

Journal of Agricultural Entomology

Volume 2, Number 1

January, 1985

PAYNE, J. A., J. D. DUTCHER, and H C ELLIS — Low pressure soil application of carbaryl for control of the pecan weevil, <i>Curculio caryae</i>	1
LENTZ, GARY L. — Efficacy of new insecticides against the bollworm and their effects on cotton yield, maturity, and fiber properties in West Tennessee	6
TOBA, H. HAROLD — Damage to potato tubers by false wireworm larvae	13
DURANT, JOHN A. — Influence of temperature, relative humidity, date, and time of day on activity of the adult southern corn billbug on corn	20
RAFFA, KENNETH F., and THOMAS M. PRIESTER — Synergists as research tools and control agents in agriculture.....	27
KOVACH, JOE, and CLYDE S. GORSUCH — Effect of <i>Tetranychus urticae</i> populations on peach production in South Carolina.....	46
HIGLEY, L. G., and L. P. PEDIGO — Examination of some adult sampling techniques for the seedcorn maggot	52
NAVARRO, S., O. LIDER, and U. GERSON — Response of adults of the grain mite, <i>Acarus siro</i> L. to modified atmospheres	61
SCHMIDTMANN, E. T. — Face flies, <i>Musca autumnalis</i> , and ear flap behavior in Holstein cows.....	69
SNOW, J. WENDELL, T. D. EICHLIN, and J. H. TUMLINSON — Seasonal captures of clearwing moths (Sesiidae) in traps baited with various formulations of 3,13-octadecadienyl acetate and alcohol.....	73
PAYNE, GREGORY T., BARBARA J. DISNEY, and THOMAS M. BROWN — Field surveillance and laboratory selection for pyrethroid resistance in the tobacco budworm in South Carolina	85
GEORGE, D. A., and C. M. RINCKER — Results and conclusions of using pesticides with the alfalfa leafcutting bee in the production of alfalfa seed	93
NORDLUND, DONALD A. — Southeastern Biological Control Working Group Symposium	98

(continued on inside back cover)

THE JOURNAL OF AGRICULTURAL ENTOMOLOGY

Volume 2 • Number 1 • January 1985

The *Journal of Agricultural Entomology* is published under the auspices of the South Carolina Entomological Society, Inc., at Clemson, SC. The *Journal* publishes contributions of original research concerning insects and other arthropods of agricultural importance (including those affecting livestock and poultry). The *Journal* is particularly dedicated to the timely publication of articles and notes pertaining to applied entomology, although it will accept suitable contributions of a fundamental nature related to agricultural entomology.

A subscription to the *Journal* automatically accompanies membership in the South Carolina Entomological Society. For information on the *Journal* or Society, contact the Secretary-Treasurer, SCES, P.O. Box 582, Clemson, SC 29633.

Contributing authors should consult the latest issue of the *Council of Biology Editors (CBE) Style Manual, a Guide for Authors, Editors, and Publishers in the Biological Sciences* and submit an original and three copies of all manuscripts typed double spaced to the Editor, *Journal of Agricultural Entomology*, P.O. Box 582, Clemson, SC 29633. **An abstract, 3-10 key words, and a running head must be included with each manuscript.** All measurements should be given in metric or in metric and English units. A charge of \$40.00 per page will be made. This is an average figure which includes photographs, simple tables and figures, partial pages, etc. (Complicated or excessive tables, photographs, and figures might be subject to a \$5.00-20.00/page surcharge. Page charges are subject to change without notice.)

For information on prevailing page charges and charges for immediate publication, advertising rates, cost of reprints, etc., contact the Business Manager.

Editorial Committee

Editor: T. R. Adkins, Jr., Dept. of Entomology, Clemson Univ., Clemson, SC 29634

Technical Editor: J. K. Reed, P.O. Box 425, Fairview, NC 28730

Business Manager: W. P. DuBose III, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

Assoc. Business Manager: T. E. Skelton, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

Associate Editors:

D. R. Alverson, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

T. M. Brown, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

G. R. Carner, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

C. S. Gorsuch, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

J. F. Grant, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

D. G. Manley, Pee Dee Research and Education Center, Florence, SC 29503

R. Noblet, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

T. E. Skelton, Dept. of Entomology, Clemson Univ., Clemson, SC 29634

Advisory Committee:

F. M. Diaz, R. M. Cooper Library, Clemson Univ., Clemson, SC 29634

C. A. Thomas, Jr., Mobay Chemi. Corp., Agric. Chemi., Divi., 300 Highland Dr., Clemson, SC 29631

Assoc. Editors, Assoc. Business Manager, Business Manager, and Technical Editor

NOTE: Statements in the *Journal of Agricultural Entomology*, whether fact or opinion, are the sole responsibility of the authors. Mention of a commercial product does not constitute endorsement by the South Carolina Entomological Society.

INDEX (Continued)

GRANT, JEROME F., and MERLE SHEPARD — Techniques for evaluating predators for control of insect pests.....	99
SPURR, HARVEY W., JR. — Bioassays — Critical to biocontrol of plant disease.....	117
TEBEEEST, DAVID O. — Techniques for testing and evaluating plant pathogens for weed control	123
ZEHR, ELDON I. — Evaluation of parasites and predators of plant parasitic nematodes.....	130
OBITUARY — Edwin Wallace King	135

Officers of the South Carolina Entomological Society, Inc.

- President: Kenneth Peeples, E.I. de Pont de Nemours and Co., 766 Shadowbrook Dr., Columbia, SC 29210
Immediate Past President: A. R. Hopkins, USDA-ARS, P.O. Box 2131, Florence, SC 29503
Vice President: Clyde Gorsuch, Dept. of Entomology, Clemson Univ., Clemson, SC 29634
Secretary-Treasurer: D. R. Alverson, Dept. of Entomology, Clemson Univ., Clemson, SC 29634
Historian: J. B. Kissam, Dept. of Entomology, Clemson Univ., Clemson, SC 29634