

2013 Tuskegee University Extension Annual Report of Accomplishments and Results

Status: Accepted

Date Accepted: 06/02/2014

I. Report Overview

1. Executive Summary

The Tuskegee University Cooperative Extension (TUCE) in partnership with the Evans Allen Research Program, Carver Integrative Sustainability Center (USDA Center of Excellence) and other research, teaching and outreach units carries out a comprehensive Extension statewide Plan of Work. TUCEP continued to focus its major efforts in Alabama Black Belt and adjacent counties, but had programs in other counties, such as in Marshall County with the Cherokee Tribe of North East Alabama (CTNEAL) and other Native and Hispanic populations. Also, contributions were made toward several 3(d) and other NIFA program objectives as funds became available.

TUCE's plan-of-work consisted of seven (7) program areas upon which major measurable outcomes or impacts of the program are based. These program areas are well defined within the five priority goals of Extension outlined in the USDA NIFA Strategic Plan. They provide a variety of research-based outreach and educational programs designed to meet many unique educational needs of limited resource and socially disadvantaged families--the targeted populations served. Extension Specialists and County Agents contribute most of their time to the plan-of-work topic areas specific to the counties in which they live and serve, but also serve throughout the state of Alabama when requested for special and joint educational efforts.

The seven (7) approved program areas are:(1)Youth Entrepreneurial Initiative and Workshop Development, (2) Global Food Security, Small Scale Farming, and Landownership, (3) Community, Business and Resource Development (4) Sustainable Energy, and Integrated Natural Resources and Climate Change, (5) Childhood Obesity, Nutrition and Healthy Lifestyles, (6) Food Safety, and (7) Climate Change. However, due to continuing staff shortages and ongoing research-extension re-organization, efforts during this period in the last two program areas are minimal. Also noted is that these two areas have been incorporated into program four (4) above for the coming year.

The Extension agents, specialists and support staff for each program area implemented year round educational opportunities comprising workshops, training sessions and small group meetings, as well as individual technical assistance and follow-up sessions for diverse audiences and individuals. Educational opportunities were taken to schools, community settings, and other venues as recommended by key stakeholders through the well established stakeholder input process primarily via the six -county advisory councils and a state Advisory council. In addition, major conferences such as the 17th Booker T. Washington Economic Summit, 71st Professional Agricultural Workers Conference, the 121th Annual Farmers Conference, Master Goat Producer Certificate Program, Youth Empowerment Summit, Goat Day, and summer youth camps are annual events that have well-tailored educational and experiential learning opportunities for limited resource and socially disadvantaged families, individuals and small-businesses. The program efforts for 2013 reached about 70,000 youth and adult contacts, contributing to the program objectives. Some of the highlighted accomplishments are described below for the five program areas where significant inputs were made.

Youth Entrepreneurial Initiatives and Workforce Development

The objectives of this program area are to provide youth and young adults exposure to a variety of learning experiences that will enhance their knowledge and understanding of entrepreneurial processes and opportunities, and job acquisition skills. Complementing these objectives, the program provides science and technology education and leadership skill development through processes in experiential "hands-on-learning." The program was carried out year-round through various seminars and workshops where county agents and youth volunteers went on-site to schools, community centers and various

community sites to provide education to youth. Through this means, about 6177 youths were served. In addition, annual camps and large group events were held during this period, serving about 4,391 youths. Some successes of this program are highlighted in this report.

Highlighted achievements concerning youth entrepreneurship in this report are; three (3) students starting their own businesses; groups of students developing realistic mock business plans, and presenting their marketing and sales materials in judged contests; and students growing vegetables in school gardens and greenhouses and selling produce on local markets. Highlighted achievements in workforce development and youth leadership; ten (10) youth attending a week-long youth leadership program at the national 4-H Conference Center in Chevy Chase, Maryland and Washington DC which culminated in informative meetings with their locally elected national representatives; student volunteers and youth Extension paraprofessionals pledging to implant what they learned from their leadership and nutrition education training to teach their peers and younger kids; students learning at summer camp a variety of subjects, including public speaking, leadership, entrepreneurship, art, healthy cooking and the scientific process; and more than 120 middle and high school students attending the youth component of Tuskegee University's 121th Annual Farmers Conference, where topics and other events included guided tours, introductions to summer programs for high school students that acquaint them with professional careers and internships in agriculture.

Global Food Security, Small Scale Farming, and Landownership

The primary objective of this program is to increase the knowledge of small-scale farmers and landowners to enable them to achieve and maintain profitability and sustainability of their operations, while overcoming the unique challenges they face concerning production, finances, and marketing due to the size of their operations as well as other historical and environmental factors. The program provided technical training and assistance to more than 6,089 farmers and landowners this period concerning improved technologies for production and marketing of beef cattle, meat goats, fresh produce, and timber.

Technologies such as year-round pastures, and agroforestry systems such as silvopastures are being adopted by farmers, saving them on winter feeding costs and expanding their effective acreage through multiple simultaneous usage. Goat producers are beginning to save from \$221.00 to \$237.00 per month by growing forages to feed 35 to 40 head herds during the winter season. Beef producers increased forage production for grazing and hay production on average by 700 lbs. per acre and calf weaning weights increased on average by 30 to 45 days as a result of improved pasture and nutrition management. One cattle producer (having 40 to 50 head) reduced production costs in the range of \$4,860.00 to \$6,480.00 per year by improving pastures and pasture management. Also, educational programs delivered to youth concerning natural resources education and livestock management are highlighted in this report. Community gardening training, GAP certification training, a beginning farmer initiative, and small-scale farmer cooperative marketing networks that have broken marketing barriers to large chains such as Walmart are also highlighted.

