

Phytoplankton (Aquaculture)

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Phytoplankton (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 |
|---------|---|-----------------|-----------------|----------------|----------------|
| 111 | Conservation and Efficient Use of Water | | 100% | | 100% |
| | Total | | 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 |
| Plan | 0.0 | 0.2 | 0.0 | 1.2 |
| Actual | 0.0 | 0.6 | 0.0 | 0.3 |

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

| Extension | | Research | |
|---------------------|----------------|----------------|----------------|
| Smith-Lever 3b & 3c | 1890 Extension | Hatch | Evans-Allen |
| | 23419 | 0 | 12285 |
| 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 | 12233 | 0 | 28163 |

V(D). Planned Program (Activity)

1. Brief description of the Activity

Water analysis and phytoplankton management practices were tested to determine feasible methods of phytoplankton management for small scale fish farmers.

2. Brief description of the target audience

All aquaculture farmers in Oklahoma.

V(E). Planned Program (Outputs)**1. Standard output measures****Target for the number of persons (contacts) reached through direct and indirect contact methods**

| | Direct Contacts Adults | Indirect Contacts Adults | Direct Contacts Youth | Indirect Contacts Youth |
|-------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| Year | Target | Target | Target | Target |
| Plan | 100 | 300 | 0 | 0 |
| 2008 | 135 | 300 | 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**

| | Extension | Research | Total |
|-------------|------------------|-----------------|--------------|
| Plan | 0 | 0 | |
| 2008 | 0 | 0 | 0 |

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

Number of Research Projects completed on Phytoplankton.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 0 | 0 |

V(G). State Defined Outcomes

| O No. | Outcome Name |
|--------------|---|
| 1 | Number of farmers learning phytoplankton management techniques. |
| 2 | Number of farmers using phytoplankton management techniques. |
| 3 | Farmers who adopted phytoplankton management techniques to contain or eradicate their phytoplankton problems. |

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 |
|------|---------------------|--------|
|------|---------------------|--------|

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

| KA Code | Knowledge Area |
|---------|----------------|
|---------|----------------|

V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought, weather extremes, etc.)

Brief Explanation

External factors did not affect outcomes.

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

1. Evaluation Studies Planned

During (during program)

Evaluation Results

Helping fish farmers reduce or eliminate the off-flavors in their catfish caused by pond phytoplankton.

Key Items of Evaluation

Effectiveness of techniques shared with fish producers in phytoplankton management.