

CONNECTED TO THE FIELD

# VISUM SEEDER RF





# Proven wireless technology

**Industry Leading Seed/Fertilizer Sensing  
Attaches to outside of hose  
Displays flow variation and blockage**

- Monitor up to 3 products (air streams) 120 rows per product
- Resistant to dust, dirt, water and corrosion
- 4000 WORKING Hour Battery Life (field replaceable)
- Connects to the ISO Network and displays on existing VT
- No wires or tubes
- No restriction to product flow
- Attach sensor to the outside of hose - DONE!  
**No cutting, No drilling, No cables, No Zip Ties**



# Visum Seeder RF Flow Monitoring System for every row

Real Time Wireless Seed Row Information System

Monitoring Every Row - All The Time

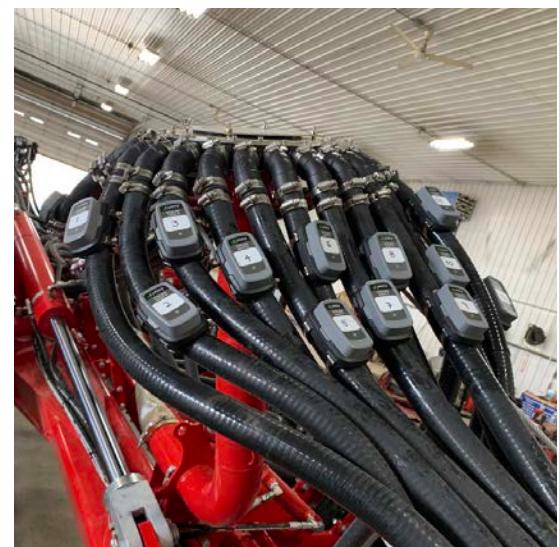
Installs on outside of hose

Notification of drop in overall product flow

Tank lid not latched

Product is bridged up in tank

- Notification of any flow change
- Variation from manifold, or individual row
- Monitor up to 3 products (air streams)
- Up to 120 runs per product
- Unaffected by issues that plague other systems
  - Not affected by static
  - Not affected by dust
  - Not affected by seed treatments
  - Does not go inside the hose - no restriction
  - No Wires
  - No Tubes
  - No Modules
- The majority of troubleshooting relates to cables and connections - no cables or connections with the Visum System



# Visum Seeder RF Zone Flow Monitor System



Install a Visum Seeder RF wireless sensor in each tower for Zone Blockage monitoring

Monitor manifold distribution and see if any variation of an entire manifold being plugged.

Plugged runs and manifolds will show up when the seeded area emerges.

Stop these skips and distribution variations with the Visum Seeder RF System

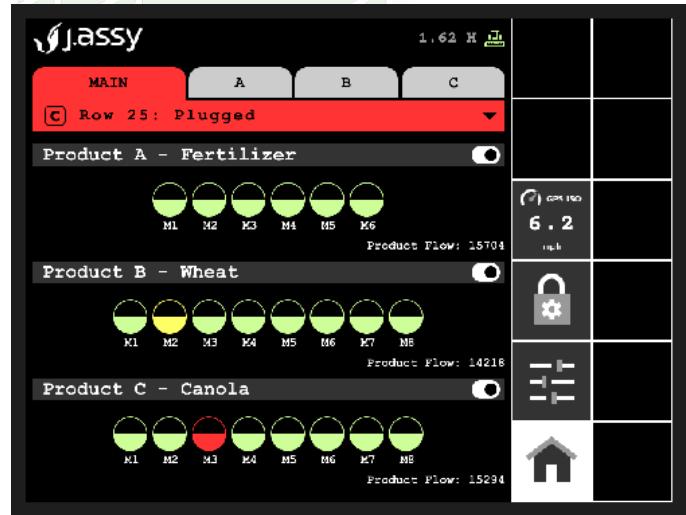


Eliminate unseeded areas due to a plugged manifold when using Zone Blockage monitoring.

Eliminate skips - identify any plugged run when monitoring every row.



