

# VALOTERRA

The new benchmark in precision planting



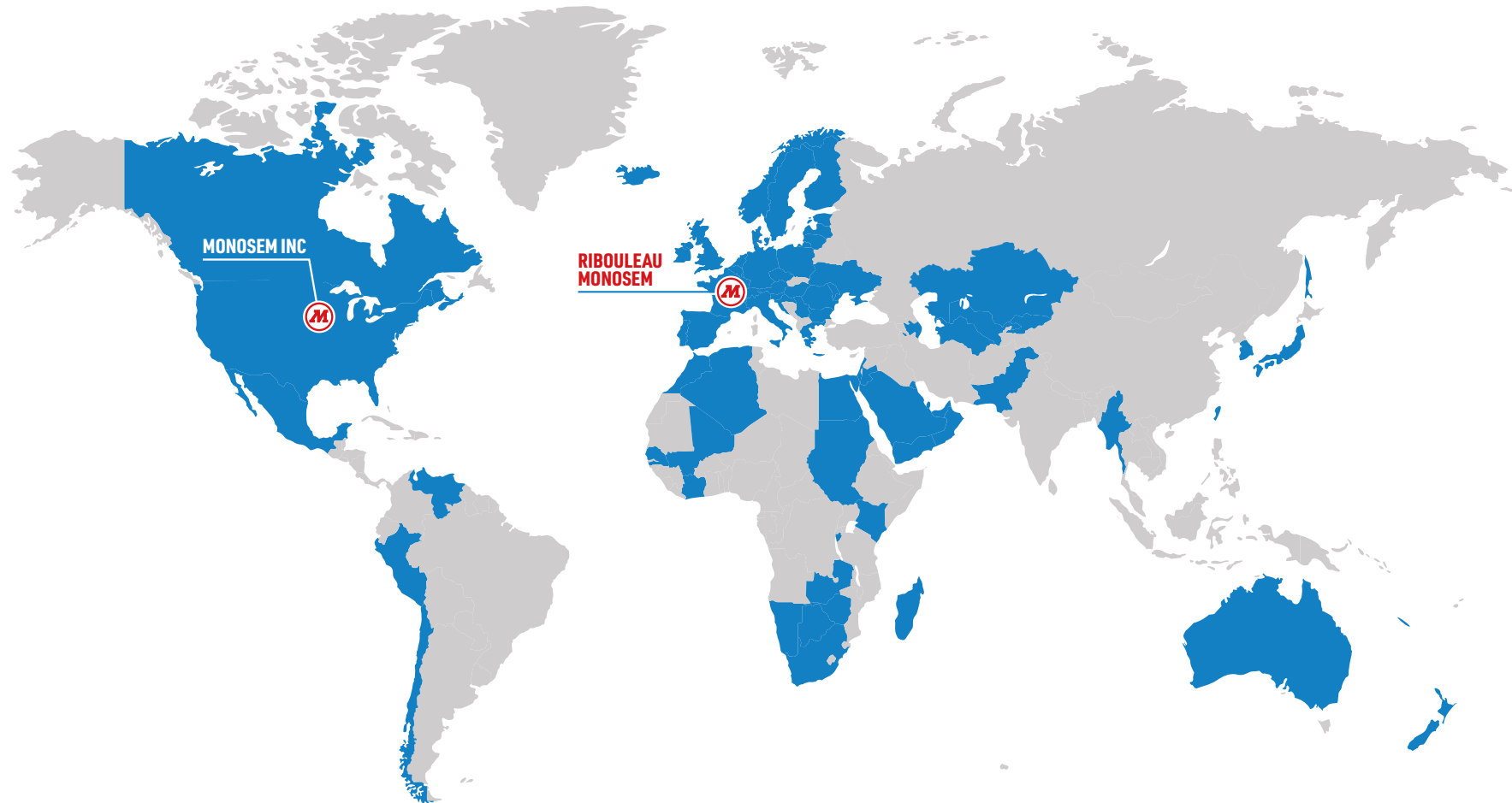
## MONOSEM FOUNDING PRINCIPLES

Seed planting is an investment and a crucial step in ensuring crops reach their full potential. Many farmers in over **80 countries** worldwide have chosen to rely on **Monosem** technology.

