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Feedlot Nitrogen Fate

- Up to 70% N loss from lot in summer (45% loss in winter)
- 25% N loss from sprinkler application
- 20-25% N loss from stockpiled manure
- 20% N loss from holding pond

Conserving Nitrogen

- Frequent pen cleaning (reduce loss by 13-18%)
- Addition of carbon source (varies by time of year)
- Maintain surface moisture in lot during dry periods
  - Dietary modifications
- Incorporate manure within 24 h (limit loss to <5%)
- Inject liquid manure (reduce loss 50% or more)