

# **2008 Southern University and A&M College Combined Research and Extension Annual Report of Accomplishments and Results**

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2008 Southern University and A&M College Combined Research and Extension Annual Report of Accomplishments and Results

## **I. Report Overview**

### **1. Executive Summary**

The mission of the Southern University Agricultural Research and Extension Center (SUAREC) is to conduct basic and applied research, and disseminate information to the citizens of Louisiana in a manner that is useful in addressing their scientific, technological, social, economic and cultural needs. The goal is to assist diverse audiences, who have limited social and economic resources, improve their access to positive opportunities through research and outreach education. SUAREC aims to help small-scale and limited resource farmers and ranchers develop and/or maintain viable farming operations that are in harmony with the environment, help communities build capacity to enhance the growth and development of the business and industrial sectors, and improve the quality of life for families and youth throughout the State. To ensure that clientele needs are addressed effectively, the research and extension programs target the same clients. Research projects are designed with inputs from stakeholders and the findings are specially packaged and disseminated by the extension agents. In 2005, as a result of the devastation of hurricanes Katrina and Rita, SUAREC programs reached out to many evacuees in shelters throughout the state. In FY 2007/2008, these programs continued to serve many evacuees and expanded to serve victims of hurricane Gustav. There was a strong and very close working relations among the planned programs. For instance, Youth Development Program collaborated with Sustainable Agricultural Systems Program in conducting livestock shows. The Youth Development Program also collaborated with the following planned programs: Nutrition and Health Program, Urban Forestry and Natural Resource Management Program, Economics and Community Development Program, and Family and Human Development Program. Similarly, the Family and Human Development Program collaborated with research and extension activities of the Nutrition and Health Program, Youth Development Program, and the Economic and Community Development Program. Soliciting stakeholder input is a continuous process which is embedded in the Southern University Agricultural Research and Extension Center's entire program development process. Stakeholder inputs are used to establish priorities, goals and objectives consistent with state, regional and national issues based on the land-grant philosophy. The Center holds periodic strategic planning retreats to provide a forum for sharing knowledge and information between research and extension faculty and staff and for creating a model designed to integrate both entities. As a follow up to the strategic planning conference, joint research-extension exchange meetings were held to identify critical areas which warrant research by the Center to better serve the needs of clients. Other methods of seeking inputs were: plan of work conference, parish advisory council, survey of program staff, survey of clients, parish performance and planning review, chancellor's advisory council, planned program advisory council, etc. SUAREC continued to conduct internal evaluation of all research projects to ensure that they were meeting the needs of clients. All CSREES funded programs/projects and others seeking funding were subjected to a thorough scientific and educational peer review process. Additionally, all proposals were required to show clear evidence of stakeholder input prior to approval by the Vice Chancellor for Research and/or Vice Chancellor for Extension. In order to address the state and national needs, the Southern University Agricultural Research and Extension Center placed emphasis on the following planned programs or broad areas:

- I. Sustainable Agricultural Systems
- II. Urban Forestry and Natural Resource Management
- III. Nutrition and Health
- IV. Family and Human Development
- V. Youth Development
- VI. Economic and Community Development

### **Total Actual Amount of professional FTEs/SYs for this State**

Year:2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	43.0	0.0	37.0
Actual	0.0	44.0	0.0	45.0

## **II. Merit Review Process**

### **1. The Merit Review Process that was Employed for this year**

- Internal University Panel
- Combined External and Internal University Panel
- Expert Peer Review

### **2. Brief Explanation**

SUAREC continues to conduct internal evaluation of all research projects and extension programs to ensure that they are meeting the needs of its clients. The United States Department of Agriculture/Cooperative State Research, Education, and Extension Service (USDA/CSREES) conducted a comprehensive review of the research program in 2004. The model and findings of that review continue to serve as benchmarks for merit and peer review. Additionally, as part of the Louisiana Cooperative Extension Service (LCES) agreement, extension programs and activities are reviewed annually for relevance and applicability to clients' needs by a joint team of experienced staff from both the Louisiana State University Agricultural Center (LSU AgCenter) and the Southern University Agricultural Research and Extension Center (SUAREC). Peer Review: all CSREES funded programs/projects and others seeking funding are subjected to a thorough scientific and educational peer review process. A Proposal Review and Evaluation Committee (PREC) comprising of faculty and staff from SUAREC and the greater university community is functioning effectively. It operates as a standing committee to review proposals consistent with standard agency guidelines and other established scientific and educational criteria. Proposals usually undergo strict review, scrutiny and endorsement by discipline peers, program heads, and a select review committee. Additionally, each proposal must show clear evidence of stakeholder input prior to approval by the Vice Chancellor for Research and/or Vice Chancellor for Extension. Strategic Planning: SUAREC holds periodic strategic planning retreats to provide a forum for sharing knowledge and information between research and extension faculty and staff and for creating a model designed to integrate both entities. The main outcome is the exchange of information to ensure that research and extension programs in the Center as designed are relevant to the needs of the people of Louisiana and implemented to meet and address the needs of citizens.

## **III. Stakeholder Input**

### **1. Actions taken to seek stakeholder input that encouraged their participation**

- Use of media to announce public meetings and listening sessions
- Targeted invitation to traditional stakeholder groups
- Targeted invitation to non-traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Survey specifically with non-traditional groups

### **Brief Explanation**

Soliciting stakeholder input is a continuous process which is embedded in the Southern University Agricultural Research and Extension Center's entire program development process. Stakeholder inputs are used to establish priorities, goals and objectives consistent with state, regional and national issues based on the land-grant philosophy. The Parish Advisory Council is organized at the grassroots level by each extension program to involve clients, community leaders, state and local government officials, and other stakeholders in the process of identifying community needs and/or resources, programs and projects to address them. Parish advisory council meetings are conducted at least once annually and important discussions are documented and utilized by the extension agents in developing the parish plan of work. One indication from parish surveys is that all SUAREC extension staff have functioning parish advisory councils. The Louisiana Cooperative Extension Service (LCES), annual parish review also indicates that all SUAREC extension staff do seek and obtain inputs from parish advisory councils, focus groups, public forums, clients and community leaders when planning their work. Extension Agents use information from focus groups, public forums, community leaders, and the client needs assessment to develop their plan of work. Meetings were announced using different forms of media available in the community. Agents' plans of work, needs assessment, and information from the forums are submitted to the specialists at the state office. The state specialists meet monthly with the Vice Chancellor for Extension to report on progress of work (and problems) and to review and/or revise where necessary. Additionally, joint research-extension exchange meetings are held periodically to identify critical areas that warrant research by the Center to better serve the needs of clients. Furthermore, the Chancellor's Executive Council serves to advise the Chancellor on ways that would ensure greater stakeholder input in identifying and planning meaningful, effective and efficient research, education and outreach programs to benefit the citizenry of the state of Louisiana. The Center's research and extension programs, the federal plan of work and the state strategic plan are developed based on the information received from the grassroots such as, Parish Advisory Councils, parish plan of work, the Louisiana Cooperative Extension Service, parish review team, needs assessment, evaluation studies, Strategic Planning Meeting, Joint Research-Extension Exchange Meetings, Chancellor's Executive Council, Federal and State Agencies, Commodity Organizations, and Land Grant Institutions. The Office of Planning and Evaluation conducts regular surveys of program activities. Participants/respondents at these program activities continue to provide positive feedback regarding the knowledge and skills they gain as a result of their participation in the SUAREC educational programs and activities. Data collected from these sources by the Office of Planning and Evaluation are made available to the Research and Extension administrators who in turn utilize them to plan and prioritize their program/projects to address needs/problems of Louisiana citizens.

