



# No-Till Product Solutions Round 1: Innovations for Sustainable Farming

Featuring: GO Seed, The Andersons, Horizon Ag,  
Total Farm Marketing, Martin-Till





Novel solutions for growing concerns.

# THE LEADER IN COVER CROP BREEDING

INITIAL FOCUS = SHORT-TERM RETURN ON INVESTMENT

## Nitrogen Fixation : GROW YOUR OWN NITROGEN!

FIXatioN Balansa Clover  
eNhance Persian Clover  
Q Red Clover

Frosty Berseem Clover  
Kentucky Pride & Majestic Crimson Clovers  
Survivor Winter Peas

## Soil Compaction : USE BIOLOGY TO REDUCE COMPACTION!

Taplt Hybrid Brassica

Phoenix Phacelia

## Erosion Control : INCREASING ROOTS & SOIL COVERAGE!

## Weed Suppression : UTILIZE ALLELOPATHIC CHEMICALS TO CONTROL WEEDS!

# Defeating Compaction With Roots



www.GOSeed.com



**RELEASED  
FALL 2025**

**TAPIT**   
**HYBRID  
BRASSICA**



# ROOT ELONGATION



**EXTENDS 36 INCHES DEEP IN AS QUICK AS 28 DAYS!!!**



Photo by Scout Seed –  
South Carolina



**INITIAL  
FEEDBACK  
FALL OF 2025**



Photo by Midwest Grass  
& Forage – Illinois

Photo by GreenPoint Ag –  
Mississippi

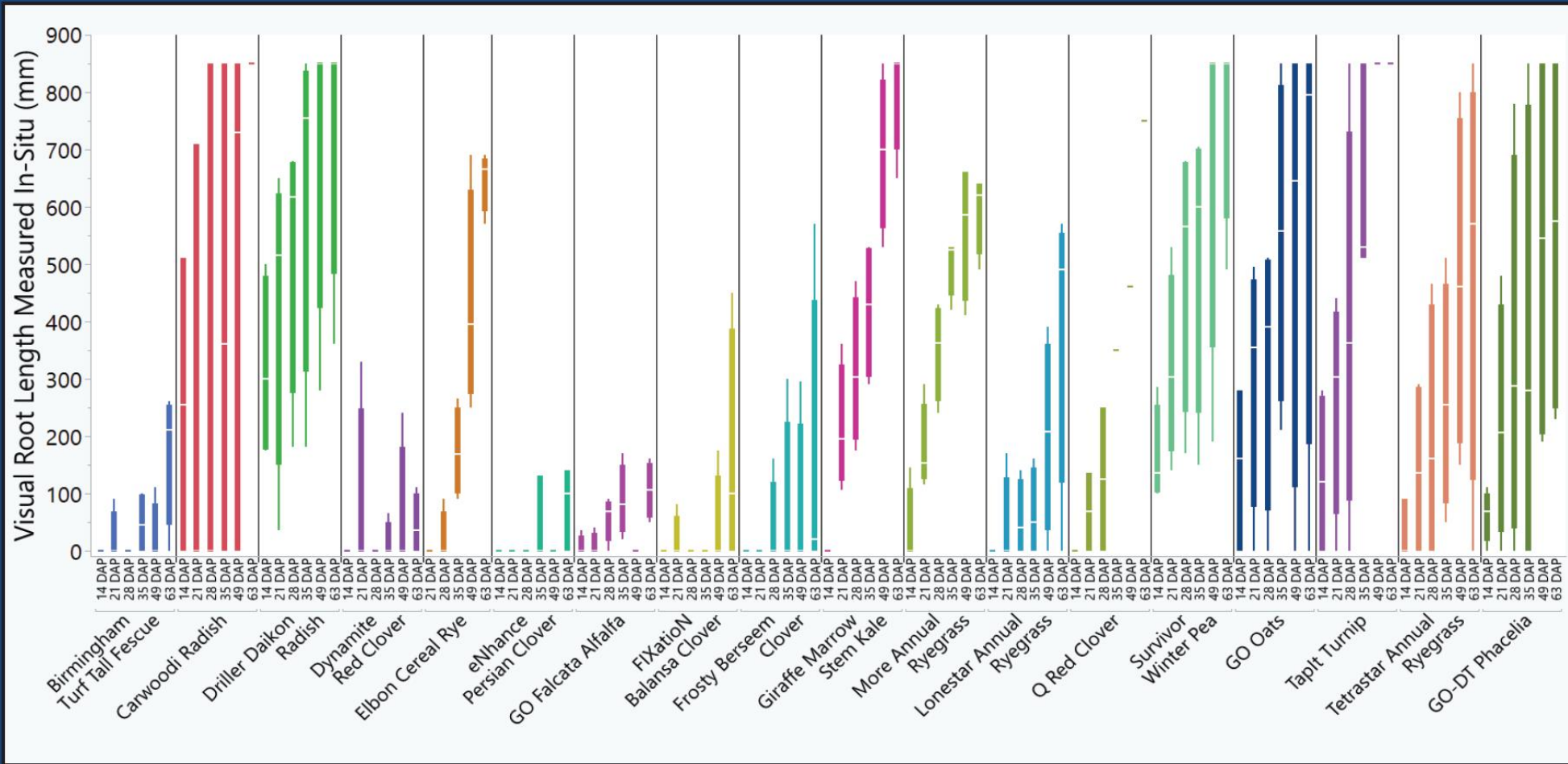


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# Taplt versus Daikon Encountering Bentonite Clay



# GO Seed Root Elongation Study Results 2023-2024



FORAGE TESTING LABORATORY  
 DAIRY ONE, INC.  
 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

-----  
 |Sample Description |Farm|Code| Sample |  
 |FR BRASSICA FORAGE | | |218 |30678500 |  
 -----  
TAPLT HAYBRID / BRASSICA GREENHOUSE

-----  
 |Sampled | Recvd |Printed |ST|CO|  
 |04/02/25|04/04/25|04/22/25| | |

-----  
Analysis Results
Components
 -----

TAPLT HAYBRID / BRASSICA GREENH  
 Grassland Oregon  
 PO Box 17219  
 Salem, OR 97305

