



Pest e-alerts



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STEPS to Generating a Pecan Nut Casebearer (PNC) Forecast

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I anticipate some early activity with pecan nut casebearer for 2017. If you have not ordered your PNC pheromone traps it is time to do so. As a general rule for southern and central Oklahoma, traps should be in the orchard during the first week of May and for northern counties during the middle of May. The key to using the pheromone traps is to have the

traps out early in order to detect the onset of a flight. The initial date of collections, when moths are collected for two consecutive nights, will act as a benchmark (biofix) for predicting egg laying (oviposition). As a general rule oviposition will start about 10 days after the biofix date nut entry can begin about 5-6 days later. Following are my suggestions for using the traps and establishing a biofix for your location. By using this approach, you must be prepared to scout extensively for either eggs and/or the very first signs of damage during the first 20 days after the biofix date.



Damage and egg

1) Set out PNC pheromone traps May 1 in southern Oklahoma, May 10 everywhere else in the state. See list of distributors at the end of this news release.

2) Monitor traps regularly – every day if possible. Once you capture PNC moths on two consecutive dates, the moth flight has begun (Table 1). This date will serve as your biofix.



PNC males on Pheromone trap

Table 1. Example trap captures of PNC male moths for three orchards.

	Number of PNC male moths captured							
	May 14	May 15	May 16	May 17	May 18	May 19	May 20	Biofix
Orchard #1	0	0	1	2	1	5	8	May 16
Orchard #2	0	0	1	0	0	3	5	May 19
Orchard #3	0	0	3	0	1	3	0	May 18

Based on the examples provided in Table 1, the biofix (first sustained moth capture) was determined to be May 16, May 19, and May 19 for orchards 1, 2, and 3, respectively.

3) Ten days after the biofix date approximately 10% of the eggs will be deposited. Thirteen days after the biofix 25% percent of the eggs will be deposited. In Orchard #1 (Table 1.) this would occur on May 29. That is the date when scouting should begin. Consult OSU fact sheet EPP-7189 under “scouting for pecan nut casebearers”. Looking for eggs is difficult but can be the first sign of whether you will have PNC problems or not. If you do not reach a treatment threshold, return 3 days later and scout for eggs and/or signs of damage. If threshold is not reached, repeat this process in another 3 days to determine if PNC infestations have reached a treatment threshold (2 infested clusters before 310 clusters have been checked). Treatment of PNC in Oklahoma is not always warranted, so it is essential to scout carefully and completely each time.



Damage from first generation PNC Larvae

4) If threshold is attained and an insecticide application is warranted, apply materials according to label directions and make every attempt to use products that are gentler on beneficial organisms (e.g. - Confirm®, Intrepid®, Javelin®, Dipel ES®, or Spintor®).

Pecan Nut Casebearer Pheromone and Traps

Advanced Pheromone Technologies, Inc.

P.O. Box 417

Marylhurst, OR 97036-0417

Ph: 315-299-2598

toll free: 877-244-9610

fax: 971-327-8407

email: infoatapt@comcast.net

Continue:

Gempler's

P.O. Box 270
100 Countryside Drive
Belleville, WI 53508
Order by Phone: 1-800-382-8473
Order by Fax: 1-800-551-1128

Great Lakes IPM Inc.

10220 Church Road
Vestaburg, MI 48891-9746
Ph: 989-268-5693 or 989-268-5911
Toll Free: 1-800-235-0285
Fax: 989-268-5693
E-mail: glipm@nethawk.com

ISCA Technologies / Moritor Technologies

P.O. Box 5266
Riverside, California 92517
United States of America
Tel: 951-686-5008
Fax: 815-346-1722
email: info@iscatech.com
Web: www.iscatech.com

Oliver Pecan Co. Inc.

1402 W. Wallace, San Saba, TX 76877
800-657-9291
E-mail: soliver@centex.net

Pape Pecan House

P.O. Box 1281
101 S. Hwy 123 Bypass
Seguin, TX 78155
Ph: 830-379-7442

Southern Nut 'n Tree Equipment, Inc and Pecan Producers, Inc.

324 SH 16 South
Goldthwaite, TX 76844
1-800-527-1825
Fax: 325-938-5490
E-mail: sales@pecans.com

Trece'
P.O. Box 129
Adair, OK 74330
Ph: 918-785-3061
Fax:: 918-785-3063
Email: custserv@trece.com
Order Center: 866-785-1313

To be included on the Pest e-Alert mailing list, please email:
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Plant Disease and Insect Diagnostic Laboratory

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