**We can now boast over 75 years of shared history.**

Today, this relationship built on reliability, durability and agronomic performance has been strengthened by technological innovations. From planters to cultivators, intelligence is at the heart of all **Monosem** equipment.

**Our goals rest on three pillars:** innovation for agriculture, top-quality performance and intelligence-driven sustainability.





Enhanced precision




## EMERGENCE AND PRODUCTIVITY DRIVING PROFITABILITY

The **ValoTerra** planter's new 100% electric architecture, unique seed metering box and planting accuracy and uniformity guarantees improved emergence and productivity.



**Emergence and Productivity driving profitability** 

Smart solutions promoting sustainability 

Technology enhancing ease of use and operating pleasure 

ValoTerra Ultimate optimal emergence at all speeds 

## ACCURACY FROM START TO FINISH

01

56V architecture

02

ValoTerra seed metering

03

Metering unit

04

Planting



## A NEW 56V ARCHITECTURE

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We opted for a **56V** system to unleash the performance potential of the **ValoTerra** planter.

The **56V architecture** means you can add more motors thanks to a generator capable of supplying almost **5.6kW** of power.

This capacity is a gateway towards **ultra-precision agriculture**.

The new 56V system paves the way for smart planting.

It optimises seed density and the dosing of other inputs, along with their distribution, based on the characteristics of your fields.



# VALOTERRA SEED METERING

The seed metering box is the planter's core component.

We have ensured it is precise and versatile, to meet the agronomic performance and crop diversification needs of the future.

The **ValoTerra's** metering box introduces a new benchmark for precision planters.

Beyond offering improved performance, it has been specifically designed to be easy to use, versatile and robust.

Its electric motor and ergonomic design offer a great combination of leak-tightness and vacuum, providing utmost precision at high speed.



## EASY TO USE

- + Changing the seed discs is a breeze when you need to switch from one seed variety to another
- + Changing crops takes less than a minute per row
- + Seed flow can be cut off to give access to the metering box even when the hopper is full
- + Easy to empty



## VERSATILE

- + Pneumatic metering and smooth discs ensure perfect distribution for a maximum range of seeds and crops
- + Optimised suction for wider working ranges
- + Patented system for reducing the torque required to drive the disc independently of the vacuum level