% Moisture	90.4	
% Dry Matter	9.6	
% Crude Protein	2.8	29.2
% ADF	1.1	11.7
% aNDF	2.1	21.5
% aNDFom	1.8	19.1
% Lignin	.2	1.8
% NFC	2.4	25.4
% Starch	.5	4.8
% ESC (Simple Sugars)	1.5	16.1
% Crude Fat, EE	.41	4.27
% Ash	1.88	19.66
% TDN	6	65
NEL, Mcal/Lb	.07	.73
NEM, Mcal/Lb	.07	.69
NEG, Mcal/Lb	.04	.42
% Calcium	.21	2.18
% Phosphorus	.06	.58
% Magnesium	.03	.29
% Potassium	.58	6.09
% Sodium	.027	.284
PPM Iron	27	284
PPM Zinc	4	38
PPM Copper	< 1	7
PPM Manganese	13	132
PPM Molybdenum	< 0.1	1.0
% Chloride Ion	.04	.46
Horse DE, Mcal/Lb	.11	1.15

-----  
 ENERGY TABLE - NRC 2001  
 -----

	Mcal/Lb	Mcal/Kg
DE, 1X	1.41	3.10
ME, 1X	1.22	2.69
NEL, 3X	0.71	1.57
NEM, 3X	0.75	1.65
NEG, 3X	0.47	1.04
TDN1X, %	65	

COMMENTS:  
 1. THIS SAMPLE WAS TESTED TWICE  
 FOR CRUDE PROTEIN, LIGNIN, ACID  
 DETERGENT FIBER, NEUTRAL  
 DETERGENT FIBER AND ANDFOM TO  
 CONFIRM THE VALUES LISTED.

# SUITABLE FOR GRAZING



**COLD  
TOLERANCE ?**

**To be determined**





PERSIAN CLOVER

[www.GOSeed.com](http://www.GOSeed.com)



Majestic





# *Precision Farming Dealer Conference*

The Andersons, Inc.

# Agenda

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- Introduction to foliar feeding
- Aero products lineup



# *Introduction to Foliar Feeding*

# Why Foliar Feed?



- Low rate of fertilizer required for benefit
- Can be precisely timed around yield determining growth stages
  - V4-V5 ear set determination
  - V8-V12 ear elongation and pollination at tassel
  - V stages in soybeans to overcome early growth stresses
  - R stages in soybeans for reproduction

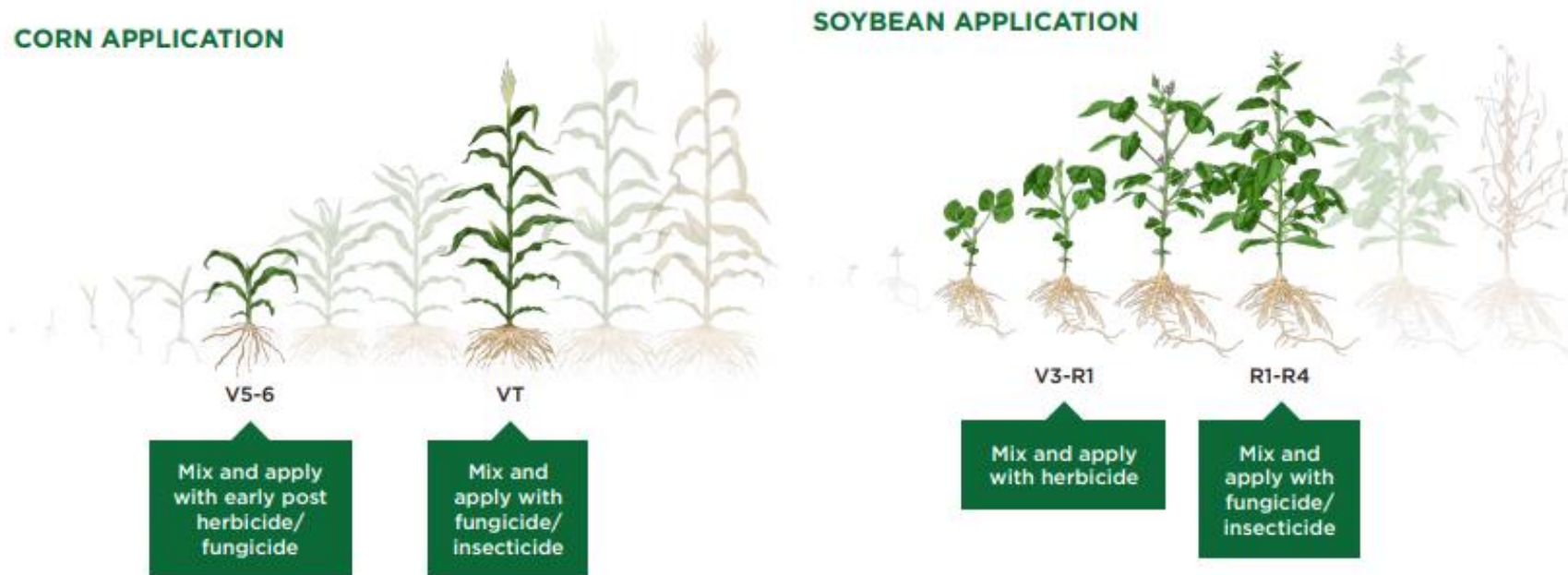
Advantage of Using Foliar Fertilizer  
Michigan State University

Clay loam, organic loam soils	Sandy loam soils
Foliar feed 6X more efficient than soil application	Foliar feed 20X more efficient than soil application

