





Technical Bulletin for: Hickory Shuckworm

Cydia caryana (Fitch) • Lepidoptera, Tortricidae • CYDCAR



DISTRIBUTION	North America
HOSTS	Species of Pecan and Hickory.
DESCRIPTION	
ADULT MOTH	Dark brown to black in color, about 8 mm in length.
LARVAE	White or cream colored with a brown head, about 12 mm long at maturity.
EGGS	Minute, white and flattened and usually are laid on the shucks.
LIFE HISTORY	Eggs are deposited on hickory nuts and pecan buds. Larvae that are on pecans, feed in phylloxera galls in spring. Later in the season when pecan nuts are present, moths deposit eggs individually on the nuts. The egg is attached to the shuck with a creamy white substance visible on the shuck surface. The larvae hatches in a few days and burrows into the shuck to feed for about 15 to 20 days. Pupation occurs in the shuck and the moth soon emerges. Several generations are completed each year. Shuckworms overwinter as full-grown larvae in old pecan shucks on the tree or the orchard floor.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	(E,E)-8,10-Dodecadienyl acetate on a red rubber septum. Lure longevity: Four (4) weeks.	
TRAP TO USE	Red Paper or Plastic Delta Trap	
MONITORING STRATEGY	Traps should be placed about half way up the trees. They should be 7 to 9 meters off the ground in mature trees. They should only be placed in trees with good nut crop. Traps should be checked at least weekly. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROLS	Basic sanitation practices at harvest can significantly reduce local infestations the following spring. Commercial producers may till immature nuts, shucks or plant trash into a waste area on their premises, but tillage close to trees can significantly damage root systems. Backyard growers should gather and dispose of their fallen immature nuts and nut trash by deep burial or bagging this waste for the landfill.	

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