

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: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	9.5	0.0	0.0
Actual Paid Professional	0.0	8.8	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	667660	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	406342	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

The primary program activities consisted 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. These activities were conducted in the areas of fruits and vegetables production, animal production, underserved non-industrial forest land ownership management, marketing and risk management, small farm outreach, and youth agricultural education.

TUCEP established an on-campus hoop house for demonstration purposes, in which several vegetable crops are grown as a way of presenting the opportunity for increasing vegetable production through adoption of plasticulture technology that includes hoop houses to local farmers. A hands-on demonstration of hoop house production was also conducted during the National Women In Agriculture Association meeting in April 2012, hosted by TUCEP where 20 farmers participated. Farmers also learned about sustainable agriculture, blueberry production and other fruits and vegetable production using hoop houses through a series of workshops, teleconferences, and one-on-one visits.

During the 2011 - 2012 period 21 group meetings and 299 farm visits were conducted to reach 387 farmers and ranchers which also included 69 socially disadvantaged farmers. Through these meetings, 30 farmers have completed comprehensive training in Record Keeping, Financial Management, and Production Management. Also, 78 Farm Plans have been developed and 56 USDA loan applications and other services requests have been submitted. Outreach to Vegetable farmers also resulted in a tremendous amount of marketing activity through the Walmart Heritage Project. The small farm outreach staff facilitated the formation of New Small Farmers Agricultural Cooperative whose members represent six (6) regions of the State of Alabama. The group provided 3000 cases of greens, 41 tractor trailer loads of watermelon, and 2512 cases of purple hull peas to Walmart Distribution Centers in Brundidge and Opelika, Alabama for distribution to local Walmart stores.

Extension and Research has 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 improve alternative nutrition, herd health and marketing strategies for quality goat meat and by-products. TUCEP personnel and Tuskegee University School of Veterinary Medicine provided hands on workshops, demonstrations and field days to assist one hundred and twenty-six (126) livestock producers in the Black Belt Counties. Thirty-eight (38) farm visits were conducted with technical assistance provided by TU School of Veterinary Medicine on individual farms. Educational resource materials were disseminated during the classroom setting and given upon request throughout the year.

Also, Tuskegee University held a workshop in Lowndes County to educate landowners on choosing a consulting forester, a timber sale contract, and a guide to marketing timber. The objective of the

workshop was to teach the landowner: 1) how to choose a consulting forester; 2) the different clauses of a timber sales contract; and 3) how to market timber.

About seventy eight (78) youth from the West Alabama area have also participated in a series on educational and Forest Stewardship programs including the classroom in the forest and the youth livestock show. These students obtained a working knowledge of many forestry practices such as prescribed burning, tree management, forestry measurement techniques, ecological balance, wildlife management, and career opportunities available in Agriculture and Natural Resources Management.

2. Brief description of the target audience

The targeted audience consisted of small-scale producers and landowners in the 12 Black Belt and surrounding counties in Alabama, socially disadvantaged farmers and farmer groups and organizations, as well as youth.

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	4265	10200	800	2400

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

Patent Applications Submitted

Year: 2012

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	5	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
2012	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
2012	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. TUCEP helped farmers to face these challenges through a continuous program of education and technical assistance.

What has been done

Tuskegee University's Small Farmer Outreach, Training and technical Assistance Project conducts outreach and technical assistance to encourage and assist socially disadvantaged farmers, ranchers and forest landowners (SDFRFLs) to own and operate farms and forestlands; to provide for a financially secure farm family; and to increase access to USDA loans as well as participation in farmer programs.

Results

Over the year, 78 Farm Plans have been developed and 56 USDA loan applications and other services requests have been submitted. The overall farm loan activity includes 13 Farm Ownership loans for \$2,600,000; 10 Production loans for \$900,000; 21 Facility and Housing loans for \$2,100,000 and \$30,000 respectively; and 12 cost share, equip and specialty crop grants for \$1,200,000 for a total of 56 loans and grants for \$6,830,000. These activities have helped to strengthen the growth and sustainability of limited resource producers, beginning farmers, African American Co-ops and Latino farmer groups.

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
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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. Small farmers and farmer groups have also been assisted to develop 78 Farm Plans and submit 56 USDA loan applications for a total of \$6,830,000 which is made up of 13 Farm Ownership loans for \$2,600,000; 10 Production loans for \$900,000; 21 Facility and Housing loans for \$2,100,000 and \$30,000 respectively; and 12 cost share, equip and specialty crop grants for \$1,200,000. 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, 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 progran 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.