



ENDEAVOR

“Endeavor Fertilizer Controller”

**Electric Pump
Fertilizer System
with PWM Control
For:**

- » **Ag Leader - Insight/Integra**
- » **Case - Pro 600/700**
- » **John Deere GS2/GS3**
- » **Raven - 440/450**
- » **Trimble - EZ Boom & Field IQ**



ENDEAVOR

Liquid Planter Products

The ENDEAVOR fertilizer controller automatically controls 12 volt pumps applying liquid fertilizer and other at plant in furrow treatments. It's capable of controlling up to 10 sections and can be used with any swath control system to automatically shut on/off sections. The ENDEAVOR can be controlled by many existing third party controllers such as John Deere GS2/GS3, Ag Leader Integra/Insight, Trimble EZ Boom/Field IQ, Case Pro600/700, and Raven 440/450. Microtrak 3, 5, and 7 section consoles will control the ENDEAVOR when third party controllers are not being used.

The ENDEAVOR comes pre-assembled, plumbed, and wired on a slim profile mounting stand for simple installation. Wilger flow indicators with mounting stand included allows you to monitor flow to each row while low pressure diaphragm check valves keep all fertilizer lines fully charged. The ENDEAVOR can be configured with multiple size pumps to fit grower's demands. Application rates from 1 to 8 gallons per acre are achievable. The ENDEAVOR comes with a 1 year warranty on all components, and KZ section valves will be warranted for 2 years.



Owensboro, KY
270.684.4202

Russellville, KY
270.725.8948

Greensburg, IN
812.222.1220

Mt. Vernon, IL
618.847.0283

Starter Fertilizer Made Easy

TOTALLY
TUBULAR

Application In Front of
and Below the Seed

Put an end to plugging, poor seed spacing and damaged parts



JOHN DEERE
Solutions

| Part# | Planter Model# |
|--------|---------------------|
| TT-006 | JD "XP" Series |
| TT-002 | JD 1700, 7200, 7300 |
| TT-001 | JD 7000, 7100 |



KINZE
Solutions

| Part# | Planter Model# |
|--------|-------------------|
| TT-301 | Kinze 3000 Series |
| TT-001 | Kinze 2000 Series |



CASE
Solutions

| Part# | Planter Model# |
|--------|-------------------|
| TT-100 | All CASE Planters |

Does Not Apply Below Seed

KEETON[®] SEED FIRMER



**Universal Seed
Firmer**
126008

Kinze Seed Firmer
126009

Liquid Planter Products

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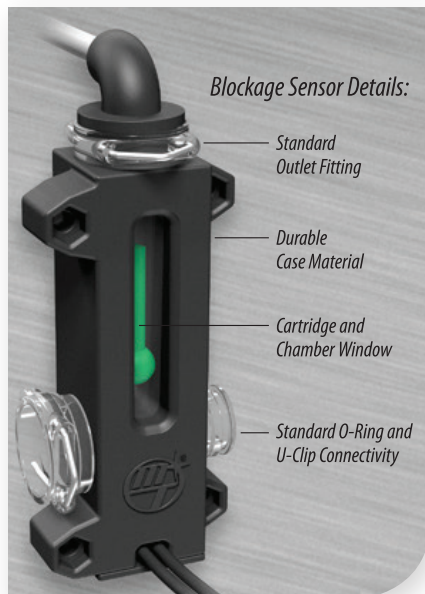


195

SafeGuard™ – Simple, Powerful, Trusted Protection



Liquid Planter Products



SafeGuard™ – Your Trusted Partner

With SafeGuard's in-cab audible alarm and visual display, you'll instantly hear and see what you've been missing. SafeGuard's around-the-clock protection continuously monitors your application. SafeGuard™ instantly informs you of liquid blockages and pinpoints their location, arming you with the knowledge and power to fix them immediately to stop yield reduction and profit loss dead in their tracks. Take back control of your application and put more dollars in your pocket.

Installation Flexibility & Saving Opportunities

No limitations in mounting configurations. Mount the sensors to suit your needs since the rows are being monitored without the need to see them. Gang sensors together, mount them individually over the row, or any combination of both. Sensors are compatible with most other visual flow monitor components. Over-the-row installations clean up plumbing and eliminate excessive hose lengths.



