

# Alternative Species (Aquaculture)

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

### 1. Name of the Planned Program

Alternative Species (Aquaculture)

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
307	Animal Management Systems		100%		100%
	<b>Total</b>		100%		100%

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

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	0.0	0.5	0.0	1.5
<b>Actual</b>	0.0	0.4	0.0	0.2

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
	39785	0	36518
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	14558	0	14558
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	12554	0	29298

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

### 1. Brief description of the Activity

We compared the growth of bigmouth and smallmouth buffalo in channel catfish ponds to determine if smallmouth buffalo would be better suited for polyculture production than bigmouth buffalo.

### 2. Brief description of the target audience

Our target audience is comprised of aquaculture producers, and consumers of warmwater, scaled fish (including direct consumption and other markets, such as fish markets or restaurants).

**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>	100	300	0	0
2007	300	300	0	0

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

**Patent Applications Submitted**

**Year Target**

**Plan: 0**

2007: 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>			
2007	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

Number of Research Projects completed on Alternative Species

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	0	0

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

O No.	Outcome Name
1	Number of farmers learning alternative fish species techniques.
2	Number of farmers using alternative fish species techniques.
3	Farmers who improved their yearly income by using alternative fish species.

**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**

This study was conducted to determine if bigmouth or smallmouth buffalo fish could result in profitable polyculture fish crops for fish growers. Presently, the data suggest that neither of the two buffalo fish species would result in a measureable profit. This information may prevent some catfish growers from losing money by investing heavily in buffalo fish production.

**Key Items of Evaluation**

Alternative fish species researched for producers

Production costs analyzed

Feasibility study on use of alternative fish species conducted