

34th Annual
**NATIONAL
NO-TILLAGE
CONFERENCE**

January 6-9, 2026 • St. Louis, Mo.

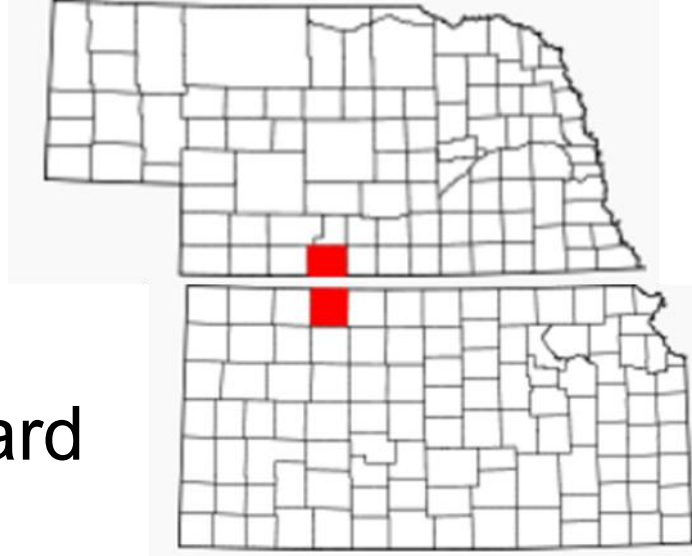
No-Till Soil Building to Survive Tough Times

Michael Thompson



Thompson Farm & Ranch LLC

Furnas County Nebraska
Norton County Kansas
18-22" of Annual Precip.
3-20% slope
Michael, Brian, and Richard
Thompson





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The Andersons



Yetter
FARM EQUIPMENT
SINCE 1930



GO Seed
Semences, Semilla, Saad
Novel solutions for growing concerns.



40 YEARS TOTAL FARM
MARKETING
BY STEWART-PETERSON



BioTill Cover Crops
Our Roots Run Deep
CopperheadAg PRODUCTS



MidWest
Bio-Tech Inc.
VULCAN
EQUIPMENT



TITAN



Martin Till



HORIZON



HORSCH
Ag Leader



Novel solutions for growing concerns.





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Lesson #1

Get the Most out of Your Soils!



Carbon Capture

We need photosynthesis
and a green plant to
restore soil carbon levels.