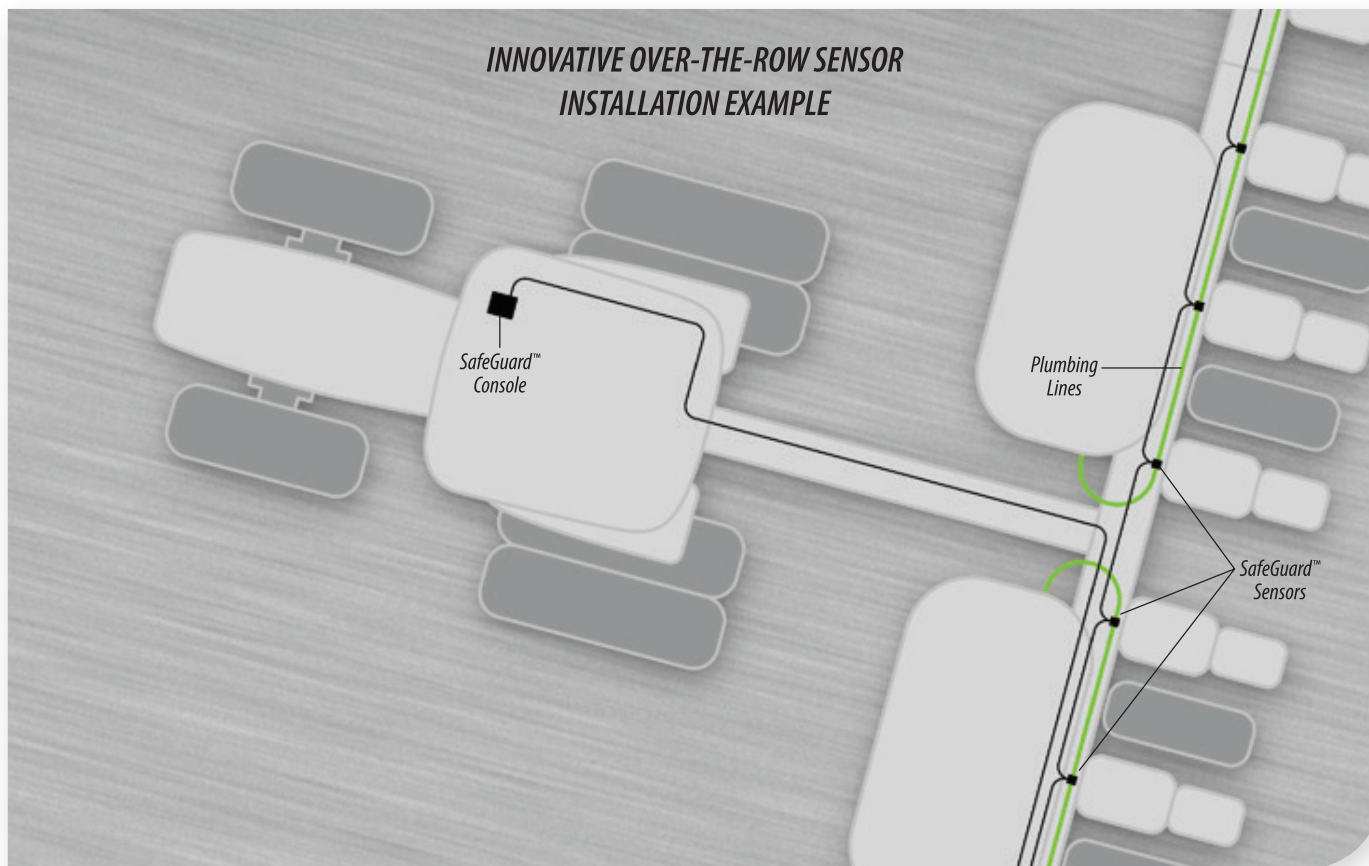
