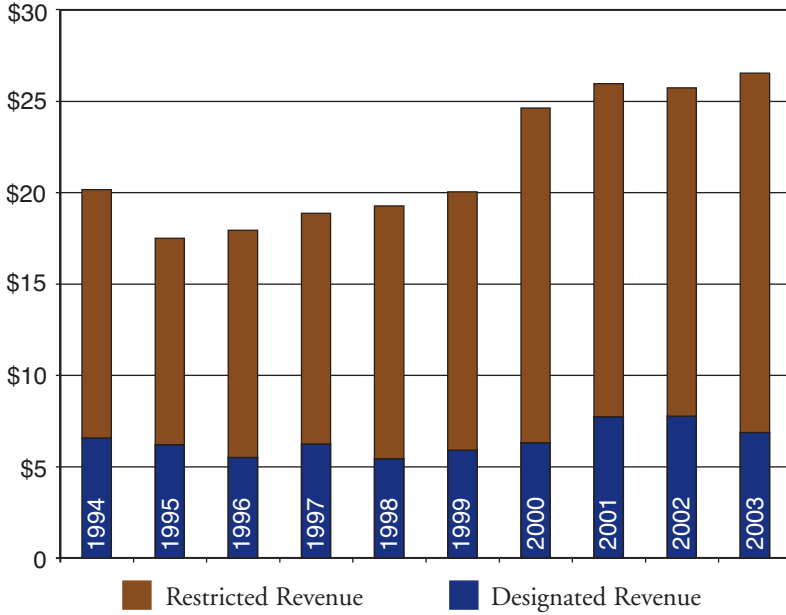
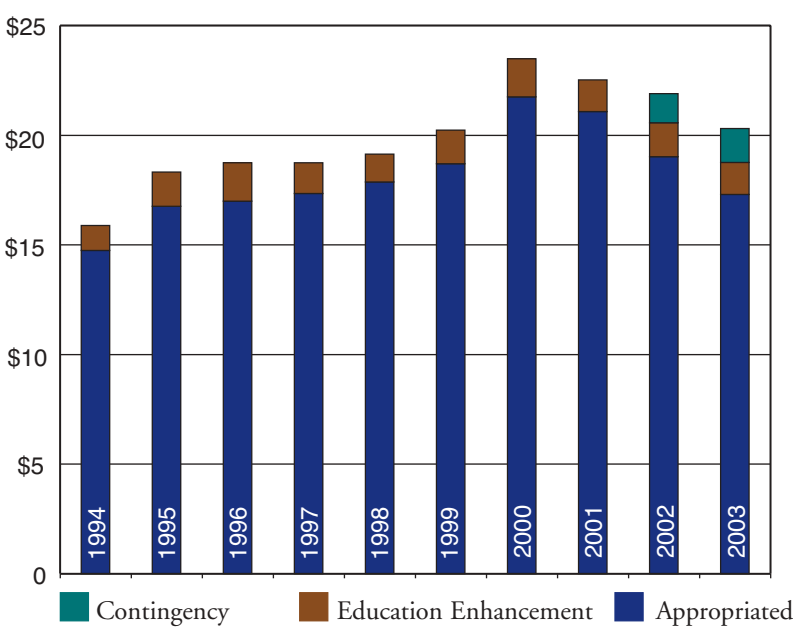


# FINANCIAL REPORTS

Millions **MAFES STATE APPROPRIATION/LEVERAGE TRENDS**



Millions **MAFES STATE APPROPRIATION TRENDS**



The goods and services produced by Mississippians engaged in production agriculture total about \$5 billion each year. Agriculture's economic impact is multiplied as producers buy the building materials, vehicles and other goods and services they need to continue operating.

Research plays an important role in keeping Mississippi agriculture profitable and competitive. Row crop producers depend on research for help in controlling the insects, weeds and other threats to their crops. The development of new, more effective vaccines and other animal health care products begins with basic research in laboratories. Management practices geared to the needs of Mississippi businesses also are the result of work by MAFES economists.

Funds appropriated by the Mississippi Legislature provide the base for MAFES research. A reputation for quality work in areas of importance helps MAFES leverage the state funds through private and federal grants and contracts to a level that keeps national and international attention focused on the research being done in the laboratories and fields around the state. In fact, the National Science Foundation ranks MSU's agricultural research program number five in the nation.

## MISSISSIPPI BUDGET



## MAFES ALLOCATION



Of every \$100 appropriated by the state Legislature, MAFES gets 50¢. By leveraging these state appropriations with external funds, MAFES has become one of the nation's top-funded agricultural research programs.

# Producer Support for Research

Producers play important roles in MAFES research by serving on producer advisory committees, providing fields for on-farm projects and through their commodity groups.

Producer checkoff funds from the Mississippi Soybean Promotion Board, the Mississippi Rice Promotion Board and the Mississippi Cotton Incorporated State Support Committee are providing support for more than 20 MAFES projects. Sweetpotato

and pork commodity groups also provide research support through their checkoff programs.

Producers representing the various commodity groups are part of a scientific peer-review process that decides which projects receive funding. This gives producers direct input into the types of research they need.



## Projects supported by the Mississippi Soybean Promotion Board

Soybean variety trials

SMART Program

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 mosaic virus

Application of information technology systems for soybean production in Mississippi

Development of production systems for enhanced profitability of soybeans in the Mid-South

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

Impact of foliar fungicides, weathering and stinkbugs on soybean yield

Inheritance of resistance to charcoal rot in soybean

Pathogen variability and virulence within the phomopsis/diaporthe complex of soybeans

Screening soybean for resistance to charcoal rot and pathogens in the phomopsis/diaporthe complex

Technology systems for access to soybean information in Mississippi



## Projects supported by the Mississippi Rice Promotion Board

Nitrogen management for optimum rice production in the Mississippi Delta on Sharkey clay soil

Rice breeding and variety development in Mississippi

Winter rice breeding nursery

Red rice control

Rice weed control

Control of rice stink bug, cattail billbug and colaspis beetle

Management and control of rice sheath blight

On-farm rice research verification

Supplement of rice foundation seed stocks program

On-farm fertility management in Mississippi rice production



## Projects supported by the Mississippi Cotton Incorporated State Support Committee

Nitrogen and potassium management in cotton/corn rotations—rotation benefits and economic impact

Cotton breeding and genetics

Cotton lint yield and fiber quality response to reduced seedling rates

Improving gross returns by optimizing fiber quality with BT/RR cotton varieties

Mississippi cotton pest monitoring program