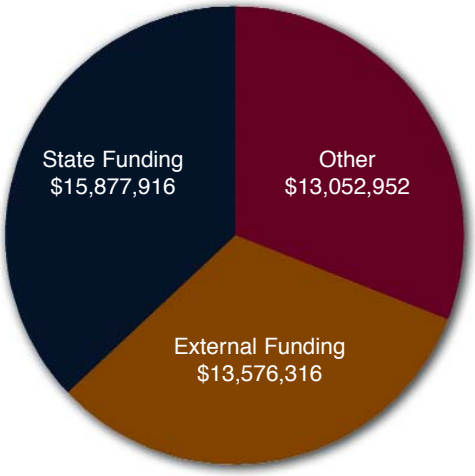
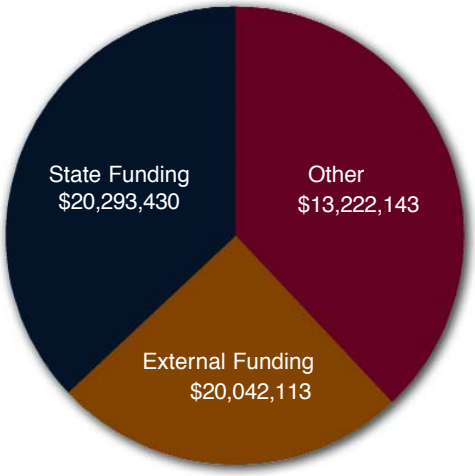
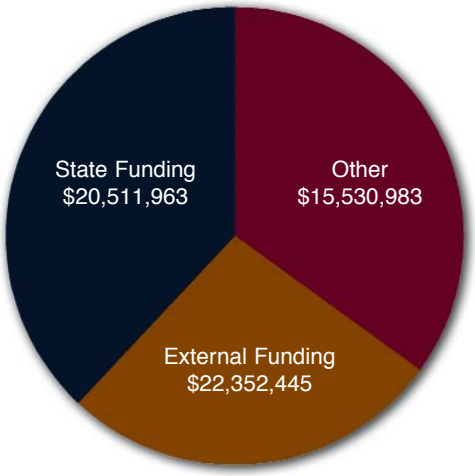


1994
Total Budget: $42,506,087



2003
Total Budget: $53,557,686



2004
Total Budget: $58,395,391

Producer Input Helps Guide Research

The ultimate goal of MAFES research is to provide support for the individuals, businesses and organizations that produce goods and services for the citizens of Mississippi. As a result, input from the users of the knowledge gained through research is important in guiding MAFES activities.

Much of that input comes from producers of the state's major agricultural crops through their service on producer advisory committees, cooperation in on-farm field trials and the activities of their commodity groups. Producers representing various commodity groups also provide direct input into the types of research they need through participation in the scientific peer-review process that decides which projects receive funding.

Producer checkoff funds from the Mississippi Soybean Promotion Board, the Mississippi Rice Promotion Board and the Mississippi Cotton Incorporated State Support Committee currently provide support for almost 40 MAFES projects. Mississippi's sweet potato and pork commodity groups also support research through their checkoff programs.

2004: Each budgeted dollar generated $1.10 in leveraged funds.

2003: Each budgeted dollar was leveraged at 95 cents.

Projects Supported by the Mississippi Soybean Promotion Board

Variety Trials

Evaluation of Private and Public Soybean Varieties and Breeding Lines for Resistance to Stem Canker, Frogeye Leaf Spot, Purple Leaf and Pod Stain, and Soybean Mosian Virus

The Effect of Slow-Release Foliar Nitrogen Fertilizer on Soybean Yield and Seed Quality

Establishment, Colonization, Toxin Production and Development of the Charcoal Rot Fungus, Macrophomina phaseolina, on Soybean During the Disease Life Cycle: Basic Biology Investigations

Impact of Foliar Fungicides, Weathering and Stinkbugs on Soybean Yield

Screening Soybean for Resistance to Charcoal Rot (Macrophomina phaseolina) and Pathogens in the Phomopsis/Diaporthe Complex

World Wide Web Access to Soybean Information in Mississippi

Utilizing Precision Planting with Reduced Seeding Rates for Improved Soybean Profitability

Improving Soybean Yield Potential Through Double Cropping and Seed Treatment

Screening Soybean Varieties for Resistance to the Soybean Cyst and Reniform Nematodes to Enhance Soybean Production

Strategies to Monitor and Control Glyphosate-resistant Weeds

Continued Improvement in Soybean Variety Selection and Decision Making System for Mississippi Soybean Growers

An Approach to Positively Shift the Production of Rainfed Soybean by Foliar Applications of Glycine Betaine

Use of Ground Raw Soybeans to Enhance Reproductive Efficiency in Swine

Projects Supported by the Mississippi Rice Promotion Board

Projects supported by the Mississippi Rice Promotion Board

Nitrogen Management for Enhancement of Breeding Line Production in the Mississippi Delta

Rice Breeding and Variety Development in Mississippi

Winter Rice Breeding Nursery in Puerto Rico

Red Rice Control

Rice Weed Control

Control of Early to Late Insect Pests of Rice in the Mississippi Delta

Evaluation of Varieties and Breeding Lines for Resistance to Rice Sheath Blight and Blast

Supplement of Rice Foundation Seed Stocks Program

Projects Supported by the Mississippi Cotton Incorporated State Support Committee

Nitrogen and Potassium Management in Cotton/Corn Rotations

Cotton Lint Yield and Fiber Quality Response to Reduced Seeding Rates

Improving Fiber Quality by Planting and Harvesting Two Varieties Together

Evaluation of Mississippi Cotton Cultivars and Breeding Lines Using an Established Reniform Nursery

Effects of Defoliation Timing on Cotton Lint Yield and Fiber Quality

Evaluation of Wide Row and Skip Row Patterns in Mississippi Cotton

Alternative Narrow Row Cotton Spindle Picker Production Systems for Improved Profitability

Tarnished Plant Bug and Stink Bug Impact on Transgenic Cotton

Development and Evaluation of Nectariless Breeding Lines for Resistance to Plant Bugs

Development of Cotton Cultivars and Breeding Line Adapted to Mississippi

Breeding Cotton for Resistance to Root Knot Nematode (Race 3) and Reniform Nematode (Rev. 2000)

Management Investigations for Reniform Nematode Suppression in Cotton and Crop Rotations and Nematicides as Methods of Economically Managing the Reniform and Root Knot Nematode in Cotton

Nitrogen Management Systems in Cotton Grown Using Conservation Tillage: A Mississippi On-Farm Research Approach

Strategies to Monitor and Control Glyphosate-Resistant Weeds

Monitoring Cotton Growth and Scheduling Plant Growth Regulator Applications Based on Remote Sensing

Can All Fungicides, Nematicides and Insecticides Needed for Early Disease, Nematode and Insect Control Be Applied to Cottonseed at Planting?

Crop Rotations and Nematicides as Methods of Economically Managing the Reniform and Root Knot Nematode in Cotton