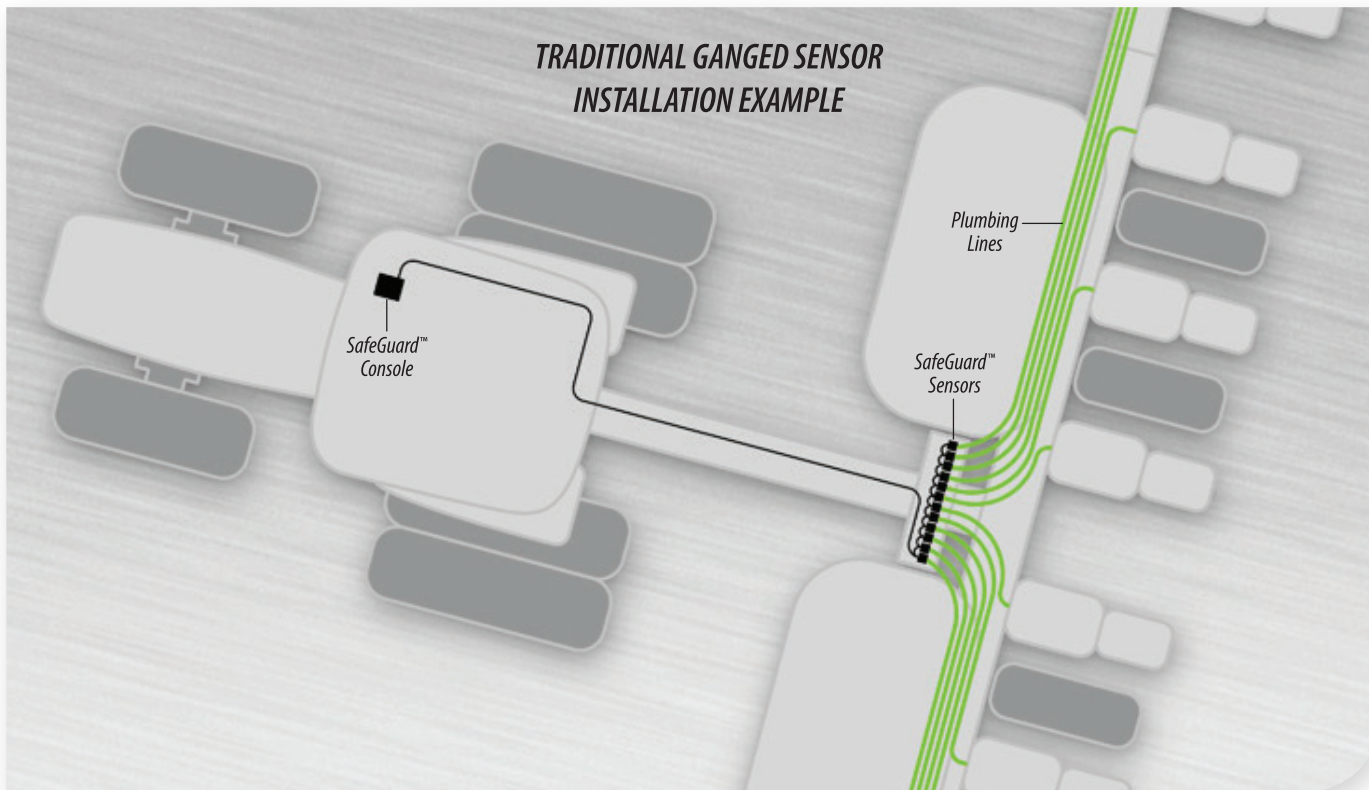


