



Water Resources Review Committee

September 14, 2021

Marc Arnusch
Marc Arnusch Farms, LLC.

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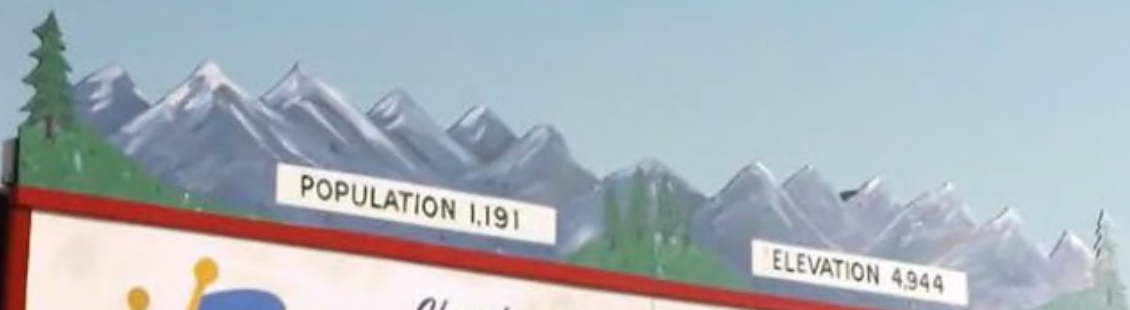
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Our Past



Marc Arnusch Farms, LLC.

- Crop Diversity
- Added Value= Water Retention
- Attract and Retain Talent



Problems

- Climate Change
- Scarcity
- Increasing demands on water
- Low profitability margins

Scarcity

- Not enough water to go around
- Changing dynamics in the S. Platte
- Aquifer levels
- Fallow





Changes in Irrigation




Technology: Looking inside the Plant

- Water Footprint
- True Measurement
- Documentation
- Better Management Practices



Reduced Tillage

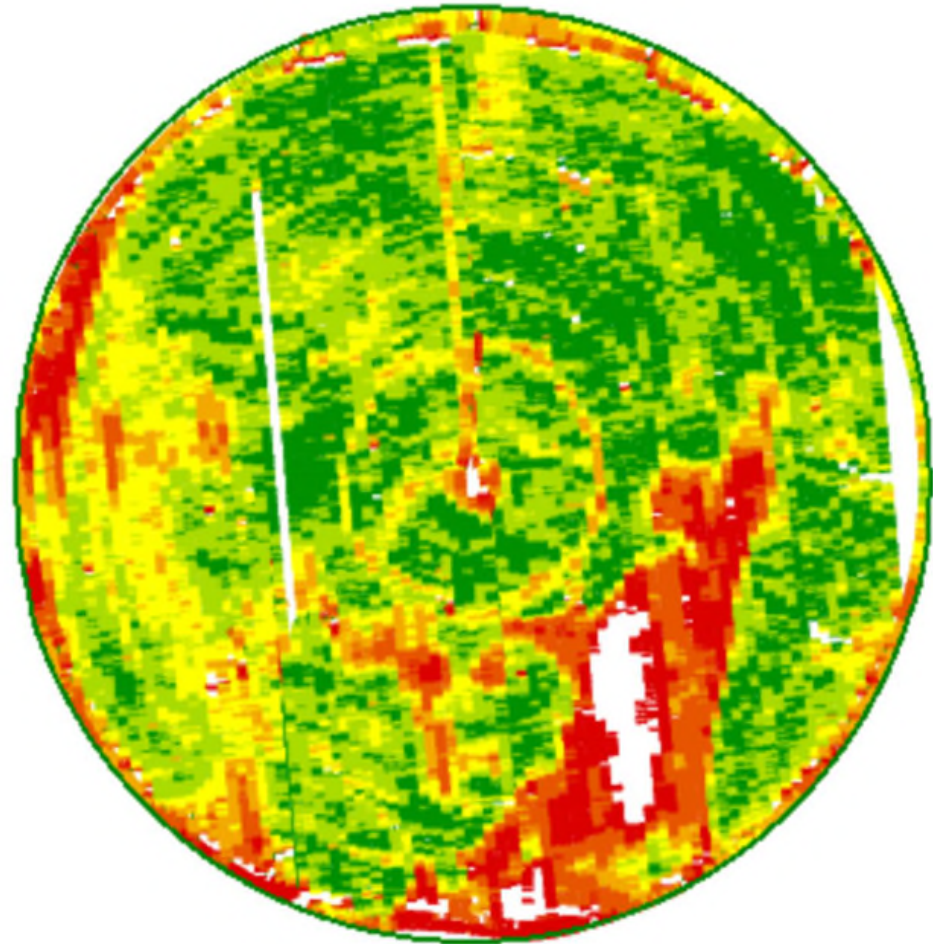


Sustainability

- Understanding our Water Footprint
- Maximizing Every Drop
- Demonstrating to Others
- Conservation looks different on a farm
- Profitability

Information

- Data Points
- Profitability
- Variable Rate





Precision to Decision





Competing Interests for Water

Future Opportunities and Threats


Aquifer storage
and recovery
plans (ASRs)

Surface water
management

Next Level of
Efficiency

Sustainability

The 4 C's



The Four C's

- Communication
- Cooperation
- Collaboration
- Continuation



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