

# Agricultural Systems

Agricultural Systems

## V(A). Planned Program (Summary)

### 1. Name of the Planned Program

Agricultural Systems

## V(B). Program Knowledge Area(s)

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	10%		10%	
112	Watershed Protection and Management	5%		5%	
131	Alternative Uses of Land	5%		5%	
133	Pollution Prevention and Mitigation	5%		5%	
134	Outdoor Recreation	10%		10%	
204	Plant Product Quality and Utility (Preharvest)	5%		5%	
205	Plant Management Systems	5%		5%	
216	Integrated Pest Management Systems	10%		10%	
307	Animal Management Systems	5%		5%	
401	Structures, Facilities, and General Purpose Farm Supplies	5%		5%	
403	Waste Disposal, Recycling, and Reuse	5%		5%	
601	Economics of Agricultural Production and Farm Management	5%		5%	
602	Business Management, Finance, and Taxation	5%		5%	
604	Marketing and Distribution Practices	10%		10%	
605	Natural Resource and Environmental Economics	5%		5%	
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.	5%		5%	
<b>Total</b>		100%		100%	

## V(C). Planned Program (Inputs)

### 1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	8.0	0.0	0.0	0.0
<b>Actual</b>	2.9	0.0	2.0	0.0

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

Extension		Research	
<b>Smith-Lever 3b &amp; 3c</b> 46311	<b>1890 Extension</b> 0	<b>Hatch</b> 53642	<b>Evans-Allen</b> 0
<b>1862 Matching</b> 35033	<b>1890 Matching</b> 0	<b>1862 Matching</b> 54480	<b>1890 Matching</b> 0
<b>1862 All Other</b> 271798	<b>1890 All Other</b> 0	<b>1862 All Other</b> 825854	<b>1890 All Other</b> 0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

A broad range of direct and indirect methods will be used to provide information to both groups and individuals:  
 Educational meetings  
 Tours  
 Field days  
 Workshops  
 One-on-one consultations including farm visits and telephone responses.  
 Articles and media interviews in publications targeting agricultural producers and private landowners

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

Agricultural producers  
 Consultants/certifiers  
 Non-farm private landowners  
 Governmental Agency Personnel  
 Sales & service providers  
 General public

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

**1. Standard output measures**

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

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	3700	5000	0	0
2008	8026	1933	162	1

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

**Patent Applications Submitted**

**Year Target**  
**Plan:** 0  
 2008: 0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	2	2	4

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

**Output Target**

**Output #1**

**Output Measure**

# of Agricultural Systems clientele contacts from education classes, workshops, group discussions, one-on-one interventions, demonstrations, and other educational methods

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	500	8188

**Output #2**

**Output Measure**

# Of Agricultural Systems education classes, workshops, group discussions, one-on-one interventions, demonstrations, and other educational events

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	25	896

**V(G). State Defined Outcomes**

O No.	Outcome Name
1	# of clientele who reported knowledge gained
2	Value of agricultural products sold (\$1000): Other animals and other animal products
3	Acres of crops planted: "Field & Miscellaneous Crops."
4	# of clientele who make an informed decision about initiating an alternative enterprise
5	# of farmer markets

**Outcome #1**

**1. Outcome Measures**

*Not reporting on this Outcome for this Annual Report*

**2. Associated Institution Types**

**3a. Outcome Type:**

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
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**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

During 2008, several natural disasters created difficult conditions for all producers including individuals engaged in alternative enterprises. Beginning in February, many areas of state experienced floods and resulting excessive moisture, as well as storm damage from ice and wind. Many vegetable crops were planted late in the season because of flooded fields and gardens. Production in some crops was severely affected.

Soaring fuel prices, the deepening recession, and economic downturn also affect producers' operations and consequent profits. Consumer spending habits were also curtailed as well decreasing demand for some products.

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

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

- After Only (post program)
- Retrospective (post program)
- Before-After (before and after program)
- During (during program)
- Case Study

### **Evaluation Results**

Field days, workshops, and other educational events are evaluated for content and future direction during or immediately after the program. Evaluations are usually administered by the program coordinators including county agents, Extension faculty, and other program coordinators. Information gathered from evaluations is used to plan future programs, collect information about program effectiveness, and gauge participants' interest in other topics. Much of this data is then entered into an Extension database and then aggregated across individuals and programs. The reports generated provide information important for determining future educational programs.

Many educational meetings and workshops are developed collaboratively with industry, agency, and other stakeholders. These groups meet periodically to assess and evaluate programs resulting in either new and/or modified programs. Individual faculty members are also evaluated to determine program direction and modification.

Process Evaluation: Adjustments to the targets, definitions of outputs and outcomes, and changes in the the outputs and outcomes gathered are made each year based on the data we gather and changes in our understanding of the program. The Agricultural Systems program as defined here in Arkansas, tries to plan and report on programs that do not readily "fit" under the more traditional planned programs. An example of needed changes in outcomes is the outcome labeled "number of farmers markets". As our understanding of what type of data is available and what types of programs are actually on the ground, we've changed this outcome to read: the number of producers selling alternative agriculture products to farmers' markets.

### **Key Items of Evaluation**