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197



Liquid Blockage Monitor for ISOBUS



System

The SafeGuard ISOmod uses an existing virtual terminal (VT) in the cab to display liquid blockage information and control settings. On-screen messages and simple icon buttons on the virtual terminal access all monitoring functions. View real-time status of individual and total sensors arranged into dual networks and independent left and right sensor banks. Data communication is based on ISOBUS- ISO 11783 standards.

ISOMOD Interface

This is the information processing unit of the SafeGuard ISOmod system - continuously scanning rows for blockages and displaying information on the Virtual Terminal screen. It provides the physical interface between the liquid blockage sensors and the Virtual Terminal. The wiring harness of the ISOmod connects to the sensors and an available ISOBUS connection.

Sensor & Cartridges

The sensor assembly is a liquid flow chamber surrounded by a blockage detection shroud. Its physical characteristics are similar to visual flow monitor devices. The flow openings accommodate plug (male) and cap (female) fittings. The sensors may be mated with other sensor assemblies or used individually. The chamber contains a detection cartridge which rises with flow. A fumigant-ready version of the sensor is also available. Cartridges are available in a variety of weights to accommodate a wide variety of liquid densities, and also to provide partial blockage monitoring.



ISOmod™ Interface



Sensor

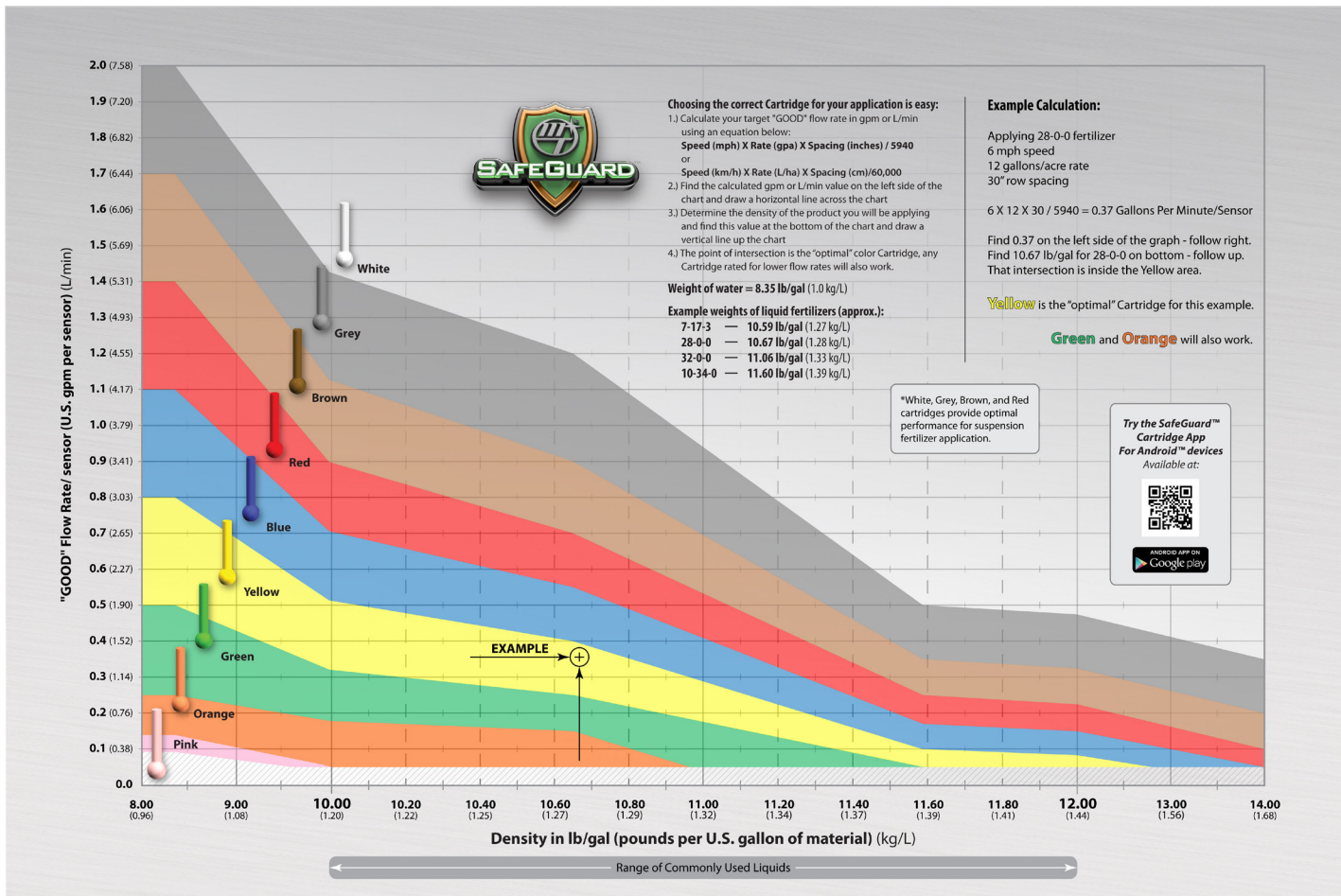


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SafeGuard ISOBUS Cabling

Micro-Trak Tap Cables

- M/P (Generic) - P/N 18894
- Ampseal 16 (John Deere) - P/N 18895
- Delphi MP630 (Great Plains/Dickey-John) - P/N 18896
- Delphi GT280 (Case) - P/N 18897
- Deutsch DTM (in-cab) Kit - P/N 18944 (includes power cable)
- Deutsch DT (in-cab) Kit - P/N 18945 (includes power cable)
- Deutsch DT (in-cab) Kit - P/N 18950 (includes power adapter)
- Micro-Trak IBIC Cable** (for direct connection) - P/N 18921

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199

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