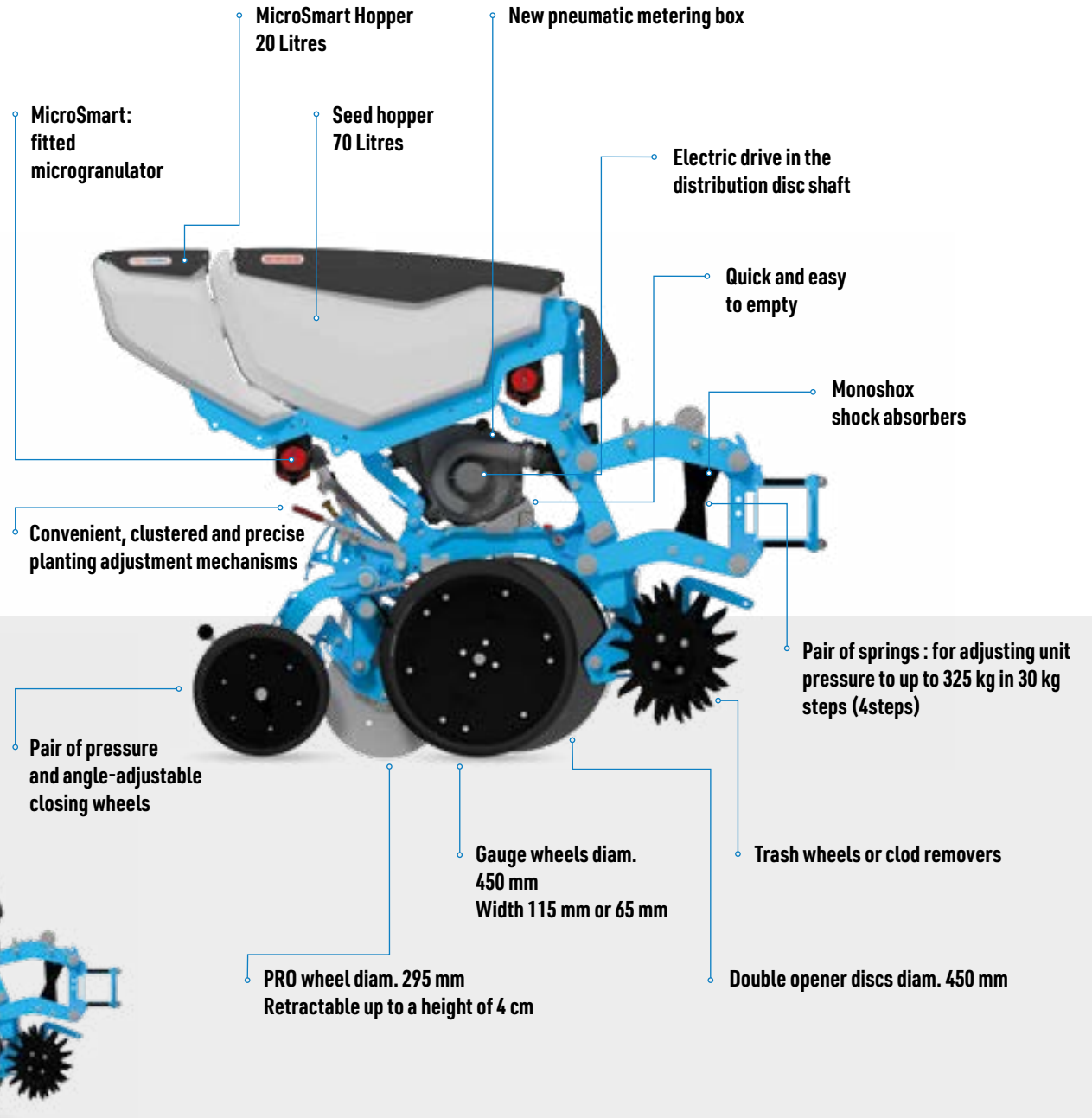


# SEED METERING UNIT

Several years of research and exchanges with farming professionals have enabled us to design a seed metering unit that is unbelievably well thought out.

From the metering box to machine maintenance, calibration and settings, everything has been optimised with the unique goal of saving you time.

Now, with the **ValoTerra** planter, you save time in and off the field.



## Smart Acces : A unique lifting hopper system!

*Routine planter maintenance and servicing are essential for keeping the planter in perfect working order and guaranteeing its durability.*

*Our team of specialists have therefore developed a patented lifting hopper system for easy maintenance at a convenient height.*

*Adjustments are now easier to make and maintenance can be carried out safely and efficiently.*





# PLANTING

With the **ValoTerra** metering unit, we have set a new benchmark in accurate and uniform planting.

We have taken the key features contributing to the success of **Monoshox** metering units and improved them!

From increased penetration force and stability in all situations, to precision settings that closely match agronomic requirements, no effort is spared in unlocking the potential of your crops.



