

2013 Tuskegee University Extension Plan of Work

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I. Plan Overview

1. Brief Summary about Plan Of Work

Tuskegee University is a national, independent, and coeducational institution of higher learning located within the State of Alabama. The Instruction, Research, and Service Programs, together with certain acts of the United States Congress and the State of Alabama, define Tuskegee University as a Land-Grant University. In concordance with recent USDA actions to streamline, enhance and integrate research, education and extension capabilities (REE 2012), recent restructuring of Tuskegee University's academic, research and outreach programs included administrative placement of the Tuskegee University Cooperative Extension Program (TUCEP) within the new College of Agriculture, Environment and Nutrition Sciences.

TUCEP in partnership with the Evans Allen Research Program, Carver Integrative Sustainability Center (USDA 1890 Center of Excellence) and other research, teaching and outreach units carries out a comprehensive statewide Extension Plan of Work. TUCEP continues to focus its major efforts in Alabama Black Belt and adjacent counties, but has 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 will be made toward several 3(d) and other NIFA program objectives as funds become available.

This Extension Program Plan of Work includes seven program areas, estimated FTEs, the merit review process, evaluation of multistate and joint activities, stakeholder input, and planned programs. The seven Program Areas and related Extension Team Projects or Initiatives are listed and described below. They serve as a mechanism to continue subject matter foci, with an effort to create scale throughout Tuskegee University's service area and foster integrative Extension, Research and Education activities and programs, where appropriate. Measurable impacts are predicated on the use of the Logic Model in all programming.

(1) Youth Entrepreneurial Initiatives and Workforce Development. This program area focuses on youth development in the areas of entrepreneurship, technology and science education and workforce development. The objectives are to provide youth and young adults exposure to a variety of entrepreneurial curriculums, programs, and models; provide science and technology education to increase knowledge and skills by engaging participants in experiential "hands-on-learning"; and to improve leadership and job skills through the development of entrepreneurship and leadership education. Sub-ETPs and initiatives include 4-H and Youth Development, Children, Youth and Families at Risk (CYFAR); Youth Entrepreneurship and Summer Camps, Summer Youth College, Youth Technology Academy, and Collegiate Entrepreneurship and Science Education and Leadership.

(2) Global Food Security, Small Scale Farming, and Landownership. This program area addresses the issues of declining numbers of small-scale producers, land loss by small-scale farmers, strategies for the survival of small-scale farms and rural communities, challenges in adopting new technologies and marketing opportunities, and the growing concern relative to the use of chemicals, preservation methods, and food safety. The primary objective is to increase profitability and sustainability for small-scale farmers and landowners who continue to face production, financial, and marketing challenges due to the size of their operations as well as other historical and environmental factors. The sub-ETPs and initiatives include

Sustainable Agriculture Practices, Community Gardening, Beginning Farmer and Rancher Development Program, Small Ruminants and Livestock Management Programs, Cooperative Marketing, and Forest Landowner Education and Youth Forestry Camp Program.

(3) **Community, Business and Resource Development.** This program area primarily focuses on 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 enhance the leadership capacity of individuals, organizations, and communities; assist business owners with business planning and tools for sound decision-making; assist individuals with job skills development and management, as well as personal finance management. Sub-ETPs include Small Business and Entrepreneurship Development, Volunteer Income Tax Assistance and Personal Finance Education, Housing and Asset Development Education Program, Leadership and Community Revitalization, and Workforce Development.

(4) **Sustainable Energy and Integrated Natural Resources.** This program area addresses a variety of critical educational needs in the areas of natural resources management, water quality and environmental education, and alternative energy education. The objective is to provide education that will lead to increased knowledge and awareness on natural resources and environmental management issues and consequent adoption of improved land, water, energy and environmental protection practices. Sub-ETPs and initiatives include Water Quality and Environmental Education Program, Energy Audits and Alternative Energy Education, and Renewable Resource Extension Education.

5) **Childhood Obesity, Nutrition and Healthy Lifestyles.** This program area focuses on promoting healthy nutrition and lifestyles as a way of preventing childhood obesity and cardio-vascular diseases. The primary objective is to teach participants to use what they learn to positively change behavior with efforts to increase awareness among racial and ethnic minority groups in Alabama about risk factors of heart disease, stroke, high blood pressure, diabetes, cancer and obesity. Sub-ETPs and initiatives include Expanded Food Nutrition and Education Program (EFNEP), Expanded Summer Health and Fitness Academy (SHAFA), Families First: Nutrition Education and Wellness Program, Senior Olympics Program, "Skegee" Fit Initiative, and Reducing Health Disparities in Alabama.

