

PFI Trials Update & Cover Cropping Experiences

Michael Vittetoe
Washington, IA
mvittetoe761@gmail.com
Twitter: @Vittetoe761

What we're going to cover:

- Cereal Rye: The Good, The Bad, & The Ugly
- PFI Trial Update: Cereal Rye Termination Date
- Interseeding: Experiences from 2016 & 2017
- PFI Trial Update: Interseeding
- Spring Seeded Cover Crops

Cereal Rye:

- Started using cereal rye in 2012.
- Increasing acres every year.
 - Approx. 400 acres in 2017/2018 season.
- Our #1 Goal for Cereal Rye: Erosion Control
 - Target fields susceptible to water erosion.
 - Soybean stubble is erosion problem child.
- Seeing major changes in soil structure in long term rye fields...very mellow soil.
 - Creates new challenges
- Not seeing major gains in soil nutrient levels without adding manure/fertilizer

Quick Tips for Cereal Rye:

- Great introductory cover crop species.
 - Jack of all trades.
- Easiest to manage ahead of soybeans.
 - Either plant green or terminate early.
 - Manage herbicide program accordingly.
- More difficult to manage ahead of corn.
 - Nitrogen tie up, seedling disease, insects.
 - Mitigate by:
 - Drilling Rye in Twin Rows.
 - Plant when soil temps above 60°F & rising (prefer 65F).
 - Applying nitrogen at planting/termination.

