Home-Use Catfish & Shrimp Farming
Home-Use Catfish

- Lower stocking densities
- Less Feed
- No aeration
- Reduced management/time
# Harvest Yields

<table>
<thead>
<tr>
<th></th>
<th>Fish/acre</th>
<th>lb/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Scale</td>
<td>1500</td>
<td>2000-2300</td>
</tr>
<tr>
<td>Expert Small Scale</td>
<td>1500-2000</td>
<td>2300-3000</td>
</tr>
<tr>
<td>Intensive</td>
<td>4500-5000</td>
<td>4500-5000</td>
</tr>
</tbody>
</table>
Live Sales

• Pay Lakes
• Pond-bank
• Recreational or Farm Ponds
Home-Use Production
# Home-Use Value of Fillets

<table>
<thead>
<tr>
<th></th>
<th>$US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wholesale/lb(^a)</td>
<td>1.75-2.63</td>
</tr>
<tr>
<td>Retail/lb</td>
<td>5.00-6.00</td>
</tr>
<tr>
<td>Home-use/acre(^b)</td>
<td>1,900-3,400</td>
</tr>
</tbody>
</table>

\(^a\) Assuming live-weight prices/costs of $0.70-1.05/lb and 40% dress-out as fillets

\(^b\) For an annual yield of 2,000 lb/ac
Tilapia
Home-Use Shrimp

Macrobrachium rosenbergii
Reduced Inputs

- Low stocking density (10K pL/ac)
- No aeration
- No substrate
- Daily feeding capped at 20 lb/ac
Field Demonstrations

- ½-acre ponds
- 700 to 900 lb per acre (avg. 808 lb)
- 8 to 10 ct
- Reported profits of $3,500 per acre
- 500 lb surplus (not sold)
Home-Use

- Freezer & stove
- Buddies & relatives
- Autumn shrimp-fest
Pond Bank Sales
Investment
## Spreadsheet vs. Reality
### Intensive vs. Low-input

<table>
<thead>
<tr>
<th>Per Acre Values</th>
<th>20K (pL)</th>
<th>10K (pL)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Actual Profit</strong></td>
<td>$(0.2)-1.0 K</td>
<td>$1.6-3.3 K</td>
</tr>
<tr>
<td><strong>Initial Costs</strong></td>
<td>$13098</td>
<td>$6384</td>
</tr>
<tr>
<td><strong>Annual % Return</strong></td>
<td>(1.5)-3.8 %</td>
<td>25-52 %</td>
</tr>
</tbody>
</table>
Low-Input

- Smaller yields easier to harvest – party, freezer or local retail sales
- Higher profits & investment return
- Risks significantly reduced by lower initial costs
- Scalable