

**Louisiana State University Agricultural Center
FY 2005-FY 2006 Plan of Work Update
of the FY 2000-FY 2004 Plan of Work**

Submitted to USDA-CSREES, April 30, 2004

The FY 2000-FY 2004 Plan of Work (POW) of the Louisiana State University Agricultural Center (LSU AgCenter) identified significant agricultural issues to be addressed in each of the five national goals and the key research, education, and outreach programs planned to be conducted, as well as the performance goals, internal and external linkages, and target audiences of these programs. The POW also described stakeholder input and merit review processes to ensure relevant, effective, and high quality programs, and multi-state and multi-function activities of the Ag Center and how these would be monitored.

This POW Update is organized according to the sections of the current POW. If the information in a section is carried forward into the POW Update without modification, the statement “No change” is made. Where there are changes in a specific section, the changes are shown in italics.

Section: THE LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER

No change

Section: LOUISIANA’S AGRICULTURE

No major change is needed in the general narrative description. The only specific changes to be made are:

Paragraph 4-Third sentence: Changed to read: “*Aquacultured crawfish, oysters, catfish, and bait minnows are the major farmed species. Economic impact of farmed aquatic species exceeds \$250 million.*”

Paragraph 5 – After second sentence: Insert “*Best Management Practices in agricultural production are stressed in a new initiative called the Master Farmer Program (MFP). The MFP has enrolled more than 1,000 farmers in its first two years. It has been at the center of a tri-state agreement signed in 2003 to share MFP expertise with Arkansas and Mississippi.*”

Section: PROGRAMS

GOAL 1

Issue, Performance Goals: No change.

Key Research, Education and Outreach Program Components:

Item 1: Changed to read “New agronomic and horticultural crops and their varieties (including potential medicinal plants) will be developed and/or evaluated for yield, *herbicide, insect, and disease* resistance, and stress tolerances and recommendations provided to producers and seed dealers statewide”

Items 2, 3: No change.

Item 4: Changed to read “Replicated comparisons of both experimental (*including transgenic*) and commercial cultivars of both agronomic and horticultural crops will be conducted and recommendations provided to producers and seed dealers statewide”

Items 5-7: No change.

Item 8: Changed to read “Cross-cutting animal research will include product processing and utilization, new product development, nutritional value and shelf-life studies, production costs, marketing strategies, feasibility of new production systems, and consumer acceptance of animal

products. *By-product and processing waste utilization research will produce substances such as antimicrobials and nutraceuticals. Research to produce transgenic animals for production of human pharmaceutical products from milk or eggs.*"

Items 9, 10: No change

Internal and External Linkages: *In first sentence, change "Research Advisory Committees" to "Exchange Groups". Add this statement as last sentence "Numerous multi-state collaborations with other land grant institutions occur for research and extension work conducted under this goal."*

Target Audiences, Program Duration: No change

Annual Allocated Resources:

LAES: 126.4 SY and \$33,320,401 (all sources); \$2,449,961 (federal)

LCES: 106.55 FTE and \$8,538,491 (all sources); \$1,762,992 (federal)

GOAL 2

Issue, Performance Goals: No change

Key Research, Education, and Outreach Program Components:

Item 1: Changed to read "Immunochemical methods and systems that will provide rapid detection of the presence of pathogens, naturally occurring toxins, and undesirable flavor constituents will be developed. *Methods will be developed to minimize or eliminate the presence of pathogens in food processing plants.*"

Item 2: Changed to read "Human pathogen removal, elimination, or neutralization systems will be developed with special emphasis on HACCP system development and training for meat and seafood processing. *Extension programs will be developed to assist Louisiana food processors with food safety compliance issues.*"

Items 3-7: No change

Internal and External Linkages, Target Audiences, Program Duration: No change

Annual Allocated Resources:

LAES: 4.5 SY and \$922,278 (all sources); \$72,928 (federal)

LCES: 7.28 FTE and \$583,390 (all sources); \$80,136 (federal)

GOAL 3

Issue, Performance Goals: No change

Key Research, Education, and Outreach Program Components:

Items 1-4: No change

Item 5: *Add "and mosquito-borne illnesses" at end of the statement.*

Internal and External Linkages, Target Audiences, Program Duration: No change

Annual Allocated Resources

LAES: 3.0 SY and \$654,483 (all sources); \$75,002 (federal)

LCES: 66.09 FTE and 5,296,188 (all sources); \$3,445,848 (federal)

GOAL 4

Issue, Performance Goals: No change

Key Research, Education, and Outreach Program Components:

Items 1,2 : No change

Item 3: Changed to read "Conduct studies to determine environmentally acceptable methods of recycling dairy wastes and poultry litter *and mortality*, conduct research and training in composting organic wastes, and assess the contaminating potential and control methods for a

wide assortment of processing wastes. *Studies will be conducted to determine alternative uses of nutrients at organic recycling laboratories.*”

Items 4-7: No change.