**2(A). A brief statement of the process that was used by the recipient institution to identify individuals and groups stakeholders and to collect input from them**

**1. Method to identify individuals and groups**

- Use Advisory Committees
- Use Internal Focus Groups
- Needs Assessments
- Use Surveys

**Brief Explanation**

SUAREC extension personnel are required to establish parish advisory committees and conduct meetings to seek inputs necessary for planning their educational activities. These advisory committees involve clients, community leaders, state and local government officials, and other stakeholders in identifying community needs and/or resources, programs and projects to address them. Parish advisory council meetings are conducted regularly, and important discussions are documented and shared in the joint research-extension exchange meetings. For some planned programs, internal focus groups were used as an additional source of identifying the changing needs of the community and the citizens. Also, as part of the customer satisfaction survey, needs assessments were conducted particularly to obtain information regarding unmet needs or changing needs. In addition, SUAREC research and extension personnel conducted various activities in FY 2007/2008 such as field days, workshops, classes, trainings, livestock show, etc. Surveys were employed to seek participants' views regarding knowledge and skills gained and also to solicit their suggestions regarding the types of activities they desire in the future.

**2(B). A brief statement of the process that was used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them**

**1. Methods for collecting Stakeholder Input**

- Meeting with traditional Stakeholder groups
- Survey of traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of traditional Stakeholder individuals
- Survey specifically with non-traditional groups
- Meeting specifically with non-traditional individuals
- Meeting with invited selected individuals from the general public
- Survey of selected individuals from the general public

#### **Brief Explanation**

Stakeholder input is an important source of information for program planning at SUAREC. The parish advisory committee was the primary source of input. And to ensure quality input, the parish advisory committees were comprised of a diverse group of individuals in the community – traditional and non-traditional individuals and groups were invited to join the advisory committee. To encourage further inputs and ensure consistency, surveys were conducted at various program activities to solicit participants' opinion/suggestions regarding their needs. Traditionally, such information is used to plan and/or adjust future activities to meet these identified needs. To ensure a wide coverage, different types of media were used to advertise and publicize SUAREC activities

#### **3. A statement of how the input was considered**

- In the Budget Process
- To Identify Emerging Issues
- Redirect Extension Programs
- Redirect Research Programs
- In the Staff Hiring Process
- In the Action Plans
- To Set Priorities
- Other (Determining strategic directions)

#### **Brief Explanation**

Information from the extension agents was channeled to the extension specialists and brought for discussion at the state monthly meetings with the vice chancellor for extension. The monthly meeting is conducted as stated to include specialists (extension) from the six planned programs and the directors of special projects involving outreach education. Decisions on dealing with issues were reached and issues requiring research expertise were channeled to the vice chancellor for research at the joint research-extension exchange meeting. At the joint research-extension exchange meeting, there was information sharing on emerging issues and followed with plans of action. Critically important issues were normally brought to the attention of the Chancellor's Advisory Council which also meets monthly, for further actions. The Chancellor's Advisory Council is comprised of persons who have budgetary authority for the Center. The Louisiana Cooperative Extension Service (LCES), the joint annual meeting of the Louisiana State University Agricultural Center and the Southern University Agricultural Research and Extension Center served as the other media where stakeholders input were sought for, deliberated and strategic directions planned.

#### **Brief Explanation of what you learned from your Stakeholders**

#### **IV. Expenditure Summary**

<b>1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)</b>			
<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
0	1417464	0	1654706

**2. Totaled Actual dollars from Planned Programs Inputs**

		Extension	Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	0	1417464	0	1654706
Actual Matching	0	1417464	0	1649706
Actual All Other	0	0	0	35745
Total Actual Expended	0	2834928	0	3340157

**3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous years**

Carryover	0	0	0	0
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**V. Planned Program Table of Content**

S. NO.	PROGRAM NAME
1	I. SUSTAINABLE AGRICULTURAL SYSTEMS
2	II. URBAN FORESTRY AND NATURAL RESOURCE MANAGEMENT
3	III. NUTRITION AND HEALTH
4	IV. FAMILY AND HUMAN DEVELOPMENT
5	V. YOUTH DEVELOPMENT
6	VI. ECONOMIC AND COMMUNITY DEVELOPMENT

**Program #1****V(A). Planned Program (Summary)****1. Name of the Planned Program**

I. SUSTAINABLE AGRICULTURAL SYSTEMS

**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships		10%		10%
121	Management of Range Resources		10%		10%
205	Plant Management Systems		10%		10%
301	Reproductive Performance of Animals		15%		15%
302	Nutrient Utilization in Animals		20%		20%
307	Animal Management Systems		30%		30%
313	Internal Parasites in Animals		5%		5%
	<b>Total</b>		100%		100%

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	8.0	0.0	18.0
Actual	0.0	9.0	0.0	21.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	247670	0	842165
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	216990	0	951071
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	29745

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

1. Conducted research and experiments using cattle, goats, swine, poultry, rabbits, vegetables, pasture, forage, and other plants.
2. Continued to expand building projects, modernize facilities and acquire adequate land for research/extension programs
3. Developed products, curriculum, and resources. Conducted workshops, demonstration plots, training sessions, and one day and/or multiple field days for farmers especially small and limited resource producers.
4. Delivered services to producers and potential producers. Conduct assessment; work with media to disseminate important information to clients and stakeholders.
5. Conducted farm and site visits, field days, shows and encourage client and potential client participation.
6. Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.
7. Continued to create and enhance marketing opportunities in traditional and alternative outlets, such as farmer's markets, community supported agriculture (CSA), and other outlets.
8. Assisted producers in developing disaster plans.

## **2. Brief description of the target audience**

Our target audience included: small producers, limited resource producers, socially and economically disadvantaged individuals, the underrepresented, the underserved, women, and minorities ages 19 and above. Others are youth 7 - 18 years, policy makers, community leaders/stakeholders, interested agencies and organizations.

## **V(E). Planned Program (Outputs)**

### **1. Standard output measures**

#### **Target for the number of persons (contacts) reached through direct and indirect contact methods**

<b>Year</b>	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	25900	125000	0	0
<b>2008</b>	16370	86470	0	0

### **2. Number of Patent Applications Submitted (Standard Research Output)**

#### **Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

#### **Patents listed**

### **3. Publications (Standard General Output Measure)**

#### **Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	1	4	
2008	0	1	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- 1. Number of educational program activities

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	210	261

**Output #2****Output Measure**

- 2. Number of educational contacts

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	150900	102840

**Output #3****Output Measure**

- 3. Number of published materials distributed

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	32500	34420

**Output #4****Output Measure**

- 4. Number of research/extension publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	12	14

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes
2	2. Percentage of adoption rate for recommendations by clients

**Outcome #1****1. Outcome Measures**

- 1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	80	80

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Formal training and instruction in leadership development is a crucial skill which had not been offered to small, limited resource agricultural producers in this country. Economic crisis, especially the high cost of farm inputs during FY 2008 made it difficult for producers to compete and remain profitable. The Small Farmer Agricultural Leadership Training Institute at Southern University Ag Center was implemented to address these needs with the goal of promoting small and family farm sustainability through enhanced decision making skills and leadership development. This goal was achieved by helping farmers become better leaders while enhancing their farm management skills.

**What has been done**

The Center wrote a successful grant to provide leadership training to producers across the south eastern region. Six training workshops lasting four days were conducted in four states (Louisiana, Texas, Florida and North Carolina) to familiarize the participants in the Small with diversified farming systems. Each session had 32 producers from seven states in attendance. The training workshops each consisted of three separate/distinct components: leadership development, business management, and a tour of either a farm or an agricultural business. Other topics were, assessing your leadership potentials, effective communication strategies; conducting community needs assessments; legal issues- tax, estate planning (succession planning, heir property, etc.); setting up the farm as a legal business structure; team and organizational building, diversification as a tool of survival; risk management, networking and marketing.