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Tighten Rotations



Cycle Moisture



Cycle Nutrients

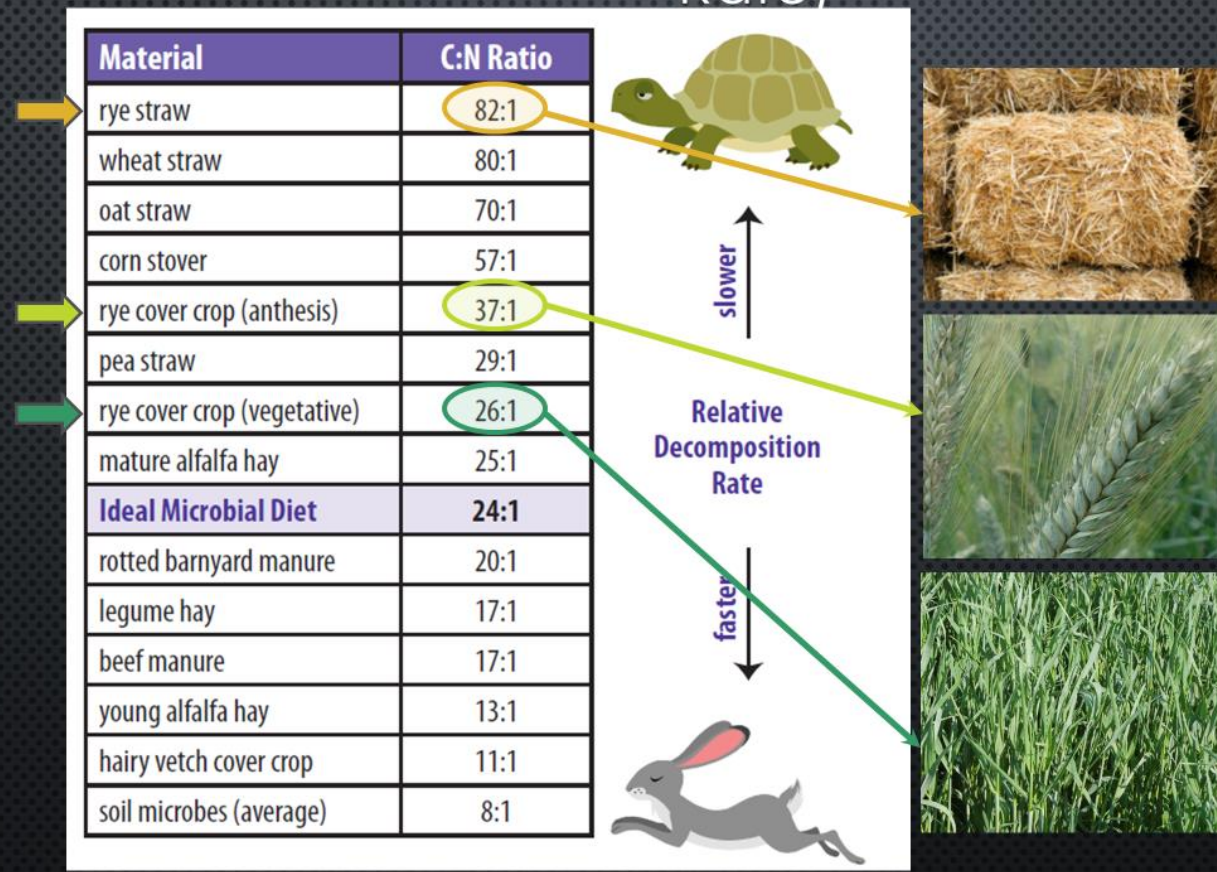


Lesson #2

Build a Resilient Soil Ecosystem



C:N ratio in Cover Crops (Nutrients Availability & Decomposition Rate)



Nutrients

- Right Source
- Right Rate
- Right Time
- Right Place
- Cycle Nutrients!
- Biostimulants?



Nutrients: What do we need?

ESSENTIAL ELEMENTS

Carbon (C)
Hydrogen (H)
Oxygen (O)
Nitrogen (N)

Sourced
from air,
water,
and soil

Phosphorus (P)
Potassium (K)
Calcium (Ca)
Magnesium (Mg)
Sulfur (S)
Boron (B)
Zinc (Zn)
Copper (Cu)
Manganese (Mn)
Iron (Fe)
Chloride (Cl)
Molybdenum (Mo)