6) **Food Safety.** 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. Additional program activities will involve food safety education for children, youth as well as families at risk through the EFNEP and CYFAR programs.

(7) **Climate Change.** This new program area will be developed to address climate change issues as it affects land, water, forests and natural environment as a whole.

Estimated Number of Professional FTEs/SYs total in the State.

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	26.5	0.0	0.0
2014	0.0	26.5	0.0	0.0

Estimated Number of Professional FTEs/SYs total in the State.

Year	Extension		Research	
	1862	1890	1862	1890
2015	0.0	26.5	0.0	0.0
2016	0.0	26.5	0.0	0.0
2017	0.0	0.0	0.0	0.0

II. Merit Review Process

1. The Merit Review Process that will be Employed during the 5-Year POW Cycle

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

2. Brief Explanation

The Tuskegee University Cooperative Extension Program, in collaboration with the Alabama Cooperative Extension System, began the Extension Team Project (ETP) concept in 1998. The Extension Team Projects involve teams of interdisciplinary specialists and county agents throughout the Alabama network, where each project focuses on specific related problems. Each year, TUCEP specialists, county agents, and advisory council members will review the Extension Team Projects for recommended changes. This will constitute the internal review panel. The local advisory council members will constitute the external review team from each county unit, as well as the state advisory council members. The Program Merit Review Process Committee and the State Advisory Council members will review changes and recommendations. Recommendations from each Extension Team Project, led by TUCEP specialists and agents, will be made from the local advisory council members to the state advisory council members and the Program Merit Review Process Committee to the Extension Administrator by the Interim Director of Programs for consideration and approval.

III. Evaluation of Multis & Joint Activities

1. How will the planned programs address the critical issues of strategic importance, including those identified by the stakeholders?

Tuskegee University Cooperative Extension Program consists of seven major Program Areas and several ETPs and initiatives that address the critical issues of strategic importance, including those identified by the current stakeholders at the national, state and local levels. These projects address the issues of youth entrepreneurialship and workforce development, small-scale farming and global food security, enhancing community, business, and resource development, integrated natural resources, sustainable energy, and climate

obesity, and food safety. Also, three annual conferences, several workshops, seminars, field demonstrations, and in-service trainings are conducted at the local and state levels in plasticulture, forestry, animal science, land ownership, health and nutrition to address the critical issues the producers face.

TUCEP has increased its participation in many of the 1890 program activities, including multistate programs. The 1890 Land-Grant Institution's Strategic Plan provides a framework to facilitate increased collaboration in the various states. One goal of the Association of Extension Administrators (AEA) and the Association of Research Directors (ARD) is to develop and maintain open lines of communications between AEA and ARD which foster integration and collaborative relationships to aid in the growth of the 1890 Land-Grant System. Different national teams have been developed to enhance this process. One such team is the 1890 Community Development Program Team with a long range goal supporting the idea that communities and their youth, individuals, and families will have enhanced economic and social well-being. This goal will be achieved by equipping people with workplace readiness skills and resources to improve their economic status through educational activities. Key components of the program will include resources to reduce debt, increase savings, build assets, increase the capacity of communities to enhance their economic growth through small business development, and increase the leadership capacity of community members to individually and collectively identify and address existing and emerging challenges and opportunities.

2. How will the planned programs address the needs of under-served and under-represented populations of the State(s)?

Planned programs will address the needs of under-served and under-represented populations by using appropriate information from research-based materials, needs assessments, workshops, conferences, seminars, demonstrations, media information, and involvement of individuals, groups, and local participating organizations. Under-served and under-represented populations will be recruited one-on-one and in small group to participate or become engaged in extension activities. The goal is to improve the quality of life for all the people served.

3. How will the planned programs describe the expected outcomes and impacts?

The workshops, conferences, demonstrations, and other educational activities will improve and increase awareness, increase knowledge, and develop skills; increase profitability, promote sustainability, self sufficiency, prevent certain diseases, and enhance the quality of life for the clients served in the targeted area.

4. How will the planned programs result in improved program effectiveness and/or

Using the logic model helps to organize and systemize program planning, management, and evaluation functions. These functions include: program design and planning, program implementation, program evaluation and strategic reporting. Since the most basic program logic model is a picture of how the program works -- the theory and assumptions underlying the program -- the planned program herein provides structure and directions which help streamline program effectiveness and efficiency in program implementation and outcomes. Also, this model provides accountability by relating inputs, outputs, and outcomes. A programmer knows in the planning stage what is expected before becoming engaged in project implementation. This model provides both effectiveness and efficiency, and a more constructive use of time and resources.

