





Technical Bulletin for: European Pine Shoot Moth

Rhyacionia buoliana (Schiffermüller) • Lepidoptera, Tortricidae • RHYBUO



DISTRIBUTION	North Africa, North Asia, Europe North America, South America
HOSTS	Various species of Pine
DESCRIPTION	
Adult Moth	Reddish-brown with a wingspan of 18 mm.
Larvae	Dark brown with a black head, about 15 mm long.
Eggs	Yellowish-white
LIFE HISTORY	Moths emerge in late spring. Females deposit eggs on shoots on or near bases of buds or needle fascicles. The larvae mine into and hollow out the buds. As cold weather is fatal to larvae, this pest may be restricted to milder areas. A single larva may bore into more than one bud or developing shoot. Damaged shoots curl and die. The larvae mature by the end of May and pupation occurs within constructed tents. F Adults emerge about 2 or 3 weeks after pupation

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	(E)-9-Dodecenyl acetate and (E)-9-Dodecen-1-ol on a Gray Rubber Septum. Lure longevity: Four (4) weeks.	
TRAP TO USE	Red Paper or Plastic Delta Trap	
MONITORING STRATEGY	Traps should be placed in host trees about 6 feet above the ground on the outer foliage. Traps should be visible and placed in an open area. For fragile host trees, place the trap on a stake, but be sure that the trap is touching the host plant foliage. Traps should be placed after May 1 and be removed prior to July 31. There is one generation a year. Use one trap for every four acres. Check traps every other week. Check with local Forestry Service for further information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Delay Sheering - Since the young larvae are concentrated on the branch tips, pruning will effectively remove them from the trees. Most sheering operations remove enough larvae that sprays are unnecessary. Try to delay sheering until mid to late July.	

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