Sourced
from soil
and/or
fertilizers

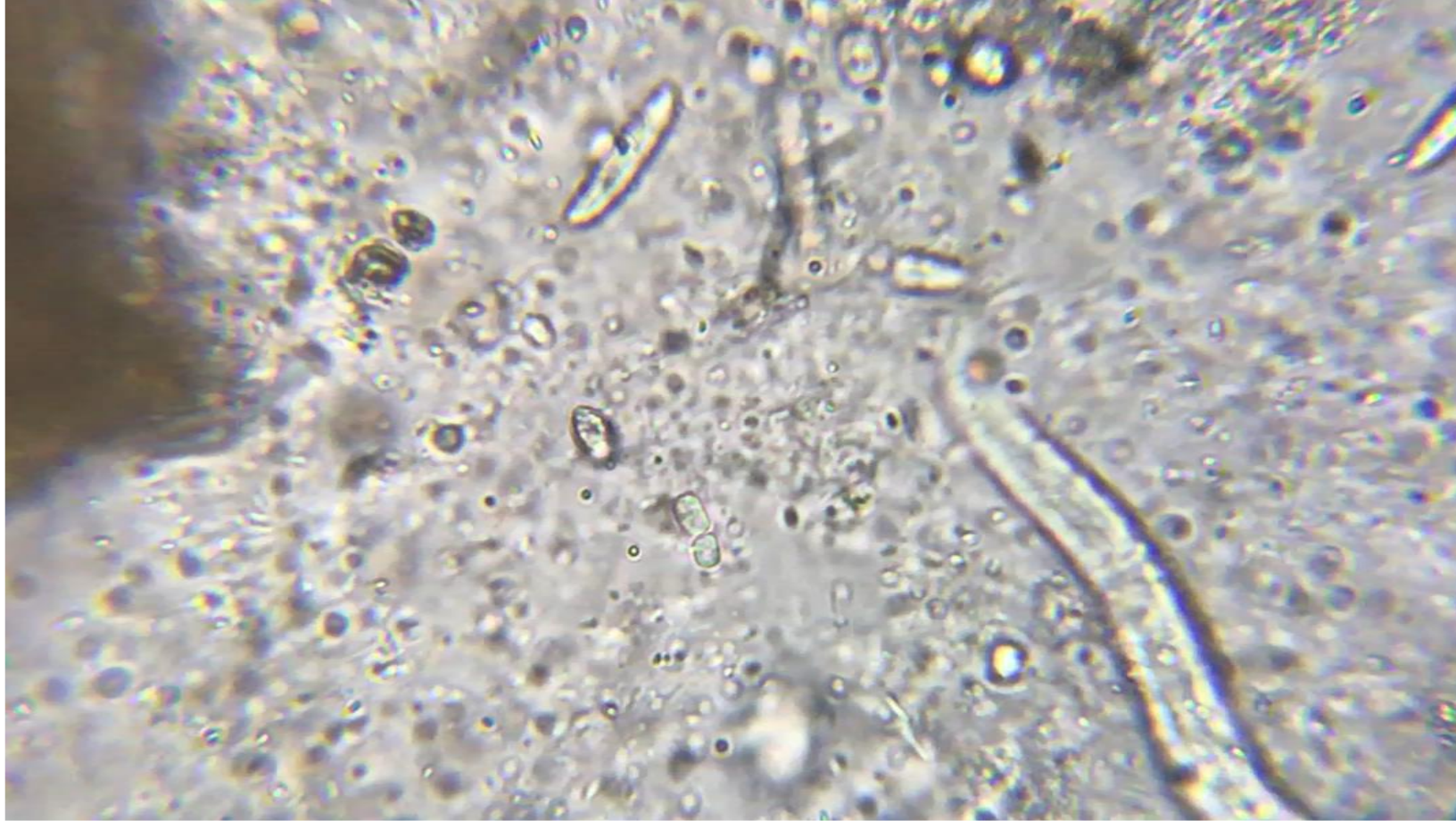


Haney Soil Test Analysis

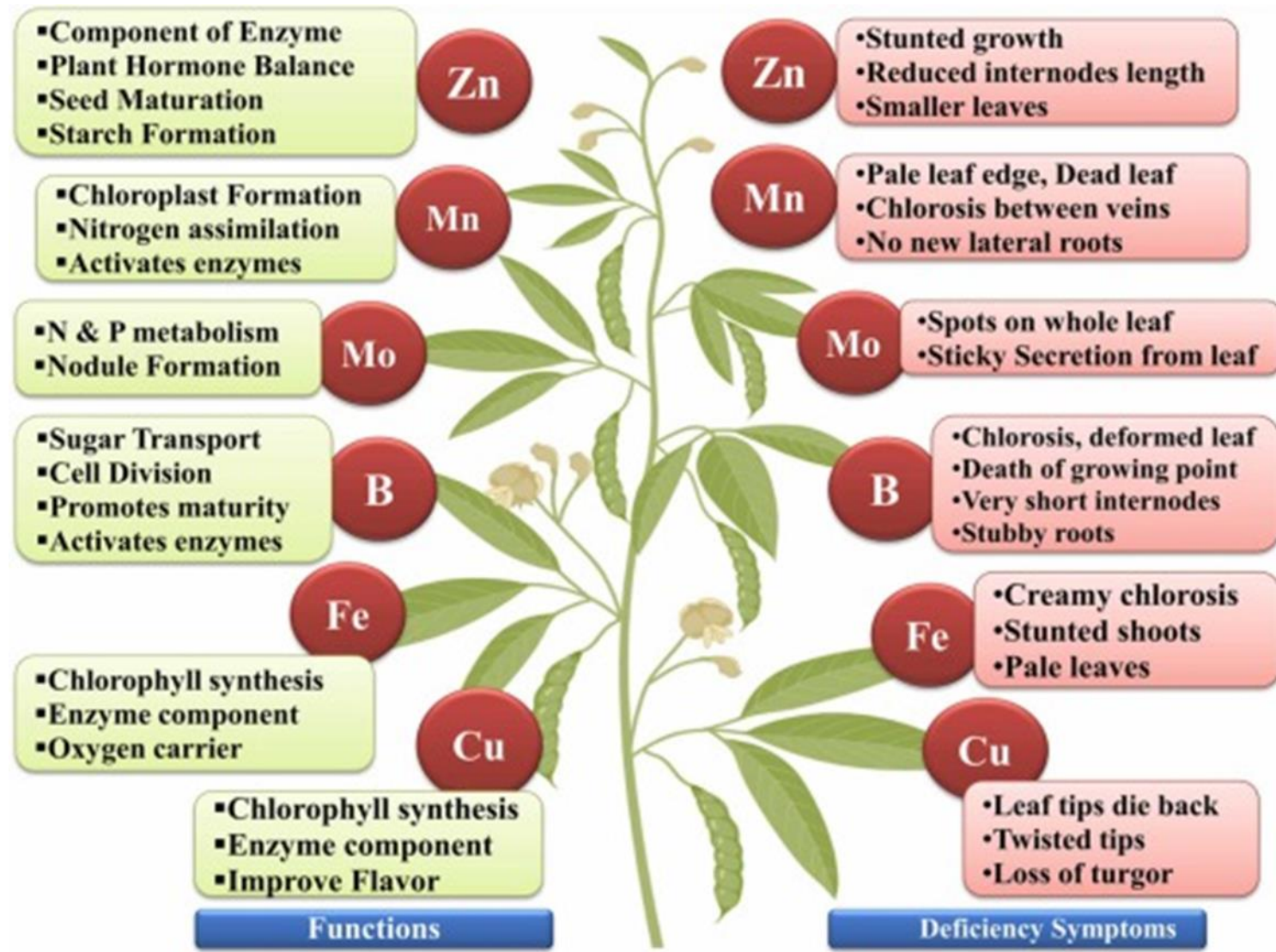
- Accounts for nutrients not found in traditional soil test
- Gives you a C/N ratio of soil
- Gives you a soil respiration score
- Organic Carbon score (food for microbes)



