

Calculations for Estimation of Lactating Herd Lameness Prevalence

Dairy: _____

1. Herd size (lactating cows)_____
2. Sample size (always round up) *from table*_____
3. Calculate:

[illegible]

- Score every n^{th} cow.
- Calculate lameness prevalence

$$\textit{Lameness prevalence} = \frac{(\text{score 3} + \text{score 4} + \text{score 5})}{\text{Total number locomotion scored}}$$

Ways you could score:

- During herd check or time the cows are locked-up, have assistant release every n^{th} cow for you to locomotion score
- Watch cows as they exit the milking parlor and record locomotion score of every n^{th} cow.
- Walk through the pens, counting cows (both lying down and standing) in the order that you see them, and locomotion score every n^{th} cow.

[illegible]