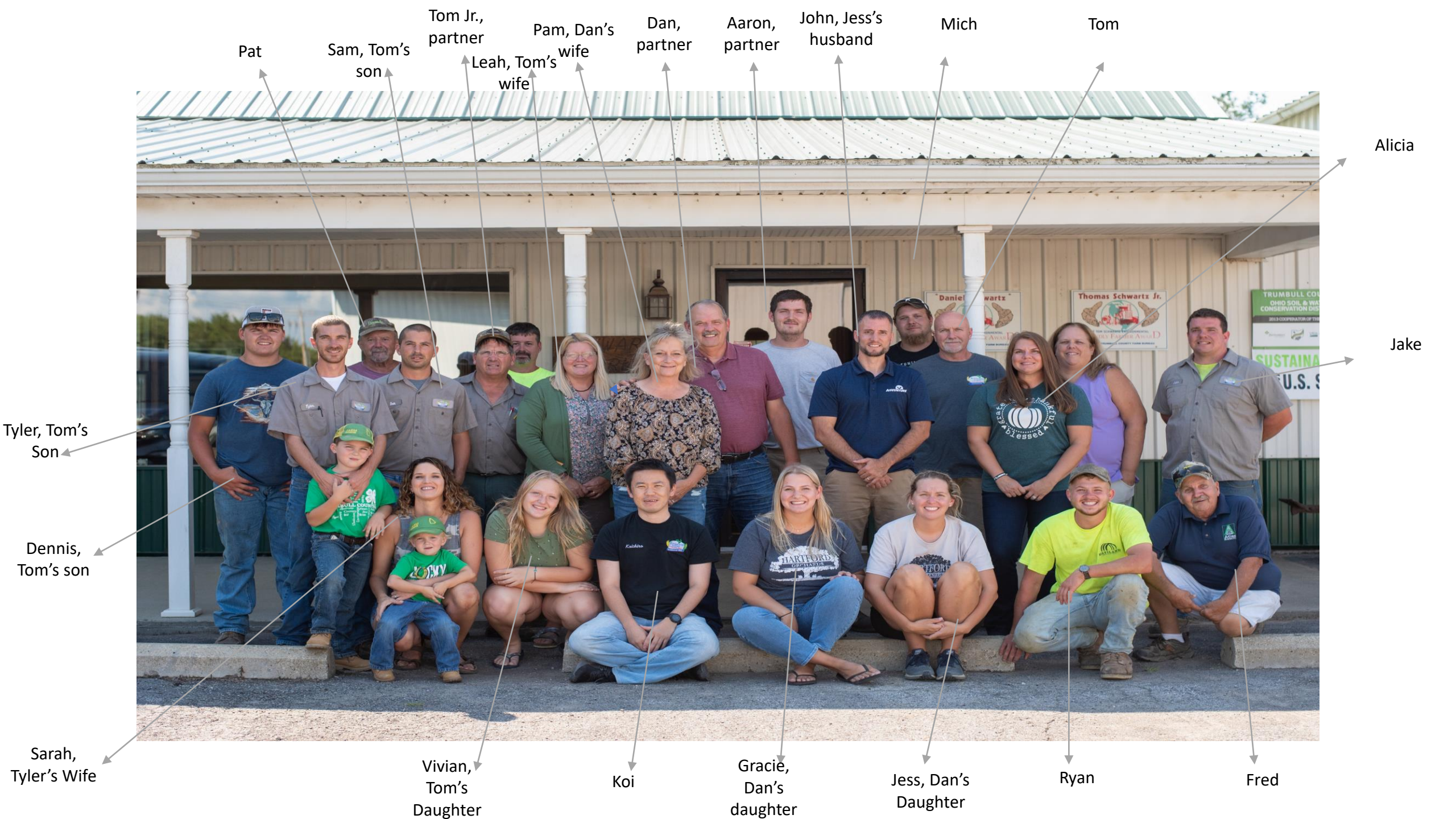




U.S. Soybeans: The Case Study of Sustainability in the Production of Food Beans II