Community, Business and Resource Development

This program provides specific educational opportunities and technical assistance designed to addresses educational needs concerning community resources and leadership development, business and entrepreneurial development, individual and family financial management, and home ownership education and other asset development. The objectives are to assist in enhancing the leadership capacity of individuals, organizations, and communities; to assist business owners with business planning and tools for sound decision-making; and to assist individuals with job skills development management, as well as personal finance management.

Highlighted this year are efforts and achievements such as; training and assistance leading to establishing a farmer cooperative that pools small lots for marketing to industries that only accept large lots; providing needed training in organizational and financial management to a community center for recertification as an IRS 501(c)(3) tax-exempt organization, which subsequently raised funds to support fifty (50) youth at a two-week summer camp; conducting job readiness training classes that included mock interviews that resulted in actual interviews and employment; and providing eight weeks of training in Green Construction and home weathering rehabilitation, resulting in unemployed and underemployed trainees becoming employed in relatively well paid construction jobs.

Sustainable Energy, and Integrated Natural Resources and Climate Change

This program focuses on a variety of educational programs in the areas of natural resources management, water quality and environmental education, and alternative energy education, all designed to increase citizen's knowledge and awareness in these areas. Training and technical assistance sessions were provided and targeted towards adoption of improved land, water, energy and environmental protection practices.

The water quality education program reached nearly 1,000 people this year, demonstrating well management, training in water quality testing and watershed management. Ten (10) energy audits and twelve (12) energy conservation and production workshops were conducted, demonstrating to agriculture producers, rural small business and rural communities how to reduce the use of oil and gas sources and generate electricity for farms, small businesses and communities. Youth educational meetings concerning forestry for 4th grade students served more than 158 students and 30 adult volunteers. Training meetings in one county prepared twenty-one (21) youths and eight (8) adults for tree identification programs targeted to help them develop and place ID tags on trees along walking trails in a local park. An annual week-long forestry camp in its eighteenth year served forty (40) students, exposing them not only to forestry and natural resources subjects but also to recruiters from colleges, public agencies and private sector businesses that provided insight about careers in forestry and natural resources.

Childhood Obesity, Nutrition and Healthy Lifestyles

The primary objective of this program is to increase awareness of citizens of all ages about how proven healthy diets and physical activity can reduce childhood and adult obesity, and improve and maintain health. A variety of regular training sessions, workshops and special events were held to contribute to this objective. These comprise techniques such as group instruction, individual instruction, food demonstrations, health fair exhibits, hands-on-activities, and dissemination of printed and online resources.

Accomplishments illustrated in this report; Head start teachers, food service staff , and caregivers (parents) were trained in selecting and preparing healthy foods which resulted in a 100 percent participation increase in a 10-week statewide weight loss competition; four summer health fitness camps were held encouraging youth to lose weight, teaching them the importance of exercise and eating healthy foods; a week-long career-related summer youth college was held which also included training to equip participants to make healthy dietary and physical activity decisions, resulting students selecting healthier foods during for their meals in the cafeteria; students growing vegetables in school gardens and learning healthy vegetable recipes they shared with their parents; and two one-day Senior Olympics events where senior appropriate physical activities are taught and demonstrated, resulting in seniors becoming more active and communities establishing Senior Citizen walking clubs.

Food Safety

Limited report on this program area, except as indicated through EFNEP, CYFAR and GAP Certification.

Climate Change

No report on this program area.

Total Actual Amount of professional FTEs/SYs for this State

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	26.5	0.0	0.0
Actual	0.0	25.3	0.0	0.0

II. Merit Review Process

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

- Internal University Panel
- External University Panel
- Expert Peer Review
- Other (Local Advisory Councils and State Advisory Council)

2. Brief Explanation

The Merit Review Process Committee which is now merged with the State Advisory Council, follows the guidelines outlined in the TUCE Advisory Council hand book as well as reports and recommendations from key programs and meetings. The State Advisory Council holds its annual meeting in February each year for input from local county advisory councils and input from stakeholders as it relates to program relevance and impacts.

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
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Survey of the general public
- Survey specifically with non-traditional groups
- Survey specifically with non-traditional individuals
- Survey of selected individuals from the general public

Brief explanation.

Stakeholders from our service area were encouraged to participate in all Extension activities through giving them ownership of the county advisory committee and State Advisory Council, and showcasing the knowledge and skills they could gain. Also, knowledge gained and skills learned from participating in Extension educational activities could help them to transform their communities, improve their leadership abilities and skills, and to improve their quality of life. More importantly, stakeholders are given opportunities at major conferences and meetings to serve as advocates for the Extension program and contribute to accountability. With input from stakeholders guiding our program planning, priority is given to areas with the greatest need.

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
- Use External Focus Groups
- Open Listening Sessions
- Needs Assessments
- Use Surveys

Brief explanation.

Several methods were utilized for identifying individuals and groups such as the use of local and state advisory councils, listening sessions, and other needs assessments. Methods vary according to Program Areas. In Small-Scale Farming and Global Food Security, the methods were identified by interest levels, e.g., those interested in vegetable production participated in vegetable production; those interested in beef cattle production participated in the same; those interested in forestry participated in forestry. Some individuals and groups (professional leaders, elected officials, producers, and landowners) were tasked to serve on extension leadership teams, because they were aware of extension program goals and objectives and could provide quality input. Some individuals were targeted at the place where they transact business--producers at the farmers market--and their inputs were sought. Some demographic data on population were utilized to make contacts with new stakeholders and their input was sought. Collaborations with local, state and federal agencies such as FSA, NRCS, RC&D Councils, and other farm organizations as well as community-based organizations were used to identify new stakeholders and their input was sought. Additionally, agents, specialists, and administrative team worked together to identify individuals and groups that would add quality input into Extension programming, as they sought to improve program quality and development.

