



Conifer Weevils

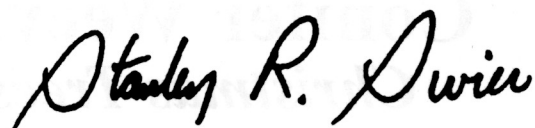
Christmas Trees

Pest
Fact
Sheet

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Pests	White Pine Weevil	Northern Pine Weevil	Pales Weevil	Pine Root Collar Weevil
Hosts	pinus (esp. eastern white), spruce, Douglas fir	pinus, spruce, Douglas-fir	pinus (esp. eastern white), spruce, Douglas-fir, hemlock, fir, juniper, arborvitae	pinus (esp. Scotch, red, jack, Australian)
Larval Feeding Stage	leader of healthy trees	fresh cut stumps, slash, stressed trees and transplants/seedlings	fresh cut stumps and trees	root collar of healthy trees
Damage from Larval Feeding	death of leader down to first whorl of branches	girdles stem, killing transplant/seedling	insignificant	girdling causes reduction of leader growth, wind-throw, and death of tree
Adult Feeding Site	bark of leader and upper tree branches	anywhere on tree or base of new transplant	bark of stumps, twigs, buds, seeding base	bark of trunk, shoots, buds
Damage from Adult Feeding	sap flow from feeding punctures; may kill leader	seedling, young transplant, or twig death	flagging of branches death of seedling	insignificant
Shape of Adult Feeding Scars	shot holes in outer bark	shot holes in outer bark	irregular patches	irregular patches
Pupation Site	under bark or inside terminal; "chip cocoons"	above ground in outer sapwood; "chip cocoons"	ground level in outer sapwood; "chip cocoons"	below ground level in soil or pitch
Adults Begin to Emerge	late July - August	July - mid August	late August - September	late July
Size of Adult	4-6 mm	5-8 mm	6-10 mm	0.6 - 12.5 mm
Size of Larva	4-6 mm	10 mm	12 mm	14-17 mm
Overwintering Stage	adults, some larvae, pupae	adults, some larvae, pupae	adults, some larvae	adults, some larvae, pupae

Stop! Read the label on every pesticide container each time before using the material. Pesticides must be applied only as directed on the label to be in compliance with the law. All pesticides listed in this publication are contingent upon continued registration. Contact the Division of Pesticide Control at (603) 271-3550 to check registration status. Dispose of empty containers safely, according to N.H. regulations.

A handwritten signature in black ink that reads "Stanley R. Swier". The script is fluid and cursive, with the first name being more prominent.

Stanley R. Swier

Extension Specialist, Entomology

Table data taken from Lehman, R. 1987. *Guide for Field Identification of Weevil Pests of Conifers in Pennsylvania*.