IV. Stakeholder Input

1. Actions taken to seek stakeholder input that encourages 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.

To ensure Extension program relevance and quality, Tuskegee University Cooperative Extension Program has strengthened its relationships with various interest groups in the communities it serves in the 12 Black Belt counties and throughout the State of Alabama by forming County and State Advisory Councils in addition to a Merit Review Committee.

Six County Advisory Councils are established in 12 Alabama Black Belt counties. Membership on these councils consists of established and emerging leaders of existing and targeted clientele organizations.

From this membership, representatives serve on the State Advisory Council and include farmers, educators, public officials, and other individuals. The State Advisory Council consists of a diverse group of committed lay and professionals who team with the administrators, specialists, and agents to give advice, plan, implement, deliver, evaluate and report results/impacts that improve the quality of life for the participants. The State Advisory Council is organized into the following committees: (1) Youth entrepreneurial initiatives and workforce development, (2) Global food security and small-scale farming, (3) Enhancing Citizens' capacity to transform communities (business development, leadership and community economic development), and volunteer development, (4) Climate change, sustainable energy, and integrated natural resources, (5) childhood obesity, and (6) food safety, and (7) the legislative committee. However, the State Advisory Council will be reorganized to include the Merit Review Committee. The annual meeting of the State Advisory Council is held in February. Quarterly or semi-annual meetings are scheduled on the basis of need to address critical issues/needs. Also, each of the six Extension County Units has Program Action Committees (PAC) which help to identify problems/issues that are relevant to the local needs of clientele in each area of Extension activity, and provide input into program planning, implementation, and evaluation for the Annual Plan of Work.

2(A). A brief statement of the process that will be 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.

The processes that will be used to identify individuals and groups will consist of public listening sessions, program action committees, forums, farmers conference, economic development summit, county advisory council members, state advisory council members, and local community elected officials.

The methods used to identify individuals, groups, and stakeholders will consist of local public meetings, making public announcements on radio, television, newspapers, leaflets, and community organizations, including faith-based institutions, where possible, and specialists and agent contacts.

2(B). A brief statement of the process that will be 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 used for collecting stakeholders' input will be listening sessions, interactive methods (discussion groups), recommendations from program action committees, county advisory council members, state advisory council members, and local community elected officials. Problems/issues identified from each county Extension unit will be forwarded

to all levels for review and recommendations until a final decision is made. Priority will be given to those areas affecting the greatest number of people.

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.

Input will be considered based upon needs of the clientele and priorities of the Extension program goals and objectives, such as budgeting, emerging issues, and redirecting extension programs.

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

2. Brief summary about Planned Program

The future workforce needs of Alabama's Black Belt counties will depend on establishing future entrepreneurs. Shifts in the Black Belt's economy point to the necessity of preparing youths and adults for employable futures. YEI can be viewed as a first step in preparing both youth-at-risk and adults for participation in Alabama's workforce and for self-employment. YEI is a catalyst for workforce development in the Black Belt. YEI attempts to build a systematic approach involving youth, adult volunteers, Alabama citizens, and the Cooperative Extension Program in an entrepreneurial education initiative. Assessment of each activity associated with the conduct of this project will be taken. Pre and post tests will be conducted for all curriculum materials. Follow-up surveys will be sent out to determine if project participants implemented any new businesses in their county, and whether or not the information proved helpful in the conduct of existing businesses. All participants will complete the following evaluation instruments: participants' attendance list and assessment of activities; pre and post test instruments associated with curriculum materials; list of start up businesses, schools participating, and community agencies involved in the conduct of this program area. Data will be analyzed and impacts

3. Program existence : Intermediate (One to five years)

4. Program duration : Medium Term (One to five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

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

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

The Alabama Black Belt Region comprises the targeted twelve counties programming area for

Tuskegee University Cooperative Extension Program. Persistent poverty in this region is being perpetuated by financially distressed school systems, lack of economic development, unskilled labor forces, high unemployment rates, high school drop out rates, and excessive number of social services participants. The Youth Entrepreneurial Initiative and Workforce Development program area is an effort to provide informational, community-based experiential and educational opportunities to rural youths and and collegiate students interested in exploring entrepreneurial endeavors and acquiring job related skills.

2. Scope of the Program

- In-State Extension
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The future economic development of the Black Belt will depend on establishing future entrepreneurs. Shifts in the Black Belt's economy point to the necessity of preparing youths and adults for employable futures and small business development.

