

2007 University of Arkansas at Pine Bluff Combined Research and Extension Plan of Work

Improving Management Techniques for Baitfish

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 302 45% Nutrient Utilization in Animals
- 307 45% Animal Management Systems
- 308 10% Improved Animal Products (Before Harvest)

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Commercial production of rosy red fathead minnows in outdoor ponds is problematic due to poor survival. Based on their success in tank hatching eggs of other species, producers are interested in a similar system for fathead minnows. Priorities include improving the efficiency of fathead minnow egg collection and removal, and developing improved diets.

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

That cost effective methods for commercial fathead minnow production can be developed based upon this research and that markets are not constrained by regulations affecting the interstate shipment of live fish.

2. Ultimate goal(s) of this Program

Reduce costs of producing farm-raised minnows.

V(F). Planned Program (Activity)

1. Activity for the Program

A series of studies are being conducted on the components of an egg collection, removal and incubation system, and on new feed ingredients and strategies for feeding baitfish. Outputs will include a presentation, a popular article and journal articles.

Year 1. Journal article, popular article, abstract, poster presentation. Year 2. Newsletter article Year 3. Abstract, presentation

Year 4. Journal article Year 5. Newsletter article