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
- Meeting with the general public (open meeting advertised to all)
- Survey of the general public
- Meeting specifically with non-traditional groups
- Survey specifically with non-traditional groups
- Meeting specifically with non-traditional individuals
- Survey specifically with non-traditional individuals
- Meeting with invited selected individuals from the general public
- Survey of selected individuals from the general public

Brief explanation.

The methods mentioned above were utilized by the TUCE team to collect stakeholders' input. The meetings and surveys with traditional groups and individuals are necessary to maintain current program support and to make program modifications, if necessary. Meetings with the general public at conferences such as the Annual Farmers' Conference, the Annual Booker T. Washington Economic Development Summit, the Youth Empowerment Summit, and the Annual Professional Agricultural Workers Conference give participants the opportunity to inquire and receive information about TUCE. These conferences present challenges and opportunities for program development. TUCE is reviewing the need to employ again a full-time Community Resource Specialist to provide assistance and coordinate planning in conducting entrepreneurial initiatives that address needs of the Cherokee Tribe of Northeast Alabama, other Native Americans, and Hispanic groups in South Central Alabama.

3. A statement of how the input will be considered

- In the Budget Process
- To Identify Emerging Issues
- Redirect Extension Programs
- In the Action Plans
- To Set Priorities

Brief explanation.

Inputs from stakeholders were used to strengthen or change existing research-based Extension program activities as reflected in the 2014-2018 Plan of Work Update. Extension Teams Projects (ETPs) and special initiatives were added to Extension Program Areas where needed and area of services were extended to reach wider audiences in some counties. The goals of these changes are to improve the quality of life for the clients served and to improve the quality of programs Extension is offering to the public.

Brief Explanation of what you learned from your Stakeholders

TUCE continues to be well received and considered a vital part of the communities in which it serves. The communities in which TUCE serves support programs that meet needs and improve the quality of life. Stakeholders report sustainability and profitability (impacts) from their involvement in Extension. TUCE learned of the need to support and fund programs that lead to higher yields in vegetable and fruit production, more efficient and effective budget and record keeping, reduction in the use of pesticides, implementing more of the best farm management practices, forest resource management practices, enhanced economic development practices, as well as the need to re-allocate some resources to impact producing programs in youth obesity prevention, own-staff fitness needs, food safety, and alternative energy use and technologies. Some stakeholders want more effective and efficient parenting educational activities, including early prevention of childhood obesity in their communities.

IV. Expenditure Summary

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	1937614	0	0

2. Totaled Actual dollars from Planned Programs Inputs				
Extension			Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	0	1818095	0	0
Actual Matching	0	1177572	0	0
Actual All Other	0	654603	0	0
Total Actual Expended	0	3650270	0	0

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous				
Carryover	0	0	0	0

V. Planned Program Table of Content

S. No.	PROGRAM NAME
1	Youth Entrepreneurial Initiatives and Workforce Development
2	Global Food Security, Small-Scale Farming, and Landownership
3	Community, Business and Resource Development
4	Sustainable Energy and Integrated Natural Resources
5	Childhood Obesity, Nutrition, and Healthy Lifestyles
6	Food Safety
7	Climate Change

V(A). Planned Program (Summary)

Program # 1

1. Name of the Planned Program

Youth Entrepreneurial Initiatives and Workforce Development

Reporting on this Program

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		15%		
604	Marketing and Distribution Practices		10%		
801	Individual and Family Resource Management		25%		
806	Youth Development		50%		
	Total		100%		

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	4.0	0.0	0.0
Actual Paid Professional	0.0	6.5	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

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	494172	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	327674	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	100000	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

The program was carried out year-round through various seminars and workshops where county agents and youth volunteers went school grounds, community centers and various community sites and provided education to youth. Training topics included; Dress for Success, Computer Literacy (PowerPoint, Excel, Word), Financial Management, Communications and Interpersonal Skills, Soft Skills (public speaking, business etiquette, etc.). In addition, entrepreneurial camps and large group events were held during this period as bulleted below:

- Entrepreneurship Camps in Green/Hale, Lowndes/Wilcox, and Macon/Montgomery counties
- Youth Entrepreneurship Conference jointly operated by Alabama A&M and Auburn Universities
- West Alabama Youth Entrepreneur Summit at the Livingston Community Center in Livingston, AL
- Youth Empowerment Symposium at Tuskegee University
- Collegiate-level youth entrepreneurial program
- Revitalized a high school greenhouse in Tuskegee
- School vegetable gardens
- Youth Extension Paraprofessional leadership experience
- 4H Camp
- Youth at the 121t Farmers Conference
- Tomorrow's Agricultural Professional Symposium (TAPS) at the 71st Professional Agricultural Workers Conference
- Science camps
- Forestry Camp
- Kids and Camps

2. Brief description of the target audience

The targeted audiences are the rural and some urban youths, collegiate students, and young adults in the general population of the Alabama Black Belt and other counties.

3. How was eXtension used?

eXtension was used to acquire materials and resources on entrepreneurship program models and curriculums through interactions with participants from the communities of practice.

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	5118	4106	4391	1786

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

Patent Applications Submitted

Year: 2013

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Schools, community centers, faith-based organizations, summer camps, extension personnel and youth service agencies.

Year	Actual
2013	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Youth and adults will explore entrepreneurship, economics, law, government and business ethics; and expand participant's jobs skills, as well as knowledge of math, public speaking, marketing, decision-making and business leadership.

Outcome #1

1. Outcome Measures

Youth and adults will explore entrepreneurship, economics, law, government and business ethics; and expand participant's jobs skills, as well as knowledge of math, public speaking, marketing, decision-making and business leadership.