The Nutrient Cyclers



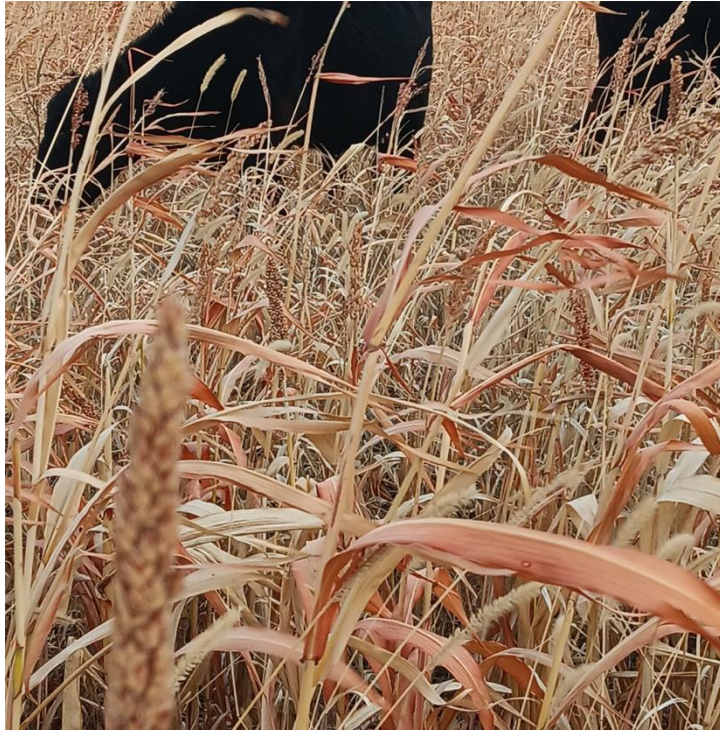
Micros: Important!



Use the “Cheap” resources around us!



Build a Soil that Can Handle Weather Extremes





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“Don’t take tools out of your toolbox”

- Make sure you utilize all tools needed to raise a successful crop!



