

# Aquaculture Equipment and Information Development Program

Aquaculture Equipment and Information Development Program

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

### 1. Name of the Planned Program

Aquaculture Equipment and Information Development 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
402	Engineering Systems and Equipment		50%		50%
404	Instrumentation and Control Systems		50%		50%
<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	1.3	0.0	0.3
<b>Actual</b>	0.0	0.7	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	89336	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	51894	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

Tested and refined fish harvesting, grading, and sampling equipments and technologies. Developed recommendations for the appropriate and optimal use of the new equipments and technologies. Monitored commercial production facilities who adopted the new equipment and technology.

### 2. Brief description of the target audience

- Fish farmers throughout the southern region, primarily Arkansas Catfish producers
- Arkansas Game and Fish personnel
- Research scientists
- County Extension agents Catfish farmers

**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>	10	50	0	0
2008	460	250	0	0

**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	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

Number of Abstract Publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	1	5

**Output #2**

**Output Measure**

Number of Conference Presentations

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	1	7

**Output #3**

**Output Measure**

Number of Refereed Journal Publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	1	2

**Output #4**

**Output Measure**

Number of publications

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	2	0

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

O No.	Outcome Name
1	Number of Commercial Arkansas Catfish Farmers Learning About New Technologies
2	Number of Commercial Arkansas Catfish Farmers Adopting New Technologies
3	Number of Commercial Arkansas Catfish Farmers Increasing Efficiency and Profitability
4	Number of Commercial Arkansas Catfish Farmers That Learned New Methods to Access Fish Inventories
5	Number of Commercial Arkansas Fish Farmers Learning New Handheld Computer Technologies for Record Keeping
6	Number of Commercial Arkansas Catfish Farmers Accurately Assessing Their Fish Inventories
7	Number of Commercial Catfish Farmers That Utilized Hand Held Computer Technologies for Record Keeping
8	Number of Arkansas Fish Farmers who have Increased Their Management Efficiency or That Conducted Comprehensive Annual Financial and Economic Analysis Because of Better Fish Inventory Assessment Methods or the Use of Improved Computerized Record Keeping Systems
9	Percentage of Catfish Farmers that are Informed About the Effectiveness and the Optimal Sample Size of the Trawl Sampling Method Through Extension Specialists
10	Percentage of Catfish Farmers that Effectively Adopt and Use the Optimal Sample Size of Trawl sampling for Inventory Estimation
11	Percentage of Satisfaction Rate of Farmers who Adopted the Trawl Sampling with Recommended Sample Size for Inventory Estimation
12	Number of Arkansans gaining access to needed information

**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.)

**Brief Explanation**

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

**1. Evaluation Studies Planned**

Before-After (before and after program)

During (during program)

**Evaluation Results**

Grading technology were favorably adopted by industry. Inventory assessment technology needs further testing.

**Key Items of Evaluation**

Personal discussion with farmers