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

For the last 20 years, TUCE and Alabama Forestry Commission along with other sponsors conduct a week long "Forestry Camp" during the first full week of June. This camp provides an intensive and highly immersive experience in forestry and conservation management designed to influence youth to develop an interest in and pursue careers in agriculture and natural resource fields. It is open to any student boy or girl who is at least fifteen years of age and has completed the ninth grade but not yet finished the twelfth grade.

What has been done

The forty (40) youth selected annually attend and participate in classes outdoors and in room settings. Courses covering tree identification, forest products, forest management, wildlife, water quality, urban forestry, are interactive and hands on. Students participate in College and Career Night; where they are exposed to recruiters from colleges, public agencies and private sector businesses. In addition, tours of well managed forest areas, forest product processing facilities as well as other natural resources concerns are provided.

Results

Over the years of existence, the camp has served about 600 students. An estimated 50 percent of former campers have entered and completed college degrees. Of these more than 60 or about 25 percent have studied for careers in forestry and natural resources.

4. Associated Knowledge Areas

KA Code Knowledge Area

601	Economics of Agricultural Production and Farm Management
604	Marketing and Distribution Practices
801	Individual and Family Resource Management
806	Youth Development

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Programmatic Challenges

Brief Explanation

Program outcomes were affected by economic conditions in the region and competing programmatic challenges, particularly where participants were required to pay a registration/enrollment fees. In addition, schools systems give priority to "academic" programs in order to catch up under state and federal policies and requirements to show progress.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Post program evaluations showed that out of the students who participated in the financial management classes, the majority learned how to calculate simple budgets and had improved their math skills, while more than 50% acquired an understanding of business finance. Of the 42 students who attended classes on Mathematics of Inventory, all of them learned how to calculate profits and losses and acquired knowledge of profit margins. Also, 30 learned the difference between wholesalers and retailers and 22 learned how to calculate percentages for reinvestment. Another group of 54 students participated in the savings and decision making classes and from this group, 45 planned to open savings account, 54 planned to improve their spending habits, and 18 planned to develop long term saving plans with parents. Overall, follow-up evaluations of the entire group of more than 180 based on random subjects indicated that 51 students practiced budgeting, 88 had improved Math skills, 42 students have opened savings accounts and 59 students have improved their spending habits.

Key Items of Evaluation

Following reports from the Youth Empowerment Summit, its continued implementation as an annual conference will provide an opportunity to motivate and inspire youth in the region to have a positive outlook about their futures. The infusion of the 4-H program template and opportunities will remain the primary components of this program area.

V(A). Planned Program (Summary)

Program # 2

1. Name of the Planned Program

Global Food Security, Small-Scale Farming, and Landownership

Reporting on this Program

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%		
111	Conservation and Efficient Use of Water		10%		
123	Management and Sustainability of Forest Resources		10%		
131	Alternative Uses of Land		10%		
141	Air Resource Protection and Management		10%		
201	Plant Genome, Genetics, and Genetic Mechanisms		10%		
211	Insects, Mites, and Other Arthropods Affecting Plants		10%		
301	Reproductive Performance of Animals		10%		
501	New and Improved Food Processing Technologies		10%		
601	Economics of Agricultural Production and Farm Management		10%		
	Total		100%		

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	10.5	0.0	0.0
Actual Paid Professional	0.0	7.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

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	537076	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	356123	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	341787	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

This program was carried out through small group meetings, workshops, demonstrations, large group meetings and conferences, and farm visits and provided technical assistance follow-up; all on an on-going basis. In addition, farmers and landowners were served via telephone calls and mailings. Another effective mean was via on-farm research and demonstration sites that are continuing to be established on cooperating farms. Other specific activities were:

- Veterinary Assistance, in cooperation with the Tuskegee University School of Veterinary Medicine
- Master Goat Producer Certification Program and follow up technical assistance and workshops
- Meat goat research and demomstration sites
- Youth Livestock Shows
- 121st Annual Farmers Conference
- Tri-County Small Farmers Work Conference

- Beginning Farmers Project
- Timber marketing and multiple use education
- USDA Outreach and Technical Assistance for Socially Disadvantaged Farmers and Ranchers (OASDFR) Program (leveraged)
- The Sustainable Agriculture Consortium for Historically Disadvantaged Farmers
- The 2nd Conference on Successful Marketing Opportunities for Historically Disadvantaged Farmers at the 70th Professional Agricultural Workers Conference

2. Brief description of the target audience

The targeted audience will consisted of historically disadvantaged farmers, small-scale producers and limited resource landowners in the 12 Black Belt and more than 20 surrounding counties in Alabama.

3. How was eXtension used?

There was contribution to eXtension; and eXtension was used as source of educational materials through the Community of Practice on meat goats.

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	6089	4948	1111	1048

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

Patent Applications Submitted

Year: 2013

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	3	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- The output target will consist of training in Integrated Pest Management, Plasticulture, Organic Farming, Forest Management, Animal Management and Marketing involving farmers, landowners, homeowners, senior citizens, youth farmer organizations, federal and state agencies and private industry.

Year	Actual
2013	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	The output target will consist of training in Integrated Pest Management, Plasticulture, Organic Farming, Forest Management, Animal Management and Marketing involving farmers, landowners, homeowners, senior citizens, youth farmer organizations, federal and state agencies and private industry.

Outcome #1

1. Outcome Measures

The output target will consist of training in Integrated Pest Management, Plasticulture, Organic Farming, Forest Management, Animal Management and Marketing involving farmers, landowners, homeowners, senior citizens, youth farmer organizations, federal and state agencies and private industry.

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The issues of declining numbers of small-scale producers, land loss by small-scale producers, lack of resources, lack of marketing opportunities, low profitability, dying communities, and globalization are critical to small-scale agriculture.

