Tops://www.catumasedu/newritam.co.com/g.conten.tor.mbss Sace: Foreign catual public or niter to chickters tong Face: Foreign catual public or niter to chickters tong
Eastern pine weevil	Pissades nemorensis	7	58	RU	Overwintering adults become active / prevent egg laying	Tipe. (Final cent shiple) of lates with final center of lates and design demand on analysis time, desert seem, tipes (Final center) and in stem of lates and lates and lates and lates and lates time. Seem, tipes (Final center) as a council affection week or asstant other week).
Taxus mealybug	Dysmicoccus wistoriae	7	91	2	Spring control of overwintering stage	Sept. //microsologics on sales refused \$1.50 Microsoft Agency Marchest (confriendament in early began as off Microsoft Agency Marchest (confriendament in early began as off Microsoft Agency Marchest (Confriendament in early began as off Microsoft Agency Marchest (Confriendament in early began as off Microsoft Agency Marchest (Confriendament in early began as off Microsoft Agency Marchest (Confriendament in early began as off) Microsoft Agency Marchest (Confriendament in early began as off) Microsoft Agency Marchest (Confriendament in early began as off) Microsoft Agency Marchest (Confriendament in early began as off) Microsoft (
Cottony taxus scale	Pulvinaria floccifera	7	91	6	Spring control of overwintering stage	telips://content.com.occu.ada/cottorp-co-mellia-stale-1 lasts://occu.ada/cottorp-co-mellia-stale-1 lasts://occu.ada/cottorp-co-mellia-stale-1 lasts://occu.ada/cottorp-co-mellia-stale-ada/da/f/////occu.ada/da/da/f/////occu.ada/da/da/f////occu.ada/da/da/f///occu.ada/da/da/da/da/da/da/da/da/da/da/da/da/
Elongate hemlock scale	Fiorinia externa	7	120	2	Spring control of overwintering stage	part of the control o
Spruce spider mite	Oligonychus ununguis	7	121	RU	Overwintering eggs hatch	pate Liferation date about many particular and patential a
Pales weevil	Hylobius pales	7	121	RU	Overwintering adults become active /	Tipo. Terrorio de com administra de companyo de compan
White pine aphid	Cinara strobi	22	91	RU	prevent egg laying Spring control of overwintering stage	The Properties of the Properti
Pine bark adelgid	Pineus strabi	22	58	2	Spring control of overwintering stage	The Control Co
Spruce bud scale	Physokermes piceae	22	120	2	Spring control of overwintering stage	The Continues and the Continue
Juniper scale		22	148	2	Spring control of overwintering stage	Topic / Fortenic cas seem who fundamental mones! Mayor / Fortenic cas seem who fundamental mones!
Eastern spruce gall	Carulaspis juniperi Adelges abletis	25	100	3		Tipo, (Freemonians is also administrative and a second an
adelgid Northern pine weevil	Pissodes approximatus	25	100	4	spring control of overwintering stage 1st adults active	Tiggs: (Parties naterials) wins defilled (261) (All Moscolit Mood spring pall-last sheet. Ohio State-University Extension pdf. - Import Parks a service (Microsoft Mood spring pall-last sheet.) (All States and
Zimmerman pine moth	Diaryctria zimmermani	25	100	3	1st larvae active	Tipe (Frame Continue del Continue del Continue State (State State
						tipe. (Float indension wint edul/reliefe) (in mercans since math) New Theorem contains a first indension common since math) New Theorem contains a first indension common for the common since a rife in high New York with a propresentation (COMMINT Statement (STYT) and
Cooley spruce gall adelgid	Adelges cooleyi	25	120	3	Spring control of overwintering stage	Tope: (Fuels extension Illinois adult focus fuels of to Topelston resource and addings) proc. (Fuels extension procedule this pice specif) proc. (Fuels and procedule this pice specif) proc. (Fuels and pice of this pice specif) proc. (Fuels and pice of this pice specif) proc. (Fuels and pice of this pice specific pice) proc. (Fuels and pice of this pice specific pice) proc. (Fuels and pice of this pice specific pice) proc. (Fuels and pice of this pice specific pice) proc. (Fuels and pice of this pice specific pice) proc. (Fuels and pice of this pice specific pi
White pine weevil	Pissodes strobi	25	220	4	1st adults active	1900. The state of
European pine sawfly	Neodiprion sertifer Parthenolecanium	35	145	1	Hatched larvae	The control of the co
Fletcher scale European pine shoot moth	fletcheri	35	148	2	Spring control of overwintering stage	pates (Festimation with effect feeting restricts (Festimates)(0024)). Appet 72 and larger (Festimation pass deferences) are short earth. Internal Festimation pass deferences pass a feeting feetin
/ borer	Rhyacionia buolana	50	220	4	1st larvae active	pass Francousians of adviced Printers 200 was the 200 mins 200 kines as 15 days and 15 defeated 200 kines
Pine tortoise scale	Tourneyela parvicarnis	58	148	2	Cralwer activity	page. From tent can come admirphor intention state. The comment can come admirphor intention state. The comment can come admirphor intention state. The comment can come admirphor intention admirphorary admirphorar
