Florida Heifer Development Program

Mission: Serve as a resource for cow/calf producers in the Southeastern USA to provide opportunities in education and facilitation of replacement heifer development for enhancement of sustainable beef cattle operations.
Objectives

1) To successfully develop beef replacement heifers for cattle producers using research-based data on nutritional and reproductive management to enhance lifetime productivity of heifers in the beef herd.

2) To provide an educational resource that exposes beef cattle producers to improved animal management techniques associated with development of replacement beef heifers and educational opportunities that focus on herd health, nutritional management, and artificial insemination
Heifer Eligibility

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth Date</td>
<td>8/15/2015</td>
<td>11/30/2015</td>
</tr>
<tr>
<td>Weight, 1.75 lbs/day of age</td>
<td>535</td>
<td>723</td>
</tr>
</tbody>
</table>

- Consignor FCA member
- Weaned a minimum of 30 days
- Individual and permanent identification
- Meet health requirements
Nomination Processes

- Nomination form posted online
- Deadline August 1, 2016
- $50.00 non-refundable fee per heifer
- Accepted in order received
  - 10 heifers per consignor
  - Additional heifers can be nominated but not guaranteed
Heifer Health Protocols

- Heifers must have been vaccinated twice (minimum of 21 days between vaccination dates)
  - 5-way LEPTOSPIROSIS
  - Vibriosis
  - 7 or 8-way CLOSTRIDIIUM with HAEMOPHILIUS SOMNUS, IBR/PI3/BVD/BRVS
  - Optional: PASTEURELLA
  - Recommended: Intranasal IBR/IP3
Nutritional Protocol

- Balanced ration for ideal growth and development
- Estimated DMI of 2.9% body weight
- Forage component (grazing and/or hay)
  - Supplement
    - 22% corn gluten feed
    - 22% soybean hulls
    - 51% Fiber pellets from AFG
    - 5% Medicated vitamin and mineral supplement pellet

Targeted Gains = 1.50 to 2.25 lbs/hd/d
Breeding Season

- Pre-breeding cycling status, RTS, pelvic area
- Reproductive soundness
- 68 day breeding season
  - 12/14/2016 to 2/20/2017
  - Start calving 9/25/2017
- TAI with Resynch
  - Angus Sire
  - Producer Provided semen
  - Clean-Up Sires
- Fetal sex AI bred females
- Final pregnancy diagnosis by ultrasound
- Early removal due to sire preference
Program Budget

Fixed Costs = $218.25
  - Yardage, pharmaceuticals, data collection, chute fee, vet fee

Variable Cost = $384.80
  - Feed and health
    - Total cost per ton as fed = $153.6, or $176.6 per ton of DM @ 87% DM 2.9% of BW @ 23.5 lb of DMI/heifer/d.
    - Treatment of animals beyond basic herd health protocol

<table>
<thead>
<tr>
<th>Total Program Cost</th>
<th>$603.05</th>
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<tbody>
<tr>
<td>Cost/Day</td>
<td>$3.33</td>
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<tr>
<td>Weaned Value</td>
<td>$909.50</td>
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<tr>
<td>Bred Heifer Cost</td>
<td>$1,512.55</td>
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<tr>
<td>Deprecated Cow Cost</td>
<td>$216.08</td>
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</table>
Producer Communication

• Data Collection
  • ADG
  • Cycling Status at initiation of breeding season
  • Pelvic measurement
  • Frame Score

• Herd Visitation
  • Set dates throughout program
  • Program Chair will coordinate

• Program Newsletter
Producer Education

- Coordinated through Program Chair
- Interactive education
- Consignors involvement in development
  - AI
  - Health
  - Nutrition
Florida Heifer Sale

- Bred heifers from within the program
- Pending Consignment for 2017 Sale
  - Sale costs only apply to consignors for the sale not entire program
## Program Overview

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Starting</th>
<th>Ending</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heifer Nominations</td>
<td>5.01.2016</td>
<td>8.01.2016</td>
<td>$50 non-refundable deposit/hd</td>
</tr>
<tr>
<td>Delivery of Heifers</td>
<td>10.01.2016</td>
<td>10.01.2016</td>
<td>Receive and process heifers at NFREC</td>
</tr>
<tr>
<td>Development Phase</td>
<td>10.01.2016</td>
<td>4.06.2017</td>
<td>187 days total</td>
</tr>
<tr>
<td>Breeding Season</td>
<td>12.14.2016</td>
<td>2.20.2017</td>
<td>68 day breeding season with AI</td>
</tr>
<tr>
<td>Calving Season</td>
<td>9.25.2017</td>
<td>12.02.2017</td>
<td>Projected calving dates</td>
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<tr>
<td>Conclude Development</td>
<td>4.06.2017</td>
<td>4.06.2017</td>
<td>Final pregnancy diagnosis</td>
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