Cereal Rye: 2014/15



May 15, 2015

Cereal Rye: 2015/16



April 01, 2016

Cereal Rye: 2016/17



Oct 03, 2016



Nov 05, 2016



Mar 09, 2017



Mar 28, 2017



April 12, 2017



April 15, 2017



April 15, 2017



April 27, 2017



May 3, 2017



May 10, 2017



May 11, 2017



May 14, 2017



May 16, 2017



May 17, 2017



May 22, 2017



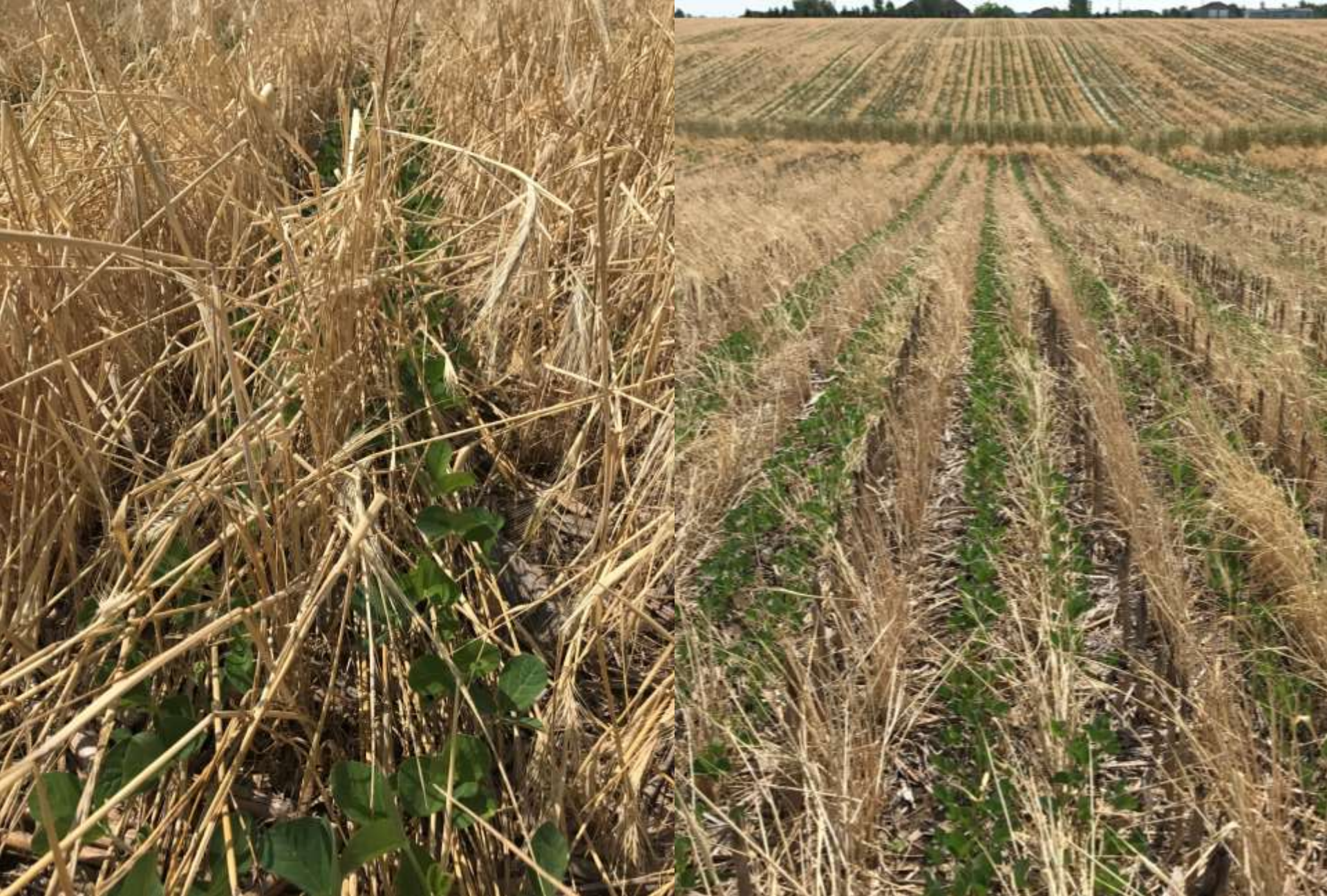
May 31, 2017



June 13, 2017



June 26, 2017



June 13, 2017



July 11, 2017



Aug 18, 2017



Aug 18, 2017

2018 PFI Trial Update:

Cereal Rye Termination Date

- Objective: Determine if cereal rye, when drilled in twin rows, can be terminated near the time of planting corn without causing yield drag.
- Rye Drilled: October 3
- Corn Planting Date: April 30
- Early Termination Date: April 26
- Late Termination Date: May 8



Oct 3, 2017



Oct 12, 2017



Nov 17, 2017



Dec 19, 2017



March 30, 2018



April 20, 2018



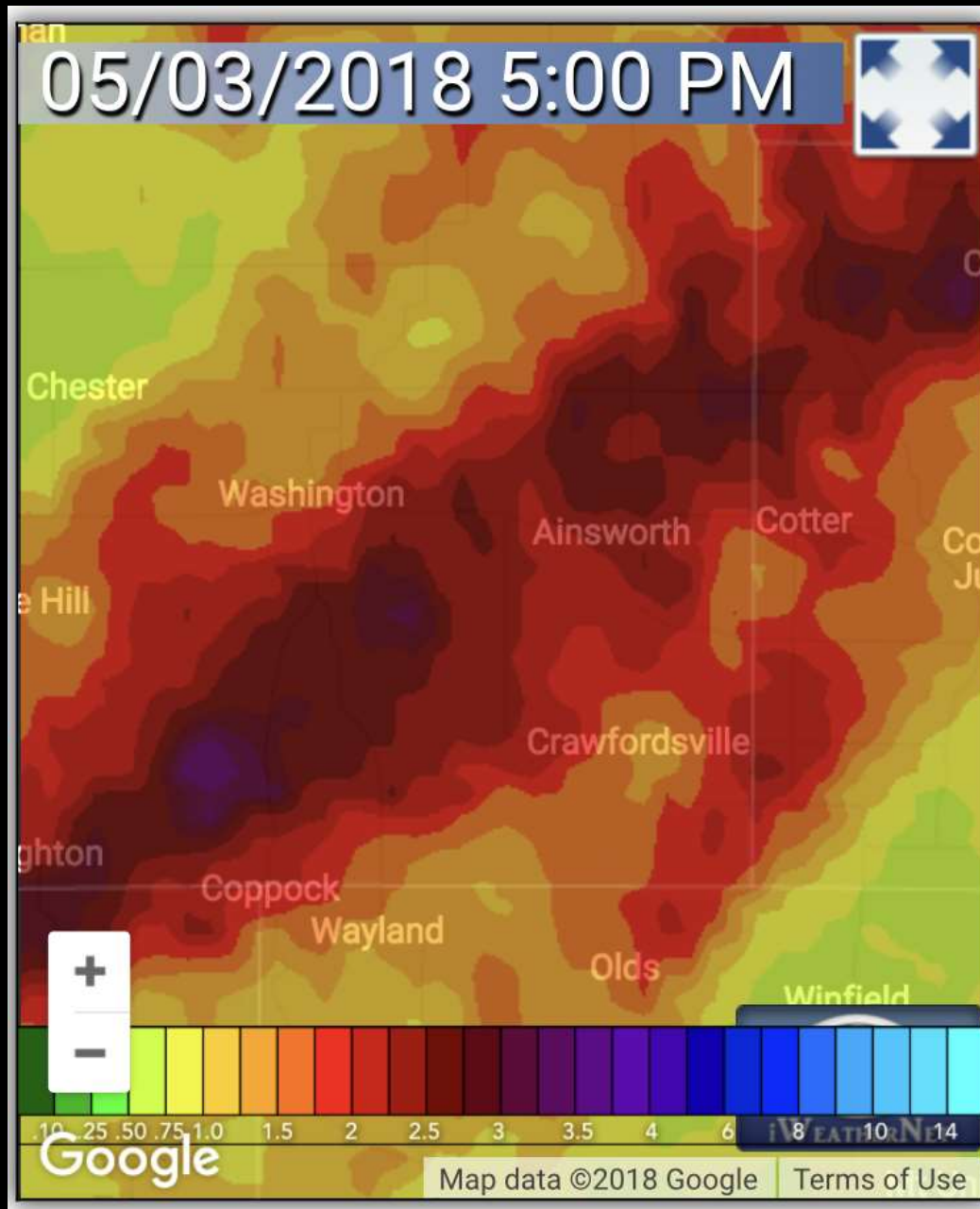
April 28, 2018



April 30, 2018



April 30, 2018



May 3, 2018



May 3, 2018



May 3, 2018



May 7, 2018



May 12, 2018



May 12, 2018



May 14, 2018



May 17, 2018



May 21, 2018



May 21, 2018



May 27, 2018



May 29, 2018



June 2, 2018



June 11, 2018