

#### Potential

#### Adjective

 Having or showing the capacity to become or develop into something in the future

#### • Noun

 Latent qualities or abilities to that may be developed and lead to future success or usefulness

#### Latent

 Quality or state existing but not yet developed or manifest, hidden or concealed



## Recognizing "The Resource's" Potential

Soil Degradation



Tillage System

Soil Conservation



No-Till System Soil Loss "T"

Soil Rejuvenation



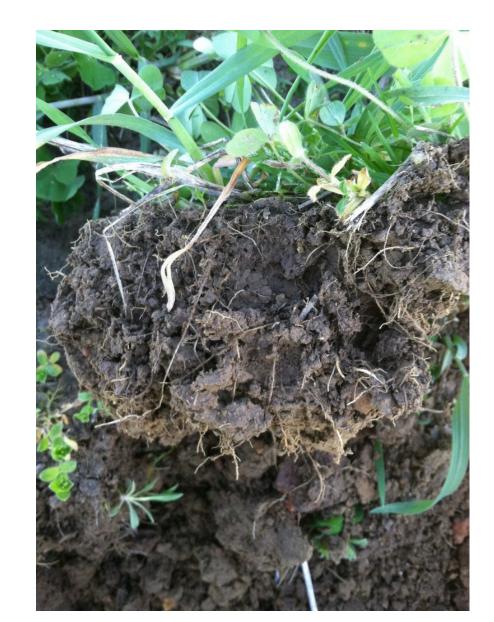
Soil Health System

# Long Term No-Till



### 2 Years Covers

Same Field





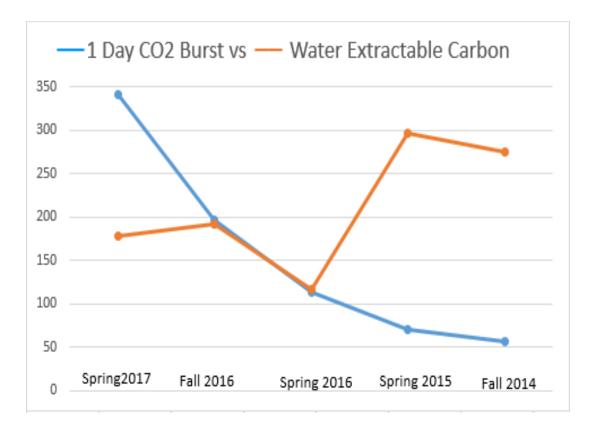






# What Is Going On Under Our Feet

PLFA 4,500 ng/g 6,500 ng/g



**PLFA** 

2,500 ng/g

OM%



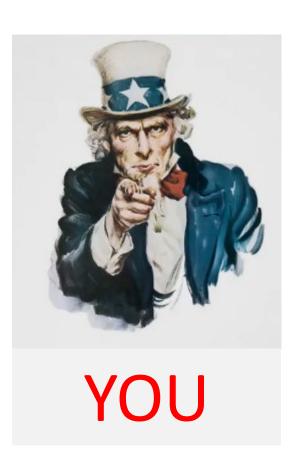
# The Only Ingredients Needed to Reach Potential

• Sun

Soil







The rejuvenation of your soil does not start with the implementation of principles but rather with the commitment to understanding ecological functions.

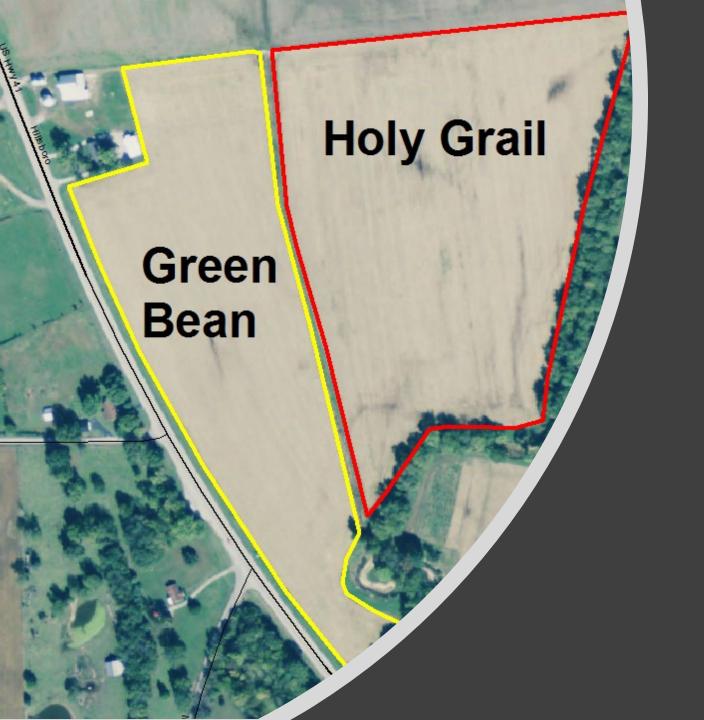
You have to know WHY before How

The Ingredients Will Always Work for the Resource



#### What is the Potential of the Resource?

- Resiliency
  - Moisture
  - Temperature
  - Pests
  - Structure
  - Organic Nutrient Pool
- The Best Conditions Under Any Climatic Condition