# Foliar Fertilizer Compatibility



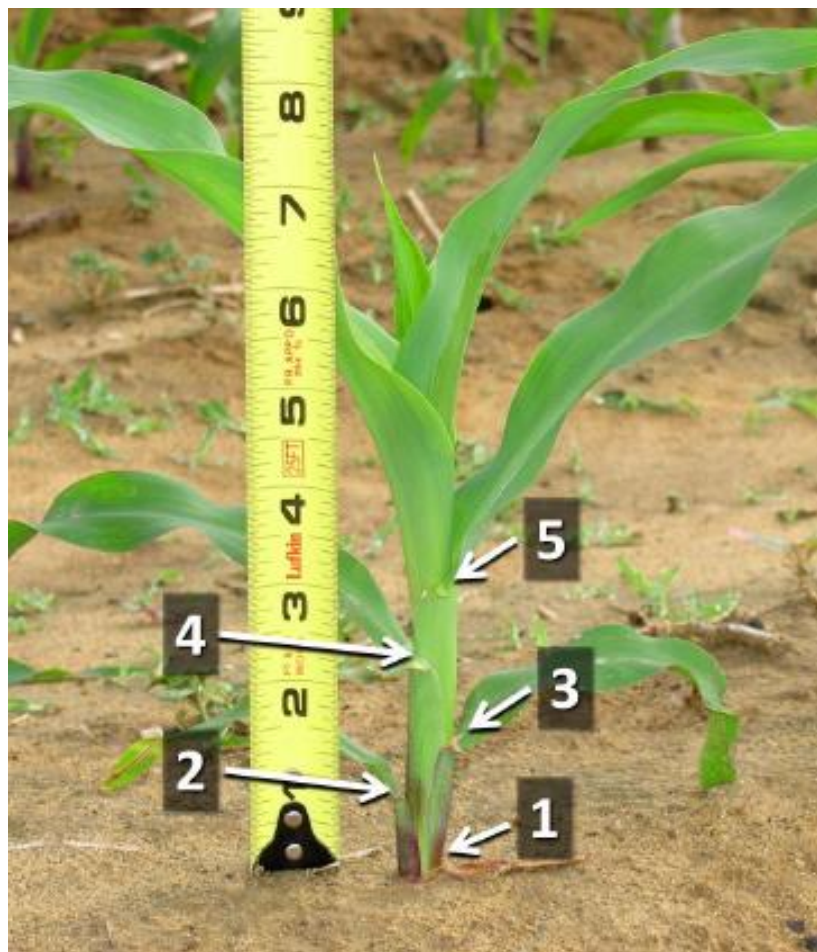
- Most foliar fertilizers are compatible with many crop protection products as a tank mix partner.
- Always do a compatibility (jar) test before field mixing and application.



# Plant Health: Early Vegetative



Critical Growth Stage (V5) is when kernel rows are set



# Potential for Yield Loss



- For a 16-row ear, 2 kernel per rows is equal to about 25 bu/acre (for average populations)



# Rapid Plant Growth

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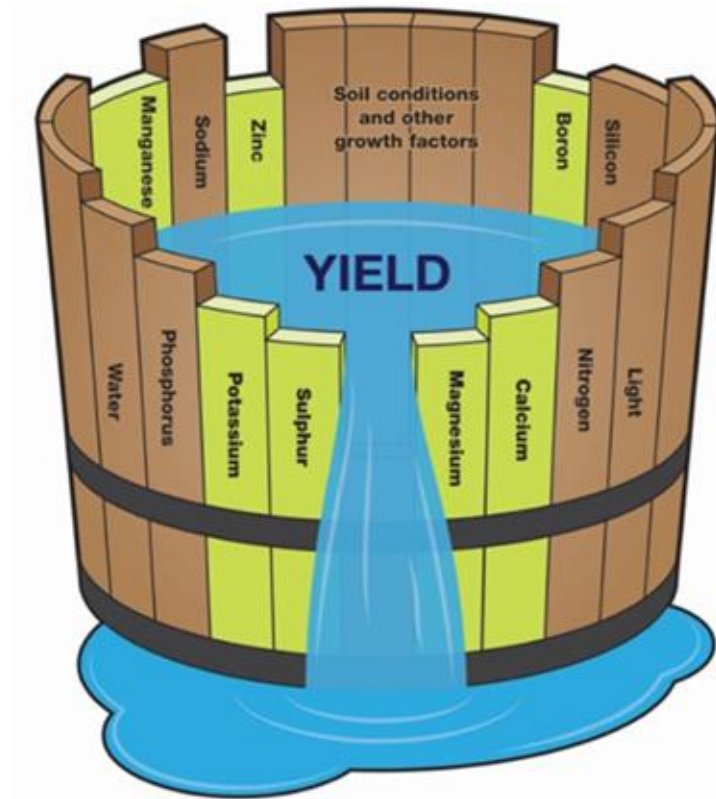
- During this time, corn is growing very rapidly
- Nutrient needs increase to support rapid growth
- Critical growth stage: Corn plant is determining length of ear



# Nutrient Deficiencies



- Law of the Minimum
- Water represents yield and each stave represents a nutrient
- A nutrient deficiency is represented by shortening a stave
- The water can only rise as high as the shortest stave, even if all other nutrients are at adequate levels



# Why Aero?

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- Developed lineup of products fit for drone and other methods of aerial application
- Low-use rate products to improve efficiency of drone applications where space and weight in the tank is a priority

## AERIAL APPLICATIONS REVOLUTIONIZE AGRICULTURE



# Aero Products Lineup

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AERO  -N™

10-0-0

AERO  -Mino™

8-0-0 WITH AMINO ACID

AERO  -Blitz™

11-7-4 + 0.02 B, 0.1 Fe, 0.06 Mn,  
0.003 Mo, 0.06 Zn

# Aero-N™

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- 10-0-0
- What makes Aero-N unique?
  - Carbon
    - Improves the efficiency of applied fertilizer
  - Slow-Release Nitrogen
    - Includes nitrogen in the slow-release form for improved efficiency and reduced environmental losses
  - Plant Extracts
    - Natural plant extracts to improve overall plant health and growth
- Where it fits
  - Late season with fungicide
    - VT in corn
    - R3 in soybeans
- Use rate:
  - 16-32oz/acre

AERO-N™  
10-0-0

# Aero-Mino™

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- 8-0-0 with amino acid
- What makes Aero-Mino unique?
  - Amino Acid
    - Amino acids improve nutrient absorption, stress tolerance, hormone regulation, improves photosynthesis, and improves enzyme activation
    - Contributes to nitrogen analysis
  - Sugar
    - Utilizes a sugar source for an energy boost
- Where it fits
  - Application at any time throughout the growing season
- Use rate:
  - 16-32oz/acre

**AERO-Mino™**  
8-0-0 WITH AMINO ACID

# Aero-Blitz™

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- 11-7-4 + 0.02B, 0.1Fe, 0.06Mn, 0.003Mo, 0.06Zn
- What makes Aero-Blitz unique?
  - EDTA micronutrients
    - Tank-mix friendly with crop protection products
  - Nitrogen in urea form
    - Nitrogen in this form can be efficiently taken up through the leaf tissue and utilized by the crop
  - Green-up after application
    - Includes iron the formulation which will provide an excellent visual response to application
- Where it fits
  - Early to mid-season with fungicide and herbicides
- Use Rate:
  - 16-32oz/acre

**AERO-Blitz™**

11-7-4 + 0.02 B, 0.1 Fe, 0.06 Mn,  
0.003 Mo, 0.06 Zn



***Thank you!***

For questions or other program recommendations, reach out to your Territory Manager

# Introducing Horizon Agricultural Machinery Ltd



**HORIZON**

regeneration through innovation

A green tractor pulling a DSX No-till Seeder in a field at sunset. The tractor is moving from right to left, leaving tracks in the dark, tilled soil. The background shows a line of trees and a hill under a golden sky.

