

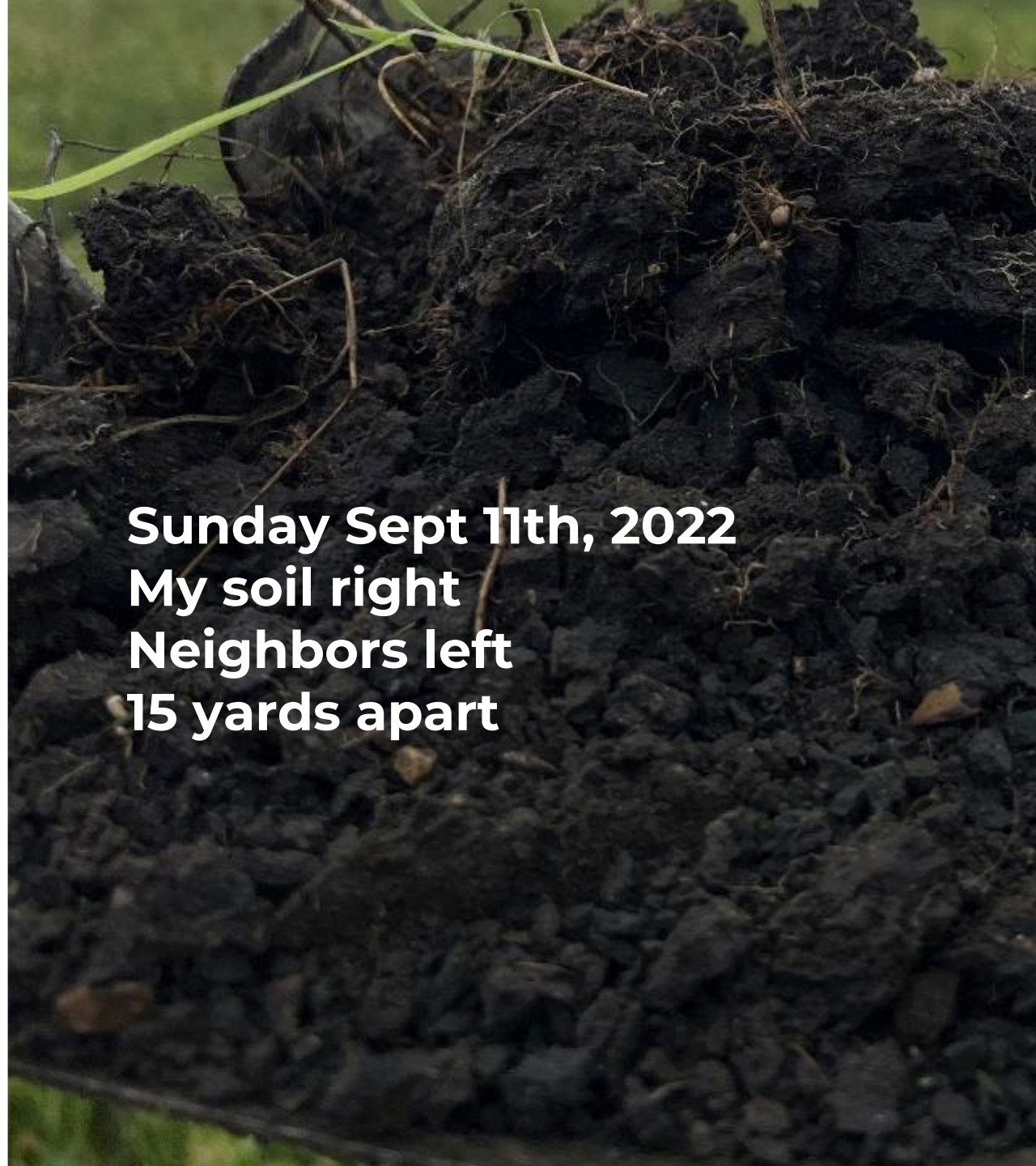


A dramatic landscape featuring a massive dust storm. The sky is filled with dark, heavy clouds, and a bright light source is visible on the right side, creating a strong contrast. The ground is a flat, arid expanse of dry earth and gravel, with some sparse, low-lying vegetation. The overall atmosphere is one of intense natural power and environmental concern.