**Results**

Evaluation showed the following: 100 percent of participants said they gained new knowledge and skills; 100 percent indicated that new knowledge and skills gained will be very useful; and 100 percent indicated that they will definitely use new knowledge and skills gained. Follow-up assessment indicated that four of the participants conducted leadership training sessions with over 70 farmers (in their states) attending utilizing knowledge and skills gained at the Leadership Institute. The success of this project has been overwhelming, graduates of the first class and the participants currently in the second class are making changes in the small farm communities where they live and regionally. Graduates of the Institute have been appointed to regional advisory boards; state and local advisory boards and taskforces; invited to participate on national panel discussions and as keynote speakers, one selected as 2008 Small Farmer of the Year; some farms selected to serve as model/demonstration farms for universities; assisted in the identification of other minority producers for training programs leading to organic certification and one graduate has spearheaded and chaired the two 'Saving Rural America' conferences outside Jackson, Mississippi - an outreach activity attended by over 350 people in both 2008 and 2009. Some graduates of the Agricultural Leadership Institute have initiated projects such as community cooperative, and the establishment of a slaughter house to add value to their products. One graduate and four undergraduate students gained useful knowledge about conducting research. K-12 children gained knowledge about proper ways of growing vegetables using organic methods.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
302	Nutrient Utilization in Animals
313	Internal Parasites in Animals

205	Plant Management Systems
121	Management of Range Resources
307	Animal Management Systems
301	Reproductive Performance of Animals

**Outcome #2****1. Outcome Measures**

- 2. Percentage of adoption rate for recommendations by clients

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	48	52

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Sustainable animal and plant productivity and profitability are of paramount importance to the agricultural sector of Louisiana. A wide variation exists in agricultural productivity and profitability. Small-scale producers faced the greatest challenges on generating sufficient income and being profitable. Economic profit opportunities can be realized by small agricultural producers who adopt alternative livestock and crop enterprises such as, goats, rabbits, vegetables, fruits, and herbs. Additionally, appropriate information and resources must be made available for their use in the decision making processes.

**What has been done**

Faculty and staff wrote research grants to obtain additional funding for sustainable agriculture projects. Five sustainable agriculture field days/tours were conducted with over 300 producers in attendance. Two goat field days were conducted with about 130 producers and potential producers in attendance. Research-based educational information were packaged and disseminated through extension agents to the clients. Farm visits were also conducted by research and extension personnel to see and sometimes provide 'on the spot' solutions to problems the clients may have.

**Results**

- Evans-Allen provided the leverage for obtaining additional \$1,170,000 in grant funds for research in the areas of alternative crops and agriculture waste utilization.
- Ninety percent of participants in the sustainable agriculture field days stated that they gained new knowledge and skills; 85 percent said they will certainly utilize knowledge and skills gained.
- Participants at the goat field days gained knowledge/skills about the benefits of the FAMACHA chart, used the chart and saved over \$90,000 in goat health care costs. Through the assistance of Southern University personnel, the Goat Cooperative which was incorporated in FY 2007 formally joined the Louisiana Cooperative Association in FY 2008 to ensure wider market opportunities for their products.
- Hibiscus research developed product recipes for hibiscus tea, jelly, jam, and cookies and shared with producers. Suitable varieties were selected and seeds provided to the public and to the farmers in Louisiana. Fifty farmers are actively growing hibiscus, making hibiscus-related products such as, tea, jelly, jam, and cookies and selling them in the local farmers' market.
- Some graduates of the Agricultural Leadership Institute have spearheaded community grants and have been awarded in excess of \$250,000.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
301	Reproductive Performance of Animals
205	Plant Management Systems
302	Nutrient Utilization in Animals

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

The ongoing economic crisis impacted seriously on outcomes during FY 2008. It caused the relocation of some clients, loss of property for some, changes in state appropriations, changes in program priorities, etc. In addition, natural disasters continued to inflict much havoc to the state and impacted outcomes.

**V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Comparisons between program participants (individuals, group, organizations) and non-participants

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**Program #2****V(A). Planned Program (Summary)****1. Name of the Planned Program**

II. URBAN FORESTRY AND NATURAL RESOURCE MANAGEMENT

**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
123	Management and Sustainability of Forest Resources		10%		10%
124	Urban Forestry		50%		50%
132	Weather and Climate		10%		10%
133	Pollution Prevention and Mitigation		10%		10%
403	Waste Disposal, Recycling, and Reuse		20%		20%
	<b>Total</b>		100%		100%

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	3.0	0.0	4.0
Actual	0.0	3.1	0.0	6.1

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 97723	Hatch 0	Evans-Allen 299112
1862 Matching 0	1890 Matching 95241	1862 Matching 0	1890 Matching 234547
1862 All Other 0	1890 All Other 0	1862 All Other 0	1890 All Other 2000

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Researched and quantified the environmental benefits of urban forests, carbon sequestration and the urban forest effects on air quality.
- Researched and quantified urban forest effects on UV exposure in relation to proper vegetation design. Communicated research results and other information with customers through extension personnel in the form of publications, conferences, workshops, field days, home/office visits, demonstrations and other educational resources.
- Prepared publications such as research reports and highlights based on gulf coast climate and weather studies and disseminate information to citizens through extension personnel in the form conferences, workshops, field days, home/office visits, demonstrations and other educational resources.
- Areas affected by past hurricanes and other natural disasters received specific attention to enable them rebuild their tree population.
- Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.

## **2. Brief description of the target audience**

Target audience includes all citizens such as homeowners, metro areas, garden clubs, arborists, small producers, limited resource producers, socially and economically disadvantaged, women, minorities, and communities. Others are youth (13 – 18 years and even those in grades K-8), community leaders/stakeholders, interested agencies and organizations.

## **V(E). Planned Program (Outputs)**

### **1. Standard output measures**

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
	Year	Target	Target	Target
Plan	5700	91000	0	0
2008	3310	128361	0	0

### **2. Number of Patent Applications Submitted (Standard Research Output)**

#### **Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

#### **Patents listed**

### **3. Publications (Standard General Output Measure)**

#### **Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	7	
2008	0	8	0

## **V(F). State Defined Outputs**

### **Output Target**

**Output #1****Output Measure**

- 1. Number of educational program activities

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	35	71

**Output #2****Output Measure**

- 2. Number of educational contacts

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	96700	131671

**Output #3****Output Measure**

- 3. Number of published materials distributed

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	4000	25181

**Output #4****Output Measure**

- 4. Number of research/extension publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	8	10

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes.
2	2. Percentage of adoption rate for recommendations by clients.

**Outcome #1****1. Outcome Measures**

- 1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	71

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

In September of 2008 Hurricane Gustav severely damaged many of the natural resources in the state of Louisiana. This new loss, coupled with the extreme losses resulting from hurricanes Katrina and Rita in 2005 have left home/land owners and farmers in the state of Louisiana in a state of fragility and unable to compete in many instances. With repeated natural disasters and this continued position, better management and diversification has been the primary functions of the urban forestry and natural resources management program.

**What has been done**

Research scientists and extension agents from the Center assisted small, limited resource and minority home/land owners and farmers in a variety of ways. Most notably is the technical assistance that they provide daily on topics ranging from pasture care and maintenance to beef cattle management, fire ant control, fruit and nut production, farm safety and equine management. In addition to the technical assistance, the agents conducted field days, wrote weekly newspaper articles, specialty newsletters , conducted tours, and conduct certification classes for farm and home safety and workers protection standards. In FY 2008, about 55 workshops were conducted with over 2,500 participants. Additionally, landowners were provided information on the possibilities of earning additional income by using part of their land to grow native grasses and provide a habitat for wildlife - cash for conservation.