Lesson #3 Economic Resiliency

Multiple Streams of Income



Cover Crops



- Seed Sales
- Seed Growing (triticale, rye, oats, etc)
- Seed Cleaning





Gravity table does a nice job of grading seed



Cows/Grazing

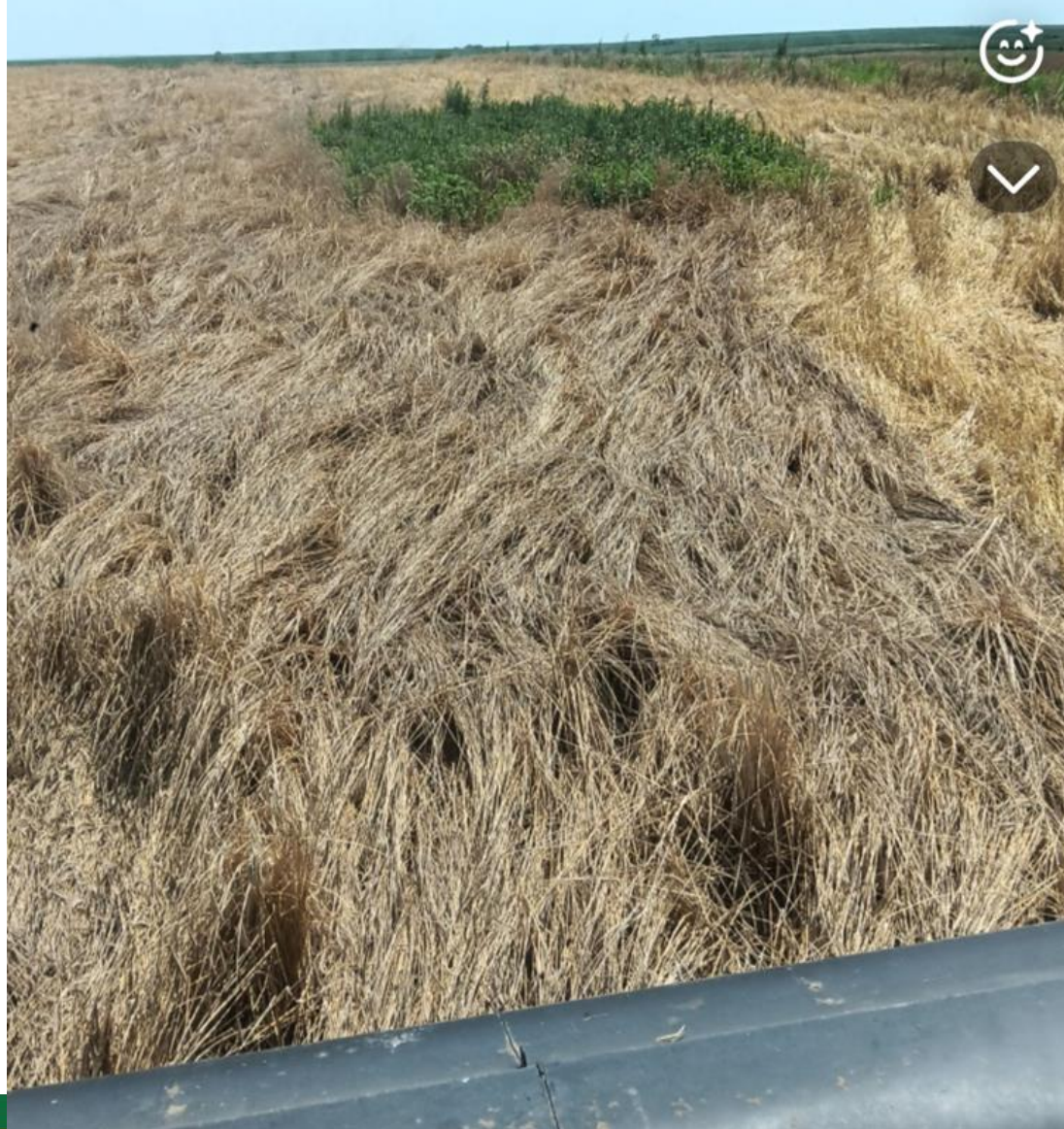
- Increase number of animals
- Use for soil building & nutrient cycling



Saving Money

- Chemical Efficiency





Novel solutions for growing concerns.