# Agenda:

- Our Company
- Me, Our Farm and Factory
- The DSX No-till Seeder

# Horizon Introduction

**HORIZON**

| regeneration through innovation |

- Horizon was founded in 2019 & started manufacturing in 2020
- Our focus is purely on developing innovative products that promote soil regeneration.
- Delivered over 400 machines into 38+ countries since starting in 2020
- Based in Lincolnshire, UK, 50 employees and a 850-acre development farm.

## Our Products



**DSX Trailed No-Till Drills**



**MDSX Mounted No-Till Drills**



**PPX Precision Planter**



**SPX Strip-Till Cultivator**



**Granular Hoppers and Liquid Tanks**

# DSX

# HORIZON

| regeneration through innovation |



# Charlie Eaton

**HORIZON**

| regeneration through innovation |

- Dairy farmers son
- 11 years of selling no-till drills across 40+ countries
- Joined horizon in 2021
- Lead all our commercial activity



# Our Farm

**HORIZON**

| regeneration through innovation |

- Farmed by 3 generations of the Sly family, George Sly farms in partnership with two neighbouring farmers.
- 300 hectares, low lying silty clay (over 30% clay) all  $\pm$  0.5m from sea level.
- Wheat, Oats, OSR, Triticale, Maize and previously Sugar Beet.
- Strip-till for Sugar Beet and Maize since 2010, direct drilling cereals since 2017.



# New Production Facility

**HORIZON**

| regeneration through innovation |

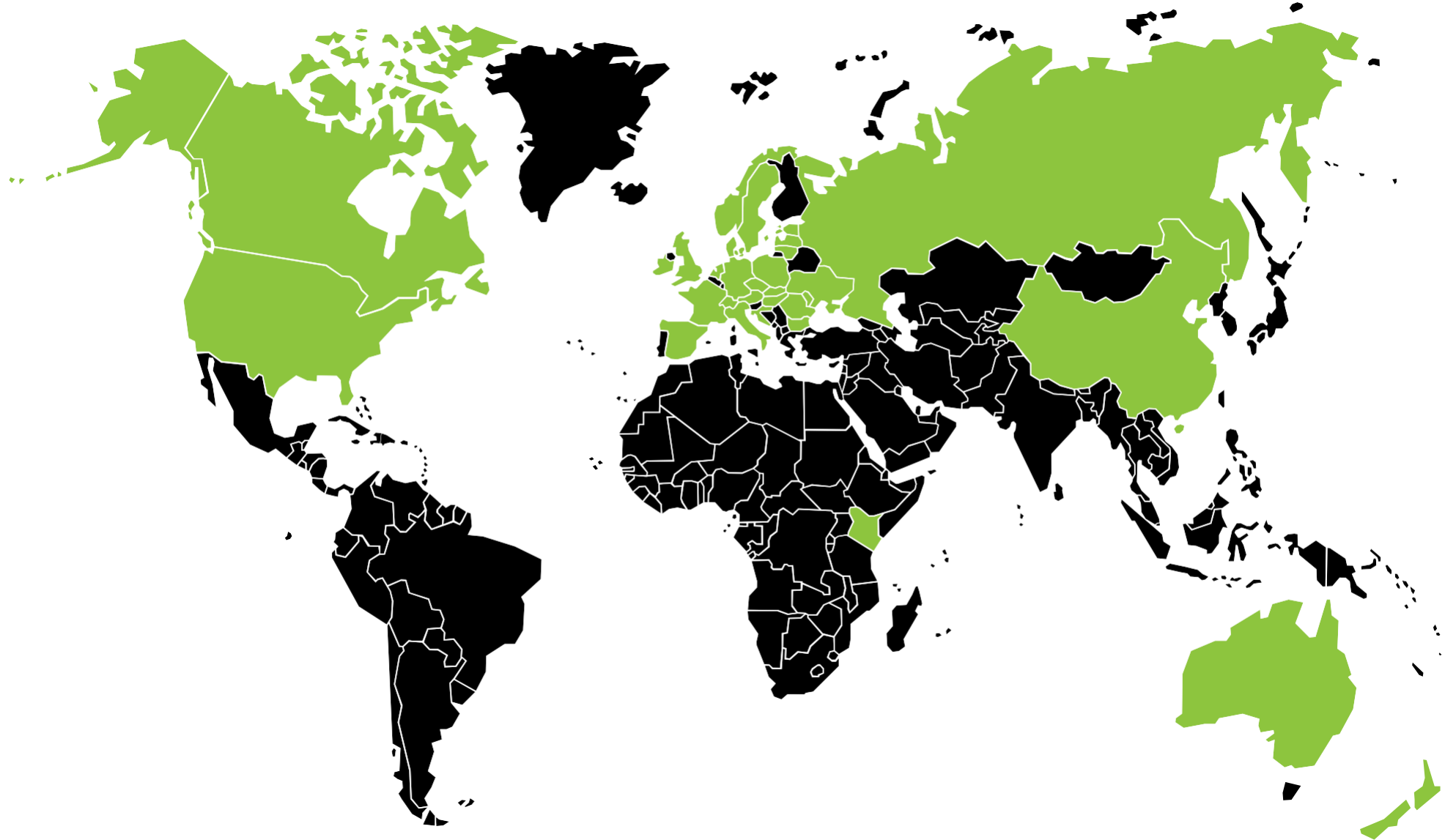
- The 26-acre site will adjoin our 800-acre research farm.
- Features 350,000sqft of manufacturing and assembly space, while retaining our existing 150,000sqft facilities.
- The site will incorporate field trials, demonstrating Precision Planting technology and exploring solar energy systems, agroforestry, strip-till, no-till, bi cropping and soil carbon monitoring.
- Kaizen already adopted, with planned full LEAN integration.



