

Feed & Grain



Staying Ahead of the High  
Oleic Soybean Curve



**Feed&Grain**

Roger Theisen, Marketing Manager,  
Specialty Crops @Corteva Agriscience





# Feed & Grain

Brian Palmer, Sr. Director of Grain  
Origination @Perdue AgriBusiness





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Belinda Burrier, United Soybean Board  
Director @United Soybean Board (USB)



# Corteva Agriscience is the Global Leader in Healthy Oils

- **Corteva Healthy Oil Portfolio:**

- Plenish® high oleic soybean oil
- Omega-9 Canola Oil
  - *Non-GMO option available*
- High Oleic Sunflower Oil

## Key Oil Competitors:

- Palm
- Commodity Soy
- Commodity Canola
- Corn
- Coconut
- Cotton



# Plenish®

## The Reinvention of Soybean Oil™

- Plenish high oleic soybeans are elite, high-yielding varieties that help to enhance farmer profitability because contracting processors pay a premium on every bushel.
- The elite varieties produce a high oleic soybean oil that has become the industry standard among processors and food companies.
- Got Weeds? Plenish soybeans allow for flexibility with early pre-plant, pre-plant/pre-emergence, post emergence herbicide and fungicide applications.



**plenish**  
High Oleic Soybeans

- Multiple years of local on-farm yield trials across hundreds of comparisons demonstrate Plenish high oleic soybeans yield as well as or better than elite commodity soybean varieties
- Processors typically pay 40–60 cents/bushel premium for Plenish high oleic soybeans
- Numerous delivery points in Plenish high oleic soybean contracting areas with flexible delivery options
- Plenish high oleic soybean oil contains high levels of heart-healthy monounsaturated fat which is sought by processors and end-users needing a zero trans-fat oil with increased heat and oxidative stability
- Accepted by more processors than competitive products

The image shows a clear plastic bottle of Plenish High Oleic Soybean Oil. The bottle has a white cap and a label that reads "plenish High Oleic Soybean Oil" and "The Reinvention of Soybean Oil™". Below the main label, there is a smaller label with the Pioneer logo and the word "PIONEER". The background is a light green gradient.

# Seed Breeding

- Corteva innovation helps create better seeds for healthier oils through both traditional (canola) and bioengineering (soybean) plant breeding.
- In North America, Corteva Agriscience offers high oleic seeds in:
  - Canola
  - Soybeans
  - Sunflowers
- These seeds are sold to farmers and grown to produce healthy oils.
- Omega-9 Canola Oil is available in a non-GM option through select suppliers.
- Corteva does not process or sell the oil itself but instead partners with the crushers/processors to market these healthy oil options.