2. Ultimate goal(s) of this Program

The objectives of this Program area are to provide youth and other collegiate students exposure to a variety of entrepreneurial curriculums, programs, and models, allow participants to examine on-going programs and curricula that emphasize entrepreneurial education and encourage partnering with local businesses to enhance entrepreneurial skills, engage participants in experiential "hands-on-learning", and explore the development of entrepreneurship education. From their training, youth will develop their own small businesses.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	4.0	0.0	0.0
2014	0.0	4.0	0.0	0.0
2015	0.0	4.0	0.0	0.0
2016	0.0	4.0	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Key program activities will include 4-H activities, youth entrepreneurial camps, collegiate entrepreneurial and science educational outreach activities, youth technology academies, workforce development trainings, youth leadership academy and the annual Youth Empowerment Summit. The

implementation of entrepreneurial and workforce development trainings will be conducted in schools, on college campuses, in community settings, and in youth camps. There will be pre- and post evaluations of participant's prior knowledge of entrepreneurship and an acquisition of selected job skills.

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Group Discussion ● One-on-One Intervention ● Demonstrations 	<ul style="list-style-type: none"> ● Newsletters ● TV Media Programs ● Other 1 (Request by community agencies)

3. Description of targeted 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.

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

1. Output Measure

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

- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

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 Target

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. Outcome Type : Change in Knowledge Outcome Measure

3. Associated Knowledge Area(s)

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

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

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

Description

External factors which may affect outcomes are the economy, lack of available financial resources, public policy changes, competing programmatic challenges, and lack of job opportunities in industry.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

All participants will be tested to determine their prior knowledge of entrepreneurship and current jobs skills, as well as knowledge and skills acquired. Student participants will be compared to cohorts that did not receive training.

V(A). Planned Program (Summary)

Program # 2

1. Name of the Planned Program

Global Food Security, Small-Scale Farming, and Landownership

2. Brief summary about Planned Program

Global food security and small-scale farming addresses the challenges facing small-scale producers, their families, and their communities. 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. This Program area emphasizes the following ETPs and/or initiatives: Sustainable Agriculture Practices and Community Gardening, Beginning Farmer and Rancher Development, Small Ruminants and Livestock Production, Small Farm outreach, Training, and Technical Assistance, Cooperative Marketing, Forest Landowners Education, Youth Forestry Camps, etc. Collectively, this project will result in small-scale producers and/or communities making informed and research-based decisions, because they will understand the nature of change in agriculture; understand and be able to use tools, strategies, and techniques that are applicable to them. Also, they will increase profitability and sustainability, thus improving their quality of life.

3. Program existence : Mature (More than five years)

4. Program duration : Medium Term (One to five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

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		15%		
141	Air Resource Protection and Management		5%		
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 (Situation and Scope)

1. Situation and priorities

This program area addresses the challenges facing small-scale producers, their families, and their communities. Impacts from this project will result in small-scale producers and/or their communities making informed and research-based decisions; understanding the nature of change in agricultural production, as well as being able to use tools, strategies, and techniques that are applicable to them in increasing profitability and sustainability. Also, attention is given to a growing concern relative to the use of chemicals, preservation methods, and food safety.

2. Scope of the Program

- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Farmers, landowners, and their families will accept the information provided,
 Partners and agencies will cooperate with project personnel,
 Funding will be available to execute project,
 Appropriate personnel will be hired to implement project, and
 Personnel will adhere to government regulations

2. Ultimate goal(s) of this Program

The ultimate goal of this program is to increase production, profitability and sustainability for small-scale producers in order to enhance global food security and improve their quality of life.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	10.5	0.0	0.0
2014	0.0	10.5	0.0	0.0
2015	0.0	10.5	0.0	0.0
2016	0.0	10.5	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

The primary program activities will consist of general educational sessions, workshops, group discussions, conferences and field demonstrations such as the sustainable agriculture field day, annual farmers' conference, master goat certification program, pasture and forage management workshop, and integrated pest management sessions. Additionally, the potential benefits for application of remote sensing in small agriculture production will also be explored. These activities will be given in the areas of fruits and vegetables, animal production, and underserved non-industrial forest land ownership management.

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Group Discussion ● One-on-One Intervention ● Demonstrations 	<ul style="list-style-type: none"> ● Public Service Announcement ● Newsletters ● Web sites other than eXtension

3. Description of targeted audience

The targeted audience will consist of small-scale producers and landowners in the 12 Black Belt and surrounding counties in Alabama.