Pat

Sam, Tom's son

Tom Jr., partner

Leah, Tom's wife

Pam, Dan's wife

Dan, partner

Aaron, partner

John, Jess's husband

Mich

Tom

Alicia

Jake

Tyler, Tom's Son

Dennis, Tom's son

Sarah, Tyler's Wife

Vivian, Tom's Daughter

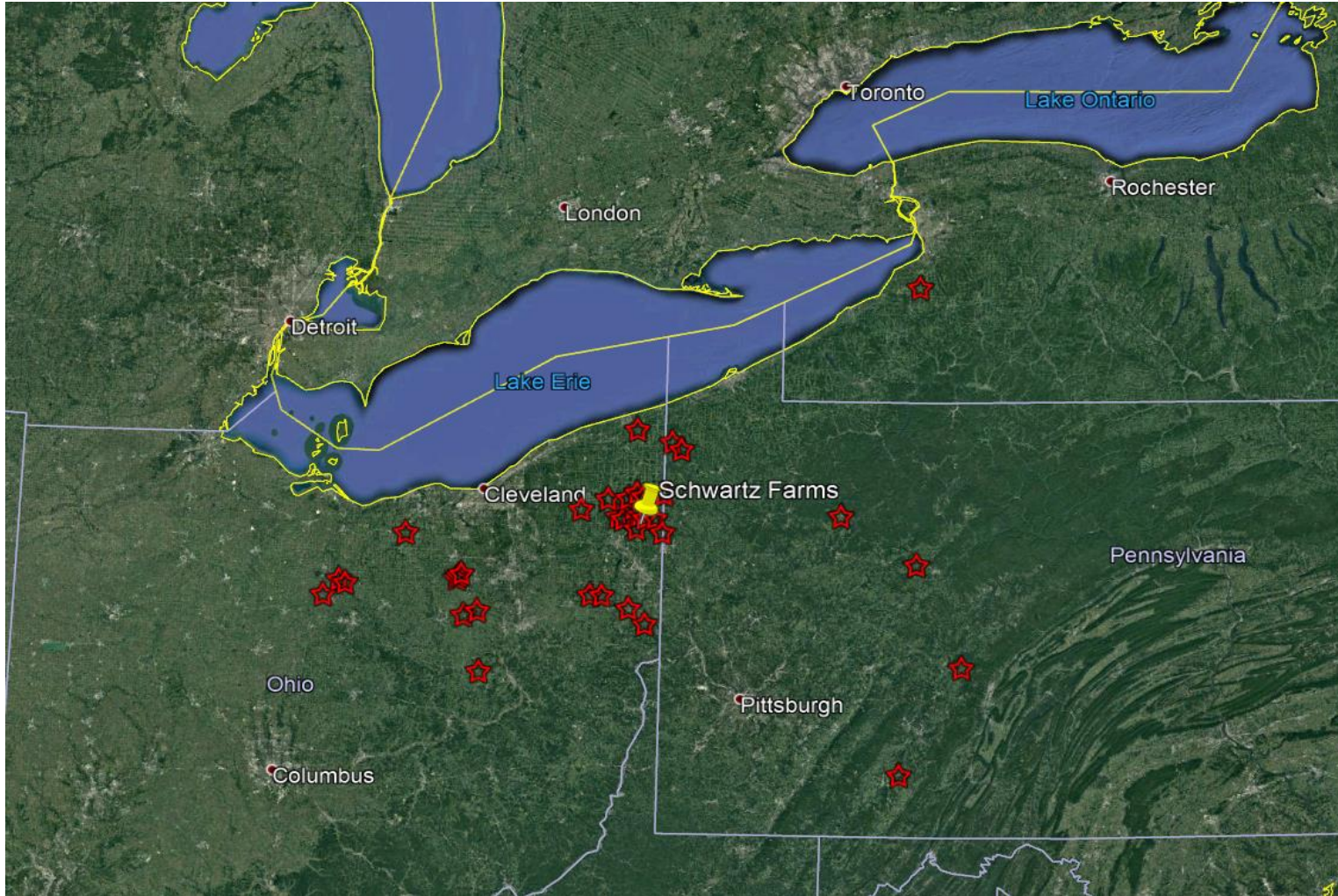
Koi

Gracie, Dan's daughter

Jess, Dan's Daughter

Ryan

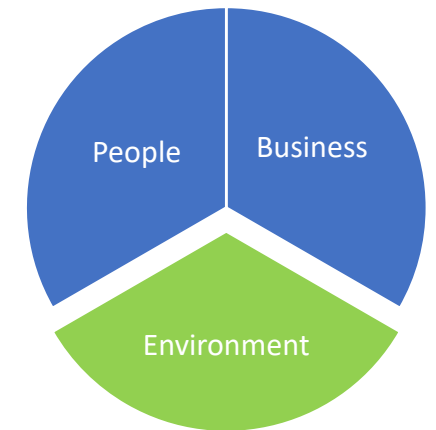
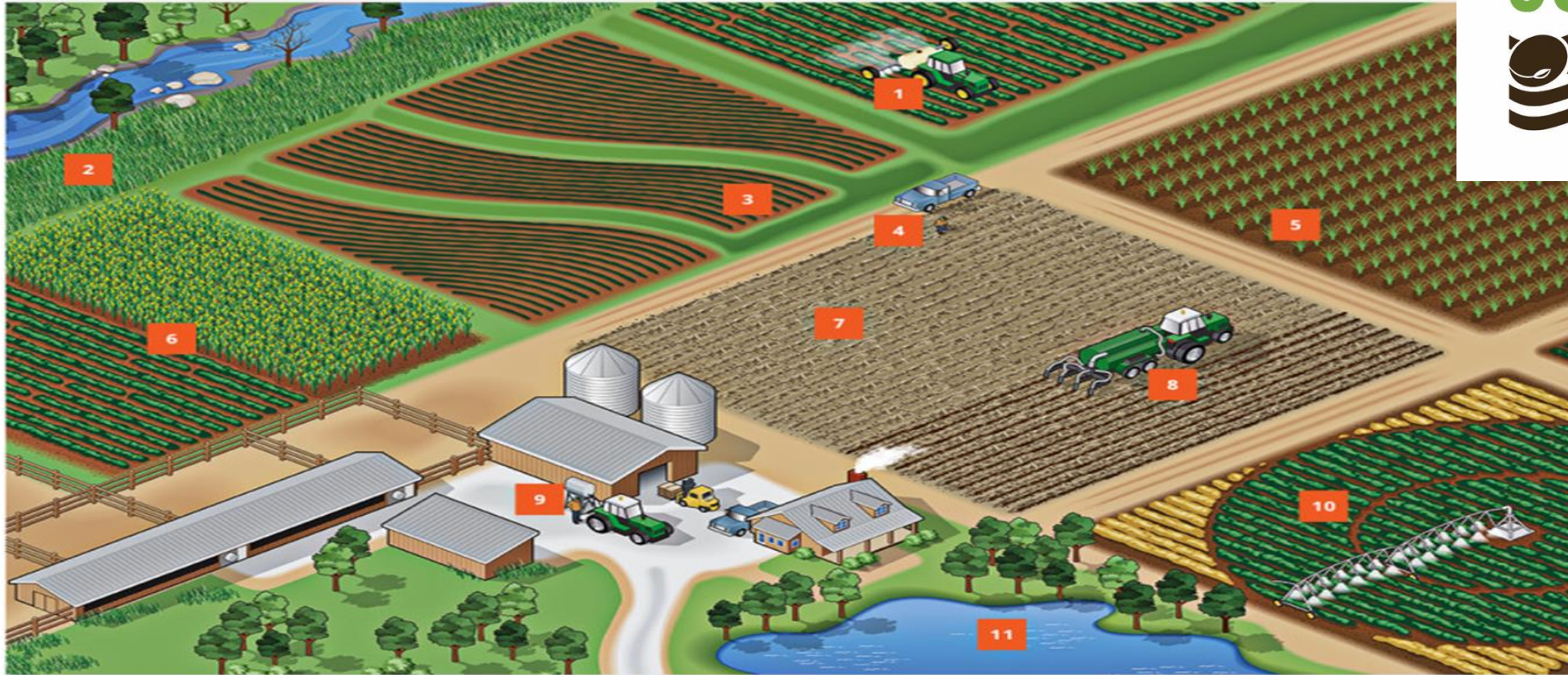
Fred