Beef cattle production is a very important source of supplemental income for many limited resource farm families within the black belt counties and across the state of Alabama. However, beef cattle production has become very risky for all cattle producers due to the increases in production costs. Many producers have begun to diversify limited resource farms by incorporating meat goats into their production systems in efforts to increase farm income through the sale of meat goats at least twice a year. Both species of livestock (cattle and goats) share many of the same production problems including poor nutrition, parasites, health care, and the lack of marketing diversification. These production management issues are costing livestock producers millions of dollars annually in profit from the sale of calves and goats.

What has been done

By leveraging grant funds through the USDA Outreach and Technical Assistance for Socially Disadvantaged Farmers and Ranchers (OASDFR) Competitive Grants, TUCE has been able to provide special training to small scale producers. Of the 1702 farmers assisted during the year, 1,492 were social disadvantaged. Following USDA/ARS food safety audits, they are not certified to sell to large stores such as Walmart and Whole Foods and school campuses. Group meetings were held addressing issues on new products and markets, management (including financial management) and record keeping. Farmers also participated in pre-training, formal training and a follow-up training in food safety procedures. In addition, farmers were assisted on a one-on-one basis to prepare acceptable loan applications to USDA FSA and local lending institutions, as well

as to secure GAP certification.

In efforts to assist beef and meat goat producers with production and marketing concerns, the Tuskegee University Cooperative Extension and the GWC experiment station in cooperation with the Alabama Cooperation Extension System collaborated on out-reach educational programs to assist small producers with production problems. Approximately nine hundred (900) contacts made with small scale beef and goat producers through farm and home visits, newsletters, workshops, and field days. Extension and Research has also established Twenty-four (24) research and demonstration sites within the Black Belt and surrounding counties to further teach and demonstrate sound management practices for goat producers in efforts to create alternative nutrition, herd health and marketing strategies for quality goat meat and by-products.

Results

This outreach, technical assistance and education program has resulted in two (2) farm ownership loans totaling \$750,000, fourteen (14) operating loans totaling \$555,000, nine (9) housing loans totaling \$711,000, and nine (9) cost share programs totaling \$152,000, for a total of thirty-four (34) loans for \$2,168,000. Through the GAP certification, six (6) limited resource farmers have received Produce GAPs Harmonized Food Safety Certification, with Global Addendum. They can now sell their produce to open markets: Wal-Mart, Whole Food, Publix and, etc. This achievement alone opens a market to African-American farmers that have never been opened before.

?Producers continue to increase knowledge and awareness in regards to different livestock marketing strategies through extension educational programs.

?Thirty (38) producers continue to upgrade small herds with quality breeding stock in efforts to take advantage of high prices for marketing calves.

?Four (4) beef producers were able to increase calf weaning weights on average by 30 to 45 days as a result of improved nutrition management.

?Producers increased forage production for grazing and hay production on average by 700 lbs. per acre by following soil test recommendations and weed management practices.

?A cattle producer (having 40 to 50 head) who improved pastures and pasture management reported production costs reductions of \$4860.00 to \$6480.00 per year.

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
123	Management and Sustainability of Forest Resources
131	Alternative Uses of Land
141	Air Resource Protection and Management
201	Plant Genome, Genetics, and Genetic Mechanisms
211	Insects, Mites, and Other Arthropods Affecting Plants
301	Reproductive Performance of Animals
501	New and Improved Food Processing Technologies
601	Economics of Agricultural Production and Farm Management

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Government Regulations
- Competing Public priorities

Brief Explanation

Program outcomes were particularly affected by extreme weather conditions and the economy. A number of planned field demonstrations were cancelled due to bad weather and number the of participants were lower than expected for some workshop and training sessions that required registration fees.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Almost all the producers that participated in educational workshops and training sessions indicated a willingness to adopt the recommended practices to help reduce cost, improve efficiency and in turn increase their profits. A number of farmers have already adopted a cooperative marketing program and have seen higher profits from their sales. Through the risk management educational and training efforts, producers have made significant increases in profits through the collaborative marketing strategy to penetrate local commercial markets including Walmart, Whole Foods, and Sodexo. Farmers have gained a myriad of information and skills relating to farm safety and quality control, crop insurance, food safety, pricing and grading, as well as packaging and transportation of produce to commercial retailers. A number of youth from various Black Belt counties who participated in agricultural educational programs including livestock shows, TAPS, Agri-Treck and forestry camps have also been exposed to career opportunities and resources in the agriculture and natural resources field. About 40% have indicated an intension to pursue career paths in this field.

Key Items of Evaluation

Key program components focus on technical assistance and educational programs and resources on animal production efficiency and herd health management, fruits and vegetables production using plasticulture and hoop-houses, organic agriculture and sustainable practices, farm risk management and cooperative marketing, and timber sales management.

V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

Community, Business and Resource Development

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
602	Business Management, Finance, and Taxation		25%		
608	Community Resource Planning and Development		50%		
805	Community Institutions, Health, and Social Services		25%		
	Total		100%		

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	4.5	0.0	0.0
Actual Paid Professional	0.0	3.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

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	229847	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	152406	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

This program area was carried out year-round through various seminars and workshops, and an annual economic development summit, specifically including:

- a series of six working sessions to help farmers develop governing structures for farm cooperatives
- work sessions to develop organizational capacity in Guerryton, Bullock County
- workshop sessions and technical assistance to the director of the Louise O Newman Center for Learning and Human Development
- Continuing organizational and technical assistance to The Wil-Low for Scholars, a community scholarship foundation
- Annual Booker T. Washington Economic Development Summit
- Micro-loan opportunity and business development workshops
- Workforce development and resource development workshops
- 4H Volunteer Development Program (online)
- Green Construction Jobs Skills training and Community Business Development Technology Services Incubator at the Tuskegee-Macon County Community Development Corporation (TuskMac CDC) (leveraged)
- Volunteer Income Tax Assistance (VITA) Program

2. Brief description of the target audience

The target audiences consisted of start-up entrepreneurs, existing business owners, leadership from civic and social community organizations and leadership from faith-based organizations.