**Results**

Six graduate and eight undergraduate students gained useful knowledge of conducting research. Overall assessment of outreach training activities indicated that 83 percent of all participants gained new knowledge and 80 percent indicated that they would utilize the knowledge and skills gained. Ninety percent of participants in the workshops are applying knowledge gained by utilizing wood wastes as mulch and to beautify their landscapes. Additionally, 95 percent said they are paying more attention to caring for their trees than previously. A DVD was created with information about cash for conservation and disseminated nationally, this information was also made available on YOU TUBE for the younger audience.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse

**Outcome #2****1. Outcome Measures**

- 2. Percentage of adoption rate for recommendations by clients.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	45	50

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

In September 2008 Hurricane Gustav severely damaged many of the natural resources in the state of Louisiana. This new loss, coupled with the extreme losses resulting from hurricanes Katrina and Rita in 2005 have left home/land owners and farmers in the state of Louisiana in a state of fragility and unable to compete in many instances. With repeated natural disasters and this continued position, better management and diversification has been the primary functions of the urban forestry and natural resources management program.

**What has been done**

Research scientists and extension agents from the Southern University Agricultural Research & Extension Center provided technical assistance to small, limited resource and minority home/land owners and farmers in the state. Topics such as surviving after an emergency, tree care, composting, mulching, pasture care and maintenance, beef cattle management, fire ant control, fruit and nut production, farm safety, etc. were discussed. Both graduate and undergraduate students assisted in this effort. Additionally, landowners were provided information on the possibilities of earning additional income by using part of their land to grow native grasses and provide a habitat for wildlife - cash for conservation.

**Results**

Six graduate and eight undergraduate students gained useful knowledge through research and made paper presentations at professional conferences. At least 75 percent of participants have utilized knowledge gained by either using leaves from trees to make compost or converting wood wastes to mulch for their homes. Over 95 percent of farmers developed emergency plans for their livestock. Additionally, 95 percent of land/home owners said they were paying more attention to caring for their trees than previously. The 'cash for conservation' DVD is being viewed nationally and internationally on YOU TUBE.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
124	Urban Forestry
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

The ongoing economic crisis impacted seriously on outcomes during FY 2008. It caused the relocation of some clients, loss of property for some, changes in state appropriations, changes in program priorities, etc. In addition, natural disasters continued to inflict much havoc to the state and impacted outcomes.

#### V(I). Planned Program (Evaluation Studies and Data Collection)

##### 1. Evaluation Studies Planned

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Case Study
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparison between locales where the program operates and sites without program intervention

##### Evaluation Results

{No Data Entered}

##### Key Items of Evaluation

{No Data Entered}

**Program #3****V(A). Planned Program (Summary)****1. Name of the Planned Program**

III. NUTRITION AND HEALTH

**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
502	New and Improved Food Products		10%		10%
701	Nutrient Composition of Food		10%		10%
702	Requirements and Function of Nutrients and Other Food Components		20%		20%
703	Nutrition Education and Behavior		20%		20%
704	Nutrition and Hunger in the Population		5%		5%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins		10%		10%
724	Healthy Lifestyle		25%		25%
	<b>Total</b>		<b>100%</b>		<b>100%</b>

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	10.0	0.0	7.0
Actual	0.0	11.0	0.0	9.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	387797	0	359985
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	377650	0	351816
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	3000

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Conducted research on the effects of diet on obesity, diabetes, hypertension, and other prevalent diseases.
- Promoted focus groups; advisory committees; mentor program; use of nutrition curriculum; school food nutrition curriculums; health tips during school activities
  - Conducted the following activities:
  - School In-Service
  - Kids Café
  - FF-NEWS
  - Faith Based Health & Aging seminar
  - After-School Health Workshops (with parent teacher association involvement)
  - Nutrition Pop-Ups on SU AgCenter website
  - Educational workshops
  - Nutrition Classes
  - Youth Health Fair
  - Adult Health Fair
  - Fitness Workshops
  - Food Demonstrations
  - Home Visits
  - Advisory Committee
  - Sisters Together
  - Food Safety seminars
- Disseminated publications such as fact sheets, newsletters, Technical bulletins, research reports, etc.
- Communicated research results, findings and other useful information with customers through extension personnel in the form of publications, conferences, workshops, home/office visits, demonstrations and other educational resources.
- Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.

## 2. Brief description of the target audience

There was a large number of low income and limited resource families in Louisiana that were found in target areas which SUAREC served. Most of these families lived below the poverty level. They lacked knowledge, information, and skills to utilize existing resources to improve their diet, nutrition, health, and quality of life. Children and adolescents placed at risk and those that were potentially at risk also benefited. Additionally, citizens with sedentary jobs who needed information on the benefits of regular physical activity and healthy lifestyles were also targeted. The SU Ag Center continued to utilize data from the Louisiana Health Report Card to identify and target other audiences.

## V(E). Planned Program (Outputs)

### 1. Standard output measures

#### Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	54000	123000	0	0
2008	42498	341154	0	0

### 2. Number of Patent Applications Submitted (Standard Research Output)

#### Patent Applications Submitted

Year      Target

Plan: 0

2008 : 0

#### Patents listed

**3. Publications (Standard General Output Measure)**

<b>Number of Peer Reviewed Publications</b>			
	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	3	
<b>2008</b>	0	4	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- 1. Number of educational program activities

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	300	1102

**Output #2****Output Measure**

- 2. Number of educational contacts

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	177000	383652

**Output #3****Output Measure**

- 3. Number of published materials distributed

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	53500	19538

**Output #4****Output Measure**

- 4. Number of research/extension publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	18	20

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes.
2	2. Percentage of clients who adopt healthy recommendations
3	3. Percentage of clients who changed behavior

**Outcome #1****1. Outcome Measures**

- 1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	80	80

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

The citizens of Louisiana were concerned about the nutritional value, quality, safety of their diets, and affordability of food. The consumer's knowledge level about the relationship of food, diet, nutrition, fitness, and disease is vital to maintaining a healthy society. According to the Center for Disease Control (CDC) and the Journal of American Medical Association (JAMA), the leading causes of death in the U.S. in 2000 were tobacco; poor diet; physical inactivity; and alcohol consumption. The 2005 Louisiana Health Report Card indicated that of 42,297 deaths in 2003, the leading (64%) causes were: diseases of the heart; cancer; stroke; accidents; and diabetes. Adult obesity in Louisiana rose from 16% in 1991 to 27% in 2004, with the largest jump seen in the 18 to 24 year old age group. Despite the increased numbers of individuals receiving governmental assistance (food stamps), there were still food insecure households in Louisiana. Louisiana ranked fourth in food insecurity and seventh in hunger-filled households nationally. Most of these households were comprised of a large percentage of young children and the elderly.

**What has been done**

In FY 2008 SUAREC conducted the following activities: research on the effects of diet on obesity, diabetes, and hypertension. Research-based health and nutrition educational information were developed and provided in ten Louisiana parishes for 135,378 direct and indirect contacts through the FF-NEWS program. Of this number, 4,645 were enrolled families, 65,950 were direct contacts (attended classes or workshops) and 64,783 were indirect contacts (received nutrition education materials such as fact sheets and other handouts). Research and outreach grants were written and submitted to specifically address tobacco issues. Focus groups, advisory committees, mentor programs, use of nutrition curriculum, health tips during school activities, school in-Service, kids cafe(c), and youth health fair were also promoted. Also, food demonstrations, publications such as fact sheets, newsletters, technical bulletins, and research reports were disseminated. Collaboration, cooperation and partnership with local, state and federal agencies, institutions, groups, and private organizations and associations were utilized in seeking and delivering services to citizens.

