Lice in Beef Cattle

Lice infestations cost the U.S. cattle industry more than $125 million annually\(^1,2\)

Moderate to heavy lice infestations can significantly reduce gain by as much as 9.2 percent, which is equivalent to 0.21 lbs/hd/day in growing cattle\(^2,3,4\)

**Impact of lice on performance, behavior and health\(^2\)**

Heavy lice populations in growing cattle:
- Reduce average daily gain and weaning weights
- Decrease feed efficiency
- Increase susceptibility to diseases
- May result in anemia

Heavy lice populations in cows:
- Reduce milk production
- Decrease body condition scores (BCS)

Chewing and sucking lice reduce performance and irritate cattle, causing them to rub against available objects, which damages hides, fences, equipment and buildings.

**Prevalence\(^5\)**

Lice are found throughout North America and are more prevalent in colder climates:
- In the summer, lice are most commonly found in the folds of skin between the legs and dewlap of cattle
- In the winter, as populations increase, lice move to the dewlap, muzzle, back, sides, tailhead, neck, side of the face and around the eyes

**Life cycle\(^2,5\)**

1. Adult lice live for eight weeks and spend all of their lives on the animal
   - Lice are host-specific and transmission is from animal to animal
2. Each female lays 35 to 70 eggs on cattle hair
3. A louse nymph emerges and matures into an adult within approximately one month, depending on temperature and humidity
   - Reproduction rate increases during cold weather
StandGuard® Pour-on — Controlling Lice in Beef Cattle

StandGuard® Pour-on insecticide delivers effective, powerful, season-long control of lice on beef cattle and calves

**Powerful**
- Most potent pyrethroid on the market
- Quick-kill action

**Innovative**
- Contains gamma-cyhalothrin, latest technology for beef cattle in the pyrethroid class
- Not previously used in beef cattle

**Convenient**
- Ready to use — no dilution necessary
- Available in 30-fl oz (900 mL) bottles with an easy squeeze-and-pour design
- NEW 4.5L size, convenient for large operations

**Indications**
- For control of lice and horn flies on beef cattle and calves
- Season-long control of lice with a single application

**Dose and application**
- Requires a single-dose application for all classes of beef cattle, once treatment threshold has been reached
  - Treatment threshold: when lice densities average more than three/square inch of skin surface area
- Apply StandGuard Pour-on along the backline at the rate of:
  - Cattle less than 600 lbs: 10 mL (1/3 fl oz)
  - Cattle more than 600 lbs: 15 mL (1/2 fl oz)
- One 900 mL bottle treats:
  - 90 head weighing less than 600 lbs
  - 60 head weighing more than 600 lbs
- One 4.5 L bottle treats:
  - 450 head weighing less than 600 lbs
  - 300 head greater than 600 lbs

The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

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