**Our biggest agriculture export is
topsoil**



**Converting to regenerative agriculture
can change that**



Sunday Sept 11th, 2022
My soil right
Neighbors left
15 yards apart



- 7,000 acres
- 8 crop system / plus 1
- 5,600 acres certified organic
- No starter fertilizer in 8 years
- No fungicide in 8 years
- No seed treatment in 8 years
- No insecticide in 8 years
- No P or K in 8 years
- No ag lime applied in 8 years
- No Nitrogen applied in 3 years
- Organic with no tillage

The 6 principles of soil health

1. Context
2. Minimize disturbance
3. Maximize diversity
4. Living roots
5. Armor the soil
6. Integrate Livestock



The Power of Plants as Nutrients

	N	\$ N	18-46-0	\$ P	0-0-60	\$ K	Total \$\$
12" rye	82	\$91.02	32	\$36.48	133	\$101.06	\$228.56
18" rye	120	\$133.20	44	\$50.16	213	\$161.88	\$345.24
28" rye	134	\$148.74	64	\$72.96	281	\$213.56	\$435.26
Dead rye	84	\$93.24	64	\$72.96	65	\$49.40	\$215.60

100 lbs of rye @ .29/lb = \$29/a

N = \$1.11/lb

P = \$1.14/lb

K = \$0.76/lb

August 1, 2022

LET COVERS CROPS GROW

	N	\$ N	18-46-0	\$ P	0-0-60	\$ K	Total \$\$
May 20	75	\$83.25	65	\$74.10	177	\$134.52	\$291.87
June 4	114	\$126.54	122	\$139.08	267	\$202.92	\$468.54
June 8	262	\$290.82	189	\$215.46	610	\$463.60	\$969.88
July 24	52	\$57.72	33	\$37.62	32	\$24.32	\$119.66
Cocktail cost = \$33/a							
		N = \$1.11/lb		P = \$1.14/lb		K = \$0.76/lb	

August 1, 2022



April 27th

No till soybeans at boot stage of the cereal rye. This moves up our planting date by 35-45 days.



June 2nd

Roll crimping rye. This armor will suppress weeds until beans can canopy.

July 16th

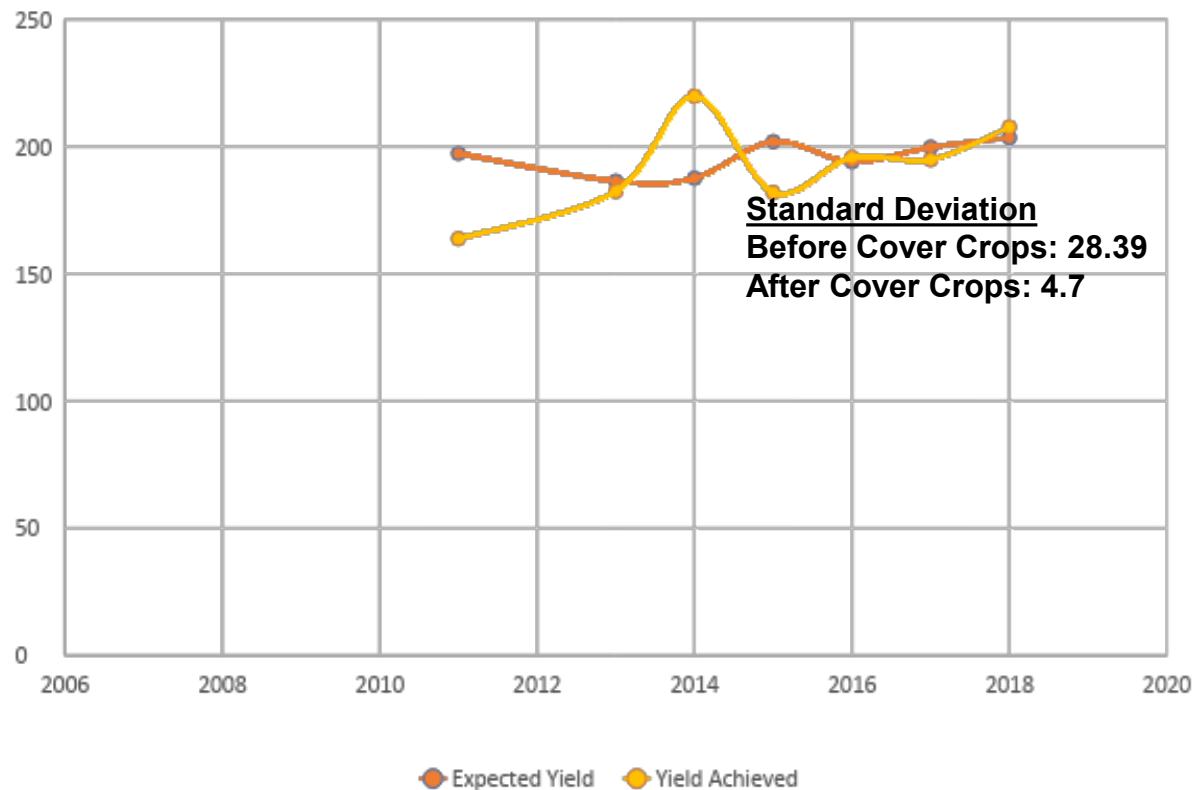
Absolutely amazing. No inputs of any kind.