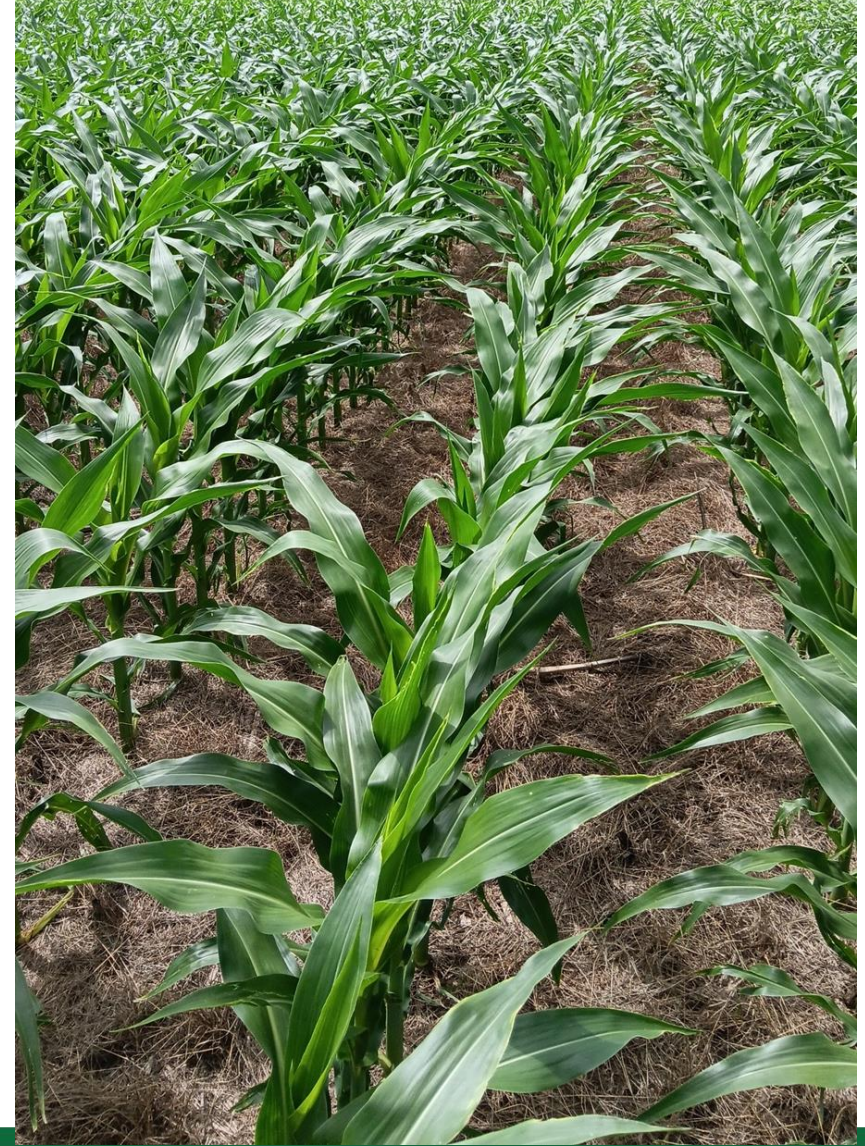


Saving Money

- Equipment Costs Kept Low
- Make sure new tech is used!
- Sometimes Custom is Cheaper