3. How was eXtension used?

Used the Community of Practice on personal and family finances education as source of educational materials

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	7107	4836	1361	841

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

Patent Applications Submitted

Year: 2013
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
------	-----------	----------	-------

Actual	0	0	0
---------------	---	---	---

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Participants will be trained in leadership skills development, business planning and management, and how to access loans and other resources.

Year	Actual
2013	126

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Seventy five will acquire business and leadership development skills. Thirty five will develop business plans, and 15 will have business loans approved.

Outcome #1

1. Outcome Measures

Seventy five will acquire business and leadership development skills. Thirty five will develop business plans, and 15 will have business loans approved.

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Many low-income households are eligible for the earned income tax credit (EITC) and other tax credits but do not apply for the annual refunds because they are unaware of their existence. The IRS estimates that 15% or more of EITC refunds are unclaimed by low-income families, amounting to about \$2.7 billion each year. Many consumers are also convinced to take out a Refund Anticipation Loan (RAL) from the proceeds of their tax refund, at exorbitantly high interest rates, ranging from about 50% to 800% APR. In Alabama, more than 490,000 families claim an estimated \$1 billion through the federal EITC annually. However, with more than 75% of EITC recipients in Alabama paying a commercial preparer to complete their taxes, Alabama families lose more than \$78 million annually to tax preparation and refund anticipation loan costs.

What has been done

Tuskegee University Cooperative Extension therefore operates a volunteer income tax assistance (VITA) sites in Macon and Dallas Counties to assist low-income taxpayers and the elderly with tax return preparation while providing educational resources on budgeting, saving strategies, and credit management. The focus is to assist low-income households and the elderly to keep more money in their pockets by applying for the tax credits such as EITC and also by avoiding tax preparation and refund anticipation loan costs.

Results

During the 2013 tax filing season, 102 federal tax returns and 76 Alabama state returns were prepared at the two sites, and generated average amounts of \$1,676 and \$1,168, respectively in earned income tax credits and child tax credits to (31) taxpayers. Also, about fifteen (15) taxpayers qualified for the education credit, which averaged about \$935. Additionally three (3) elderly taxpayers qualified for an average credit of about \$123. An immediate result of financial education through this program is that about fifty-eight (58) percent of the taxpayers using the sites selected to receive their tax refunds by direct deposit.

4. Associated Knowledge Areas

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

Program activities were affected by factors such economic conditions in the region and low-asset communities, as well as competing programmatic outreach challenges in the absence of better partnerships or collaborations.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

About 42 Taxpayers who used the free tax assistance program received refunds, at an average of about \$ 1,200 each. Seventy percent of these taxpayers selected to receive their tax refunds by direct deposit and more than half indicated an intention to save portions of their tax refunds. Five taxpayers were actually referred to a local bank to open new bank accounts in order to be able to receive their refunds by direct deposit. Another taxpayer also selected to purchase a savings bond with a portion of the tax refunds.

Also, through its revolving loan and entrepreneurship training program, the Tusk-Mac CDC is still making microloans loans to small businesses for a total of nearly \$120,000 still out there. Two new businesses were opened in the area over the past year.

Key Items of Evaluation

TUCE has continued to strengthen its efforts in providing small business development and technical assistance programs as a way of promoting community economic development. As much as housing assistance, personal finance management, and job skills development remain key aspects of this program area, additional effort is being geared towards organizational finance and record keeping in order to assist community-based organizations to improve their financial record keeping practices to be able to attract outside funding and expand the services that they offer to the community. Our resource staff has designed and implemented an organizational finance course that follows a step-by-step approach to understanding organizational finance and cash flow systems.

Participating organizations that have followed the recommended practices, have reported financial savings for their organization, and have become eligible recipients of grants based on the knowledge and skills provided by this training.

V(A). Planned Program (Summary)

Program # 4

1. Name of the Planned Program

Sustainable Energy and Integrated Natural Resources

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
104	Protect Soil from Harmful Effects of Natural Elements		10%		
111	Conservation and Efficient Use of Water		10%		
112	Watershed Protection and Management		10%		
123	Management and Sustainability of Forest Resources		15%		
125	Agroforestry		10%		
131	Alternative Uses of Land		10%		
132	Weather and Climate		15%		
133	Pollution Prevention and Mitigation		10%		
141	Air Resource Protection and Management		10%		
	Total		100%		

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	2.5	0.0	0.0
Actual Paid Professional	0.0	4.2	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

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	321786	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	213369	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	100000	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

This program area involved training and technical assistance primarily related to adoption of improved land, water, energy and environmental protection practices. It included:

- The Water Quality Education Program
- Energy Audits and Alternative Energy Education
- Water Festivals
- Other natural resource education opportunities for youth
- Annual Alabama Forestry Camp
- Technical Assistance to landowners, hunters and the general public regarding the control of persistent nuisance wildlife

2. Brief description of the target audience

The target audience consisted of youths and adults, rural and urban agriculture clientele with needs in the areas of natural resources, water quality and environmental management, including environmental health and justice issues, as well as issues in climate change and sustainable energy.

3. How was eXtension used?

eXtension was used as general source of educational materials.