**Results**

An Outreach education grant for \$250,000 was received to work with communities and organizations to increase awareness of and utilization of cessation services among Louisiana citizens. Youth groups and schools were strategically targeted for the Stop Smoking Campaign. About 90 percent of youth gained new knowledge about the adverse health effects of tobacco and the steps to stop smoking. Eighty-eight percent of food safety seminar participants gained new knowledge about food safety and said that they will utilize knowledge gained. Some communities and organizations are organizing various physical activities to ensure physical fitness. Ten undergraduate students gained useful knowledge about conducting research and conducting focus group interviews. 300 undergraduate students gained new knowledge about reading and understanding nutrition labels.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products
701	Nutrient Composition of Food
702	Requirements and Function of Nutrients and Other Food Components
703	Nutrition Education and Behavior

704	Nutrition and Hunger in the Population
724	Healthy Lifestyle
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

**Outcome #2****1. Outcome Measures**

- 2. Percentage of clients who adopt healthy recommendations

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	55	60

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Citizens of Louisiana were concerned about the nutritional value, quality, safety of their diets, and affordability of food. The consumer's knowledge level about the relationship of food, diet, nutrition, fitness, and disease is vital to maintaining a healthy society. According to the Center for Disease Control (CDC) and the Journal of American Medical Association (JAMA), the leading causes of death in the U.S. in 2000 were tobacco; poor diet; physical inactivity; and alcohol consumption. The 2005 Louisiana Health Report Card indicated that of 42,297 deaths in 2003, the leading (64%) causes were: diseases of the heart; cancer; stroke; accidents; and diabetes. Adult obesity in Louisiana rose from 16% in 1991 to 27% in 2004, with the largest jump seen in the 18 to 24 year old age group. Despite the increased numbers of individuals receiving governmental assistance (food stamps), there were still food insecure households in Louisiana. Louisiana ranked fourth in food insecurity and seventh in hunger-filled households nationally. Most of these households were comprised of a large percentage of young children and the elderly.

**What has been done**

Various activities were conducted in FY 2008 including: research on the effects of diet on obesity, diabetes, and hypertension. Research and outreach grants were written and submitted to specifically address tobacco issues. Focus groups, advisory committees, mentor programs, use of nutrition curriculum, health tips during school activities, school in-Service, kids cafe(c), and youth health fair were also promoted. Also, food demonstrations, publications such as fact sheets, newsletters, technical bulletins, and research reports were disseminated. Collaboration, cooperation and partnership with local, state and federal agencies, institutions, groups, and private organizations and associations were utilized in seeking and delivering services to citizens.

**Results**

An Outreach education grant to work with communities and organizations to increase awareness about the adverse health effects of tobacco and the steps to stop smoking assisted in hiring three new staff for targeted areas in the state.

More Louisiana citizens are adopting healthy lifestyles: by incorporating various physical activities to their daily routines; by choosing to reduce meal portions; by having regular doctor visits and health screening activities; by minimizing or reducing tobacco use; by reducing risky behaviors; by taking steps to ensure safety during food preparation and storage; by consuming more functional foods; etc.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
702	Requirements and Function of Nutrients and Other Food Components
704	Nutrition and Hunger in the Population
701	Nutrient Composition of Food
502	New and Improved Food Products
703	Nutrition Education and Behavior

712 Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

**Outcome #3****1. Outcome Measures**

- 3. Percentage of clients who changed behavior

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	35	40

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
704	Nutrition and Hunger in the Population
502	New and Improved Food Products
703	Nutrition Education and Behavior
701	Nutrient Composition of Food
724	Healthy Lifestyle
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
702	Requirements and Function of Nutrients and Other Food Components

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

The ongoing economic crisis impacted seriously on outcomes during FY 2008. It caused the relocation of some clients, loss of property for some, changes in state appropriations, changes in program priorities, etc. In addition, natural disasters continued to inflict much havoc to the state and impacted outcomes.

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Comparisons between program participants (individuals, group, organizations) and non-participants

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**Program #4****V(A). Planned Program (Summary)****1. Name of the Planned Program**

IV. FAMILY AND HUMAN DEVELOPMENT

**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
801	Individual and Family Resource Management		25%		25%
802	Human Development and Family Well-Being		40%		40%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures		20%		20%
805	Community Institutions, Health, and Social Services		15%		15%
	<b>Total</b>		100%		100%

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	9.0	0.0	3.0
Actual	0.0	5.0	0.0	3.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 170420	Hatch 0	Evans-Allen 153444
1862 Matching 0	1890 Matching 177088	1862 Matching 0	1890 Matching 112272
1862 All Other 0	1890 All Other 0	1862 All Other 0	1890 All Other 1000

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Extension and Research faculty worked cooperatively to develop and disseminate educational materials devoted to helping the family set goals and manage limited resources.
- Community Volunteers (advisory committee, Community organizations, etc.) were organized to help disseminate information, increase awareness and implement programs.
- Consumer activities designed to support objectives on financial planning and management were conducted.
- Research results and other information were communicated to customers through extension personnel in the form of publications, conferences, workshops, home/office visits, demonstrations and other educational resources.
- Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.
- Others activities: Nutrition Classes: Training sessions for adults and children; Parenting Workshops; Parish and home visits; and Demonstrations
- Hired additional experienced personnel with grant funds to build capacity and respond to clientele needs.

## 2. Brief description of the target audience

There were large numbers of low income and limited resource families in Louisiana who lived in the target areas that SUAREC served. Most of these families lived below the poverty level. They lacked knowledge, information, and/or skills to utilize existing resources to improve their parenting and child care skills, family nurturing, learning, resource management, and quality of life. Children and adolescents who were placed at risk and those that were potentially at risk were also beneficiaries. It was also essential to train program staff and volunteers to ensure effective and efficient delivery of services and information.

## V(E). Planned Program (Outputs)

### 1. Standard output measures

#### Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	32000	123000	0	0
2008	16522	0	0	0

### 2. Number of Patent Applications Submitted (Standard Research Output)

#### Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

#### Patents listed

### 3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications			
	Extension	Research	Total
Plan	0	0	
2008	0	0	0

## V(F). State Defined Outputs

### Output Target

**Output #1****Output Measure**

- 1. Number of educational program activities

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	300	1015

**Output #2****Output Measure**

- 2. Number of educational contacts

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	155000	90150

**Output #3****Output Measure**

- 3. Number of published materials distributed

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	33000	66719

**Output #4****Output Measure**

- 4. Number of research/extension publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	3	2

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes
2	2. Percentage of families or individuals who adopt recommendations
3	3. Percentage of clients who changed behavior or experienced positive changing family conditions

**Outcome #1****1. Outcome Measures**

- 1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	80	80

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

There are large numbers of low income and limited resource families in the State of Louisiana who do not have economic opportunities; they live below the poverty level. Limited resource families also lacked the academic obtainment, knowledge, and skills to utilize existing resources needed to bring them to a level of self-sufficiency. Additionally, the lack of knowledge and skills prevent them from improving their parenting and child care skills, family relationships, learning, resource management, and quality of life.

These families including, children and adolescents were considered at risk and those that were potentially at risk benefited from the engagement of services and knowledge imparted by the SU AG Center.

**What has been done**

To assure that all groups received the knowledge and skills desired, it was essential to train faculty, program staff and volunteers to ensure effective and efficient delivery of programs and services. Workshops, classes and seminars were conducted to provide research-based educational information to citizens.

645 Meetings and hand-on sessions were held with over 6,720 individuals in attendance. 19 child care training workshops for Child Development Associate certificates were conducted with 750 attendees. 65 family relationships classes were conducted with 840 clients attending.

On a different activity, male prison inmates were given pre-release lessons to help them become useful members of society upon release from prison.

**Results**

89 percent of participants gained new knowledge and in the family relationships, parenting and child care skills, family relationships, learning, and resource management.

100 percent learned communication skills

100 percent developed an awareness of making a family budget

92 percent Used recommended practices to improve family relationships

90 percent learned improved discipline and guidance techniques

200 pre-release male inmates gained knowledge about anger management, addictive behaviors, finding help, and resume' building, and job interview process.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures
802	Human Development and Family Well-Being

**Outcome #2**

**1. Outcome Measures**

- 2. Percentage of families or individuals who adopt recommendations

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	55	60

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

There are large numbers of low income and limited resource families in the State of Louisiana who do not have economic opportunities; they live below the poverty level. Limited resource families also lacked the academic obtainment, knowledge, and skills to utilize existing resources needed to bring them to a level of self-sufficiency. Additionally, the lack of knowledge and skills prevent them from improving their parenting and child care skills, family relationships, learning, resource management, and quality of life.

