Manure Technology Update
Ag Lender Seminar 2016

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Manure Storage, Handling and Application

• Will become increasingly important as water quality and nutrient management receive legislative and legal attention
• Livestock producers will need to continue to improve management
• Manure technology is advancing, but has a cost associated with it
Solid Manure Handling and Application

Solid Spreaders and Calibration
Solid Spreaders: Precision Spreading

Compost: Solid Manure Handling Option
Liquid Manure Handling and Application

Issues:

• Lagoon agitation (especially with sand bedding systems)
• Storage capacity
• Hauling: Where are nutrients needed?
• Application windows
Lagoon Agitation: Crawlers/Boats

Lagoon Agitation: Pumps
Liquid Manure: Tanker and drag hose

Increasing Application Window: Boom Applicator
Continuous Manure Application: Cadman

Use of Semi Tanks and Frac Tanks: Hauling and Application
Summary

• Legislation and legal decisions will impact how manure is stored, handled and applied
• Investment in manure management technology will be/is necessary for livestock producers
• Manure technology is one aspect of a more comprehensive nutrient management plan
  • Soil testing
  • Manure nutrient analysis
  • Crop planning and yield monitoring