# Visum Seeder RF Operation



## Home Visum Seeder RF screen on VT

### 3 Air Streams (products) displayed

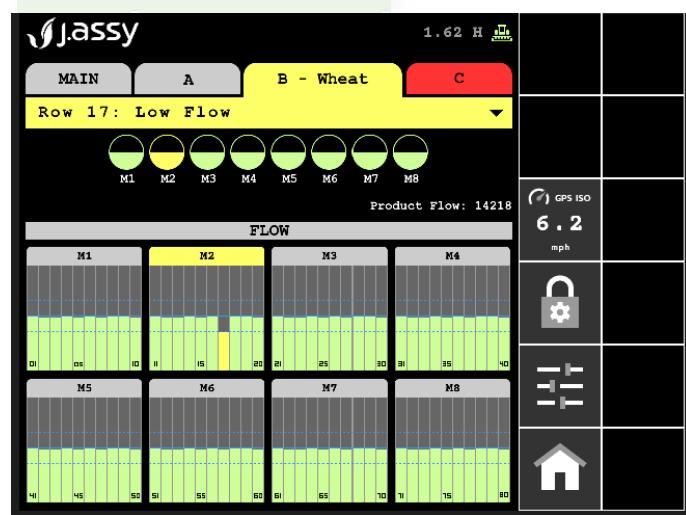
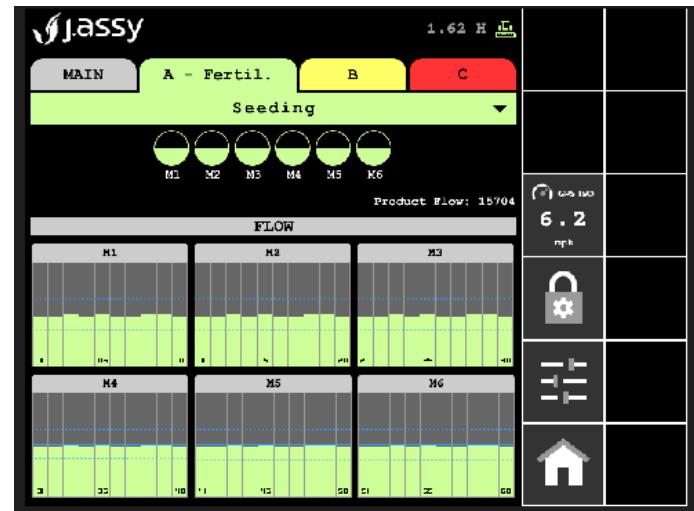
#### Overview of manifolds and row performance

- Product A shows proper distribution
- Product B shows that distribution is acceptable, but a variation on Manifold #2
- Product C shows Manifold #3 has runs with flow outside of acceptable thresholds

## Details Screen for Product A

#### Overview of manifolds and row performance

- Product A shows proper distribution
- Each row is within the threshold settings

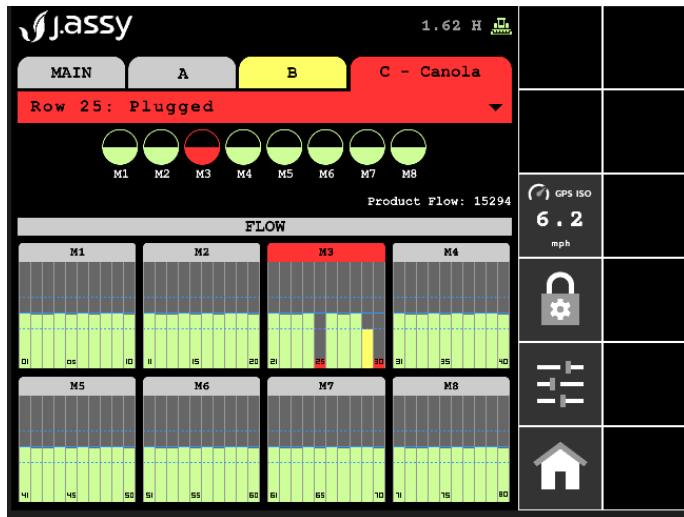


## Details Screen for Product B

#### Overview of manifolds and row performance

- Product B shows flow issue on row 17
- Row 17 has seed flow, but is below the lower threshold set

# Visum Seeder RF Operation



## Product Flow Number Displayed

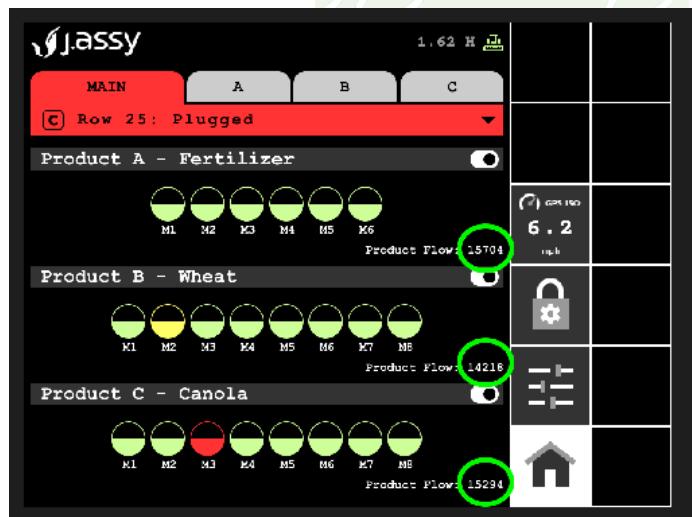
### Each product has a product flow value when operating