- 62 total Contract Growers – Ohio 43, Pennsylvania 17 and New York 2 in 2023 crop
- Opportunity to grow, diversify & be profitable
- Helps the greater community

Prioritizing sustainable farming

A FRAMEWORK FOR SUSTAINABLE FARMING



1 PRECISION CHEMICAL APPLICATION
2 CONSERVATION RESERVE PROGRAM
3 TERRACES
4 SCOUTING

5 COVER CROPS
6 CROP ROTATION / DIVERSITY
7 NO-TILL / CONSERVATION TILLAGE
8 PRECISION NUTRIENT MANAGEMENT

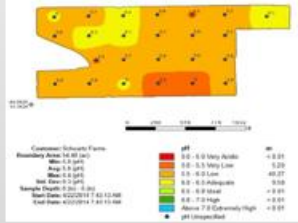
9 REDUCING FUEL USE
10 IRRIGATION
11 WATER-STORAGE PONDS

INVESTING IN TECHNOLOGY

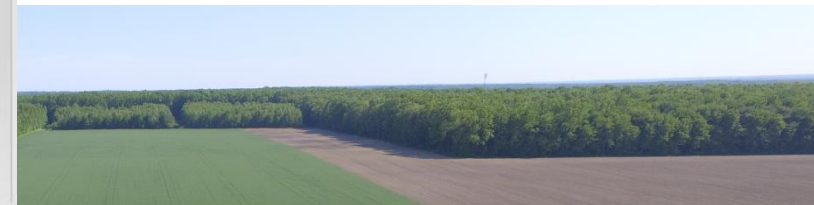
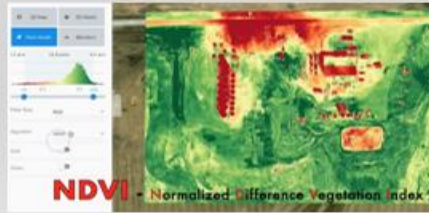
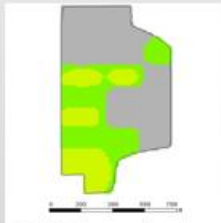


- GPS systems used for:
 - Field Work
 - Tile Installation & Maps
 - Soil Testing
 - Fertilizer Applications
- Precision agriculture uses satellite & drone technology that result in energy savings

Soil test



Fertilizer test



Schwartz Farms- detail variety testing on different types of grain.





CERTIFICATE of SUSTAINABILITY

According to U.S. SOYBEAN SUSTAINABILITY ASSURANCE PROTOCOL

This is to certify that soybeans or soy products described herein were produced in compliance with U.S. laws, regulations, production practices, and audit process as listed in the U.S. Soybean Sustainability Assurance Protocol.

SOY EXPORT SUSTAINABILITY, LLC
16305 Swingley Ridge Rd.
Suite 200
Chesterfield, MO 63017
USA

CERTIFICATE VALIDATION
Use the Certificate Number & the Certificate Code below to validate this certificate on the secure SES Certification Portal (usses.org):

Certificate Code:
096be0cbb97bf46ee1fd

NAME OF EXPORTING COMPANY

Schwartz Farms

VESSEL/CARRIER NAME/SHIPMENT IDENTIFIER

COSCO JAPAN V.063S

Export Location: Prince Rupert, Canada

DATE OF SHIPMENT

February 2, 2018

PRODUCT

Soybean

METRIC TONS

42.000

CERTIFICATE NUMBER

SES-SSAP-US18-075417904

Dan Schwartz

Company Representative

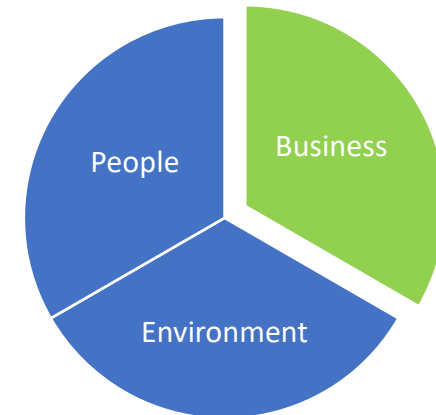
DATE OF CERTIFICATION

February 6, 2018

SES

ALL SOY SOURCED & SHIPPED FROM THE U.S.A.