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

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.
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

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 Target

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. Outcome Type : Change in Knowledge Outcome Measure

3. Associated Knowledge Area(s)

- 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

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

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

Description

Weather and climatic conditions, government, pest and diseases, economy, cultural factors and infrastructure will affect the outcomes.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

The evaluations will measure results in small-scale producers and/or communities making

informed and research-based decisions, understanding the nature of changes in agriculture, understanding and being able to use tools, strategies, and techniques that are applicable to them and increasing production, profitability and sustainability, thus improving their quality of life.

V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

Community, Business and Resource Development

2. Brief summary about Planned Program

This program will focus on community resources and leadership development, business and entrepreneurial development, individual and family financial management, and home ownership and asset development and education, etc. ETPs and initiatives include Small Business and Entrepreneurship Development, Volunteer Income Tax Assistance and Personal Finance Education, Housing and Asset Development and Education, Leadership and Community Revitalization, etc.

3. Program existence : Intermediate (One to five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

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 (Situation and Scope)

1. Situation and priorities

Social and economic indicators in the Black Belt counties of Alabama show low levels of income, education, and high levels of unemployment and poverty. In 2008, a report, Bridging the Gap:Alabama's Working Families and the Broken Promise of Economic Opportunity, states, "More than one-third of all working families in Alabama are low-income, earning less than 200 percent of the federal poverty threshold. . .Alabama's public policies have failed to make available to low-income workers the education, skills certification or training necessary to compete in a 21st-century economy. Alabama's budgeting and taxation processes have failed to provide the resources to support policies that can assist workers in meeting their families' needs and places a disproportionate tax burden on low-income workers". This program area therefore aims at enhancing the capacity of citizens to transform their communities through individual leadership and resource management and business planning and technical assistance.

2. Scope of the Program

- In-State Extension
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Start-up businesses and existing business owners will accept the information provided. Partners and agencies will cooperate with project personnel. Policies at the the state level will enacted to reduce prredatory practices from the business community. Funding will be available to execute special outreach efforts. Appropriate personnel will be hired to implement projects.

2. Ultimate goal(s) of this Program

This program and related activities will assist business owners with business planning as well as help with other tools for sound decision-making, especially financial and long-term planning. The Individual Leadership focus will enhance the leadership capacity of individuals, organizations, community residents and leaders with requisite skills in leadership.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	4.5	0.0	0.0
2014	0.0	4.5	0.0	0.0
2015	0.0	4.5	0.0	0.0
2016	0.0	4.5	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Extension activities will include business and leadership development skills workshops, resource development and proposal writing, business and personal finance planning workshops, one-on-one technical assistance for loan applications and volunteer tax assistance, short-term skills training, county leadership development, and and home ownership, and personal finance management in collaboration with other community agencies. the annual Booker T. Waashington Economic Development Summit will also continue to be a primary outreach and educational conference for this program area.

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods

<ul style="list-style-type: none">● Education Class● Workshop● Group Discussion● One-on-One Intervention	<ul style="list-style-type: none">● Public Service Announcement● Newsletters● TV Media Programs● Web sites other than eXtension
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3. Description of targeted audience

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

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

1. Output Measure

- Participants will be trained in leadership skills development, business planning and management, and how to access loans and other resources.
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

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 Target

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

2. Outcome Type : Change in Knowledge Outcome Measure

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation
- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect 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.)

Description

Government policies, economy, cultural factors, lack of access to information technology infrastructure, and private business loans tend to remain more of a challenge in the small rural communities and are likely to affect the outcomes of the program

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

Participants will be given pre and post test to determine their knowledge of business and leadership development skills. Records will be kept to determine the effectiveness of program intervention, the number of small businesses started and the number of loans secured.

V(A). Planned Program (Summary)

Program # 4

1. Name of the Planned Program

Sustainable Energy and Integrated Natural Resources

2. Brief summary about Planned Program

This Program area addresses a variety of critical educational needs in the areas of climate change, natural resources, water quality, and environmental management, including environmental justice issues, environmental education issues, and farm eco-system for small-scale producers and landowners, and sustainable energy. Special emphasis will also be placed on home energy management, energy audits, and septic systems management education. Additional emphasis will also be placed on natural resource management education for youth and young adults in the Black Belt region of Alabama. Immediate to moderate measurable outcomes associated with program activities will include the number of home/farm environmental assessments conducted, the number of management plans written, and plans/practices adopted. Long term outcomes will focus on the increased natural resource educational base of targeted youth, the number of young adults choosing careers in natural resources related areas, and the improved quality of area streams, private wells, watersheds as a whole. Laboratory assistance and resource support will be provided by the George Washington Carver Agricultural Experiment Station. Projects in sustainable energy and climate change will be undertaken to address to needs of clientele in the Alabama Black Belt.