Add as Item 8: Continue the development and implementation of the Master Farmer Program initiated in the program year 2003 featuring inter-agency, commodity, and multi-state collaboration as a key education program related to environmental stewardship, compliance issues, watershed education, and economic development.

Internal and External Linkages, Target Audiences, Program Duration: No change

Annual Allocated Resources

LAES: 24.2 SY and \$5,670,825 (all sources); \$687,669 (federal)

LCES: 25.75 FTE and \$2,063,502 (all sources); \$320,544 (federal)

GOAL 5

Issue, Performance Goals: No change

Key Research, Education, and Outreach Program Components:

Items 1-4: No change

Add as Item 5: Explore joint venture opportunities with agricultural and related companies to bring new and emerging technologies to the marketplace.

Add as Item 6: Continue the emphasis which was started in the program year 2001 on economic development as a major extension thrust involving personnel restructuring and reallocation, and a team approach to economic development program planning, implementation, and evaluation

Internal and External Linkages, Target Audiences, Program Duration: No change

Annual Allocated Resources:

LAES: 5.2 SY and \$763,305 (all sources); \$128,593 (federal)

LCES: 171.17 FTE and \$13,716,879 (all sources); \$2,804,760 (federal)

Section: STAKEHOLDER INPUT AND MERIT REVIEW

No change in paragraphs 1-4, and 6,

Paragraph 5. Add at end of paragraph: In addition to commodity advisory committees, the LCES organized in 2003 and has continued with a regional multi-parish leadership system to obtain input on and develop program initiatives based on regional needs and issues. To follow up on its future forums effort in the year 2000, which resulted in the LCES' current strategic plan, parish-level focus groups were initiated in spring 2004 to update community residents and leaders and obtain feedback on program direction for the next five years. It is useful to note that Louisiana's state legislative auditor's office reviewed AgCenter programs in FY 2004 and commended the organization for its grass-roots programming strategy and program performance.

Section: SCIENTIFIC PEER REVIEW

Hatch, McIntire-Stennis, Animal Health, and State Research Peer Review

First paragraph changed to read “*The foundation of the peer review procedure for research project proposals in the Louisiana Agricultural Experiment Station (LAES) is the Ag Center Exchange Groups (ACE). These committees are organized along commodity lines (beef, cotton, soybeans, aquaculture, etc.) for production agriculture research and by subject matter (basic plant biology; soil, water, and environment; social and economic stability; etc.) for social and environmental research. The ACEs are composed of LAES and LCES scientists who conduct*

research and outreach on a commodity or within a discipline area. Size is variable but ranges from 4 to 20 members. Each ACE has an administrative advisor (usually a unit head), and a chairman. Scientists from Southern University, Louisiana's 1890 institution, are represented on 13 of the 29 ACEs. From this pool of scientists, reviewers are selected to evaluate LAES research project proposals and in-house publication. A complete list of the ACE groups and their membership is attached in Appendix III.

No other change in the rest of the information of this peer review process.

Multi-State Research Peer Review: No change

Academic Department and Research Station Peer Review: No change

LAES Publication Peer Review: No change

LCES Publication Peer Review: No change

Section: **MULTI-STATE ACTIVITIES**

Louisiana Agricultural Experiment Station

Changed to read "Currently, the LAES is involved in 41 multi-state projects. A list of the multi-state project numbers, LAES project numbers, project titles, termination dates, and cooperating states can be found in Appendix IV. In addition to the (25) Southern Region multi-state projects, the LAES has participating scientists in (5) North Central Region, (1) Northeast Region, and (8) Western Region multi-state projects and (2) National Research Support Projects."

Louisiana Cooperative Extension Service

Insert after fourth paragraph: A tri-state collaborative effort involving Louisiana, Mississippi and Arkansas Extension programs began in 2003. Three or four delta counties in each state were to receive collaborative programming in 1) 4-H Workforce Preparedness, 2) Childhood Obesity and 3) Community and Economic Development. In addition, the previously cited multi-state master farmer programming was initiated in 2003.

No other changes in this section.