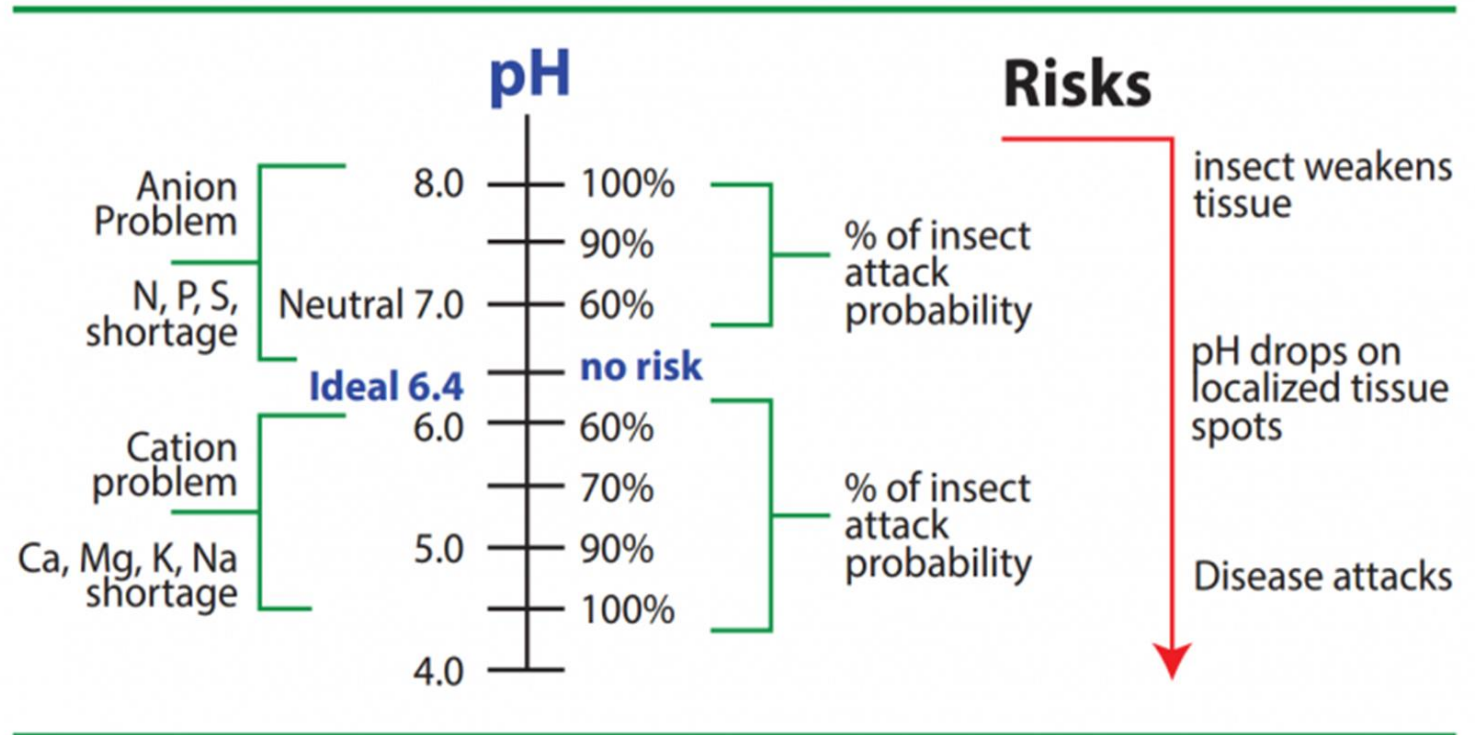


Planter



Increase Plant Health

- Fertilizer Efficiency
- Resilient Plants



Save Money

- Have a budget and stick to it!
- Don't be afraid to abort operations if weather dictates top end yield is gone!



Lesson #5

Tough Times Never Last, but tough people do!



Build Your Peer Network!







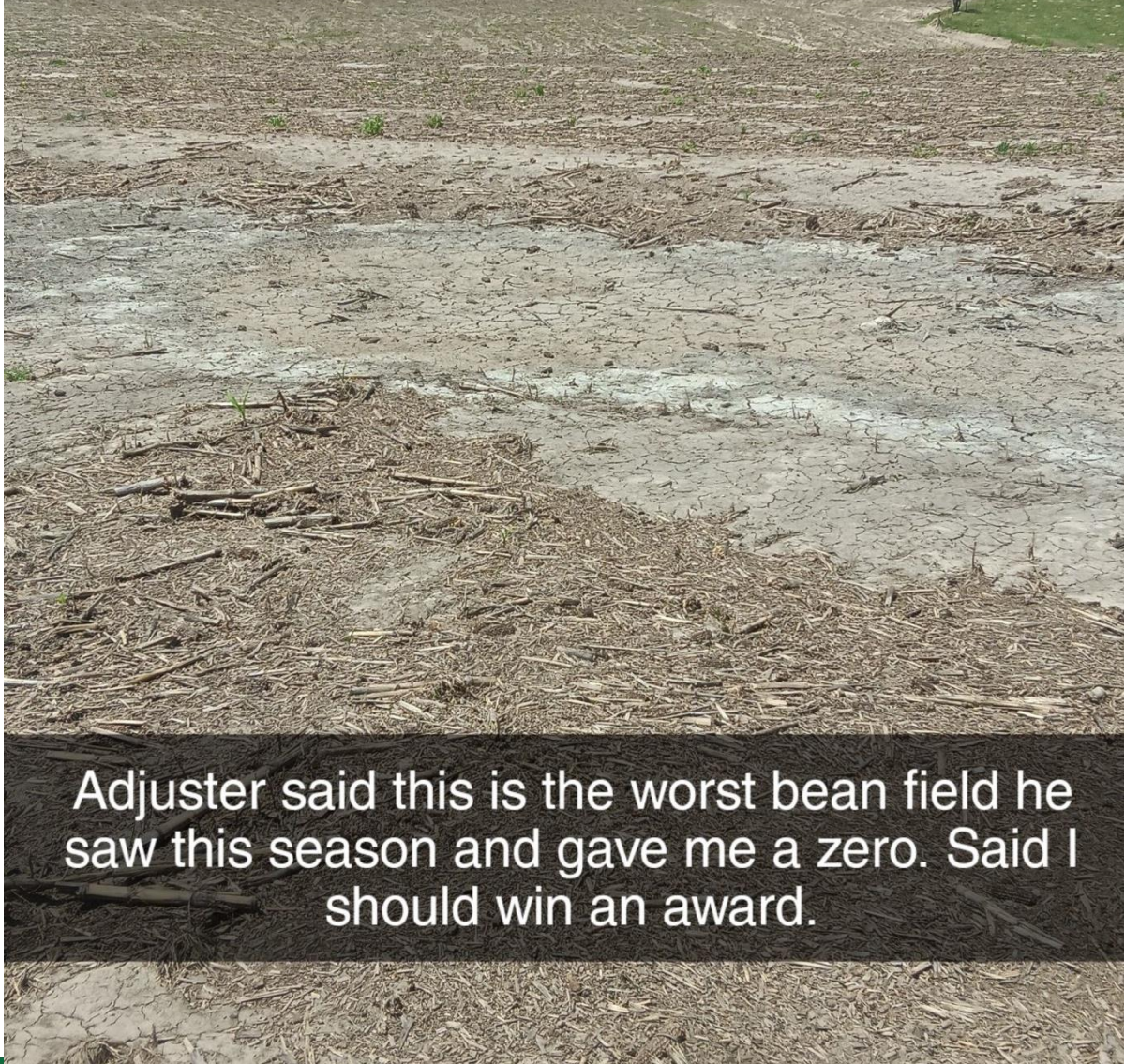
**JUST IN CASE IT
HAILS....WE HAD A
NICE CROP**





