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Overview: The Farm

- 3rd Generation Family Farm
- 3300 acres of row crops and vegetables all under center pivot
- What we grow:
 - Forage Corn, Seed Corn
 - Seed Soy, Non-gmo soy
 - Snap Beans, Sweet Corn
 - Kidney Beans
 - Pumpkins
 - Fresh Produce
- Sandy Soil!! Soil is 1-3% OM.
- 25% of Acres are Organic or in Transition
- Tech, Research, Growth Focused!

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Best Farming Practices

- Conservation Tillage & Cultivation
- Cover Cropping
- IPM Program
- Research Focused
 - Biologicals, Variety trials, Roller Crimping, Reducing conventional chemical use, etc
- Partnerships
- Soil/Water Probes
- Soil Health Focus and conservation application
 - EC Mapping
 - VRT, VRI and VR fertigation
 - NDVI
 - Zone Sampling

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WHY – What are your Cover Cropping Goals?

Know Your Field/Soil
adjust your goals to each field need!

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WHAT - Keeping The soil Covered In Spring and Fall

Multi-species – barley, radish, winter pea, winter wheat



Winter Wheat



OCT. 17th, 2017

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Multi-Species

Winter Wheat

HOW - Next Spring - 5/08/2018

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Mixes

- What we DO NOT want to apply
- Growing Degree Days
- Creativity and Availability
- Winter Kill vs Perennials
- Planting on Multiple Passes



- WHY
- WHAT
- HOW



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Interseeding – Non-vernalized rye

June 26th, 2018
July 19th, 2018

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Interseeding – Cover crop mixes

June 20th, 2018
July 29th, 2018




Corn Mix: Crimson Clover, Winter Peas, Teff Grass, Collards
Cucumbers – Mix: Buckwheat, Kale, Non-vernalized Rye

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Roller Crimp Rye with Soy in Organic System


June 13th, 2018
June 26th, 2018




Planted 5/08 – Crimped 6/10

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Yield Results this year



Rye Spread:	Irrigated Yield (bu/ac)	Non-irrigated Yield (bu/ac)
10 days before	24.27	16.83
3 days before	47.61	21.24
No Rye	50.99	18.74
Roller Crimp Soy on Corn	48.59	N/A
Roller Crimp Soy on Soy	33.39	N/A

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Decision Tree – Goals, WHY, WHAT, HOW



Megan Wallendal
Megan@WallendalFarms.com

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