Section: **INTEGRATED (MULTI-FUNCTION) ACTIVITIES**

Second paragraph changed to read "In order to quickly disseminate research to stakeholders, 78 joint appointments have been made in the last few years. These scientists are conducting applied research and transmitting it directly to users through county agents. These appointments are in the fields of animal science, plant science, aquaculture, and human ecology. In most cases these professionals share offices, facilities, and equipment. Additionally, a number of specialists in the LCES have adjunct appointments so they can work within the research departments and ensure a continuous flow of information from research labs and fields to stakeholders."

No other change in this section

Section: **PROJECTIONS**

**Louisiana Agricultural Experiment Station
Total Program**

FY		Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
2003	SY	126.4	4.5	3.0	24.2	5.2
	\$	\$33,320,401	\$922,278	\$654,483	\$5,670,825	\$763,305
2004	SY	124.0	6.0	4.0	26.0	5.5
	\$	\$33,320,401	\$922,278	\$654,483	\$5,670,825	\$763,305
2005	SY	122.0	6.0	4.5	27.0	5.5
	\$	\$33,962,310	\$939,994	\$666,823	\$5,777,365	\$777,285
2006	SY	120.0	6.0	4.5	27.0	5.5
	\$	\$34,616,811	\$958,058	\$679,402	\$5,885,967	\$791,532

**Louisiana Agricultural Experiment Station
Federal Component**

FY		Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
2003	SY	12.0	0.5	1.0	3.0	2.0
	\$	\$2,449,961	\$72,928	\$75,002	\$687,669	\$128,593
2004	SY	11.0	0.5	1.0	3.0	2.0
	\$	\$2,449,961	\$72,928	\$75,002	\$687,669	\$128,593
2005	SY	10.5	0.3	0.8	3.0	1.8
	\$	\$2,474,461	\$73,657	\$75,752	\$694,546	\$129,879
2006	SY	10.0	0.3	0.7	3.0	1.5
	\$	\$2,499,205	\$74,394	\$76,510	\$701,491	\$131,178

Note: SY values in this table are approximations based on the actual federal expenditures in FY 2003, the projected federal expenditures in the remainder of the table, and the average \$/SY for all LAES programs.

**Louisiana Cooperative Extension Service
Total Program**

Fiscal Year		Goal 1	Goal 2	Goal 3 ^c	Goal 4	Goal 5
2003	FTE ^a	106.55	7.28	66.09	25.75	171.17
	\$ ^b	8,538,491	583,390	4,031,995	2,063,502	13,716,879
2004	FTE	104.00	7.00	65.00	26.00	165.00
	\$ ^b	8,584,160	577,780	3,947,228	2,146,040	13,716,879
2005	FTE	104.00	7.00	60.00	25.00	164.00
	\$ ^b	8,584,160	577,780	3,547,228	2,063,500	13,536,560
2006	FTE	104.00	7.00	60.00	25.00	164.00
	\$ ^b	8,841,664	595,112	3,547,228	2,125,400	13,942,624

^a 1 FTE equals 261 person days (agents, specialists, program aides)

^b Professional FTE x \$80,136; Paraprofessional FTE x \$51,463

^c Goal 3 FTEs; Professional = 1/3rd; Paraprofessional = 2/3rds

**Louisiana Cooperative Extension Service
Federal Component**

Fiscal Year		Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
2003	FTE ^a	22.00	1.00	43.00	4.00	35.00
	\$ ^b	1,762,992	80,136	3,445,848	320,544	2,804,760
2004	FTE	20.00	1.00	41.00	4.00	35.00
	\$ ^b	1,650,800	82,540	3,384,140	330,160	2,888,900
2005	FTE	20.00	1.00	41.00	4.00	35.00
	\$ ^b	1,650,800	82,540	3,384,140	330,160	2,888,900
2006	FTE	20.00	1.00	39.00	4.00	33.00
	\$ ^b	1,700,320	85,016	3,315,624	340,064	2,805,528

^a 1 FTE equals 261 person days (agents, specialists, program aides)

^b Professional FTE x \$80,136; Paraprofessional FTE (Goal 3) x \$51,463

APPROVALS

David Boethel, Vice Chancellor for Research and Director, LAES

Paul Coreil Vice Chancellor for Extension and Director, LCES

William B. Richardson, Chancellor and Chalkley Family Endowed Chair

APPENDIX I.	ORGANIZATIONAL STRUCTURE. No change
APPENDIX II.	LSU AG CENTER STAKEHOLDER GROUPS. No change
APPENDIX III.	AG CENTER EXCHANGE GROUP LIST. <i>New list-can be supplied if needed.</i>
APPENDIX IV.	LAES MULTI-STATE RESEARCH PROJECT PARTICIPATION. <i>New list – can be supplied if needed.</i>