- Product flow is an arbitrary number based on the product flow
- Flow to each row may be occurring, but there may have been a drop in overall flow
  - Tank lid was not latched
  - Product has bridged inside tank
  - Tank empty

## Details Screen for Product C

### Overview of manifolds and row performance

- Product C shows blockage issue on rows 25 and 30
- Row 29 has seed flow, but is below the lower threshold set



# Specifications.



- ISO ECU Supply voltage: 10Vdc to 30Vdc
- Monitor Omni-directional antenna, 5dBi, 50 Ohms
- ISO ECU Resistant to dust and water splash.
- 2.4GHz radio frequency communication
- External antenna on the Visum ISO ECU
- Internal antenna on the Visum Sensors
- Sensor - Resistant to dust and water jet.
- Outer diameter of the hose: from 1" OD to 4" OD.
- 2-Year Warranty



# Seeder RF System Configurator

Air Drill/Seeder

Make \_\_\_\_\_

Model \_\_\_\_\_

Air System/Metering

Make \_\_\_\_\_

Model \_\_\_\_\_

Number of air streams

\_\_\_\_\_

Airstream 1

AirStream 2

AirStream 3

# of manifolds

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# of Rows

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Row Spacing

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Hose Size (ID)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ISO Product Rate Control

Make \_\_\_\_\_

Model \_\_\_\_\_

Section Control

Yes \_\_\_\_\_

No \_\_\_\_\_

ISO Port on tractor used?

Yes \_\_\_\_\_

No \_\_\_\_\_

In-cab ISO display

Make \_\_\_\_\_

Model \_\_\_\_\_

## 2025 System Pricing:

Part Number	Description	List Price
1040055	Visum Seeder RF ISO ECU Kit  Includes ECU with magnetic mount, Remote antenna with magnetic mount, Harness to connect onto the ISO network via 6-pin Delphi connector. (Adapter and/or ISOBUS cable required)	\$
1030109	Visum Seeder RF Sensor (specify clamp size)	\$
1050333	Lift/Work Switch Kit	\$
5110004	#24 Stainless Steel Hose Clamp (1" ID Hose)	\$
5110006	#28 Stainless Steel Hose Clamp (1 1/4" ID hose)	\$
5110010	#32 Stainless Steel Hose Clamp ( 1 1/2" ID Hose)	\$
5110007	#40 Stainless Steel Hose Clamp (2" ID Hose)	\$
5110008	#48 Stainless Steel Hose Clamp (2 1/2" ID Hose)	\$
5110003	#52 Stainless Steel Hose Clamp (3" ID Hose)	\$
5110002	#60 Stainless Steel Hose Clamp (3 1/2" ID Hose)	\$



Pricing effective January 1, 2025

Prices subject to change without notice

## 2025 System Pricing:

### ISO Cables and Adapters

Part Number	Description	List Price
1050520	ISO CAN/Power adapter cable - AgLeader Harness to connect onto the ISO network via 6-pin Delphi connector. AgLeader RCM	\$
1050521	ISO CAN/Power adapter cable - Deere/Raven Harness to connect onto ISO network via 12-pin connector Deere RCM / Raven RCM	\$
1050522	ISO CAN/Power adapter cable - Dickey-john Harness to connect onto ISO network via 4-pin connector Dickey-john RCM	\$
1050550	IBIC ISO Y-Cable kit - 9-pin Connects to ISO Tractor port when existing ISO cable is connected to tractor port with no place to connect adapter cable ( <b>Required for Horsch Avatar Drills</b> )	\$
1050235	IBIC ISOBUS cable kit - 16'	\$
1050240	IBIC ISOBUS cable kit - 36'	\$
1050241	IBIC ISOBUS cable kit - 55'	\$

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#### Visum Wireless Blockage Monitors

For Fertilizer  
For Seed  
StripTill Applicators  
Air Seeders

#### Visum Wireless Seeder RF

Relative Flow Monitor  
For Seed  
For Fertilizer  
For Combination Seed & Fertilizer

#### Visum AirFlow Wireless Blockage Monitors

For Air Boom Fertilizer Applicators



#### Selenium Planter Meter Assemblies

Ground Driven or Electric Drive  
Quick change crop kits

#### Apollo Crop Kits for vSet2 meters

**Ag technology innovation connected to the field**

**"Create the best products in the market that can be considered as real artworks by farmers."**