

## Hunley Creek Heifer Farm

100 calves brought in on 9/28/2020 and 50 calves were lung scanned and weights were recorded

Average weight: 437 pounds

Initial Lung Scores:

- No lung damage (Score 1, 2, or 3): 76%
- Lung damage (Score 4, 5, or 6): 24%

Vaccination Weight (10/15/2020)

- Average Weight: 423 pounds
- ADG (9/28/2020 to 10/15/2020)
  - No lung damage: -0.37 pounds/day
  - Lung damage: -1.1 pounds/day
- 16 of the 38 calves without initial lung damage gained lung damage during this time period
  - Total percentage with lung damage as of 10/15/2020: 56%

Castration Weight (11/18/2020)

- Average Weight: 479 pounds
- ADG

| Lung Status                     | ADG 10/15/20<br>to 11/18/20<br>(lbs./day) | ADG from 9/28/20<br>to 11/18/20<br>(lbs./day) |
|---------------------------------|---|---|
| Lung damage prior to<br>arrival | 1.80                                      | 0.93  |
| Lung damage after arrival       | 1.39                                      | 0.69  |
| No lung damage                  | 1.69                                      | 0.93  |

Overall Summary

- From the first to the first weight (9/28/20) to the last weight (11/18/20) ADG
  - No lung damage: 0.90 pounds/day
  - Lung damage (score 4, 5, 6): 0.78 pounds/day
- Comparing ADG (first to last weight) of calves with a score 5 or 6 to other lung scores
  - No Lung damage: 0.99 pounds/day
  - Lung damage of 5 or 6: 0.31 pounds/day
- Calves who arrived with lung damage had a larger reduction in ADG after arrival compared to calves without lung damage; however, these calves adapted better to their new environment and ended with the same ADG as calves without lung damage. Calves who developed lung damage due to the transition period had lower ADG throughout the recorded time period.

- From the analysis, calves who adapted lung damage after arrival were on average smaller on arrival (418 pounds compared to 444-pound average of calves without lung damage)
- Final Lung Scores
  - No Lung Damage: 40%
  - Lung Damage: 48%
  - Died: 12%

THANK YOU SARE for providing the funding for this project!

