# **U.S. PRODUCTION OF** *Macrobrachium SPECIES*





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2/3/2003

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## **U.S. FWP PRODUCTION**

- Food and Agriculture Organization of the United Nations (FAO)
- National Marine Fisheries Service (NMFS)
- U.S. Department of Agriculture (USDA)
- U.S. Joint Sub-Committee on Aquaculture (JSA)
- U.S. Prawn and Shrimp Growers Association (PSGA)

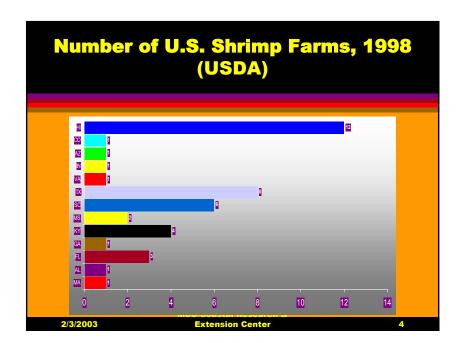
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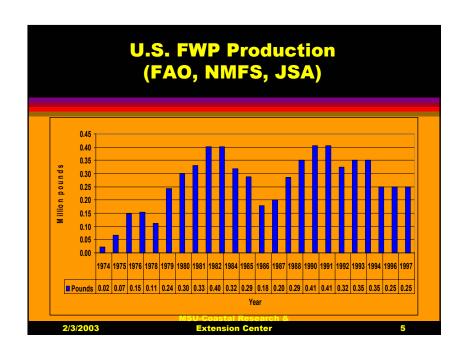
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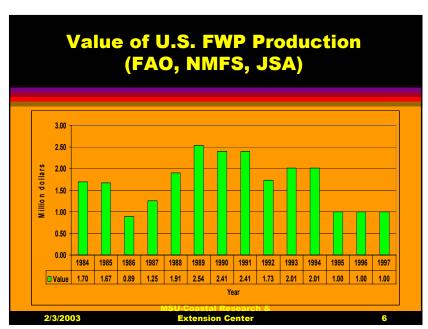
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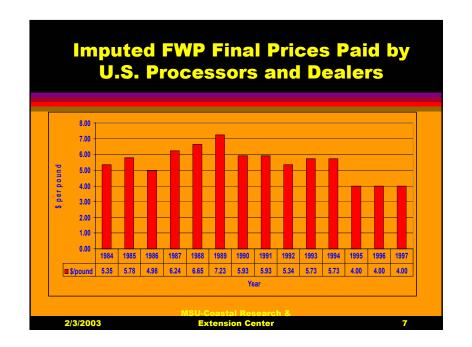
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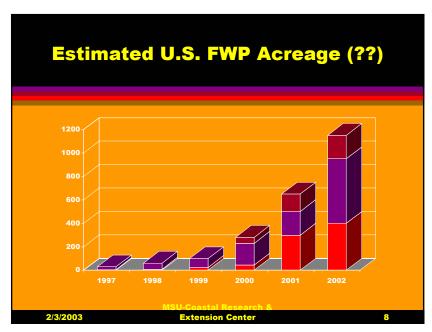
# Market name Shrimp, Freshwater Scientific name Macrobrachium rosenbergii Common name Giant Freshwater Prawn MSU-Coastal Research & Extension Center 2/3/2003











# U.S. SHRIMP AND PRAWN GROWERS ASSOCIATION

- January 22, 2002 Organizational Meeting
- Website will be created
- Membership:
  - Voting members permitted growers
  - Associate members
- P.O. Box 537, Anguilla, MS 38721
- Tel: 662-686-2894

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## INVESTMENT AND OPERATING COSTS IN FWP POND PRODUCTION IN THE USA

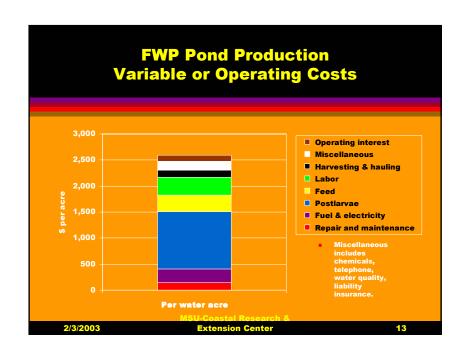
- Hypothetical single enterprise farm
- Semi-intensive production system
- One crop per year, early May to late September
- 120 culture days
- 121 land acres available
- Juveniles and commercial feed are available
- Input prices are based on Mississippi situation
- Feed conversion ratio is 2.5:1
- Stocking density is 20,000 # per water acre
- Harvest size is 10 # per pound
- Prawn yield is 1,200 pounds per water acre
- Exp-Com yield gap is 8 percent

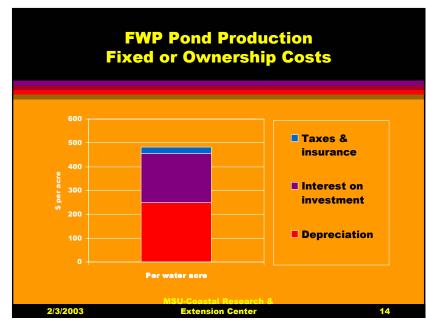
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# FWP Pond Construction Cost -Earth moving [adjacent ponds] -Drainage structure -Gravel -Vegetative cover \$114.2 K per farm, \$2,283 per pond or \$1,142 per water acre MSU-Coastal Research & Extension Center 12





# CONSTRAINTS FACING THE PWP INDUSTRY IN THE USA

### Lack of local nurseries

- Less than half a dozen nurseries nationwide
- High price for nursed juveniles
- Stress during transport to distant sites
- Need for on site nursery facilities

### Low survival in grow-out

- Exp com grow out yield gap
- Relatively low production, 800 lb/acre
- Insufficient processing, transporting & marketing infrastructure
  - Except in traditional shrimping areas
  - High transport mortality of live FWP

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