**Scan here to see the ValoTerra planter in action!**

## UNFAILING STABILITY

- + Up to 325 kg of pressure on the double opener discs, with suspension ensuring a constant planting depth
- + Efficient penetration with no mud spatter thanks to the largest furrow opener discs (diam. 450 mm) on the market
- + Reduced angle of attack to minimise seed bed disturbance
- + Gauge wheels with a diameter of 450 mm ensure excellent metering unit stability



## PRECISE PLACEMENT OF EACH SEED

- + 19 available depth settings
- + V-shaped furrow for accurate seed positioning
- + Individually adjustable suspended Pro wheel, with high-clearance retraction (4 cm)
- + Closing wheel unit with a wide range of wheel pressure and angle settings

## QUICK AND EASY TOOL-FREE ADJUSTMENTS

- + Clustered controls to adjust planter settings in next to no time
- + A novel system for adjusting trash wheel height
- + A handy lever to remove the tip located between the double opener discs easily





## SMART SOLUTIONS PROMOTING SUSTAINABILITY

With **MicroSmart** and **FertiSmart**, **Monosem** is breaking new ground in seed protection and nutrition.

These new solutions combined with our existing **Isobus** features offer unrivalled accuracy and environmental protection.





## LOOK AFTER YOUR CROPS WITH MONOSEM'S SMART SOLUTIONS

- 01 MicroSmart
- 02 FertiSmart
- 03 TC-GEO
- 04 TC-SC

Emergence and Productivity driving profitability 

Smart solutions promoting sustainability 

Technology enhancing ease of use and operating pleasure 

ValoTerra Ultimate optimal emergence at all speeds 

# MicroSmart

## A MONOSEM INNOVATION TO FAVORIZE YOUR PLANTING

Farms are under increasing pressure from pests. In addition, phytosanitary products are gradually disappearing from the market and those still authorized are subject to strict requirements in terms of quantity and application methods.

In this context, the new **MicroSmart** microgranulator offers an innovative solution for localized distribution of the right amount of microgranules.

### **The right dose, at the right time and in the right place.**

As some crops are particularly fragile from the time it is sowed until it reaches the 3-4 leaf stage, this period should be as short as possible to limit the risk of yield loss.

**MicroSmart** is the solution for simultaneous distribution of microgranules and microfertilizers to protect and stimulate crop growth.



## GOING BEYOND THE LIMITS OF EXISTING SOLUTIONS

Existing solutions have significant technical limitations in terms of optimizing crop protection and supplying nutrients of the microgranules:

- Distribution with localization on only 1 line, or exceptionally 2 lines
- Section control is not possible
- Limited technical functionality with rotations of 15 to 90 revs per minute, which has an adverse impact on the precision of the microgranular distribution
- In some cases, an additional pass over the ground is also required to apply, for example, herbicides with a less precise spreader

## UNPARALLELED AVANTAGES FOR USERS

**MicroSmart** ensures precise row-by-row application, with the multi localization system for two types of microgranules.

Each supply line is supported by the **Monosem Smart Motor (MSM)**, which delivers the input from the hopper dedicated to each seeding unit.



### PRECISE APPLICATION

A new design offering accurate flow rates from 2 to 35 kg/ha for the most common flow ranges, products and row spacings. Suitable for both microgranules for seedling growth and products for pest control.



### GPS CONTROL

Row by row management by Section Control digital solutions to avoid overlapping and to optimize the quantity of inputs in a specific area.



### LINEAR DISTRIBUTION

Best supply linearity as well as a wide operating range from 3 to 170 revs per minute.



### REDUCED ENVIRONMENTAL IMPACT

A multi localization system that meets the industry application recommendations and maximizes product efficiency while minimizing environmental impact.  
Reduced number of passes over the ground by dispensing 2 products simultaneously.



### SIMPLICITY AND COMFORT

Maximum compatibility with all major microgranules.  
Optimized ergonomics.



## THE ARCHITECTURE OF MICROSMART INNOVATION

The key element of the **MicroSmart** system is the **MSM** (Monosem Smart Motor).

It is responsible for both the row-by-row metering of the microgranules and the control of the sections.

