

V(A). Planned Program (Summary)

Program # 2

1. Name of the Planned Program

Global Food Security - Sustainable Agriculture Production Systems

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		20%		0%
205	Plant Management Systems		20%		0%
211	Insects, Mites, and Other Arthropods Affecting Plants		20%		0%
301	Reproductive Performance of Animals		20%		0%
303	Genetic Improvement of Animals		20%		0%
	Total		100%		0%

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	4.0	0.0	0.0
Actual Paid Professional	0.0	4.0	0.0	0.0
Actual Volunteer	0.0	15.0	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	283882	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	133764	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

Conducted 14 educational programs addressing Sustainable Agriculture targeted at offering diversified agriculture production
 Conducted annual field day on Goat Production
 Sponsored producer and agents to National Small Farm Conference Southern Sustainable Ag. Conference and Professional Ag Workers Conference (12 producers)
 Provided one-on-one technical assistance/consultations to over 300 producers.

2. Brief description of the target audience

Small farmers; limited resource farmers; family farmers and socially disadvantaged farmers.

3. How was eXtension used?

Agents received training on establishing eXtension accounts and how to search for information to provide to clients in the counties.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	3234	7118	230	830

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	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Conduct educational programs focusing on sustainable production practices in crops and livestock. Provide one-on-one technical assistance/consultations. Assist small scale and socially disadvantaged farmers with alternative marketing plans.

Year	Actual
2012	3234

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Program participants are expected to benefit from the educational training programs, workshops and technical assistance offered by extension service personnel. This will be measured by: Number of farms adopting sustainable techniques for agricultural production, Number of farms producing alternative crops Number of farms adopting new, sustainable management practices, Number of farms participating in on-farms demonstrations in sustainable agriculture.

Outcome #1

1. Outcome Measures

Program participants are expected to benefit from the educational training programs, workshops and technical assistance offered by extension service personnel. This will be measured by: Number of farms adopting sustainable techniques for agricultural production, Number of farms producing alternative crops Number of farms adopting new, sustainable management practices, Number of farms participating in on-farms demonstrations in sustainable agriculture.

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)

Sustainability of the small family farm is important to the local communities. Many small acreage land owners are allowing their land to lay unproductive because they do not have the knowledge or insight into new high value agriculture alternatives. They are also hindered by taxes, since the land is not producing any income they find themselves unable to pay the taxes on the land.

What has been done

Extension agents and specialists work one-on-one and in small group settings on an intensive basis with small and socially disadvantaged farmers to ensure that their operations remain sustainable. Offering ideas and exposing small producers to new alternative crops such as blackberry production, Fruit and nut production, irrigated vegetable production and high tunnels.

Results

Small scale farmer and other landowners have improved their skills and their agricultural operations. They are starting to adopted new forms of agriculture production. This had led to operations becoming economically viable, socially accepted and environmentally friendly.

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants

301	Reproductive Performance of Animals
303	Genetic Improvement of Animals

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

Drought followed by heavy rains in parts of the state had an adverse effect on parts of the farming community. Likewise, certain economics factors such as the rising cost of fuel and other farming input effected many farmers. Producer who has a limited amount of land need to diversity their operations, they need to move away from cattle and hay to other more profitable agricultural enterprises.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Evaluations were conducted with each outcome program to determine client changes associated with each program. Evaluations measured knowledge gained, skills acquired, or attitude changes. 90% of the participants surveyed indicated that they benefitted from programs delivered. 75% indicated that they would or have adopted at least one agriculture practice under this program area.

Key Items of Evaluation

Producers are starting to explore sustainable agriculture practices. They are moving away from traditional agricultural models such as cattle and hay to higher value crops. The locally grown movement has been of great benefit to this program.