## SEED

The science behind soybean and canola seeds



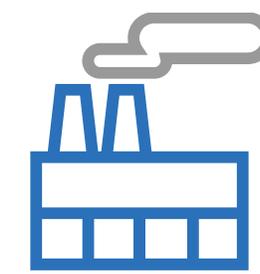
## FARM

Where farmers grow soy and canola



## OIL

Why food is made with oil



## PROCESSING

How seed becomes oil

# Current Plenish® Supply Chains in Place For Reliable Oil Sourcing



Fairmont, MN



Hastings, NE



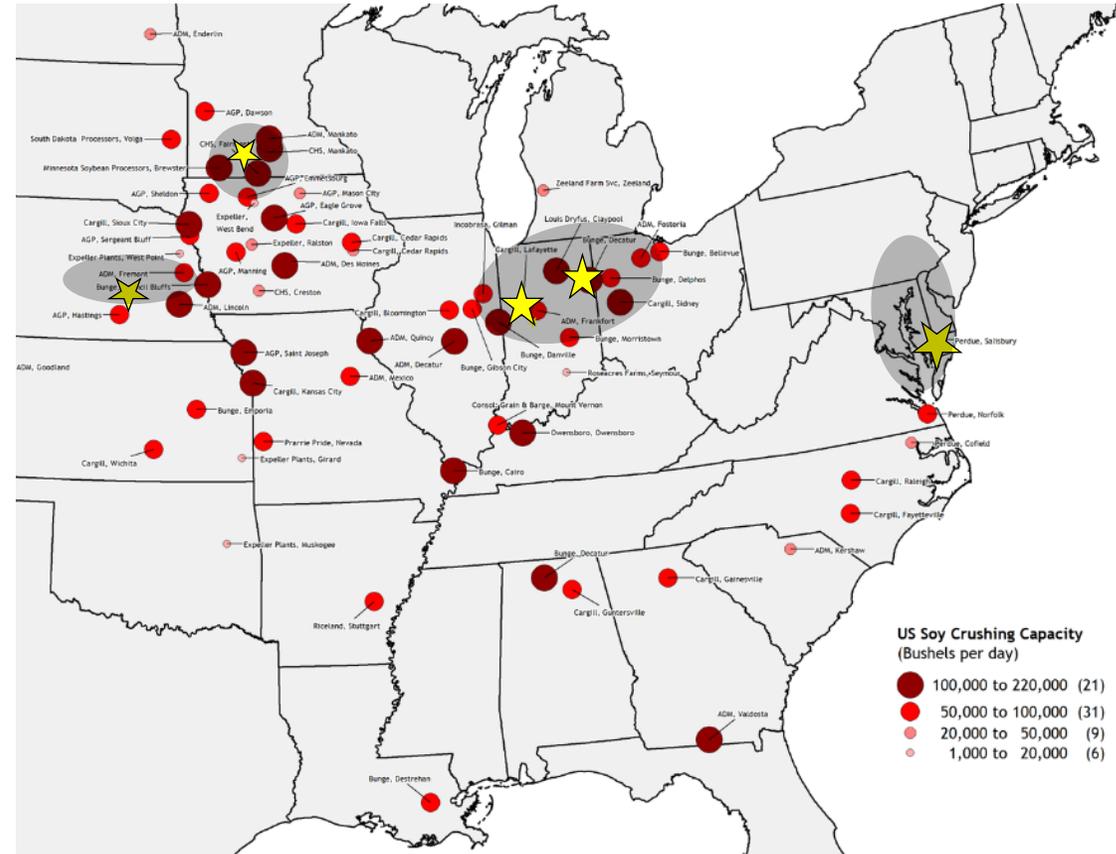
Frankfort, IN



Delphos, OH  
Bellevue, OH  
Decatur, IN



Salisbury, MD



-  = Current Plenish Production Geographies
-  = All U.S. Crush Locations
-  = Current Plenish Crush Locations

# Plenish: Identity Preservation



## Simple IP Process

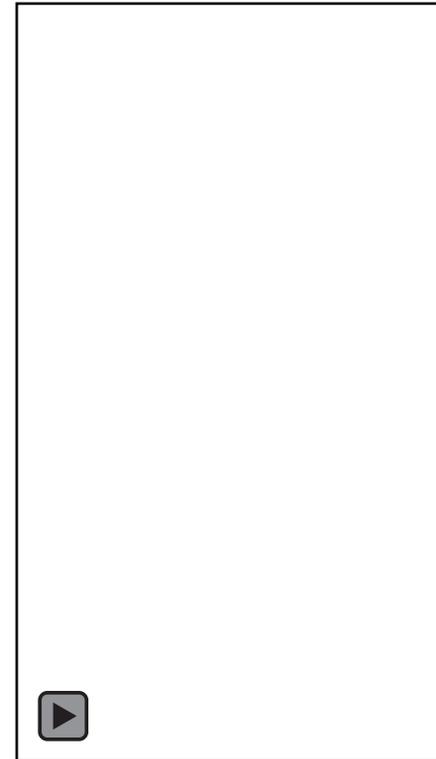
Plenish soybeans are grown and marketed under an identity-preserved contracting program. The program is simple and easy to follow:

1. Clean seed hopper/boxes prior to planting Plenish soybean varieties.
2. Mark fields where planting of Plenish soybean varieties begins and ends.
3. Run combine empty prior to and after harvesting Plenish soybeans.
4. Clean storage bins, trucks and wagons prior to handling Plenish soybeans to maintain purity

# Plenish: Testing

Upon delivery of Plenish soybeans, Perdue avoids cross-contamination at the elevator and uses an NRI machine to test for higher oleic oil content:

- Oleic: 69% - 85%
- Linolenic: Less than 3%



# Plenish: Marketing



Growing Plenish nets the farmer a premium of \$32/acre vs. conventional beans. Every 100k acres of Plenish will generate \$3.2 million of premiums for farmers. Plenish beans offer high yield potential, more profit per acre, and strong agronomics.

**Farmers can earn up to \$0.75/bu growing High Oleic Soybeans for Perdue:**

- **\$0.65/bu** (on-farm storage)
- **\$0.50/bu** (harvest delivery)
- **\$0.10/bu** additional if plant 100% soybean acres to Plenish soybeans



# Quick Polls



# Questions?



# Thank you!

[roger.theisen@corteva.com](mailto:roger.theisen@corteva.com)  
[Brian.Palmer@perdue.com](mailto:Brian.Palmer@perdue.com)  
[burrierfarmsred@outlook.com](mailto:burrierfarmsred@outlook.com)