# Horizon Customers

**HORIZON**

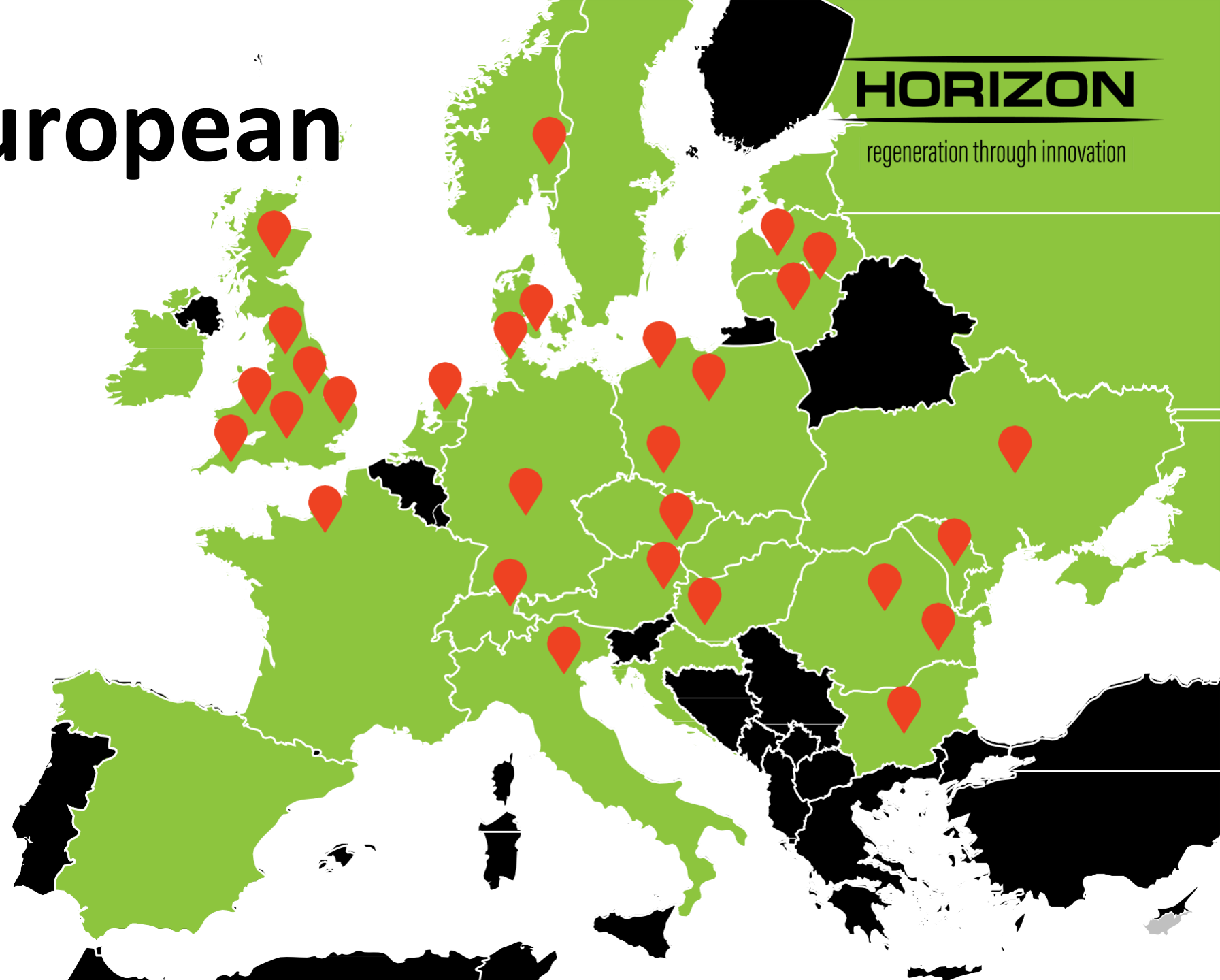
| regeneration through innovation |



# Map of European Dealers

**HORIZON**

regeneration through innovation



*Key competitors in Europe are John Deere, Horsch, Vaderstad, Amazone, Kverneland, Lemken & Kuhn & Bednar*

