



Pest e-alerts



Entomology and Plant Pathology, Oklahoma State University
127 Noble Research Center, Stillwater, OK74078
405.744.5527

Vol. 14, No. 29

<http://entopl.okstate.edu/Pddl/>

June 4, 2015

Are Your Ears Buzzin'? Let Us Know If Periodical Cicadas are Present in Your County

Tom Royer, Extension Entomologist, Richard Grantham, Director, PDIDL, and
Eric Rebek, Extension Entomologist



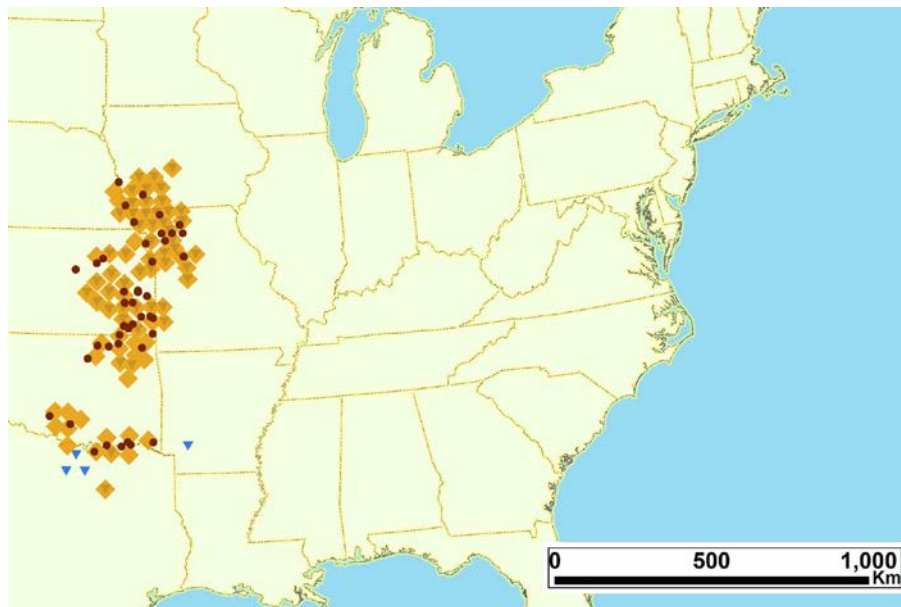
Brood IV (also known as the Kansas Brood) of the 17-year periodical cicada has emerged in Oklahoma. This insect (actually a group of 2 or 3 species in the genus *Magicicada*) is one of our longest-lived insects, and we won't see Brood IV again for another 17 years! What is even more amazing is that they spend 16 years underground and emerge for about 3-5 weeks to mate, lay eggs, and die! Brood IV is one of 16 broods of periodical cicadas that live in the U.S. Oklahoma hosts 3 broods (Brood II and Brood IV, which are 17-year species, and Brood XIX, which is a 13-year brood).

They all look very similar having bright orange-red eyes with a black body (some with orange bands on the abdomen) and orange-veined clear wings (below L). They are much smaller than our typical greenish "dog-day" cicada (below R) that we see every year.

