







# Technical Bulletin for: Pecan Nut Casebearer

*Acrobasis nuxvorella* (Neunzig) • Lepidoptera, *Pyralidae* • ACRNUX



<b>DISTRIBUTION</b>	Found in all major pecan growing regions of the United States.
<b>HOSTS</b>	Pecan
<b>DESCRIPTION</b>	
<b>ADULT MOTH</b>	Gray to dark gray, have a dark ridge of scales on the forewings, and are about 8.4 mm in length.
<b>LARVAE</b>	White to yellow in color and feed initially on buds. Full grown larvae are olive gray to jade green and reach about 12.7 mm in length.
<b>EGGS</b>	Eggs are white, small and oval shaped (0.36 X 0.65 mm). The eggs gradually turn reddish 3-5 days prior to hatching.
<b>LIFE HISTORY</b>	Mating and egg deposition occur during the night. The female casebearers can deposit 50 to 150 eggs during their five to eight-day life span. After pollination, the first generation of eggs are individually laid at or near the calyx lobes of nuts. Larvae feed initially on buds. As the larvae grow and move to developing nuts, they will bore into the base of one or more nuts. Black excrement (frass) and silk at the base of nuts indicates larval entry. They remain within the nut and feed for four to five weeks. Full-grown larvae will pupate inside the pecan and emerge 9 to 14 days later.

## MONITORING INFORMATION

<b>LURE ACTIVE INGREDIENTS, SUBSTRATE &amp; FIELD LIFE</b>	(E,Z)-9,11-Hexadecadienal on a Red Rubber Septum. Lure Longevity: Four (4) weeks	
<b>TRAP TO USE</b>	Red Paper or Plastic Delta or Wing Trap	  
<b>MONITORING STRATEGY</b>	As a general guide, three to five pheromone traps are sufficient in determining emergence patterns of moths. Three traps in orchards of 30 to 50 acres and five traps for orchards in excess of 50 acres should suffice. Separate traps at any given location by at least several trees. Place traps near the terminal of a nut-bearing limb at a convenient height. Place traps in the orchard three to four weeks before the expected spray date. This insures that the first moth captured represents the beginning of activity by adults. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
<b>CULTURAL &amp; PHYSICAL CONTROL</b>	None reported	

**Alpha Scents, Inc.**  
insect monitoring systems

Alpha Scents, Inc., 360 S Sequoia Pkwy. Canby, OR 97013  
TEL: 503-342-8611 • FAX: 314-271-7297 • sales@alphascents.com • www.alphascents.com