3. Program existence : Intermediate (One to five years)

4. Program duration : Medium Term (One to five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

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		15%		
111	Conservation and Efficient Use of Water		10%		
112	Watershed Protection and Management		15%		
123	Management and Sustainability of Forest Resources		10%		
125	Agroforestry		10%		
131	Alternative Uses of Land		10%		
132	Weather and Climate		10%		
133	Pollution Prevention and Mitigation		10%		
141	Air Resource Protection and Management		10%		
	Total		100%		

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Natural resources and environmental education and justice are neither racial or gender specific, yet they address the lives of Alabamians across economic and rural/urban boundaries. Changing behavior is an outcome of gaining information. The impact of uniformed decisions is critical to understanding the need for change and the value of collective action by community residents especially those in the Black Belt counties in setting the "agenda" for environmental safety, preservation and sustainability. Watershed and wellhead data collection will be coordinated to complement current research needs and future expectations. As a member of the 1890 Water Quality Group, environmental assessments and water quality studies will be conducted in accordance with national standards and will become part of a region watershed impact study. Projects will be undertaken to help small-scale producers to plan for and make decisions to adapt to changing environments and sustain economic vitality, and take advantage of emerging economic opportunities caused by changes in the climate.

2. Scope of the Program

- In-State Extension
- Multistate Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

- Responsible environmental stewardship is essential to sustainable community development and resource conservation.
- Entire populations and communities need to effectively receive environmental education.The delivery of this educational information is said to be most effective in youth and young adult populations.
- Concerted efforts aimed toward responsible environmental conservation need to occur on every level (private well owners - elected officials).
- The overall environmental health of any community ultimately depends upon the entire realm of physical-physiological indicators, including climate change and sustainable energy.

2. Ultimate goal(s) of this Program

The objectives are to address a variety of critical educational needs in the areas of natural resources, water quality, and environmental management, including environmental justice issues.Also, sub ETPs will increase environmental awareness--in climate change and sustainable energy--promote responsible environmental stewardship among Alabamians, as a whole, and particularly its rural minority populations. Efforts will also be geared towards assisting small-scale landowners in best practices of management and sustainability of forest resources.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	2.5	0.0	0.0
2014	0.0	2.5	0.0	0.0
2015	0.0	2.5	0.0	0.0
2016	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

The Integrated Natural Resources and Environmental Education program activities include youth programs such as the Annual Forestry Camps, Kids-N-Creek camps, Kids Day on the Farm camps and an Annual Water Festival. Other activities will involve private well testing/wellhead protection, small acreage water resource management, community awareness educational programs, household septic systems management wokships, and home air quality assessments and enrgy audits. Also, farm eco-sytems for small-scale producers will be explored. Further, workshops will be conducted in climate change and sustainable energy activities.

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods

<ul style="list-style-type: none">● Education Class● Workshop● Group Discussion● One-on-One Intervention● Demonstrations	<ul style="list-style-type: none">● Public Service Announcement● Newsletters● TV Media Programs● Web sites other than eXtension
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3. Description of targeted audience

The target audience consist 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.

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

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.

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

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 Target

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. Outcome Type : Change in Condition Outcome Measure

3. Associated Knowledge Area(s)

- 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

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect 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.)

Description

There are no other public entities that promote responsible management of private wells and landowners' resources, including all aspects of landowner liabilities. No existing agency primarily targets

environmental education in the Black Belt population of Alabama, especially the underserved portions of this population. Tuskegee University has in place a state of the art 's teaching model for indoor air quality and other environmental factors. Diagnostic testing capabilities are being revived at Tuskegee University. Tuskegee University has extensive experience of public advocacy forums surrounding environmental justice issues including landfills.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

Evaluations will be based on data concerning short term effects of the ETP, including assessments relative to increased awareness and knowledge of the content matter of this ETP, expressed intentions to follow recommended changes, and observations.