Stability

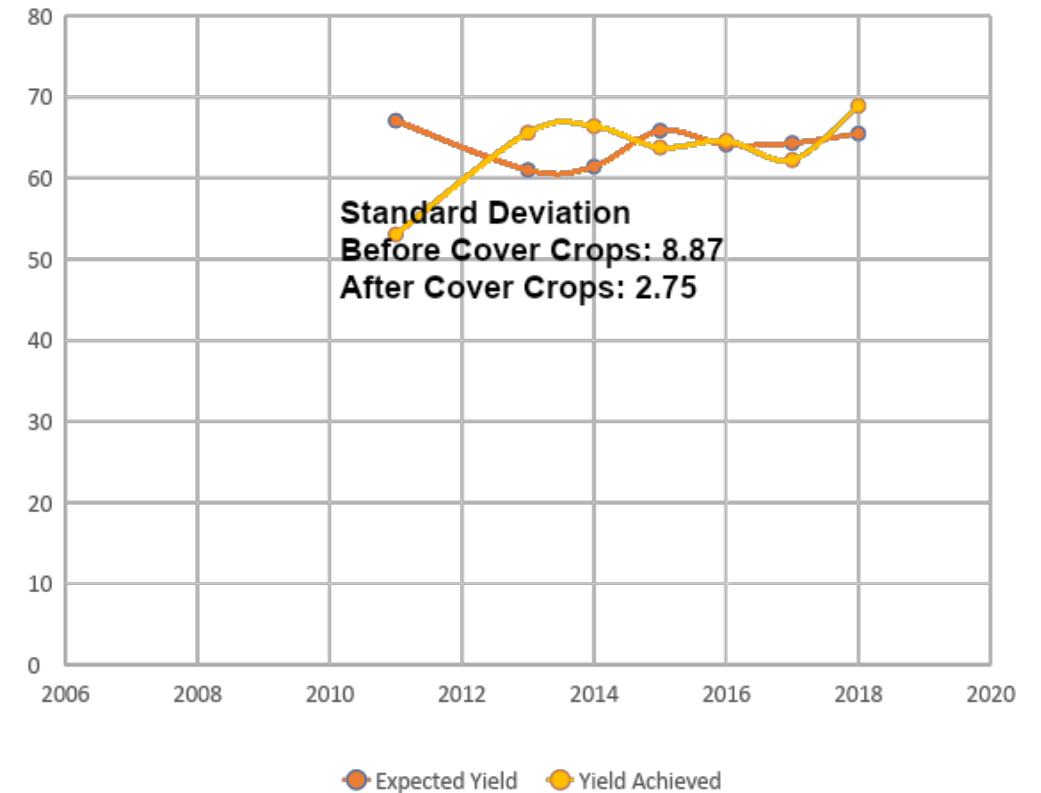
Corn

Corn Yield Comparison



Soybeans

Soybean Yield Comparison



Savings in your pocket!

Diesel fuel	\$ 62,000
Synthetic N	\$ 605,000
MAP	\$ 334,000
Potash	\$ 347,000
Lime	\$ 126,000
Chemistry	\$ 483,000

Total \$ 1,957,000

Note: The total dollar amount is repeated every year.

August 1, 2022

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- The background image shows a lush green field, likely a cornfield, with a red tractor visible in the lower foreground. In the distance, there are several farm buildings, including a white house and a red barn, under a clear sky.
- 1. Education, Technical Assistance**
 - 2. Equitable Opportunity And Access To All USDA Programs**
 - 3. Regional Access To Infrastructure, Processing And Markets**
 - 4. Increase Access To Healthy And Regionally Sourced Food**
 - 5. Increase Farmland Preservation And Access For Historically Underserved Producers**
 - 6. Incentivize Soil Health And Risk Mitigation Through Federal Crop Insurance And Lending**