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	2622	2730	958	737

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

Patent Applications Submitted

Year: 2013

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Underserved Black Belt area grade school students will be exposed to specific age appropriate educational activities designed to reinforce current classroom instructional curriculums. While targeting the youth, parents, volunteers and community leaders will also be provided necessary instructions in responsible environmental stewardship practices and principles, including information on climate change and sustainable energy.

Year	Actual
2013	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Youth participants will acquire knowledge, skills and awareness regarding well head protection, point/non-point source pollution, environmental stewardship, management of natural resources and water conservation, as well as climate change and sustainable energy. Adult participants will incorporate skills/knowledge and change behavior related to: pollution prevention, management of water resources, litter disposal and waste management, conservation and recycling of natural resources and safe and effective use of fertilizers and pesticides. Awareness will be acquired in climate change and sustainable energy.

Outcome #1

1. Outcome Measures

Youth participants will acquire knowledge, skills and awareness regarding well head protection, point/non-point source pollution, environmental stewardship, management of natural resources and water conservation, as well as climate change and sustainable energy. Adult participants will incorporate skills/knowledge and change behavior related to: pollution prevention, management of water resources, litter disposal and waste management, conservation and recycling of natural resources and safe and effective use of fertilizers and pesticides. Awareness will be acquired in climate change and sustainable energy.

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Annually TUCE County Agents along with the Alabama Cooperative System, various Alabama public agencies, and private entities including landowners join County Public School Systems to provide natural resource educational opportunities to youth in various middle and high school grades. In two counties, course and curriculum training were provided to educate fifth grade students and their teachers about multiple use management of Alabama's forest, water, soil and wildlife.

What has been done

Youth educational meetings concerning forestry for 4th grade students served more than 158 students, and 30 adults comprising teachers, instructors, volunteers and presenters. In Sumter and Marengo Counties, ten (10) different elementary schools introduced nearly 400 students to the many lifelong lessons of natural resources and environmental education. Students were exposed to topics such as the importance of forestry thinning, disease identification, role of forest as a provider of food, water and shelter for wildlife. Students also learned the importance of healthy soils to all living things. Other meetings in Lowndes County prepared twenty-one (21) youths and eight (8) adults for tree identification programs that will help them to place ID tags on trees along walking trails in a local park.

Results

Teachers and group leaders indicated that 86 percent of students increased their knowledge on the discussed topics. More than 73 percent of students increased knowledge of forestry through

participation in the outdoor class learning activity.

4. Associated Knowledge Areas

KA Code	Knowledge Area
104	Protect Soil from Harmful Effects of Natural Elements
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
125	Agroforestry
131	Alternative Uses of Land
132	Weather and Climate
133	Pollution Prevention and Mitigation
141	Air Resource Protection and Management

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 Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

Activities scheduled for this program area were affected by extreme weather conditions causing some field activities to be cancelled and competing programmatic challenges which led to lower participation rates for some workshops.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Teachers and group leaders of students who attended the water festivals and other youth education workshops indicated that most of the students increased their knowledge on the discussed topics. More than 75% of students increased knowledge of forestry information through participation in the outdoor class learning activity. Ten property owners were also assisted with one-on-one visits to provide assistance on managing and controlling nuisance wildlife such as Wild Hogs, Beavers, and Coyotes for landowners, hunters, and the general public.

A number of energy audits, site evaluations, and renewable energy workshops have been conducted throughout the state of Alabama including 6 workshops on the economic benefit of bio-energy, and 12 energy audits, site evaluations and feasibility studies.

Key Items of Evaluation

As much as efforts in forestry and other natural resources management education continue, more emphasis is being laid on renewable energy and energy audit education, water quality education and environmental protection for youth and adults.

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Childhood Obesity, Nutrition, and Healthy Lifestyles

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior		20%		
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources		20%		
722	Zoonotic Diseases and Parasites Affecting Humans		20%		
723	Hazards to Human Health and Safety		20%		
724	Healthy Lifestyle		20%		
	Total		100%		

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	4.5	0.0	0.0
Actual Paid Professional	0.0	4.6	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

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	235214	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	128000	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	112816	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Through this program, a range of educational opportunities were offered year-round along with special learning events. These comprised techniques such as group instruction, individual instruction, food demonstrations, health fair exhibits, hands-on-activities, and printed and online materials. Major special events consisted of Senior Olympics for senior citizens and a Summer Health and Fitness Academy (SHAFA) for youth. Specific activities were included in

- Enhancing Head Start on Healthy Start by Kindegarten (HS-HS/K)
- "Skegee Fit" and Focus on Fitness (Let's Move) Program
- Summer Health and Fitness Academy (SHAFA)
- Summer Youth College
- Group classes on obesity management
- Seniors Olympics
- Diabetes Support and Education Group
- School vegetable gardens
- High school greenhouses

2. Brief description of the target audience

The target audience consisted of under-served and under-represented pre-scholers, other youth and adult populations in the twelve Black Belt and surrounding counties of Alabama.

3. How was eXtension used?

Small Steps to Wealth and Health materials on eXtension and from sister land grant institutions were heavily used as references.

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	9552	4534	5392	3905

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

Patent Applications Submitted

Year: 2013
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- This Program will follow Outcome Evaluation Methods by Green and Kreuter, 1991. This type of evaluation will provide data concerning short-term effects of the program, including increased awareness and knowledge, expressed intentions to make recommended changes, and responses to public service announcements. The measures can be self reported (interviews with the intended audience) evident changes in the number of people being screened for a cardiovascular (CVD) risk factor at a local health fair or a comparative study (comparing CVD knowledge of participating audience and of similar group that did not receive the intervention).

