

Francis Lindauer and Sons Dairy Farm

Lung Scanning Data Collection 7/31/2020 to 12/22/2020

Total Number of Individual animals Lung Scanned: 108

- # scanned between 16 and 31 days of age: 55
- # scanned between 33 and 50 days of age: 24
- # scanned between 53 and 114 days of age: 79
- # scanned twice: 50

Birthweight

- # of calves with Birthweight: 81
- Average birthweight: 99 pounds
- Minimum birthweight: 77 pounds
- Maximum birthweight: 126 pounds
- No affect of birthweight on the calves' chance to obtain lung damage

Respiratory Disease

- 31 of 108 calves treated for respiratory = 29%
- 45% of calves had a score of 4 or greater by weaning (out of 66 calves weaned thus far)

~3 Week Lung Scoring Results

- 55 calves
- # of calves with each score
 - 1,2, and 3 on both sides of lung: 47 = 85%
 - 4,5, or 6 on one or both sides of lung: 8 = 15%
- ADG
 - No lung damage: 0.96 lbs./day
 - Lung damage: 0.72 lbs./day

33 to 50 Day Lung Scoring Results:

- 53 calves
- # of calves with each score
 - 1,2, and 3 on both sides of lung: 37 = 70%
 - 4,5, or 6 on one or both sides of lung: 16 = 30%
- ADG
 - No difference in ADG between calves with and without lung damage: 1.22 lbs/day
 - ADG by Lung Score
 - 1 or 2: 1.24 lbs./day (24 calves with average weight: 163 lbs.)
 - 3: 1.19 lbs./day (13 calves with average weight: 157 lbs.)

- 4: 1.29 lbs./day (10 calves with average weight: 180 lbs.)
- 5 or 6: 1.1 lbs./day (6 calves with average weight: 148)

Weaning (53 to 114 days) Lung Scoring Results

- 50 calves
- # of calves with each score
 - 1,2, and 3 on both sides of lung: 31 = 62%
 - 4,5, or 6 on one or both sides of lung: 19 = 38%
- ADG

Lung Score	Number of Calves	ADG 3 wks. To Wean (lbs.)	Weaning Weight (lbs.)
1 or 2	23	2.03	234
3	8	1.77	208
4	6	1.69	228
5 or 6	13	1.47	209

THANK YOU SARE for providing the funding for this project!