Pine bark adelgid	Pineus strobi	58	618	2	Spring control of overwintering stage	TOP / Commission on give interest and the sharing of the commission of the commissio
Balsam twig aphid	Mindarus abietinus	60	100	4	Egg hatch	Title - Treatment are through out to the state of the sta
Eastern pine shoot borer	Eucosma glariala	75	200	4	1st adults active	pare. Personales on that the relativistic colors pare. Personales on that the relativistic colors pare. Personales on the first relativistic colors pare. Personales colors and the relativistic colors are parel to the relativistic colors and the relati
Cooley spruce gall adelgid	Adelges cooleyi	90	180	4	1st adults active - Douglas fir	The control of the co
Balsam twig aphid Pine engraver	Mindarus abietinus	100	150	4	Stem mothers present (control target)	topo (r) contracto indicade quantita e propiati respondire a contracto de contracto e de contracto de contracto de contracto respondire de contracto de contracto de contracto de contracto respondire de contracto de contracto respondire de contracto de contracto de contracto respondire respondire de contracto respondire respondire de contracto respondire de contract
(Ips bark beetle)	Ips spp.	100	150	4	1st adults active	pass provinces to a stress of the pass of
European pine sawfly	Neodiprion sertifer	100	195	4	1st larvae active	pate / hech astantion illinois adul hasta transi files alteration, ctn / hechaestic / 22 Argo: Phonous means non/2007 (Document), Firestinantia, VI. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VI. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VI. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VI. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265 Argo: Phonous means non/2007 (Document), Firestinantia, VII. 261 265
Larch casebearer	Coleophora laricella	120	150	4	Egg hatch	Tops://outent.co.co.unde/setables-goe-de-moth
Nantucket pine tip moth	Rhyacionia frustrana	121	448	RU	1st generation egg hatch	trace (Feds. Brs. of Indianal)
Gypsy moth	Lymantria dispar	145	200	4	Egg hatch, 1st larvae	tape. Freshmeion umd edulheir hodich nich visith frees. Jape Freshmeion zurd einzur edulheir hodich nich visithe frees. Jape Freshmeion zur der kningen eduler mittet. Jape Freshmeion zur der kningen eduler mittet.
Spruce spider mite	Oligonychus ununguis	150	200	4	1st egg hatch	Tage. Florested as accounting to proceed greater and a proceed greater and a proceeding and
Spruce needleminer	Endothenia albolineana	150			1st larvae active	Tops://silansanouss.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com/assiss.ce.com/al-edu/attachment/2012/5/once-haedenner.cdf7164500255 tops://silansanouss.com/assiss.ce.com
Balsam gall midge Spruce budworm	Paradiplosis tumifex	150	300	4	Adults laying eggs 1st larvae active	tions (Frame mains provided front flower health (nexts distance and modes here Hope, (Framework amenably and and parties reconstruction operate bedown application Hope, (Framework amenably and parties reconstruction provided by the control operation) Hope (Framework amenably the parties of the proposed price of the property of th
Cooley spruce gall adelgid	Charistaneura fumiferana Adelges cooleyi	200	310	4	1st galls visible - Spruce	Ingo: //natesion releases adu/ spi_ases//nace//nace//naces
Arborvitae leafminer		245			- '	Trace. These extension times entail bour finder of in Trace between response and adminds. Hope, The areas and Mandace and Res Alexen Language and entailed and a second and a
Taxus mealybug	Argyresthia thulella Dysmicoccus wistariae	245	360 618	RU	Larvae Treatments (1st generation) Adults/Crawlers	Tops://clamasseas.com/seasts.com/seasts.com/seasts.com/seasts.com/seasts
Pine sawflies (Red-	Neodiprion lecontei	246	1388	RU		There i from some advision was advision to see the some advision of the some advision of the some advision to see that other tradition.
headed) Eastern spruce gall	Adelges abietis	250	310	5	Larvae (1st generation) Egg hatch, galls begin forming (not a control	Times (Finish Its) will reduce from the Committee of the
adelgid Pine Needle Scale	Chlonaspis pinifoliae	298	448	RU	target) Crawlers (1st generation) - control target	The Contract Action of the Contract of the Con
		298	533	5		hans. Framewich assembliche needle nicht. Name Framewich aus eine Geschene vertreibnisch nicht aus non auflier on confers
Pine eriophyid mites	Eriophyldae				Typical treatment window	topes / Internation as a shall not extra caller week! Stope / That salendar was shall not be cost caller week! Stop / That salendar was shall not be controlled to the cost caller week!
Pine root collar weevil	Hylobius radicis	300	350	4	1st adults active	ange Fronteer een eeu undufdisch transerine heeft. Des Gronteer een eeu undufdisch transerine heeft. Des Gronteer en de deelen von die von deelen fille de bezentrins heeft.