Year	Actual
2013	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	The outcome is to decrease the risk of degenerative diseases, improve the quality of life, maintain reasonable weight by monitoring caloric consumption, control disease through diet, exercise, medication, and stress management. Participants will incorporate skills and change behavior; the number of people following guidelines on most 60-minutes, 5 days a week will increase; the percent of participants using food guide pyramids and dietary guidelines will increase and the percent of participants reporting improved quality of life will increase.

Outcome #1

1. Outcome Measures

The outcome is to decrease the risk of degenerative diseases, improve the quality of life, maintain reasonable weight by monitoring caloric consumption, control disease through diet, exercise, medication, and stress management. Participants will incorporate skills and change behavior; the number of people following guidelines on most 60-minutes, 5 days a week will increase; the percent of participants using food guide pyramids and dietary guidelines will increase and the percent of participants reporting improved quality of life will increase.

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The HS/HS-K project offers year-round initiatives regarding nutrition and physical activity training designed for three and four year old preschoolers. This program area focuses on promoting healthy nutrition and lifestyles as a way of preventing childhood obesity and cardio-vascular diseases.

What has been done

Through this program, a range of educational opportunities are offered year-round along with special learning events. These comprise techniques such as group instruction, individual instruction, food demonstrations, health fair exhibits, hands-on-activities, and printed and online materials. Head start teachers, food service staff, and caregivers (parents) were introduced to initial training using the Color Me Healthy Curriculum. Cooking demonstrations used a mobile kitchen and reached 107 parents and staff from Greene and Hale Counties, Alabama. Parents and staff were provided demonstrations on how to prepare cost effective, family friendly, healthy meals. Technology labs were continuously utilized, providing children and staff the ability to effectively navigate supplemental learning opportunities for healthy living.

Results

Physical activity observations were conducted in December 2012 at all participating HS/HS-K sites. From the data collected, it is indicated that kids enjoy their physical activity. Eighty (80) percent of the kids were engaged in physical activity eighty (80) percent of the time allowed for physical activity. Through encouragement by this program, there was a 100 percent increase in participation in the 10-week weight loss competition, Scale Back Alabama, a statewide campaign

held the first of each year to encourage Alabamians to get healthier by losing weight and exercising.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
722	Zoonotic Diseases and Parasites Affecting Humans
723	Hazards to Human Health and Safety
724	Healthy Lifestyle

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

Program outcomes were affected by economic conditions challenges brought forth by new immigration state policies as evidenced by the number of parents who indicated they could not afford to be part of government related programs. Participation rates were slightly lower compared to the previous year.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Youth and adult participants who participated in nutrition and health awareness programs have been educated on the importance of diet and exercise in obesity and chronic diseases prevention. Almost all the participants in these programs have indicated an intended willingness to change their behavior by making more healthy food choices, staying active and being healthy. Follow up evaluations indicate that students are still making wise choices with fast food; parents report students are keeping them conscious of the foods they purchase; and students report using less salt and also preparing more healthier meals and snacks.

Head Start food preparers' have also changed the way they prepare and serve foods to children by reducing unnecessary inclusion of sugar, salts and oils in preparation of foods for preschool children. Parents and adult participants have been exposed to and are more conscious of their dietary and physical activity needs and habits. Through personal testimony it has been noted that parents have changed the ingredients that they use to prepare meals. For example, substituting beef with turkey and using olive oil in lieu of butter. Community partnerships have been established in order to provide assistance in

promoting and sustaining the program across their individual counties.

Key Items of Evaluation

TUCE continues to focus on promoting healthy nutrition and lifestyles as a way of preventing childhood obesity and cardio-vascular diseases through the EFNEP partnership, CYFAR, extended SHAFAs, "Skegee Fit", Senior Olympics and Health Awareness Education Programs.

V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Food Safety

- Reporting on this Program

Reason for not reporting

Not reporting separately because organizationally, the bulk of activities are taking place under the Global Food Security, Small Scale and landownership program area and "Outreach" arm of the college. As integration and related organization of research and extension become clear, the reporting will be brought under this program area next year.

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
503	Quality Maintenance in Storing and Marketing Food Products		34%		
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources		33%		
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins		33%		
	Total		100%		

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.5	0.0	0.0
Actual Paid Professional	0.0	0.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

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	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	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

This new program area is being developed to focus its major efforts on Hazard Analysis Critical Control Points (HACCP) education primarily at the producer level among small and limited resource farmers in the Black Belt counties of Alabama. Program activities involved food safety education for children, youth as well as families at risk through the EFNEP and CYFAR programs. An additional activity consisted of:

-GAP (Good Agricultural Practices) Certification

2. Brief description of the target audience

The target audiences consisted of small and limited resource producers in the Black Beltt counties, children youth and failmilies at risk, as well as other limited resource households.

3. How was eXtension used?

Not reported

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2013
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- {No Data Entered}

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Outcome measures are yet to be developed

Outcome #1

1. Outcome Measures

Outcome measures are yet to be developed

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
503	Quality Maintenance in Storing and Marketing Food Products
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Appropriations changes
- Public Policy changes
- Competing Programmatic Challenges

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 7

1. Name of the Planned Program

Climate Change

- Reporting on this Program

Reason for not reporting

Shortage of staff as plans are underway to strengthen this new program thrust in Extension. Plans are to report separately under this program within two years, as research-extension integration moves forward in the college.

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	0.0	0.0
Actual Paid Professional	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

V(D). Planned Program (Activity)

1. Brief description of the Activity

Activities to be scheduled for this program area will include educational and informational sessions, workshops and group discussions as well as field demonstrations.

2. Brief description of the target audience

The target audiences for this program area will include small and limited resource farmers, forests and landowners, youth and the general population.

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2013

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- {No Data Entered}

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Outcomes are yet to be determined

Outcome #1

1. Outcome Measures

Outcomes are yet to be determined

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Appropriations changes
- Public Policy changes

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}