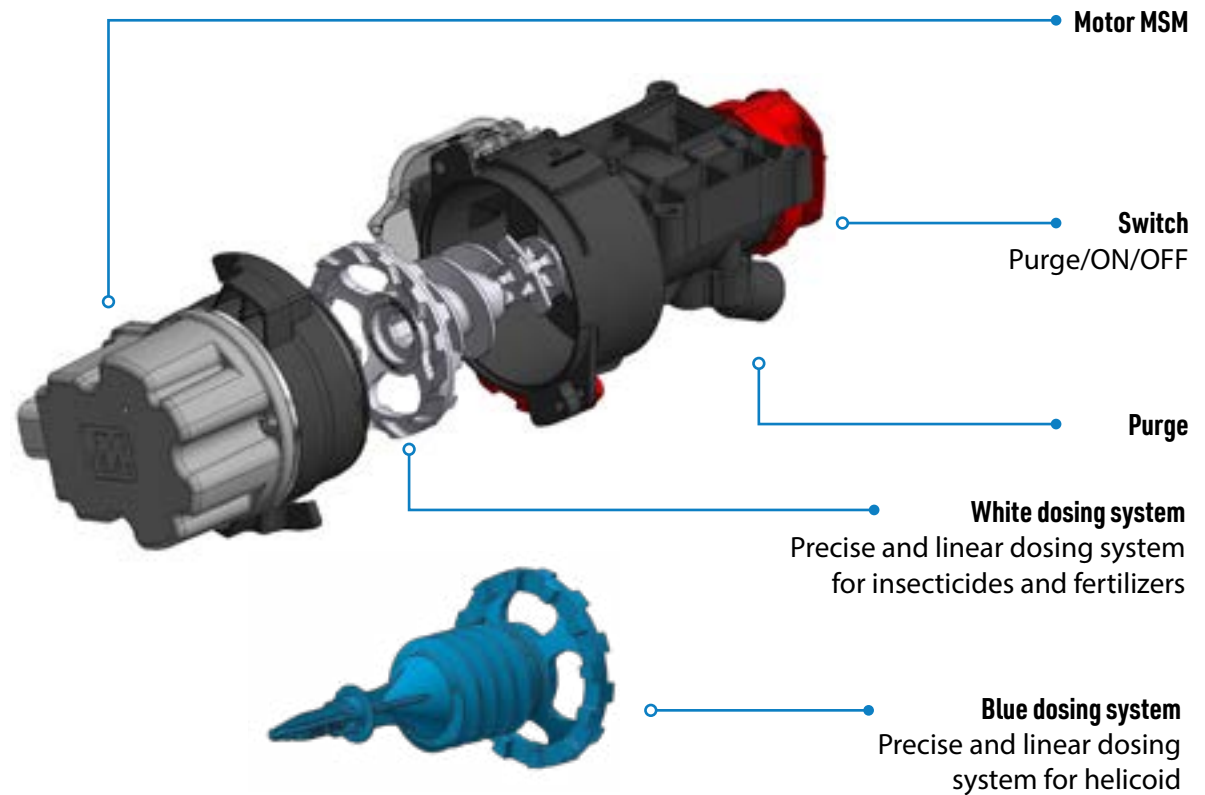
This control is carried out by GPS or manually, depending on your needs.

Depending on the type of microgranule used, the most suitable dosing system or dose should be selected.

Switching from one system to another is easy and tool-free.

**Flash me**  
to see the  
**FertiSmart**  
in action!

## AT THE CORE OF THE MICROSMART SYSTEM



# MICROSMART FUNCTIONS

## EASE OF USE AND ACCESS



A system for lifting the **ValoTerra** element facilitates maintenance, calibration, adjustment or replacement of a part.

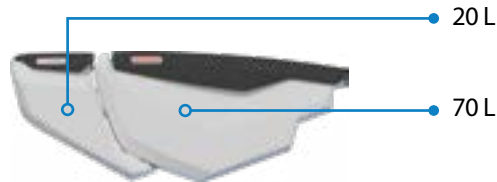
The device can be raised to the height of the user allowing all **MicroSmart** components to be removed in a few seconds for unparalleled working comfort.