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Childhood Obesity, Nutrition, and Healthy Lifestyles

2. Brief summary about Planned Program

Tuskegee University Cooperative Extension Program is concerned about food intake and dietary patterns of limited resource families in the Alabama Black Belt. Limited resources families are at nutritional risk. Over 80% of people with Type 2 diabetes are obese or overweight. African Americans, and especially women are carrying much of the weight. A study by the Center for Disease Control and Prevention found as many as 82% of African American women in the Black Belt counties of Alabama, across the various groups, qualified as overweight or obese (Behavioral Risk Factor Surveillance System, 2004). Obesity and the risk for metabolic syndrome are increasing rapidly in Alabama. Over 40 diseases have been identified with obesity and overweight. The metabolic syndrome increases one's risk of cardiovascular events by 50%. Eleven percent of people with the metabolic syndrome progress to Type 2 diabetes each year. People with diabetes have a two to fourfold increase in cardiovascular risk in addition to the complications of diabetes. Cardiovascular disease, including heart disease and stroke, is by far the largest killer in the 12 Black Belt counties of Alabama. Children in these communities are at-risk in obesity. The problem is that many African Americans and other minority population groups generally are not aware of ways to protect themselves and their families from developing diabetes and CVD. The data also show that many minorities lack the knowledge of significant deterrents that make it difficult to adopt recommended lifestyle changes. Programs are needed on dietary standards and behavior changes. Collectively, the components of the FF-NEWS make up a curriculum that represent action plans for behavior modification by participants. The information in the curriculum is based on results of scientific and educational research, observation, and clinical trials. The curriculum is comprised of six components: an informative and instructive introductory section, four content modules and a resource/reference section. The four content modules are: (1) balancing food preferences with knowledge of nutrition, (2) health and age-related nutrition, (3) enhancing management skills, and (4) ensuring food quality and safety. Each of the content modules addresses a critical subject area related to nutrition, health and wellness. This program area includes sub-ETP's in the Expanded Food and Nutrition Education Program, Family First: Nutrition Education and Wellness, Parenting for Families at Risk, Summer Health and Fitness Academy, New Leaf Healthy Choices for Living, Prevention and Control of Economic and Zoonotic Diseases and Parasites Affecting Humans, and Reducing Health Disparities in Alabama. Also, the Media-Smart Eat, Think, and Be Active: A Workshop Curriculum for youth ages 11-13

3. Program existence : Intermediate (One to five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

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		25%		
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources		25%		
722	Zoonotic Diseases and Parasites Affecting Humans		5%		
723	Hazards to Human Health and Safety		20%		
724	Healthy Lifestyle		25%		
	Total		100%		

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

TUCEP is concerned with food intake and dietary patterns of Alabamians. Limited resource families are at nutritional risk and prone to obesity due to the existence of factors which hinder healthful food choices of this group. These families also lack the knowledge and understanding of food safety laws and many of the diseases and parasites that affect humans. Programs are therefore needed on dietary standards and behavior changes. Poor nutrition and handling of foods more often than not leads to major medical disorders for limited resource families. Priority areas for this portion of the program will address viral zoonoses, bacterial zoonoses, parasitic zoonosis, and other diseases.

2. Scope of the Program

- In-State Extension
- Multistate Extension
- Multistate Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The assumption is that limited resource families want to learn nutritional education and family well-being to prevent health disparities and live longer healthy lives; that the curriculum used will keep participants motivated and involved throughout its duration; that organizations with similar goals will partner with this program; that participants will be receptive to information provided by the program; that through the three components on nutritional education, physical activity, and behavior modification, program participants will improve overall health and maintain a better quality of life.

2. Ultimate goal(s) of this Program

The objective is to increase awareness among racial and ethnic minority groups in Alabama about the risk factors of heart disease, stroke, high blood pressure, obesity, diabetes, and cancer, as well as impact health knowledge and behavior modification. Participants will gain knowledge from health and

fitness programs offered to prevent zoonotic diseases and parasites affecting humans, and learn how to reduce hazards to human health safety. Information in the curriculum is based on results of scientific and educational research, observation, and clinical trials. The curriculum is comprised of six components: an informative and instructive introductory section, four content modules, and a resource/reference section. The four content modules are: (1) Balancing Food Preferences with Knowledge of Nutrition, (b) Health Status and Age-Related Nutrition, (c) Enhancing Management Skills, and (d) Ensuring Food Quality and Safety.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	4.5	0.0	0.0
2014	0.0	4.5	0.0	0.0
2015	0.0	4.5	0.0	0.0
2016	0.0	0.5	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Educational activities that will be held include workshops, summer programs, one-on-one intervention, in-school and after-school demonstrations and lectures and in-service training meetings for Extension agents and paraprofessionals who will participate in this program. Key program activities will include, summer youth college program, summer health and fitness academy, and EFNEP educational sessions. The team will also launch various disease prevention campaigns through health fairs, displays, workshops, seminars, mass media, and road side bill boards. Also food demonstrations, have participants keep food record; bi-weekly exercise class; weekly weigh-ins; support group/counseling.