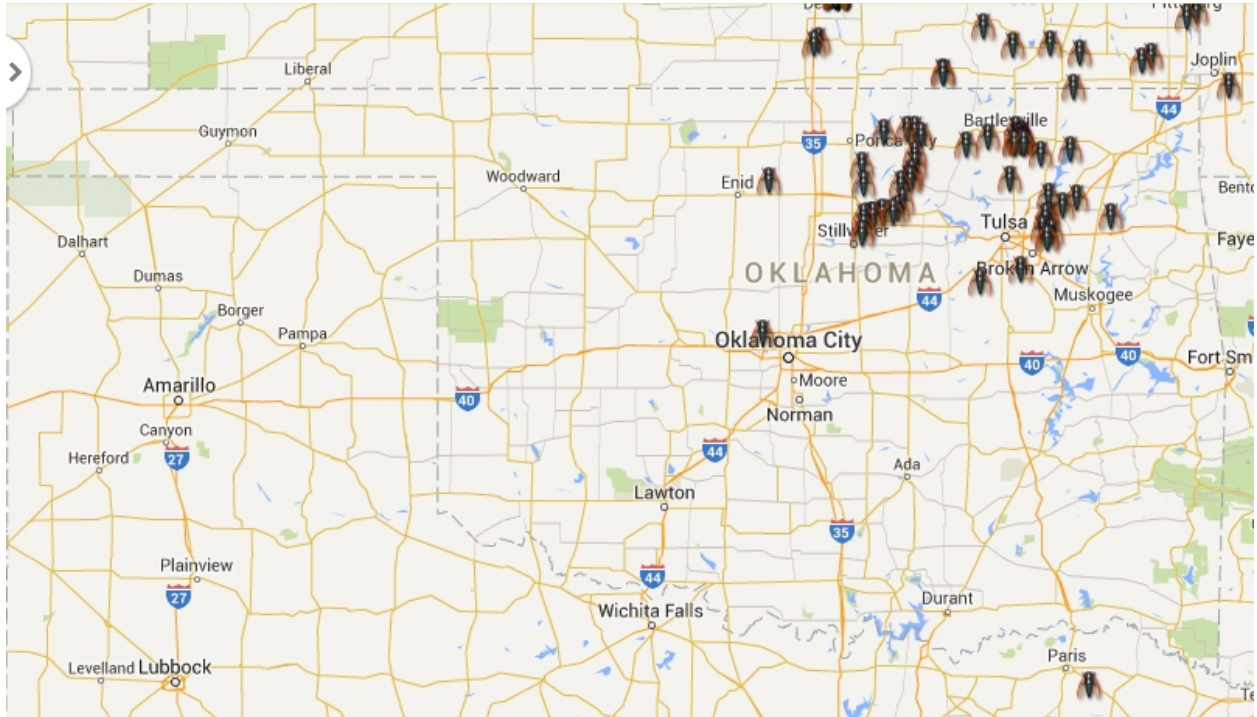


Their behavior is quite unique. They have a very precisely timed emergence (generally within 5 days of each other), emerge in huge numbers and tend to aggregate in patches of trees. Once they emerge, they make an ear-splitting cacophony of pulsing buzzing sounds during the day. They insert their eggs on tree branches, which results in some slight physical injury to the branch. This can result in “flagging” of small branches that turn brown and die. This injury does not seem to hurt older trees, but it might be a good idea to delay transplanting young trees until these cicadas die off (in about 2-3 weeks after emergence).

Our insect collection at OSU shows that we have collected Brood IV from the following counties: Bryan, Carter, Choctaw, Comanche, Cotton, Craig, Garvin, Grady, Mayes, McCurtain, Muskogee, Noble, Osage, Ottawa, Pawnee, Rogers, Stephens, Tulsa, and Washington. We want to know if they are singing in your county this year!



Historical map of their distribution in Oklahoma.



Current report of their distribution in Oklahoma ([Magiciada.org real-time reporting](http://www.magicicada.org))

The easiest way to determine their presence is to go out during the day and LISTEN! We have included a link that you can click to hear an example of their call:

http://www.magicicada.org/about/magi_sounds/m_scassini_chor.mp3

E-mail Dr. Richard Grantham richard.grantham@okstate.edu and let us know if they are singing!

Dr. Richard Grantham - Director, Plant Disease and Insect Diagnostic Laboratory

The pesticide information presented in this publication was current with federal and state regulations at the time of printing. The user is responsible for determining that the intended use is consistent with the label of the product being used. Use pesticides safely. Read and follow label directions. The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Cooperative Extension Service is implied.

Oklahoma State University, in compliance with Title VI and VII of the Civil Rights Act of 1964, Executive Order 11246 as amended, and Title IX of the Education Amendments of 1972 (Higher Education Act), the Americans with Disabilities Act of 1990, and other federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, genetic information, sex, age, sexual orientation, gender identity, religion, disability, or status as a veteran, in any of its policies, practices or procedures. This provision includes, but is not limited to admissions, employment, financial aid, and educational services. The Director of Equal Opportunity, 408 Whitehurst, OSU, Stillwater, OK 74078-1035; Phone 405-744-5371; email: eeo@okstate.edu has been designated to handle inquiries regarding non-discrimination policies: Director of Equal Opportunity. Any person (student, faculty, or staff) who believes that discriminatory practices have been engaged in based on gender may discuss his or her concerns and file informal or formal complaints of possible violations of Title IX with OSU's Title IX Coordinator 405-744-9154.

Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Director of Oklahoma Cooperative Extension Service, Oklahoma State University, Stillwater, Oklahoma. This publication is issued by Oklahoma State University as authorized by the Vice President, Dean, and Director of the Division of Agricultural Sciences and Natural Resources.