What Does Resiliency Look Like & Where Did It Come From

# Comparison

Year	Crop	Green Bean	Holy Grail
2014 Ideal	Corn	230	283 315 NCGA
2015 Dry	Soybeans	51	64
2016 (D4 Drought)	Corn	105	192
2017 Wet	Soybeans	56	76
2018 Real Wet	Corn	204	229

### Principles to Reach Resource's Potential

- Keep the Soil Covered the house must be protected
- Living Plant(s) capturing sunlight drives the functions
- Pump Diversity Embrace nature's synergistic collaborations
- Understand what Tillage Does and what Restores its effects
- Integrate Livestock/Mimic Livestock Integration



We nor the
Resource Can
Reach Our
Potential Through
Denial Of Insanity



### Can You Have a Program Centered Around Soil Health?

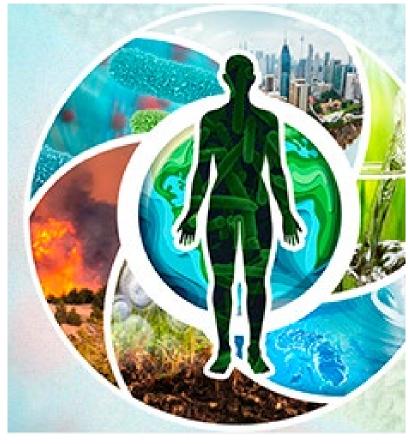
- EQIP \$5,977,790
- CSP \$6,188,220
- ARCF \$1,388,000
- I&E and Equipment \$123,000





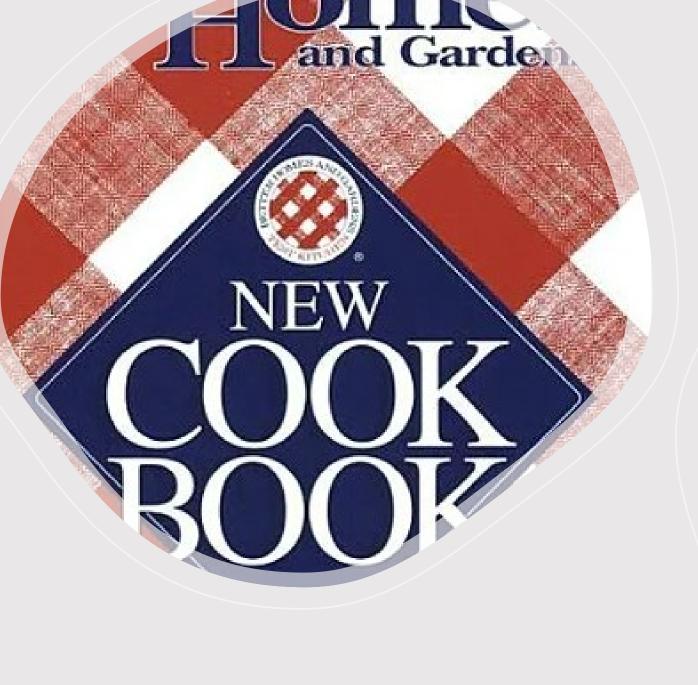


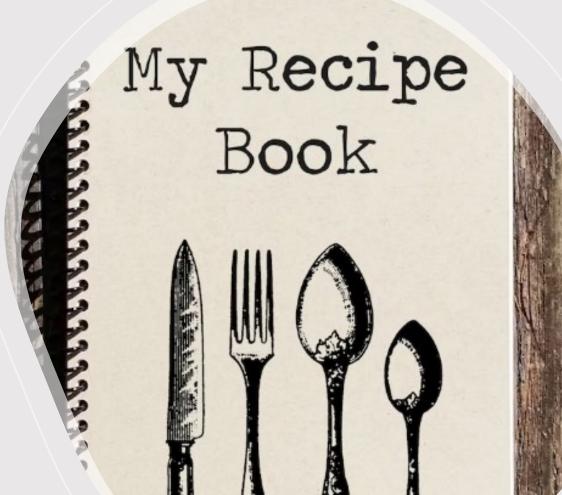






There Is Potential in a Rejuvenated, Healthy, Functioning, Soil Health Management System





# Helping Others Build Their Recipes

- National No-Till Conference 2018
- No-Till on the Plains 2019, 2020, 2024
- Iowa Big Soil Health Event 2023
- Missouri Soil Health Alliance 2017, 2018, 2020
- Ohio No-Till 2023
- Out on the Land TV 2016
- FloLo Farms Iowa 2022
- Kentucky Soil Health 2016, 2017, 2018
- Indiana Soil Health 2018

- Iowa NRCS Employee Training 2022
- NC NRCS Employee Training
- Conversations in Soil Health
- Green Cover Seed Podcast
- Drop Tine Seed Pod Cast
- Indigo Ag Podcast
- KSU Podcast
- Farming Green w/Rick Clark Podcast
- Soil Regen Podcast
- Continuum Ag Podcast





Keep In Mind, We Will Continue to Defy What Nature Truly Wants, But We Can Work With Nature To Restore Function and Increase Potential

There are no "Reductions" or "Eliminations" in Agriculture, Only Substitutions



I Humbly Thank You for Your Time and Wish You all the Best in this Journey