*All \$1bil+ turnover companies!!*

*How do we compete with them?*

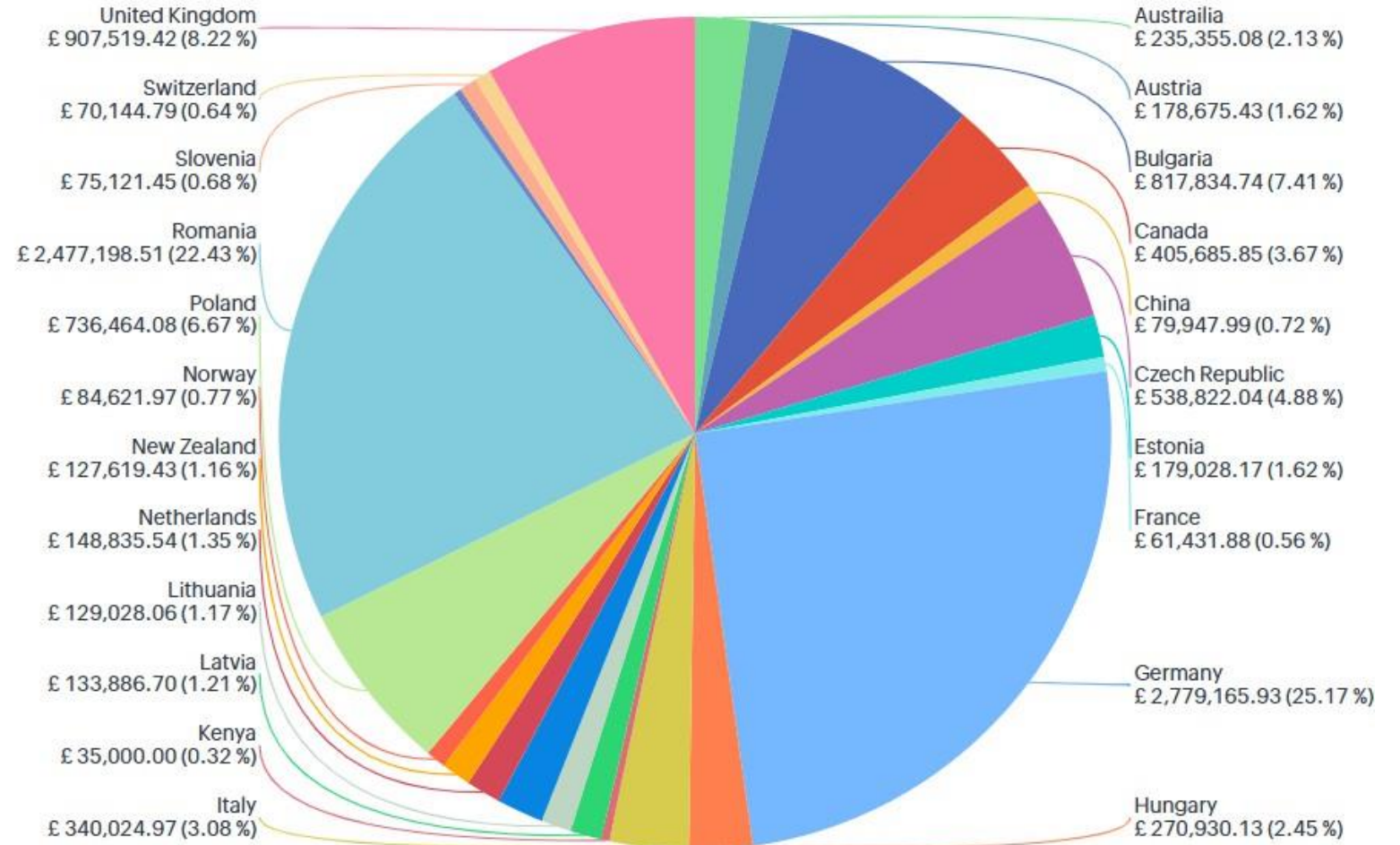
# Our Global Growth

**HORIZON**

| regeneration through innovation |

Orders By Country 2025

- We now have machines in 38 countries worldwide
- 2021 – 2025 EU focus
- 2026 North America & Australia



# Horizon North America



- 1 x 30ft DSX delivered to Colorado in 2024
- 1 x 30ft DSX delivered to Ontario in 2024
- Agris2000 appointed as our first North American Dealer covering Ontario

# 2025 DSX Lineup

**HORIZON**

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## DSX 3-4m

Trailed 3m and 4m rigid chassis.



## DSX 4-7.2m

Trailed 4m, 4.8m, 5m, 6m and 7.2m folding chassis.



## DSX 7.5-9m

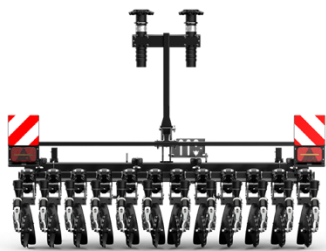
Trailed 7.5m, 8m and 9m folding chassis.

Our trailed DSX product lineup has expanded with our 7.5-9m and 3-4m trailed. The 7.5-9m machines wide working width is ideal for high output farmers, whilst also remaining within EU road legal dimensions which means it does not need an escort. The 3-4m trailed machine provides the performance and technology that the DSX is known for in a more compact package, ideal for smaller farms looking to adopt regenerative farming practices. **Requires 35hp per meter.**

# MDSX Lineup

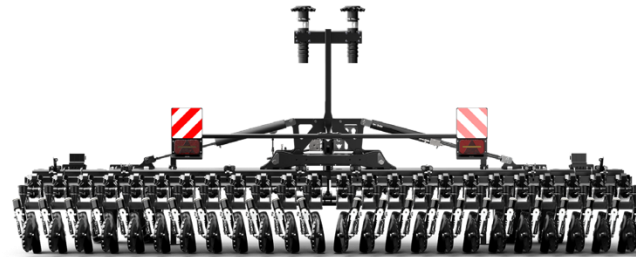
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## MDSX 3m

Mounted 3m rigid frame.



## MDSX 4-6m

Mounted 4m, 5m and 6m folding frame.



## MDSX 7.5-9m

Mounted 7.5m, 8m and 9m folding frame.

Our mounted MDSX product lineup was introduced during Agritechnica 2023. The MDSX features the same row unit as our DSX range but mounted onto a single toolbar, which in turn is then mounted directly to the rear of the tractor. Our FT2200 or a third-party front hopper combined with the MDSX creates a versatile and lightweight seeding configuration, particularly well suited to farms that require more agile vehicles, or for sowing winter wheat. **Requires 25hp per meter, 22cm or 25cm spacings available.**

# DSX Options

## HORIZON

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# DSX Options - Tanks

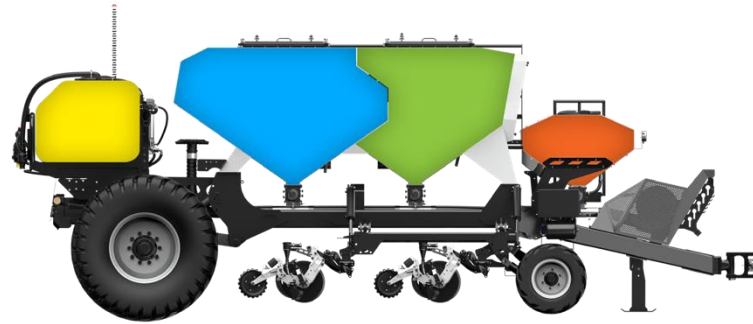
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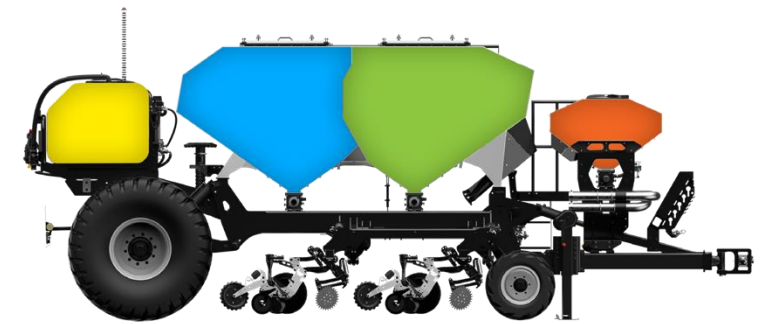
**DSX 3-4m\***

-  Optional 750 Litre Liquid Nutrition Tank
-  1700 Litre Main Hopper (40%)
-  Optional 250 Litre Third Hopper
-  2100 Litre Main Hopper (60%)







**DSX 4-7.2m**

-  Optional 1500 Litre Liquid Nutrition Tank
-  2820 Litre Main Hopper (60%)
-  1880 Litre Main Hopper (40%)
-  Optional 400 Litre Granular Hopper