These families including, children and adolescents were considered at risk and those that were potentially at risk benefited from the engagement of services and knowledge imparted by the SU AG Center.

**What has been done**

To assure that all groups received the knowledge and skills desired, it was essential to train faculty, program staff and volunteers to ensure effective and efficient delivery of programs and services. Workshops, classes and seminars were conducted to provide research-based educational information to citizens.

645 Meetings and hand-on sessions were held with over 6,720 individuals in attendance. 19 child care training workshops for Child Development Associate certificates were conducted with 750 attendees. 65 family relationships classes were conducted with 840 clients attending.

**Results**

Follow-up surveys were conducted to determine whether clients were continuing the behaviors learned in the sessions. Additionally, parent educators determined the changes in behavior by observing families, practicing skills in the class and at home, and through qualitative data. Results obtained were:

19 child care training workshops for Child Development Associate certificates were conducted with 750 attendees  
65 family relationships classes were conducted with 840 clients attending.

As a result of the free workshops provided by the SU Ag Center, each of the 750 attendees/child care operators saved about \$900 in training costs (\$675,000 for all participants).

65 individuals who attended the free anger management classes also saved \$3,250.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
801	Individual and Family Resource Management
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures
805	Community Institutions, Health, and Social Services

**Outcome #3****1. Outcome Measures**

- 3. Percentage of clients who changed behavior or experienced positive changing family conditions

**2. Associated Institution Types**

- 1890 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	35	34

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Prison inmates usually find it difficult to re-enter and adjust to life in a society they lived in before being incarcerated. Male inmates are particularly vulnerable to being stigmatized by their prison sojourn. Most of these inmates carry with them anger and addictive behaviors they acquired from prison and rarely know where to find help. For others, they need to learn how to build their resume and the art and techniques of successfully interviewing for jobs.

**What has been done**

The 'Second Chance 2 Recover' team comprising of faculty and staff from SUAREC provided lessons on life skills to 200 male inmates at ElaynHunt Correctional Center for three class sessions or 12 hours of pre-release program. Topics discussed included: anger management, addictive behaviors, finding help, resume' building, and job interview process.

**Results**

-200 pre-release male inmates gained knowledge about anger management, addictive behaviors, finding help, resume' building, and job interview process.  
 -98 male inmates were awarded certificates for completing a series of three class sessions for a total of 12 hours in pre-release program.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
805	Community Institutions, Health, and Social Services

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

The ongoing economic crisis impacted seriously on outcomes during FY 2008. It caused the relocation of some clients, loss of property for some, changes in state appropriations, changes in program priorities, etc. In addition, natural disasters continued to inflict much havoc to the state and impacted outcomes.

**V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Case Study
- Comparisons between program participants (individuals, group, organizations) and non-participants

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**Program #5****V(A). Planned Program (Summary)****1. Name of the Planned Program**

V. YOUTH DEVELOPMENT

**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
803	Sociological and Technological Change Affecting Individuals, Families and Communities		20%		20%
805	Community Institutions, Health, and Social Services		20%		20%
806	Youth Development		60%		60%
	<b>Total</b>		100%		100%

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	8.0	0.0	2.0
Actual	0.0	10.0	0.0	2.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	279670	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	362950	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- The following activities were continued: Livestock, Poultry and Rabbit Show; Youth Educational and After School Program (YES); Parish Achievement Days; Science Fairs; Field Trips; Family and Youth Exposition.
  - Meetings/workshops; PSA'S, fact sheets, mentoring programs (with community leaders); and commercial peer counseling were developed or conducted.
  - Research findings and other useful information were communicated to youth through extension personnel in the form of publications, conferences, workshops, field days, home/office visits, demonstrations and other educational resources.
  - Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.
  - Conducted a volunteer/parent conference for volunteers and explored ways to organize a volunteer/parent development committee in local parishes (counties).
  - Focused on the learning experience of children, youth, and families in communities with at risk environments to increase self-reliance, self-esteem, and confidence.
- Developed a promotional packet for the youth's development program and train extension agents and volunteer leaders to use the packet.
- Youth received information on the theoretical aspects of entrepreneurship, general business education and offered self-esteem training as preparation for self-employment.
- Updated educational fact sheets and brochures on tobacco use and disseminated age-appropriate educational fact sheets and brochures on risky behaviors.
- Organized four Back-to-School youth summit addressing risky behaviors and healthy lifestyles.

## 2. Brief description of the target audience

A large number of children under 18 years of age are placed at risk because their families survive on low income and limited resources. They lacked knowledge, information, and/or skills to utilize existing resources to improve their quality of life. The program targeted such children ages 5 -18 years who were vulnerable to these situations. Parents and/or guardians of these children were also targeted. Additionally, children and adolescents who were placed at risk, those who were potentially at risk and children who needed various forms of mentoring were beneficiaries. Program staff and volunteers were trained to ensure effective and efficient delivery of information.

## V(E). Planned Program (Outputs)

### 1. Standard output measures

#### Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	22000	72000	36000	123000
2008	0	0	42498	341154

### 2. Number of Patent Applications Submitted (Standard Research Output)

#### Patent Applications Submitted

Year Target

Plan: 0

2008 : 0

#### Patents listed

### 3. Publications (Standard General Output Measure)

#### Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- 1. Number of educational program activities

Year	Target	Actual
2008	350	1102

**Output #2****Output Measure**

- 2. Number of educational contacts

Year	Target	Actual
2008	159000	383652

**Output #3****Output Measure**

- 3. Number of published materials distributed

Year	Target	Actual
2008	33000	19538

**Output #4****Output Measure**

- 4. Number of research/extension publications

Year	Target	Actual
2008	4	3

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	2. Number of youth participants involved in community activities
2	3. Percent of youth who gained new knowledge/skills, awareness and/or changed opinions
3	4. Percentage of youth who changed behavior or experienced positive life changing conditions
4	1. Number of volunteer leaders (trained to lead youth participants)

**Outcome #1****1. Outcome Measures**

- 2. Number of youth participants involved in community activities

**2. Associated Institution Types**

- 1890 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	3000	1902

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Every day, 40 children are reported as abused or neglected in Louisiana. In 2003, 14,791 children were reported abused and 5,911 children were placed in foster care. Louisiana ranked 45th for child death rate (34 of 100,000 children die each year) and 47th for the rate of teen deaths by accident, homicide or suicide. The child poverty rate among rural states is consistently higher than it is elsewhere in the country. More rural children live in southern states like Louisiana than anywhere else in the United States. Rural children are more likely to have younger and less educated parents than other children, and younger and less educated parents are more likely to lack the financial means to provide basic education and basic necessities for their children. Results from the 2000 Louisiana Youth Tobacco Survey (YTS) show that more than 70,000 (50.0 percent) public middle school students in Louisiana reported having ever smoked a cigarette, and 17.1 percent currently smoke cigarettes. Moreover, 28.6 percent of the students had smoked their first cigarette before the age of 11. Apart from cigarette smoking, other forms of tobacco use reported by middle school students include cigars (12.5 percent), pipes (6.3 percent), and smokeless or chewing tobacco (9.9 percent).

**What has been done**

For the last three years the youth development staff directed its attention to the area of social and emotional well-being of youth. Improving social and emotional well being is important since they indirectly affect outcomes of youth development. A series of trainings were held for extension agents and volunteers on three core areas: self-esteem a sense of personal worth, anger prevention strategies, and mediation strategies. After completing the training, the extension agents and volunteers incorporated lessons learned from the training to youth group activities.