Turpentine beetle	Dendroctonus terebrans	300	350	4	Parent beetles colonizing brood material	pages (Fedin d'as elle adella philosopia della d
Hemlock Woolly Adelgid	Adelges tsugae	350	350	RU	Eggs and 50% hatch	The Control of the Co
Elongate Hemlock Scale	Fiorinia externa	360	700	RU	Crawlers (1st generation)	Sizes: Files: As a of model/MEA. Size: Files: A model of MEA. Size: Files: Size: S
Larch casebearer	Coleophora laricella	363	618	2,4	Nymphs active - typical treatment window	These Oracle content and COS Characters of Assertiment's AC 2007 and These Oracles are adult to the cost of the cost of These Oracles are adult to the cost of These Oracles are and delicated on the costs These Oracles are and the costs of the costs These Oracles are and the costs of the c
Striped pine scale	Tourneyella sp. Thecodiplosis	400	500	3	Crawlers (1st generation)	tage // content one course delication condition and conditions
Pine needle midge	brachynteroides	400	500	7	Adults (1st generation)	tage Property can prove administration tradition tradition tradition tradition. The Property of the Property
Pine tortoise scale	Tourneyella parvicornis Otiorhynchus sulcatus	400	1000		Crawlers Adults treatment	New / formance case the Bright store words New / from an exceleration with each of close foliate vine word!
Black Vine Weevil		400	2800	RU	Adults treatment	The CPU A mass and collections of the other Disch wides exercit The CPU A mass and Collection of the Other Disch wides exercit The CPU A mass and CPU A ma
Hemlock looper	Lambdina fiscellaria	448	707	5	Typical treatment window Adults emerge; begin shoot feeding - control	Intel: Minuturia in infrastifications and infrastification in infrastification and in infrastification and infrast
Pine shoot beetle Pine Chafer (Anomela	Tomicus piniperda	450	500	4	target	tippe. (Francises contracts the diff Antherin Sare-Nootherin Ann) 1006 (Francis Charless deliferent laine and rase charles are solve in Christiana Sare Fields)
Beetle)	Anomala oblivia	450	600	7	Adults (1st generation)	Input Virginian cus requested manufacturing Topic Virginian Cus and a description of the Committee Commit
Maskeli scale	Lepidosaphes pallida	470		6	Crawlers (1st generation)	The American Base Shaft in comes and whole course The American Shaft in comes and American Course The American Shaft in comes (TSK) American The American Shaft in comes (TSK) American Course (TSK
European pine shoot moth Cottony camellia / taxus	Rhyacionia buoliana	480	710	5	Larvae Treatment	Sec. Protection was about the AS 1 (4511) 50% of the AS 2 (4514) 150 (400) 1
scale	Pulvinaria floccifera	520		6	Crawlers (1st generation)	tipe (F) a unexa administration files schedule francisco I administration (I) and III amendment (I) and III amendment (II) and III amendment (III) amendment (III) and III amendment (III) and III amendment (III) and III amendment (III) amendment (III) and III amendment (III) and III amendment (III) amendment (III) and III amendment (III) and III amendment (III) amendment (
Arborvitae Leafminer	Argyresthia thulella	533	700	RU	Adults (egg laying) - larvae treatments	The IAN INVESTIGATE AND TOTAL OF THE PROPERTY
Balsam gall midge	Paradiplasis tumifex	550	700	4	Galls apparent	Index Propers made production flower benchmarked and state and state and state atmospheric constructions and state atmospheric constructions.
Juniper scale	Carulaspis juniperi	550	700	7	Egg hatch	Index / restaurables on site with 46 kg/s part / restaurables part / restaurables parties part / restaurables parties parties parties parties parties / restaurables parties parties parties parties parties / restaurables parties partie
Cryptomeria scale	Aspidiatus cryptameriae Thyridapteryx	600	800	3	First crawler emergence Larvae (early instars) - ONLY CONTROL	pass Frestmints and Administration hashes breakly benefits The Committee of the Committee
Bagworm	Thyridopteryx ephemeraeformis	600	900	RU	WINDOW	pas informational dischargher sees should be common the common of the common statement and information of the common statement and information of the common sees and the common sees are common sees are common sees and the common sees are common sees are common sees and the common sees are common sees and the common sees are common seed and common sees are common seed and common sees are common seed and common sees are common seed and common sees are common seed as a common seed are common sees are common seed as a common seed as a common seed are common seed as a common seed as a common seed are common seed as a common s
Cooley spruce gall adelgid Note: Growing degree-day va	Adelges cooleyi	600 atures with a	1000	7	Nymphs active - Douglas fir (control target)	Idea Transmis and polymeration per pill added to the deep
1st in the NE USA. Provided G	lus utilize daily average air temper (a.k.a. 'base') of 50F = GDD50 (max mulated from a biofix date, such as DD50 are scouting ranges and shoul	temp. threshold lanuary or March id be truthed.	Refere	ences	2 3 4 5	The processing of the Control of the
Daily GDD50 = (Max + Min temp.) / 2 - 50 (min temp. threshold)					6 7 Univ. Del.	The Processing and what in the condition control to the condition of the c
		Compiled 5-5	z021 - Timothy	J. Waller, Ph	.D Nutgers Cooperative Extension, Cumberland	County Nursery Crops - twaller@njaes.rutgers.edu