

John P. Burk Bay City, MI March 07, 2024











Soil Info

- Clay loam
- 0-2% Slope
- Tiled
- Minimal Tillage
 No-till Wheat
- Dairy Doo @ 1 ton/acre

Cover Crops

 Spring Barley •Oats Oil seed radish •Field peas Red clover Cereal rye •Wheat

Spreading Cover Crops



Fall/ Spring Tillage

Fall Tillage

Fall Tillage

CASEL

89

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Oil Seed Radish

Nematode Suppression
Reduces Soil Compaction
Nitrate Retention



Oil Seed Radish

Oil Seed Radish

Fall Tillage / Oil Seed Radish

Oats / Oil Seed Radish

AD VIDENE

Oats / Radish after Dry Beans

Winter Wheat

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Oil Seed Radish / Winter Wheat

Spring Barley / Oil Seed Radish

Spring Barley / Oil Seed Radish

Field Pea Cover Crop

Austrian Winter Pea

Oil Seed Radish /Austrian Winter Pea/ Red Clover

3-way mix after Wheat

3-Way Mix After Fall Tillage

Cereal Rye

Cereal Rye

Cereal Rye / Sugar Beets

Rye Cover Crop

Cereal Rye / Oil Seed Radish

Oil Seed Radish after Sugar Beets

Oil Seed Radish inter-seeded into Winter Wheat

Oil Seed Radish inter-seeded into Winter Wheat

Termination of Cover

Spring Tillage

- Single Pass
- Shallow





Spring Tillage



JD 1790 Planter

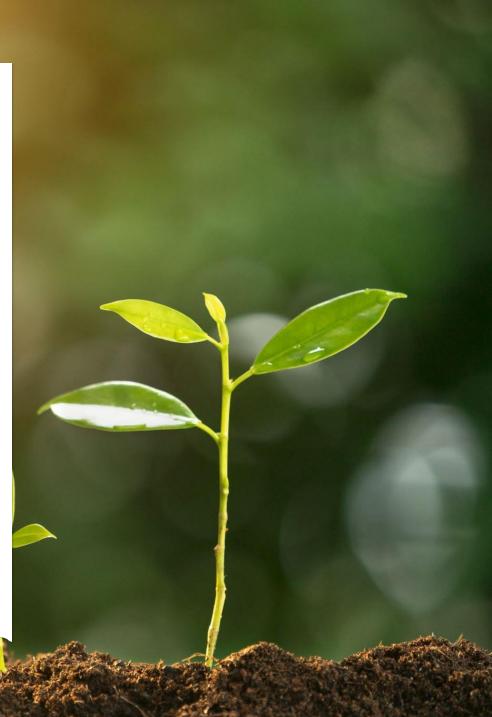


Crystal Green- Wheat Trial



Financial Support

- Government
 - CSP, EQUIP, CREP, CRP
- Private
 - Truterra- Carbon and Ecosystem (90%)
 - Cargill Regen Connect-Ecosystem (10%)
- Farmers for Soil Health-Climate Grant



• John Burk - Bay City, Mich. - YouTube