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Group Discussion ● One-on-One Intervention ● Demonstrations 	<ul style="list-style-type: none"> ● Public Service Announcement ● Billboards ● Newsletters ● TV Media Programs ● Web sites other than eXtension

3. Description of targeted audience

The target audience will consist of under-served and under-represented youth and adult populations in the twelve Black Belt counties of Alabama.

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

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).
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

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 Target

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. Outcome Type : Change in Condition Outcome Measure

3. Associated Knowledge Area(s)

- 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

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

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

Description

Factors which may affect the outcomes are lack of funding sources, a captive audience, program location, lack of continued support of the community and local health agencies/organizations and sponsors

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

There will be formative or an ongoing evaluation on each lesson taught. Impact of nutrition, healthy life style education and childhood obesity focus will be done through statistical analysis, observations, and testimonials.

V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Food Safety

2. Brief summary about Planned Program

This program area is primarily aimed at ensuring adherence to food safety practices at the producer level and also at the consumer level. HACCP-based education will help producers to learn practices that ensure that food products are free of harmful chemicals including residues from Agriculture and other sources. General food safety educational activities will also help to increase knowledge on food safety laws and practices at the household level to include cooking temperatures, freezing and thawing requirements and proper food storage practices.

3. Program existence : New (One year or less)

4. Program duration : Short-Term (One year or less)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : No

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		20%		
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources		50%		
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins		30%		
	Total		100%		

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

TUCEP is concerned with food safety practices primarily at the producer level and therefore intends to focus its efforts on HACCP educational activities to ensure food safety and minimize chemical residues in farm products. Families also lack the knowledge and understanding of food safety laws and poor nutrition and handling of foods more often than not leads to major medical disorders for limited resource families. Programs are therefore needed to promote food safety practices both at the producer and consumer levels through education

2. Scope of the Program

- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Assumptions for this program area are yet to be developed.

2. Ultimate goal(s) of this Program

Program goals are yet to developed.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	0.5	0.0	0.0
2014	0.0	0.5	0.0	0.0
2015	0.0	0.5	0.0	0.0
2016	0.0	0.5	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Activities to be scheduled for this program area will include educational and informational sessions, workshops, group discussions, and demonstrations. A Kitchen is currently being built in T.M. Campbell Hall to be used primarily for demonstrative activities particularly for children and youth.

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> • Education Class • Workshop • Group Discussion • Demonstrations 	<ul style="list-style-type: none"> • Newsletters • Web sites other than eXtension

3. Description of targeted audience

The target audiences for these activities will be small and limited resource producers in the Black Belt counties, children youth and families at risk, as well as other limited resource households.

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

1. Output Measure

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

O. No	Outcome Name
1	Outcome measures are yet to be developed

Outcome # 1

1. Outcome Target

Outcome measures are yet to be developed

2. Outcome Type : Change in Knowledge Outcome Measure

3. Associated Knowledge Area(s)

- 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

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

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

Description

Outcomes for this program area are expected to be affected by factors such as extreme weather conditions, appropriations and public policy changes as well as competing programmatic challenges.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

Evaluation procedures are yet to be determined

V(A). Planned Program (Summary)

Program # 7

1. Name of the Planned Program

Climate Change

2. Brief summary about Planned Program

Extension aspects of this program area are currently described under the sustainable energy and intergrated natural resources program.

3. Program existence : New (One year or less)

4. Program duration : Short-Term (One year or less)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : No

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
132	Weather and Climate		100%		
	Total		100%		

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Situation and priorities for this program area are currently described under the sustainable energy and integrated natural resources management program.

2. Scope of the Program

- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Assumptions for this program area are yet to be developed.

2. Ultimate goal(s) of this Program

Specific goals for the program area are yet to be developed.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

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

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Group Discussion ● Demonstrations 	<ul style="list-style-type: none"> ● Newsletters ● Web sites other than eXtension

3. Description of targeted audience

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

V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
 - Direct Adult Contacts
 - Indirect Adult Contacts
 - Direct Youth Contacts
 - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(H). State Defined Outputs

1. Output Measure

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

V(I). State Defined Outcome

O. No	Outcome Name
1	Outcomes are yet to be determined

Outcome # 1

1. Outcome Target

Outcomes are yet to be determined

2. Outcome Type : Change in Knowledge Outcome Measure

3. Associated Knowledge Area(s)

- 132 - Weather and Climate

4. Associated Institute Type(s)

- 1890 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

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

Description

Program outcomes may be affected by such factors as extreme weather conditions, appropriation changes, and public policy changes.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

Evaluation procedures are yet to be determined.