Livestock Water Challenges During Drought

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Water Supply

July 2020

April 2021

March 2021
Livestock Water Quality

- Total Dissolved Solids (TDS)
- Sulfates
2021 Livestock Water Quality

- Water Screenings
  - 1,549 Field Screenings
    - 151 Elevated TDS (>5,000 ppm)
    - 329 Elevated Sulfates (>1,200 ppm)
  - 138 sent to lab
  - 214 management changes

https://www.youtube.com/watch?v=V9UuO18KB1Q
2021 Livestock Water Quality
Sulfates

Sulfate ppm
- < 200
- > 400
- > 800
- > 1,200
- > 1,600
- > 2,000

NDSU Extension
Livestock Water Quality

• Cyanobacteria
  – Neurotoxins
  – Hepatotoxins
2021 Livestock Water Quality
Human Impacts

• Increased Labor
• Increased Stress
Discussion

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