



MSU Agriculture Innovation Day

Focus on Forages and the Future

Enhance your land use with Double Cropping



College of Agriculture and Natural Resources
MICHIGAN STATE UNIVERSITY

Continuous Corn Silage

Profit/Acre: \$312

Corn Silage—Winter Annual
BMR Sorghum—Alfalfa

Profit/Acre: \$271

Corn Silage—Winter Annual
Oats & Peas—Alfalfa

Profit/Acre: \$271

Risk

- ↑ Disease pressure
- ↑ Insect pressure
- ↑ Nutrient loss
- ↑ Soil degradation
- ↓ Windows for manure application

- ↓ Profit/Acre
- ↑ Feeds with lower NDF
- ↑ Planting and harvest operations

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- ↑ Feeds with lower NDF
- ↑ Planting and harvest operations
- ↓ Oats & peas yield compared to sorghum sudan
- ↑ Feeds with different feed value

Reward

- ↑ Feed value
- ↑ Profit/Acre

- ↑ Windows of opportunity for manure application
- ↑ Soil health
- ↑ Nutrient retention
- ↑ Soil retention
- ↓ Soil compaction

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- ↑ Soil health
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- ↑ Oats & pea feed value compared to sorghum sudan
- ↓ Fertilizer inputs compared to sorghum sedan
- ↓ Machinery passes compared to sorghum sedan
- ↑ Feeds with different feed value