**DSX 7.5-9m**

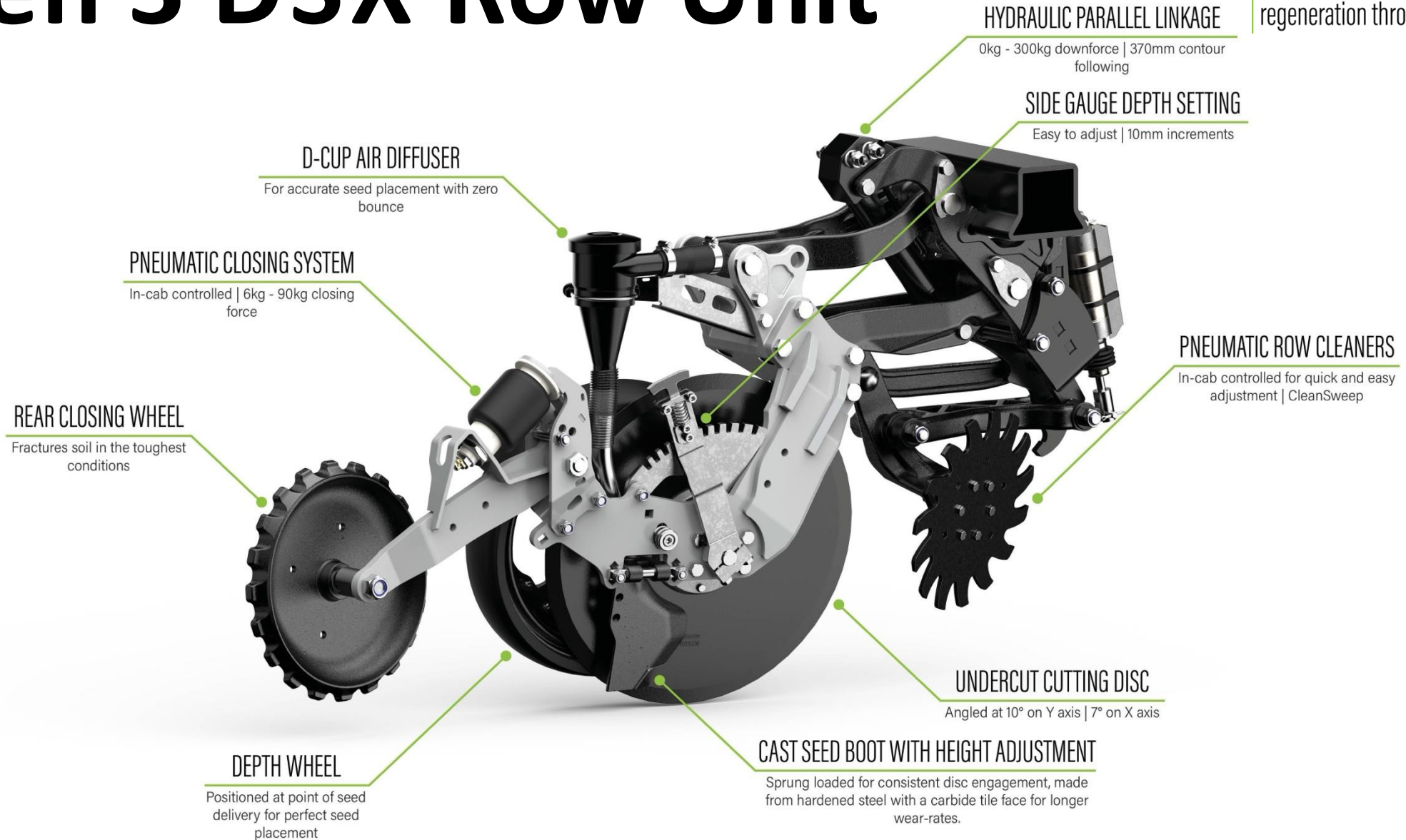
-  Optional 1500 Litre Liquid Nutrition Tank
-  2280 Litre Main Hopper (40%)
-  3420 Litre Main Hopper (60%)
-  Optional 400 Litre Granular Hopper

*\*Illustration shows 4050L total with 3 hoppers, two hopper configuration would be 1700:2300, total 4000L.*

# Gen 3 DSX Row Unit

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# FT2200

# HORIZON

| regeneration through innovation |



## RESSURIZED SPLIT HOPPER

3/40 split with 2 metering systems

## SOFT CLOSING LID

## PRODUCT LEVEL SENSORS

Two in each side of the hopper.

## ROAD AND WORKING LIGHTS

## FOLDING STEP

## METERING SYSTEM

All seed types, multi-rate, easy calibration

## HIGH CAPACITY PIPING

Capable of carrying a large volume of product

# Liquid Nutrition

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# Liquid Nutrition



**Tractor/Trailed Machine Tanks**



**Frame Mounted Tanks**

We offer a range of liquid nutrition options for our machinery, depending on the farmer's nutrition requirements. Our tanks come complete with electric or hydraulic pumps, pipework, flow indicators and are integrated into the machinery's control system.

As more growers move toward liquid fertiliser systems for efficiency, precision, and reduced handling, our integrated tanks are designed to be futureproof — adaptable to evolving application strategies and nutrient products. Whether you're applying starter fertiliser, biostimulants, or looking to trial foliar-style treatments at sowing, our liquid nutrition systems provide a reliable and flexible platform built for the future of crop nutrition.

# RotorFlex

RotorFlex is a modular peristaltic pump with regenerative farming in mind. The pump features a versatile design that is extremely accurate and can reliably meter a wide range of liquids, including viscous fluids with particulates, making it ideal for compost teas.

## Benefits of RotorFlex:

- ✓ Fluid only comes into contact with the hose.
- ✓ Easily access hoses by removing rotor assembly.
- ✓ Easy operation, simple and reliable design.
- ✓ No valves, seals or filters required.
- ✓ Accurate and repeatable flow rates, very easy to control and calibrate.
- ✓ Self priming and capable of 'running dry'.
- ✓ Capable of handling highly viscous fluids.

## Introducing RotorFlex Peristaltic Pump



**HORIZON**

IN PARTNERSHIP WITH  
**RENOVATION**

# Our Plans for North America



- Organic Growth with pioneer farmers
- Finding farmer agents or dealers
- Seeders in fields and crops in the ground
- Double bar 40-50ft DSX
- PP 20/20 Powered DSX with Seederforce & vSet singulation every 3<sup>rd</sup> row
- Potential Collaboration on 50ft+ toolbars
- Imperial numbers!

