

# Food Animal Production and Management

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

### 1. Name of the Planned Program

Food Animal Production and Management

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
302	Nutrient Utilization in Animals		100%		100%
	<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>	0.0	0.1	0.0	2.5
<b>Actual</b>	0.0	0.1	0.0	1.8

### 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	5297	0	217975
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	142278
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

For the swine, one feeding trial was completed in 2008. This involved testing the maximum inclusion level of cottonseed meal (CSM) in diets for breeding hogs and finishing pigs. Cottonseed meal is abundant in Southeast Arkansas and is cheaper than the preferred soybean meal (SBM). Increasing the level of CSM in diets for pigs has its merits and also side effects that can be measured in animal responses and is part of the basis for on-going feed trials. This is part of the on-going efforts of researching alternative energy and protein feeds that are cheap and locally available. More trials on protein feeds will continue in 2009 and results reported in 2010.

For the meat goats, further feeding trials using crop by products e.g. whole cottonseed, cotton seed hulls and broken rice continued in 2008. It was found that using alternative feeds, mainly crop by products, had no adverse effects on animal performance (gain, feed efficiency, etc.). Limited resource goat farmers in this region should lower their production costs considerably by adopting the research findings of work completed at UAPB Farm involving meat goats.

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

The targeted audience included small limited resource farmers in Southeast Arkansas, college students, high school students and Extension agents.

**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>	60	120	130	50
2008	50	150	120	80

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

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	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>	1	1	
2008	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

There will be expected reduction in the cost of production (input) relative to the meat goats and pigs which will result to improvement in the economic earnings of the small farmers. Indicators to be measured are: 1) the feed efficiency for both goats and swine; 2) feed conversion; rate of consumption of crop by-products and forages, (relative weight gain (growth) of goats and swine stocked in varying densities.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	2	2

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

<b>O No.</b>	<b>Outcome Name</b>
1	Number of papers,abstracts,reports and conference presentations

**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

Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

Inadequate animal research facilities constrained the scope of our research effort. This factor is influenced by multiple factors listed above. However, construction for a swine finishing unit was started and progressed well during the period under review. Upon completion, this facility should greatly increase our capability of conducting good research in the swine area and also help meet, in part, our research facility needs.

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

**1. Evaluation Studies Planned**

After Only (post program)

**Evaluation Results**

**Key Items of Evaluation**