

# 2006-2007 Louisiana Soybean and Grain Board Funded Projects

The Louisiana Soybean and Grain Research and Promotion Board funded these projects in various LSU AgCenter departments, research stations and regions during the past year. Projects list researchers, total funding and the portions allocated from soybean funding or feed grain funding.

## Plant, Environmental and Soil Sciences

Weed Management and Biology Research in Soybeans and Corn. Dr. James L. Griffin, \$32,250 (all from soybean funding)

Small Grain Breeding, Variety Development and Testing. Dr. Steve Harrison, \$65,000 (all from feed grain funding)

Improving Soil Tests for Soybean and Grain Crops of Louisiana. Dr. Jim Wang, \$23,577 (\$11,577 soybean funding/\$12,000 feed grain funding)

Planting Date, Row Spacing and Variety Effects on Performance of Maturity Group III and IV Soybeans. Dr. James Board, \$6,000 (soybean funding)

## Biological and Agricultural Engineering

Deposition Efficiency of Pesticide Application. Dr. Roberto Barbosa, \$12,500 (soybean funding)

Continuous Microwave Extraction of Soy Isoflavones. Dr. Cristina Sabliov, \$19,000 (soybean funding)

## Communications

Louisiana Soybean and Grain Research Report. Frankie Gould, \$6,500 (\$4,500 soybean/\$2,000 grain)

## Entomology

Evaluation of Corn Borer Damage in Extension Corn Demonstrations. Dr. Jack Baldwin, \$5,000 (feed grain funding)

Management of Soybean Insect Pests. Dr. Matthew Bauer, \$57,250 (soybean funding)

Emerging Insect Pest Problems in Field Corn and Grain Sorghum. Dr. Fangneng Huang, \$15,000 (feed grain funding)

## Food Science

Extraction, Purification, and Antioxidant Properties of Soy Isoflavones from Detailed Soy Flakes. Dr. Zhimin Xu, \$20,000 (soybean funding)

## Plant Pathology and Crop Physiology

Biology and Control of Major Diseases of Soybeans. Dr. Raymond Schneider, \$77,725 (soybean funding)

Managing Mycotoxin Contamination in Louisiana Corn. Dr. Kenneth Damann, \$50,000 (feed grain funding)

Developing a New Strategy to Control Soybean Rust Disease Through a Proteomics-Based Approach. Dr. Zhi-Yuan Chen, \$62,250 (soybean funding)

## Veterinary Science

Developing Soybean Resistance to Asian Rust Pathogen. Dr. Svetlana Oard, \$25,400 (soybean funding)

## Central Region

Irrigation of Soybeans on Precision-Graded Land. Glen Daniels, \$6,474 (soybean funding)

## Dean Lee Research Station

Louisiana Soybean Verification Program 2007. Dr. David Lanclus, \$34,500 (soybean funding)

Soybean and Grain On-Farm Demonstration Program. Dr. David Lanclus, \$30,500 (\$12,950 soybean/\$17,550 grain)

Reducing Aflatoxin in Corn. Dr. Steven Moore, \$20,000 (feed grain funding)

Evaluating Early-Season Soybean Varieties for Production in Louisiana. Dr. Steven Moore, \$23,500 (soybean funding)

Evaluation of Different Levels of Soybean Hulls as a Supplement for Steer Calves from Weaning until Rye-grass Turnout. Dr. David Sanson, \$3,000 (soybean funding)

## Macon Ridge Research Station

Refining Field Corn and Grain Sorghum Insect Pest Management Strategies. Dr. B. Rogers Leonard, \$14,500 (feed grain funding)

Evaluation of Soybean Cultivars and Fungicides for Disease Management in Northeast Louisiana. Dr. Boyd Padgett, \$12,430 (soybean funding)

Evaluating Selected Insecticide Use Strategies in Louisiana Soybeans. Dr. B. Rogers Leonard, \$9,500 (soybean funding)

Wheat Disease Management in Louisiana. Dr. Boyd Padgett, \$12,283 (feed grain funding)

Managing Production Risks in Irrigated Soybeans with Planting Dates, Varieties and Row Spacing. Dr. Don Bouquet, \$20,000 (soybean funding)

## Northeast Research Station

Planting Date, Row Spacing and Variety Effects on Performance of Maturity Group III and IV Soybeans. Dr. Ernest Clawson, \$20,000 (soybean funding)

Cultural Practices That Influence Corn Yield Performance and Aflatoxin Accumulation. Dr. Henry Mascagni, \$25,000 (feed grain funding)

Cultural Practices That Influence Grain Sorghum Yield Performance. Dr. Henry Mascagni, \$12,000 (feed grain funding)

Soybean Weed Control Research. Dr. Donnie K. Miller, \$28,000 (soybean funding)

Feedgrain and Wheat Weed Control Research in Northeast Louisiana. Dr. Bill Williams, \$24,830 (feed grain funding)

## Red River Research Station

Soybean Breeding and Variety Development. Dr. Blair Buckley, \$26,013 (soybean funding)

**Total Soybean Funding \$524,819**

**Total Feed Grain Funding \$275,163**

**Total Project Funding \$799,982**