V(A). Planned Program (Summary)

Program # 16
1. Name of the Planned Program
Improving Disease Status for Baitfish Production and Marketing

V(B). Program Knowledge Area(s)
1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>311</td>
<td>Animal Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>312</td>
<td>External Parasites and Pests of Animals</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>313</td>
<td>Internal Parasites in Animals</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V(C). Planned Program (Inputs)
1. Actual amount of professional FTE/SYs expended this Program

<table>
<thead>
<tr>
<th>Year: 2009</th>
<th>Extension</th>
<th></th>
<th>Research</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Plan</td>
<td>0.0</td>
<td>1.2</td>
<td>0.0</td>
<td>0.3</td>
</tr>
<tr>
<td>Actual</td>
<td>NO DATA ENTERED</td>
<td>NO DATA ENTERED</td>
<td>NO DATA ENTERED</td>
<td>NO DATA ENTERED</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith-Lever 3b &amp; 3c</td>
<td>Hatch</td>
</tr>
<tr>
<td>1890 Matching</td>
<td>1862 Matching</td>
</tr>
<tr>
<td>1890 All Other</td>
<td>1890 All Other</td>
</tr>
</tbody>
</table>

V(D). Planned Program (Activity)
1. Brief description of the Activity

Research will be conducted to
• Improve diagnostic tests for important pathogens (viral, parasitic, and bacterial)
• Improve understanding of the epidemiology of important pathogens
• Discover new pathogens responsible for fish losses
• Improve methods to eradicate pathogens from afflicted farms.

2. Brief description of the target audience
Commercial baitfish producers.

V(E). Planned Program (Outputs)
1. Standard output measures
<table>
<thead>
<tr>
<th>2009</th>
<th>Direct Contacts Adults</th>
<th>Indirect Contacts Adults</th>
<th>Direct Contacts Youth</th>
<th>Indirect Contacts Youth</th>
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</thead>
<tbody>
<tr>
<td>Plan</td>
<td>40</td>
<td>60</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Actual</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

**Patent Applications Submitted**

Year: 2009
Plan: 0
Actual: {No Data Entered}

**Patents listed**
{No Data Entered}

3. Publications (Standard General Output Measure)

**Number of Peer Reviewed Publications**

<table>
<thead>
<tr>
<th>2009</th>
<th>Extension</th>
<th>Research</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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<td>0</td>
<td></td>
</tr>
<tr>
<td>Actual</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

4. State Defined Outputs

**Output Target**

**Output #1**

**Output Measure**

- Number of publications
  - Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Number of presentations
  - Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Number of experiments and field trials of treatments for fish parasite and parasite vectors conducted on farms
  - Not reporting on this Output for this Annual Report
V(G). State Defined Outcomes

<table>
<thead>
<tr>
<th>O. No.</th>
<th>OUTCOME NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Percent of Arkansas bait and ornamental fish production farms participating in the State certification program</td>
</tr>
<tr>
<td>2</td>
<td>Number of farms that have attempted eradication procedures</td>
</tr>
</tbody>
</table>
Outcome #1

1. Outcome Measures

Percent of Arkansas bait and ornamental fish production farms participating in the State certification program

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Number of farms that have attempted eradication procedures

Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes

● Natural Disasters (drought, weather extremes, etc.)
● Appropriations changes
● Government Regulations

Brief Explanation

(No Data Entered)

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

1. Evaluation Studies Planned

● Before-After (before and after program)
● During (during program)

Evaluation Results

(No Data Entered)

Key Items of Evaluation

(No Data Entered)