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Savannah Laboratory
of
Stored-Product Insects Section
Biological Sciences Branch
Marketing Research Division
Agricultural Marketing Service
United States Department of Agriculture

Brief History of the Savannah Laboratory

In 1946, the household insect research project of the Division of Insects Affecting Man and Animals was transferred from Beltsville, Md., to Savannah, Georgia. While with this Division, surveys and research work were conducted on livestock insects in addition to investigations on the control of household insects.

Several divisions of the Bureau were reorganized in 1951 and a new research division was formed at that time, known as the Division of Stored-Product Insect Investigations. Dr. Randall Latta was appointed leader of the new division and Dr. Lyman S. Henderson as first assistant.

In the Department of Agriculture reorganization of 1953, Stored-Product Insects were separated from the other entomological divisions and placed under Agricultural Marketing Service, Marketing Research Division, Biological Sciences Branch. The Savannah station lost the household insects during the reorganization to the Orlando, Florida, laboratory of the Insects Affecting Man Section, Entomology Research Division, Agricultural Research Service.

The Stored-Product Insects Section now consists of the following stations under the leadership of Dr. Randall Latta and Dr. Lyman S. Henderson as assistant section head:

Headquarters:

Beltsville, Maryland

Field Stations:

Fresno, California - Perez Simmons
Dried fruits and nuts

Houston, Texas - Hobart C. Boles
Rice and sorghum

Lee Hall, Virginia - G. L. Phillips
Surplus wheat in reserve fleet

Madison, Wis. - F. O. Marzke
Dairy products

Manhattan, Kansas - H. H. Walkden
Bulk grains and fumigation

Mesa, Arizona - G. H. Spitler
Khapra beetle

Richmond, Va. - Joseph N. Tenhet
Tobacco

Savannah, Ga. - Hamilton Laudani
Processed and manufactured products

Tifton, Ga. - D. W. La Hue
Farm-stored corn and peanuts

Watseka, Ill. - James Quinlan
Bulk-stored corn

The work of the Savannah laboratory is organized under the following projects:

Development of insect-resistant packaging

- BS 1-46 Preliminary evaluation of toxicants, repellents, and extenders for potential use in the development of insect-resistant packages. R. H. Guy and Dean F. Davis
- BS 1-47 Preliminary storage evaluation of promising treatments for the development of insect-resistant packages. George R. Swank
- BS 1-48 Evaluation of insect-resistant package treatments under simulated or practical storage conditions. George R. Swank
- BS 1-49 Evaluation of the physical resistance of packaging materials and packages to penetration and invasion by stored-product insects. George R. Swank
- BS 1-72 Development studies with insecticide formulations and application techniques for the development of insect-resistant packages. Henry A. Highland

Basic evaluation of insecticides against stored-product insects

- BS 1-50 Preliminary evaluation of insecticides and insecticidal formulations against stored-product insects. Roy Speirs

Control of insects in warehouses

- BS 1-51 Development of aerosol and mist spray formulations of promising insecticides for controlling insects in food plants, mills, and warehouses. Ben H. Kantack and Hagen B. Gillenwater
- BS 1-52 Methods, rate, and frequency of application of aerosols and mist sprays to prevent or control insect infestation in warehouses. Hagen B. Gillenwater and Ben H. Kantack
- BS 1-53 Evaluation of equipment for applying insecticides to control stored-product insects. Hagen B. Gillenwater

Protection of textiles against fabric-insect damage

- BS 1-54 Laboratory evaluation of compounds applied to wool, mohair, animal hair, and feathers for protection against damage by fabric insects. L. L. McDonald and Hamilton Laudani
- BS 1-55 Development and improvement of formulations and application techniques for EQ-53 and similar mothproofing treatments. Roy Bry and L. L. McDonald
- BS 1-56 Development of measures for protecting textiles against fabric-insect damage while stored in containers. Roy Bry and L. L. McDonald
- BS 1-57 Evaluation under storage conditions of fabric treatments for protection against insect damage. Roy Bry and L. L. McDonald

Control of stored-product insects in food processing plants

- BS 1-73 Evaluation of insecticides for controlling and preventing insect infestations in food processing plants and the determination of food contamination which may result from their use. Inactive

Chemistry

In addition to the entomological work listed above, the chemical unit of the section is located at the station under the supervision of C. V. Bowen.

BS 1-32 Determination of chemical residues resulting from experimental treatments for the prevention and control of insects in marketing channels. C. V. Bowen

Attached is a sketch showing the various station buildings and the phase of work conducted in each.



Food-Package Evaluation Warehouse

AFPCB Meeting Room

Insecticide Evaluation Laboratory

Men's Room

Shop

Vehicle Storage and Whse. Aerosol Evaluation

Paper Coating Chemistry

STORED-PRODUCT INSECTS LABORATORY
SAVANNAH, GEORGIA

Entrance

Textile Storage

Office

Entomology Laboratory
Textiles
Paper Coatings
Repellents
Insect Rearing

Road