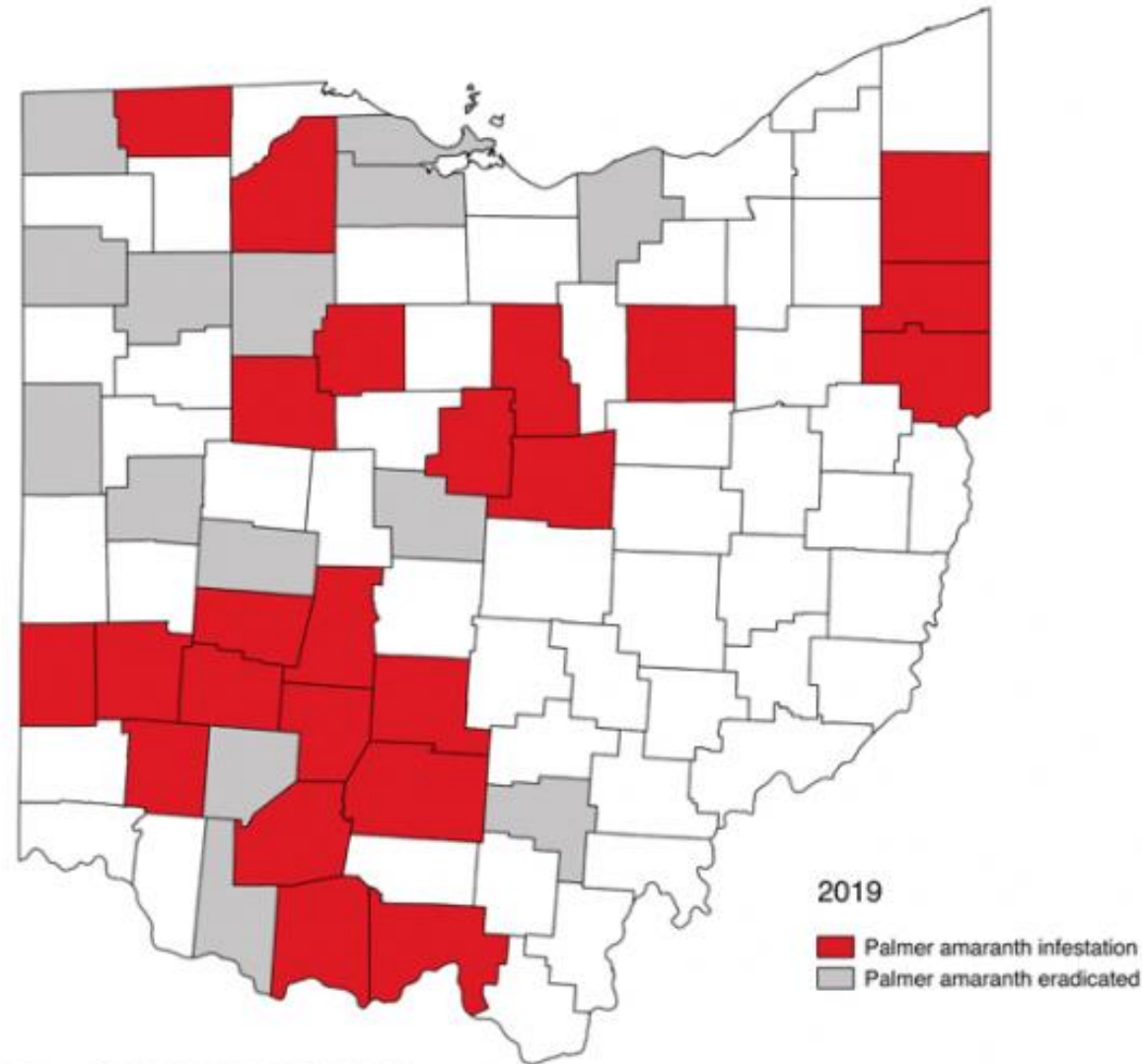
- 100% of Schwartz Farms soybeans are SSAP certified
- Transparency, traceability & competitive advantage in the supply chain



Ohio Palmer amaranth distribution - 2019

Infested = at least one population currently being managed

Eradicated = plants found and removed



2022-Percentage of Fields with Waterhemp