To educate youth on the negative effects of tobacco use, 3 workshops and 15 seminars were conducted in various regions of the state. Research-based educational information and materials about the harmful effects of tobacco were disseminated and video presentation or documentary also shown to participants.

**Results**

The results of improving social and emotional well being revealed that once youth and their families were equipped with the skills learned in these sessions, the children will be less likely to be neglected or abused. Parents will learn proper coping skills to handle the emotions that the children exhibited, furthermore, the children will learn procedures that assist them with refraining from 'acting out' when these feelings arise. Participants were administered a 54 item standardize questionnaire. The results of the questionnaire indicated that on an average, program participants coping skills were slightly above norm. Additionally students who completed the program displayed less behavior problems in school and after school program. They were more likely to be caring and involved individuals in society or society.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development

**Outcome #2**

**1. Outcome Measures**

3. Percent of youth who gained new knowledge/skills, awareness and/or changed opinions

**2. Associated Institution Types**

- 1890 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	75	76

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Despite research demonstrating that after-school programming can both build youth's strengths and reduce risk-taking behavior. It is reported that spending on after-school activities, such as band, extended day programs, and athletics, amounts to less than 2% of Louisiana's total school costs. Louisiana was ranked number one in the number of youth living in poverty. Hurricane Katrina had a catastrophic impact on education. An estimated 272,000 children were displaced from schools in Louisiana and 489 schools were initially closed after Katrina. Of the children Katrina affected, the majority were already struggling in school. Fifty one percent of 4th graders can not read at a basic level. In other words, more than half the children in Louisiana are not achieving 'partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at each grade. Twenty nine percent of Louisiana children read at basic level, and only 20 percent, (1 in 5 children) possess the literacy skills to advance comfortably from one grade to the next. The rest achieve only partial understanding of the reading material they were supposed to have been able to understand, by national standards.

**What has been done**

SUAREC developed Youth Educational Support (YES) After School Program that was implemented state wide in parishes that SUAREC serves. The YES Program works with families that have limited resources by providing educational information that would promote a long term commitment to the education of children via their family environment, school, community, and extension staff in selected parishes. To implement this program we collaborated with Louisiana State University to implement a literacy program in St. Helena Parish totaling \$200,000 for four years. The main goal of the program is to expose the youth and their parents to literacy and technology techniques that could help them progress in the academic environment. Back-to-School Summit was conducted with invited motivational speakers to inspire participants to stay in school, and apply themselves to succeed.

**Results**

Youth are open to the ideal that reading can be just as much fun as watching television. When surveyed, more than 80 percent of the mothers reported that they had become aware of the influence they had on their children's educational achievements. The mothers also stated that they would read to their children and require their children to read more often. Parents agreed to make greater efforts to help their children's homework, take them to the library, and talk with them about school. The annual Back-to-School Summit in four parishes attracted about 2,500 middle school children. In a survey 97 percent of the attendees stated than they learned more than one useful lesson that will definitely benefit them. Also, 95 percent said they will share lessons learned with their peers.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development
805	Community Institutions, Health, and Social Services
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #3****1. Outcome Measures**

4. Percentage of youth who changed behavior or experienced positive life changing conditions

**2. Associated Institution Types**

- 1890 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	45	46

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Among the problems contributing to American's misspent youth, include: a lack of access to health and mental health care; child abuse and neglect; failing schools; 'zero tolerance' school discipline policies; tougher sentencing guidelines drugs and violence, racial and economic disparities; a lack of positive role models and a culture that glorifies excessive consumption violence and triviality. Louisiana's urban and rural youth lacked enrichment programs which focused on life skills, agricultural skills, social skills, and academic enhancement. Youth are not fully aware of the benefits of being involved in agricultural projects.

**What has been done**

SUAREC's Livestock Program designed programs that brought together the extension agents, agriculture teachers, students, parents and community supporters. These programs provided an opportunity for the youth of Louisiana to develop high self esteem, leadership skills, and entrepreneurship skills. Livestock training programs were conducted that taught proper handling techniques, health management, production management, and proper showmanship techniques. These livestock programs carries a strong legacy of providing youth of Louisiana the possibility of learning valuable life skills and developing character by participation in a livestock or horse project. SUAREC conducted 16 meetings with 650 youth participants, parents, agriculture teachers and community supporters in preparation for the year's shows and activities.

**Results**

Through the auction process, SUAREC assisted youth participants in livestock and Poultry Show sell over \$55,000 worth of products that received premium values totaling \$27,000 above fair market prices. Also a total of 800lbs of fresh meat was donated to the Greater Baton Rouge Food Bank. This meat was purchased from Louisiana's youth with money donated by livestock contributors. A survey conducted during the Livestock show indicated that 71 percent of the respondents stated that preparing for the Show helped them learn how to manage their time; 93 percent developed self confidence; 86 percent developed critical thinking skills; and 93 developed leadership skills. Youth participants and exhibitors also acquired knowledge about planning and running a livestock business, being peer mentors and volunteer leaders.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development
805	Community Institutions, Health, and Social Services

**Outcome #4****1. Outcome Measures**

1. Number of volunteer leaders (trained to lead youth participants)

**2. Associated Institution Types**

- 1890 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	550	991

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Gardening is one of the most popular leisure activities enjoyed by all ages. In St. Martin and Iberia Parish, there is a large segment of the population consisting of retired people with gardening experience who can readily assist in educating youth about gardening and community involvement. Enthusiastic gardeners can be utilized in the Master Gardener Program to assist with horticulture programs in enhancing communities.

**What has been done**

Volunteers for the Master Gardener program were recruited through the mass media such as: newspapers, radio and newsletter. Nineteen volunteers were enrolled in the Master Gardener Class. Participants received forty hours of training in horticultural topics to include: botany, soil fertility, entomology, plant pathology, pomology, pesticides, tree care, weed science, ornamentals and vegetable crops. An important component of the program was that each participant provides forty hours of service to the Louisiana Cooperative Extension Service. Volunteers in the program assisted extension agent with planning, implementation and evaluation of educational programs. The Master Gardener volunteer program has increased public awareness of Extension programs and has addressed the needs of the community.

**Results**

An evaluation was conducted of the participants at the end of the program and the results are: a) the program was very informative and interesting; b) speakers for the classes were rated as very good; c) the educational program was rated as very beneficial; d) volunteers indicated that they have adopted recommended practices discussed in class.

Master Gardeners volunteered 750 hours in FY 2008 which (a value of \$13,530) to the Extension Service.

Volunteers dedicated their time and talents to enhance the quality of life in their communities. The Master Gardener program has developed a network of volunteers which has expanded the Extension Service horticultural programs. The volunteer's efforts have promoted a greater harmony between agriculture and the environment.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
806	Youth Development

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

The ongoing economic crisis impacted seriously on outcomes during FY 2008. It caused the relocation of some clients, loss of property for some, changes in state appropriations, changes in program priorities, etc. In addition, natural disasters continued to inflict much havoc to the state and impacted outcomes.

