

# HOW I PROFIT FROM IMPROVED REPRODUCTION

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Moes Ranch (Moes Feedlot LLC.), Florence, SD

## Ranch Overview

- Family owned operation
- Calve 250 head (mature weight 1329 average)
  - Develop 50 to 60 replacement heifers
  - Began in 1987 with 20 cows
  - Began Aling around 1992
  - Almost all animals get 1 round of AI
    - (~50 late calves just go with bulls)
  - Began synchronizing heifers mid 1990's
  - Began to synchronize 2 yr olds in 2010
  - For the past 4 years have been using the PG 6-day CIDR

## Overview

- Finish own steers
- Began to finish non-replacement heifers 2010
- Finish over 1000 Holsteins steers a year.



### Heifer Development

- 2008
  - 50 heifers      54% AI conception      92% Breeding season
- 2009
  - 52 heifers      69% AI conception      90% Breeding season
- 2010
  - 51 heifers      69% AI conception      88% Breeding season
- 2011
  - 52 heifers      69% AI conception      87% Breeding season
- 2012
  - 61 heifers      64% AI conception      85% Breeding season



### Heifer Development

- 2008
  - Weight 1007 lbs (844 to 1200) 76% of mature weight
- 2009
  - Weight 970 lbs (828 to 1080)      90% pubertal
- 2010
  - Weight 930 lbs (796 to 1155)
- 2011
  - Weight 912 lbs (660 to 1080)
- 2012
  - Weight 937 lbs (794 to 1100) 70% of mature weight



### Cow herd 2year olds

- 2009
  - 37 head      76% AI conception
- 2010
  - 43 head      63% AI conception
- 2011
  - 43 head      63% AI conception
- 2012
  - 40 head      63% AI conception

### Cow herd Mature cows

- 2009
  - 133 head      79% AI conception
- 2010
  - 120 head      76% AI conception
- 2011
  - ????
- 2012
  - 138 head      72% AI conception



### Carcass Quality

- 2008 born - 47 steers  
YG 3.2 BF 0.47 REA 13.8 76% Low choice 23% Select
- 2009 born - 45 steers  
YG 3.02 BF 0.58 REA 12.83 57% choice 43% Select
- 2010 born - heifers  
80% choice 20% Select
- 2011 born - 160 head  
YG 2.93 BF 0.56 REA 12.5 3% Prime 73% choice 24% Select



### Summary

- Records, records, and more records
- AI selection (Growth to Carcass)
- Heifer development
- Overall management