

CLEMSON UNIVERSITY  
**IRM BEEF PRODUCTION SYSTEMS**  
Edisto Research & Education Center  
<http://www.clemson.edu/edisto/beef/beef.htm>

## 2005 Angus 1<sup>st</sup>-Calf Heifer Development

### Management Plan

*Dr. Larry W. Olson* - Associate Professor & Extension Animal Scientist  
*Rebecca H. Davis* - IRM Beef Production Systems Technician

#### September 1 - October 31

1. Feed Program
  - A. Graze coastal-crabgrass-bahiagrass pasture
  - B. **Mineral**
    - 1) Summer mineral

#### November 1 - March 31

1. Feed Program
  - A. **Dry, pregnant cows**
    - 1) **November 1 until cow calves** - free-choice coastal hay
  - B. **Cows with calves - moved to ryegrass winter grazing after calving**
    - 1) Winter grazing - available
      - A) Grazing only
    - 2) Winter grazing - not available
      - A) Cottonseed - 5 lbs/hd/day
      - B) Free-choice coastal bermudagrass hay
  - C. **Mineral**
    - 1) **November 1 to November 15** – summer mineral
    - 2) **November 16 to March 31** – winter high Mg mineral
2. January 14 - March 10
  - A. **57-day calving season**
    - 1) **Calves at birth**
      - A) Weigh
      - B) Tattoo
      - C) Ear tag
      - D) Castrate bull calves
      - E) Dip navel in iodine
3. March 21
  - A. **Herd Health Program - cows**
    - 1) Vaccination
      - A) Vibriosis + 5-way Leptospirosis

- 2) Deworm and treat for flies with Privermectin pour-on
- B. **Estrus Synchronization Program**
  - 1) GnRH injection - *cows calving January 14-30*
- 4. **March 28**
  - A. **Estrus Synchronization Program**
    - 1) Lutylase - *cows receiving GnRH on March 21*
    - 2) GnRH - *cows calving January 31 - February 6*
    - 3) Tail paint - *all cows*

## **April 1 - May 31**

- 1. **Feed Program**
  - A. Graze ryegrass winter grazing then coastal-crabgrass-bahiagrass pasture
  - B. **Mineral**
    - 1) **April 1 to May 15** - winter high Mg mineral
    - 2) **May 16 to May 31** – summer mineral
- 2. **63-Day Breeding Season**
  - A. **March 29 to April 19** - 22 days - *Artificial Insemination*
  - B. **April 20 to May 31** - 41 days - *Natural breeding season – Angus bull*
- 3. **April 4**
  - A. **Estrus Synchronization Program**
    - 1) Lutylase - *cows receiving GnRH on March 28*
    - 2) GnRH - *cows calving February 7-13*
- 4. **April 11**
  - A. **Estrus Synchronization Program**
    - 1) Lutylase - *cows receiving GnRH on April 4*
    - 2) GnRH - *cows calving February 14-20*
- 5. **April 18**
  - A. **Estrus Synchronization Program**
    - 1) Lutylase - *cows receiving GnRH on April 11*
  - B. **Fly Control – cows and calves** - Saber pour-on
- 6. **May 15**
  - A. **Herd Health Program**
    - 1) **Calves**
      - A) **Vaccinations**
        - 1. IBR, PI3 - *intranasal Modified Live*
        - 2. 5-way Leptospirosis
        - 3. 7-way Blackleg (Clostridials)
      - B) Deworm and treat for flies – Cydectin pour-on
      - C) Ralgro implant steer calves
    - B. **Fly Control – cows** - Cydectin pour-on

## **June 1 - August 31**

- 1. **Feed Program**
  - A. Graze hybrid pearl millet
  - B. **Mineral**
    - 1) Summer mineral

2. **June 15**
  - A. **Fly Control – cows and calves** - Saber pour-on
3. **July 15**
  - A. **Fly Control – cows and calves** - Privermectin pour-on
4. **August 15**
  - A. **Cows**
    - 1) Weigh
    - 2) Body Condition Score
    - 3) Pregnancy Test
    - 4) Cull cows on EPD's, performance, age, soundness, etc.
  - B. **Keep, Pregnant Cows**
    - 1) **Herd Health Program**
      - A) Deworm and treat for flies – Cydectin pour-on
  - C. **Calves**
    - 1) Weigh
    - 2) Wean calves
    - 3) Begin Preconditioning Program starts
  - D. Sell all open and cull cows - ASAP

**For Additional Information Contact:**

Dr. Larry W. Olson  
Extension Animal Scientist  
Edisto Research & Education Center  
64 Research Rd.  
Blackville, SC 29817

E-mail: LOLSON@clemson.edu  
Phone: (803) 284-3343 ext 231  
Fax: (803) 284-3684