That's 0





Adjuster said this is the worst bean field he saw this season and gave me a zero. Said I should win an award.





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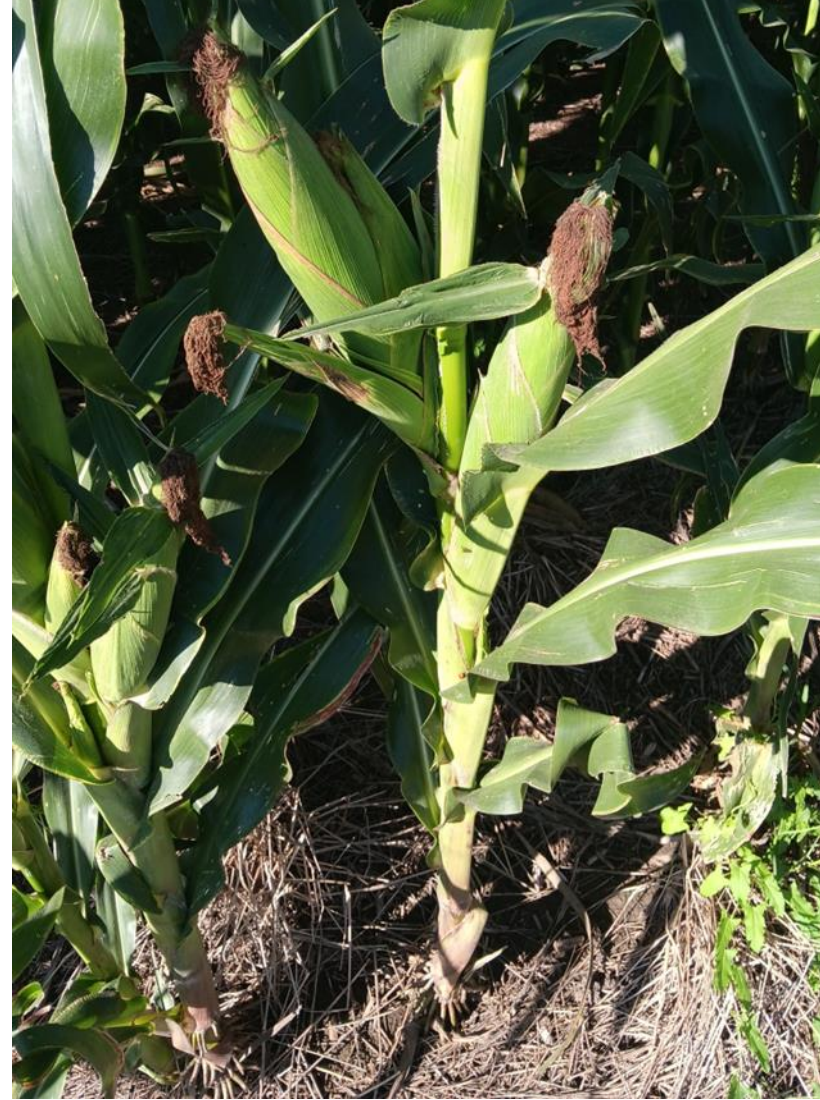


HORIZON





@andy_levi had to look ...so far so good





Lesson #6

Education is Key when making changes



Go to Meetings/Field Days



Teach the Next Generation!



My Motivation



“Whether you think that you can, or that you can't, you are usually right.”

~Henry Ford

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Instructions

- ***Send your presentation to Joseph Kuenzle @ jkuenzle@lessitermedia.com prior to December 19th.***

If your presentation is too large to submit via email, please upload your presentation to [Google Drive](#).

- ***We will have your presentation loaded on the computer and ready for you when you arrive. We will also arrange for printouts.***
- ***NTF will provide the computer and projector. Plan on giving your presentation from the podium on the laptop computer***

Should you have any questions on how to use this template or upload your files, contact Joseph Kuenzle at 262-782-4480, ext. 434 or jkuenzle@lessitermedia.com