#### V(I). Planned Program (Evaluation Studies and Data Collection)

##### 1. Evaluation Studies Planned

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparison between locales where the program operates and sites without program intervention

##### Evaluation Results

{No Data Entered}

##### Key Items of Evaluation

{No Data Entered}

**Program #6****V(A). Planned Program (Summary)****1. Name of the Planned Program**

VI. ECONOMIC AND COMMUNITY DEVELOPMENT

**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management		20%		20%
602	Business Management, Finance, and Taxation		20%		20%
607	Consumer Economics		30%		30%
608	Community Resource Planning and Development		30%		30%
	<b>Total</b>		100%		100%

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	5.0	0.0	3.0
Actual	0.0	6.0	0.0	3.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 234184	Hatch 0	Evans-Allen 0
1862 Matching 0	1890 Matching 187545	1862 Matching 0	1890 Matching 0
1862 All Other 0	1890 All Other 0	1862 All Other 0	1890 All Other 0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

Research does not have personnel specifically for the Economic and Community Development Program Area. Most of the activities provided under this program were conducted as integrated outreach activities by both research and extension personnel with research personnel from other program areas such as Sustainable Agriculture, Urban Forestry, and Family/Human Development providing time and efforts. Activities conducted were as follows:

- Worked with existing organizations to strengthen links between businesses, community based organizations and outreach education.
- Assisted established businesses with planning, market assessment, management, and marketing strategies.
- Recruited aspiring entrepreneurs and assist them with the development of business plans.
- Assisted local farmers and other persons to develop alternative enterprise initiatives for rural businesses.
- Encouraged the development of agribusinesses to include utilization of niche markets (vegetables, organic products pasture-raised poultry and beef, etc.) for agricultural producers.
- Disseminated research findings to customers through extension personnel in the form of publications, conferences, workshops, field days, home/office visits, demonstrations and other educational resources.
- Organized grant writing workshops to empower individuals, businesses and communities enhance their skills on how to write for successful grants.
- Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.

## **2. Brief description of the target audience**

Rural and urban dwellers in the United States continued to experience high levels of poverty due to lack of economic opportunities. Improving this low quality of life was the focus of this planned program. About 17 percent of Louisiana residents (and in some of the rural parishes or counties as high as 27 percent) lived below the poverty level. The majority of these communities lacked opportunity for business start-ups, business expansions, housing, economic development and growth. Under-represented, underserved, socially and economically disadvantaged groups in traditionally agricultural and urban communities in the State were targeted for the purpose of encouraging business and economic development.

## **V(E). Planned Program (Outputs)**

### **1. Standard output measures**

#### **Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	16500	103000	0	0
<b>2008</b>	8644	307729	0	0

### **2. Number of Patent Applications Submitted (Standard Research Output)**

#### **Patent Applications Submitted**

**Year      Target**

**Plan:** 0

2008 : 0

#### **Patents listed**

### **3. Publications (Standard General Output Measure)**

#### **Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
<b>2008</b>	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- 1. Number of educational program activities

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	200	209

**Output #2****Output Measure**

- 2. Number of educational contacts

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	119500	316373

**Output #3****Output Measure**

- 3. Number of published materials distributed

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	31000	33634

**Output #4****Output Measure**

- 4. Number of research/extension publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	3	4

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes
2	2. Percentage of clients who adopt recommendations
3	3. Percentage of clients who utilized skills to gain positive economic results

**Outcome #1****1. Outcome Measures**

- 1. Percent of clients who gained new knowledge/skills, awareness and/or changed attitudes

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	80	89

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Louisiana suffered economically and socially in FY 2008 as a result of depressed petroleum and oil prices, coupled with devastating impact of the 2005 Hurricanes Katrina and Rita and lack of incentives for business investment. The state was ranked among the top five states for poverty and for the opportunities of mainstream America. Louisiana's poverty rate (17 percent) was higher than the national average (12 percent). Poverty rate in rural Louisiana was as high as 27 percent in some parishes (counties). Rural areas in Louisiana suffer greatly from a lack of access to education, access to broadband internet connectivity, adequate healthcare, and persistent poverty.

**What has been done**

During FY 2008, SUAREC did the following: worked with over 30 non-profit organizations to strengthen links between businesses and community based organizations; assisted 93 small businesses with planning, market strategies/assessment, and management; assisted 21 local farmers to develop alternative enterprise initiatives. Over 20 workshops were conducted with 1,800 persons in attendance. Microsoft Office Excel, Quick Books, Access, Publisher and E-Business seminars are also continuing in seven Louisiana rural parishes. In collaboration with community organizations, about 200 computers with access to the internet have been placed in 17 locations mainly in rural areas.

Other activities were: disseminate information to customers through extension personnel in the form of publications, conferences, workshops, and home/office visits; organize grant writing workshops for individuals, businesses and communities leaders; and, collaborate, cooperate and partner with local, state and federal agencies, institutions, groups, private organizations/associations.

**Results**

At the Community and Faith Leadership and also the Procurement Conferences, 90 percent respondents to a survey indicated that they gained knowledge and skills which would be useful to their organizations in areas such as grant writing, evaluation, leadership, strategic planning, etc. In the rural and small business development activities, there were 1,625 participants and 88 percent stated that they gained new knowledge and skills. Some 41 participants completed loan application packages for worth \$782,000; \$256,500 have been approved. To date 200 computers have been placed in 17 sites and community centers to enable individuals and potential entrepreneurs have access to do business on the internet. Participants in the Microsoft Office Excel workshops, Quick Books, Access, Publisher and E-Business seminars are gaining useful knowledge and skills needed for their businesses and personal lives. First-12 grade children gained useful knowledge about owning a business, opening and managing bank accounts.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
602	Business Management, Finance, and Taxation
607	Consumer Economics

**Outcome #2**

**1. Outcome Measures**

- 2. Percentage of clients who adopt recommendations

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	60

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
607	Consumer Economics
602	Business Management, Finance, and Taxation
601	Economics of Agricultural Production and Farm Management

**Outcome #3****1. Outcome Measures**

- 3. Percentage of clients who utilized skills to gain positive economic results

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	35	40

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Louisiana suffered economically and socially in FY 2008 as a result of depressed petroleum and oil prices, coupled with devastating impact of the 2005 Hurricanes Katrina and Rita and lack of incentives for business investment. The state was ranked among the top five states for poverty and for the opportunities of mainstream America. Louisiana's poverty rate (17 percent) was higher than the national average (12 percent). Poverty rate in rural Louisiana was as high as 27 percent in some parishes (counties). Rural areas in Louisiana suffer greatly from a lack of access to education, access to broadband internet connectivity, adequate healthcare, and persistent poverty.

### **What has been done**

During FY 2008, SUAREC did the following: worked with over 30 non-profit organizations to strengthen links between businesses and community based organizations; assisted 93 small businesses with planning, market strategies/assessment, and management; assisted 21 local farmers to develop alternative enterprise initiatives. Over 20 workshops were conducted with 1,800 persons in attendance. Microsoft Office Excel workshops, Quick Books, Access, Publisher and E-Business seminars are also continuing in three Louisiana rural parishes. In collaboration with community organizations, about 200 computers with access to the internet have been placed in 17 locations mainly in rural areas.

Other activities were: disseminate information to customers through extension personnel in the form of publications, conferences, workshops, and home/office visits; organize grant writing workshops for individuals, businesses and communities leaders; and, collaborate, cooperate and partner with local, state and federal agencies, institutions, groups, private organizations/associations.

### **Results**

Some 41 participants completed loan application packages for worth \$782,000; \$256,500 have been approved. To date 200 computers have been placed in 17 sites and community centers; over 6,602 individuals have used these computers to access the internet and continue to have access to the computers.

About 12 new businesses were started, 20 businesses were expanded and 13 new jobs were created. Participants in the Microsoft Excel and E-Business seminars are utilizing knowledge and skills gained to improve their businesses and personal lives thus saving thousands of dollars. Some of these participants have given personal testimonies on how they and their businesses have benefited from the assistance they received from Southern University Personnel and facilities.

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
601	Economics of Agricultural Production and Farm Management
607	Consumer Economics

### **V(H). Planned Program (External Factors)**

#### **External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

#### **Brief Explanation**

The ongoing economic crisis impacted seriously on outcomes during FY 2008. It caused the relocation of some clients, loss of property for some, changes in state appropriations, changes in program priorities, etc. In addition, natural disasters continued to inflict much havoc to the state and impacted outcomes.

### **V(I). Planned Program (Evaluation Studies and Data Collection)**

#### **1. Evaluation Studies Planned**

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Case Study
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparison between locales where the program operates and sites without program intervention

#### **Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}