# Questions?

**HORIZON**

| regeneration through innovation |



**TOTAL FARM  
MARKETING**

BY STEWART-PETERSON

**AI and the Impact on your  
Farm**

Storm Hostetter  
Sales Director



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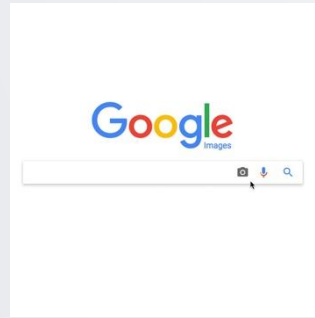
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- A legacy of trust
- Family of companies with a continuum of service offerings to fit producers' different needs.
  - **Stewart-Peterson Inc:** publishing company
  - **Stewart-Peterson Group Inc:** brokerage firm
- We want to get to know you, and your operation, so we can best partner to help you succeed

# Are you using AI?



# AI Today and its Impact

1. Productivity Improvements
2. Reduction in Loss
3. Sustainable Agriculture
4. Smarter Supply Chains
5. Language Model Applications
6. Predictive/Probability Analytics and Grain Marketing

**TFM360**

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# Past vs Present



If you don't have a  
competitive advantage,  
*don't compete.*

– Jack Welch

# Strategic Marketing: Rules-Based Model



„While technology is important,  
it's what we do with it that truly  
matters.“ —

Muhammad Yunus, Nobel Peace  
Prize laureate

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# What questions do you have?

**800.334.9779**

137 South Main Street, West Bend, WI 53095 | [www.TotalFarmMarketing.com](http://www.TotalFarmMarketing.com)



**New for 2026**

**AfterTill®**

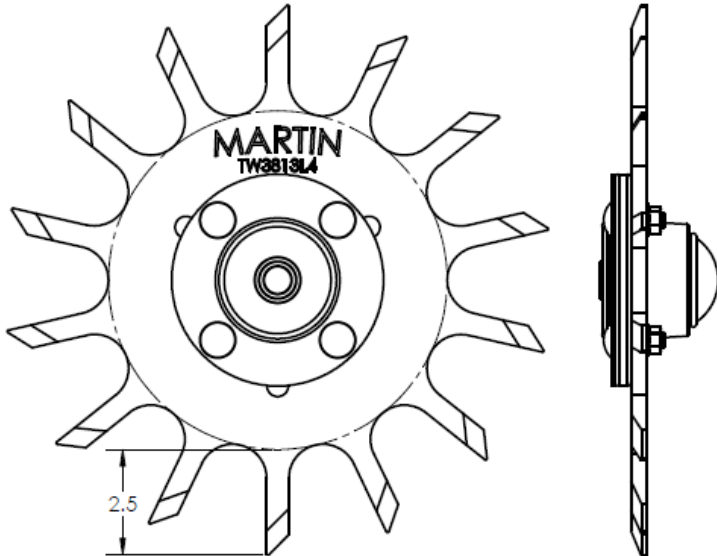


**Rydr™**





## Why did we redesign Spading Closing Wheels



### Original Spading Wheels:

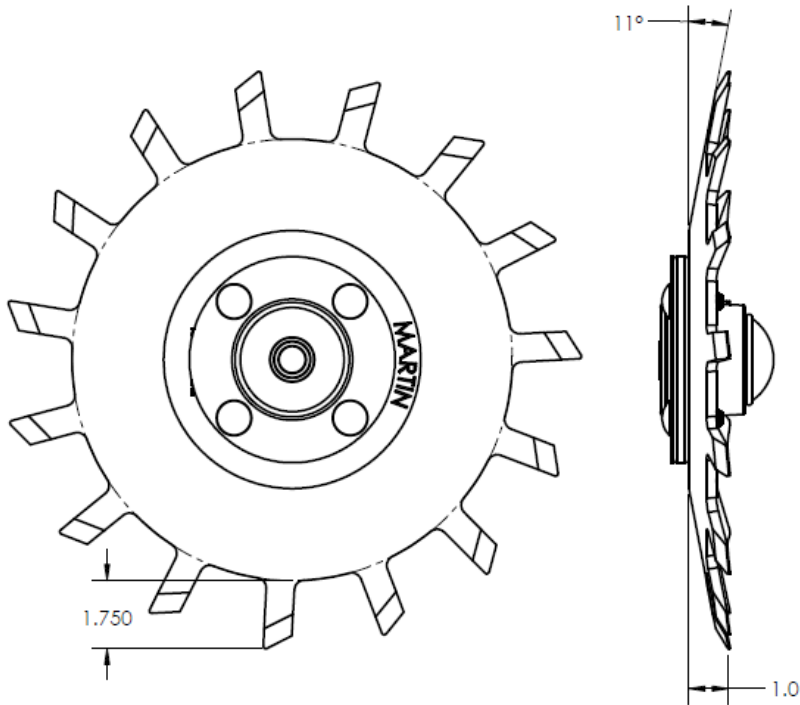
- Could run too deep in softer soils
- Some users saw seed movement in high-O.M. soils
- Flat blades lacked cupped squeezing action
- Could leave air pockets in certain conditions
- Smaller diameter caused unlevel closing wheel arm

### Cupped closing wheels w/o Spade bevel:

- Can squeeze the trench, but cannot fully break the sidewall (hatchet roots)
- Without a Spade bevel, they mainly compress from the top/sides, leaving the internal sidewall intact



## AfterTill Wheels



AfterTill® solves these issues with:

- Shorter, controlled-depth teeth to prevent over-penetration
- Precise tooth spacing for consistent internal fracture
- Cupped geometry that pulls the trench together and eliminates air pockets
- More vertical tooth orientation enabling true bottom-up sidewall breakup
- Flat inner circle that presses and stabilizes closure
- Larger diameter maintains level closing wheel arm



## Agronomic Benefits



- Best sidewall breakup across all soil and moisture conditions
- Trench closure that holds as soils dry
- More uniform emergence and stronger early vigor
- Performs in tilled soils when paired with a 2nd-stage closing wheel





## Ryder™



- Compact, frame-mounted row cleaner.
- Floats using Side Treader-style wheels.
- Dual airbags captured in ball bearings for smooth, non-binding float.
- Fits where Walker™ can't due to frame size.
- Hydraulic version coming soon.
- Coming soon: JD frame-mounted opener mount.

