Radically Improving Dry Nutrient Application

Craig Fenstermaker
The 4Rs promote best management practices (BMPs) to achieve cropping system goals while minimizing field nutrient loss and maximizing crop uptake.

**4R Principles of Nutrient Stewardship**

- **RIGHT SOURCE** Matches fertilizer type to crop needs.
- **RIGHT RATE** Matches amount of fertilizer to crop needs.
- **RIGHT TIME** Makes nutrients available when crops need them.
- **RIGHT PLACE** Keeps nutrients where crops can use them.
Right Source

Years of Testing • Enhanced Quality

ESN
SmartNitrogen

Koch
Koch Agronomic Services, LLC

Honeywell

Mosaic

HELENA

SUL4R-PLUS
A Charah Agricultural Product

Greater Broadcast • Increased Productivity

Tiger-SUL

New Leader
Right Time

Spring  Pre Plant Fertilizer and Ag Lime

In Season  Nitrogen and top dress nutrients

Fall  Post Harvest Fertilizer and Ag Lime
Right Place
Right Rate
G5 Customer Value

Precision Application

Ease of Use

Ease of Maintenance
Precision Application
G5 Swath Width Control
G5 Swath Width Control

Shift Right
Spread Left

Shift Left
Spread Right
Spinner Assembly Shifted Left
Spinner Assembly Shifted Right
Spinner Fore/Aft Movement
Spinner Fore/Aft Movement
G5 Last Pass Control
G5 Remote Spreading
Field Boundary Spreading
Precision Application Tools
Spread Pattern Test Kit

Includes:

• Catch pans with grates
• Funnel & vials
• Density scale
• Rope & flags
• Instructional manual
SGN & Crush Strength Kit
PN# 308907
New Leader User Interface
Gen4

Versa

Pro700

Viper4

Aux Input Module - Switch Control

Spinner Spreader WSM

Spinner Spreader WS Modules

Body Module

G5 Swath Module

ISOBus CAN

Proprietary CAN
Profile

Potash Map vrt

lb/ac  Crush  Strength:  SGN:
100 - 490  5  336
100 - 490  5  31

Spinner Speed:  700 rpm
Application Speed:  15.0 mph
Spread Width:  80.0 ft

Active
Calibration Storage  4/25
Advanced Hydraulics
Hydraulic Sensors
Precision Application

- 16-section swath width control
- 1/2 width and remote spreading
- Boundary spreading
- Automatic feedgate and fan frame control
- Precise independent spinner control and monitoring
- Up to 4 products

Ease of Use

- New Leader user interface
- System sensors
- Product output sensors
- Feed gate optimizer
- Diagnostic feedback
- Complete controller package installed
- Automatic feedgate and fan frame control

Ease of Maintenance

- Centralized lubrication
- Manufactured to reduce adjustments needed
- Automatic chain tensioner
- 304 stainless steel cross tubes, mounts, and take-up brackets
- Automatic chain oiling
- Oil level sensors

“To radically improve the way dry nutrients are applied.”
THANK YOU

Exhibit Booth
Pegram Room - Booth 5