

PLANT DISEASE AND INSECT ADVISORY



Department Entomology and Plant Pathology
Oklahoma State University
127 Noble Research Center
Stillwater, OK 74078



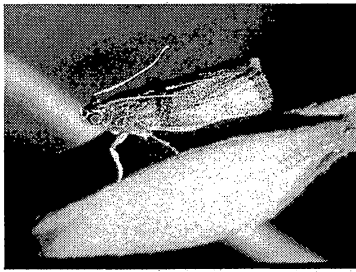
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Time to Scout for Pecan Nut Casebearer Larvae

Phil Mulder - Extension Entomologist
Richard Grantham - Director, PDIDL



Now is the time to begin scouting for pecan nut casebearer (PNC) larvae in most locations across the state. PNC moths have been common in pheromone traps across the state over the last week and oviposition (egg-laying) will begin soon (see table below). According to the Mesonet model for anticipating PNC larvae, damage may already be evident in southern Oklahoma. Degree days in Burneyville and Madill are approaching or in excess of 1800 (scouting for larvae begins at 1600). Scouting for eggs in the Bristow area this past week revealed no eggs in 300 clusters checked. This is not a surprise, even though we captured 114 total PNC moths in that same area. Degree days have been slower to add up in this area, with only 1418 degree days through 2-27-02. According to the model, scouting for eggs does not begin until we reach 1500 degree days. We anticipate that treatment for PNC will begin toward the end of May in southern Oklahoma but may be postponed to as late as the second week of June in extreme northern Oklahoma.



Crop load will, at least partially, dictate the need for controlling PNC in pecan. If the crop load is extremely heavy on cultivars that produce a large nut it may be advantageous to leave the insects and allow them to do some selective thinning for you. If this scenario is followed; however, fresh PNC pheromone traps should be hung toward the end of June to detect the second flight of moths. If numbers of moths remain low and damage does not become noticeable, then treatment for PNC can be averted for the season. This is not a practice that can be used every year, but in a heavy production year it can save the grower at least one application.

Insecticides of choice for casebearer or any other caterpillar pest (Insect Order: Lepidoptera) would include one of the following products: Confirm, Spintor, Javelin, or Dipel. This list includes those products that are safer for the applicator and gentler on beneficial organisms (predators and parasites). Many other additional products are available such as Lorsban, Imidan, or Fury; however they are not as gentle on beneficial organisms and might allow for the resurgence of secondary pests (aphids or mites).

Location	Date traps set	Date of first capture	No. of traps	Total PNC (Date)	Degree-days
Burneyville	5/1/02	5/8/02	5	5	1196
			5	16 (5/10)	1266
			5	76 (5/13)	1367
			6	168 (5/17)	1474
			6	32 (5/20)	1541
			6	29 (5/22)	1592
				(5/29)	1819
Madill	5/3/02	5/9/02	5	1	1258
			5	9 (5/11)	1318
			5	57 (5/13)	1386
			5	63 (5/15)	1428
			5	43 (5/18)	1521
			5	21 (5/20)	1564
			5	21 (5/22)	1616
	(5/29)	1845			
Bristow	5/8/02	n/a	3	114 (5/15)	1073
				(5/29)	1445
Guthrie	5/11/02	5/17/02	24	6	1117
			24	0 (5/19)	1162
			24	126 (5/22)	1241
			24	182 (5/24)	1305
			24	167 (5/27)	1384
			(5/29)	1445	

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