



2022 Soil Health Program

Pattern Ag is launching a new soil health program, and looking for your participation. Our goal is to evaluate soil health indicators in relation to field management strategies, both conventional and regenerative practices (no-till and/or cover crop). We will use this information to establish metrics that are early indicators of positive or negative movement towards optimal soil health.

While we know that soil health and fertility is important to you, we also know that improving soil health and maintaining consistent yield is a balancing act that requires patience as soil health improvements are incremental. For participating in this program, we will provide you with **full dashboard insights, an end of the year summary at no cost, and more.**

Field Qualifications

Crops: Corn, Soybeans, Corn-Soy Rotation, Corn-Soy-Wheat Rotation

Minimum Acreage Per Field: 40 Acres (we will be pulling samples in 10-acre zones)

Management: To qualify, your field must meet one of the following criteria

- Fields in the process of transitioning from conventional to regenerative management practices (1-10 years)
- Fields that have had long-term regenerative management practices (10+ years)
- Fields that have had long-term conventional management practices (10+ years)

Pattern Will Provide

A Full Dashboard insights, including:

- **Pathogens** - Corn rootworm, Soybean Cyst Nematode, Sudden Death Syndrome, Root rots (Fusarium, Rhizoctonia, Pythium, & Phytophthora), Soybean Stem Canker, Anthracnose of Soybean, Brown Stem Rot
- **Soil Health Metrics** - Phosphorus solubilizing potential, nitrogen fixation potential, anaerobic indicators, microbial diversity
- **End of Year Summary** - Maps of disease pressure & soil health analytics, a report integrating all insights, seminars on the use of reports and findings

Grower Will Provide

- Access to a field - pre-planting & in-season
- A shapefile of field
- Current year planting & yield files
- Last 5 years of:
 - Tillage practices
 - Fertilizer management
 - Cover crop
- Information on regenerative practices

For more information, or to become a part of the Pattern Ag Growers Initiative, contact Trent Newell at trent@pattern.ag or call 800-933-8644.