## INDEPENDENT METERING UNITS

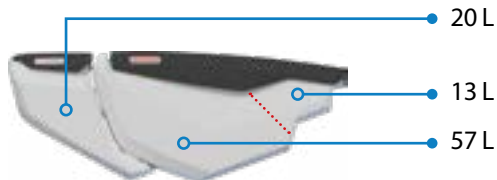


Two independent metering units allow the simultaneous application of 2 microgranules per row.

## MODULAR HOPPERS



• **Configuration A :**  
20L Rear MicroSmart hopper +  
70L Seed hopper



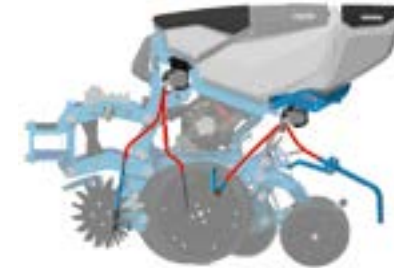
• **Configuration B :**  
20L Rear MicroSmart hopper + 13L Front-MicroSmart + 57L Seed hopper

## ULTRA PRECISE AGRICULTURE WITH FERTISMART



A terminal allows you to manage the row cut and dose modulation of your MicroSmart via GPS and can obtain up to 7% savings.

## MULTI-WAY LOCALISATION



The multi localization metering system allows microgranule metering with localization on **4 different lines**. Metering is now possible at the front, the rear, on the surface and around the seed. With each type of microgranule having specific recommendations for optimum positioning, **MicroSmart** offers the farmer the flexibility they need.

# FertiSmart

## A NEW AND INNOVATIVE SOLUTION DEDICATED TO FERTILISATION

**FertiSmart** is positioned as the intelligent solution for fertilization, putting an end to current technological limitations.

Designed and developed by **Monosem**, the new fertilizer applicator is able to supply each row with dry fertilizer with **row by row** section control.

Its revolutionary design guarantees accurate application and high flow rates of up to **600 kg/ha** by gravitational flow.

**FertiSmart** reaches optimal performance on all types of terrain, including sloping ground, even with a difficult fertilizer.

The new **FertiSmart** fertilizer spreader is available on **ValoTerra**.



## A CLEAR STATEMENT ABOUT CURRENT TECHNOLOGIES

To date, current fertilization technologies are reaching their limits in the face of the challenges of tomorrow's agriculture:

- Uniformity of input on sloping ground.
- Row by row distribution
- Accurate planting
- Environmental challenges

The **FertiSmart** system provides a reliable and tangible response to today's issues.





# MONOSEM AHEAD IN PRECISION AGRICULTURE



With **FertiSmart**, **Monosem** has innovated and put intelligence at the heart of seedling protection and nutrition.

The **Monosem** team have made an intuitive design, easy to use and capable of optimizing input to provide nutrition as close as possible to the needs of the plant.

**FertiSmart, be innovative to have the best crops !**



## INPUT SAVING

- With localized application, reduce your input costs by up to 21%
- Generate up to a 7% saving with row by row control
- Split application combined with rapid furrow cover to limit the loss of nutrients



## ENVIRONMENTAL BENEFITS

- Precise application limits fertilizer volatilization and reduces greenhouse gas emissions by up to 80 %



## GREATER FLEXIBILITY

- Unaffected by sloping ground, it can be used in difficult conditions
- The FertiSmart meets the wide range of nutrient requirements of crops such as rapeseed
- The metering unit is compatible with fertilizers with complex physical properties (Bulk, urea, DAP)



## COMFORT AND SIMPLICITY

- Easy maintenance, calibration, purging and servicing thanks to simplified settings

## FERTILIZATION BEYOND CONVENTIONAL METHODS

**FertiSmart** is distinguished by the following features:

- **Optimisation of fertilization**

The fertilizer dose is modulated over the entire working width and each section is controlled row by row.

- **Precise application in all circumstances**, including on sloping ground

- **Linear flow rate**

The trough roller is unaffected by the physical properties of the fertilizer

- **Flow rate adapted to your needs**

up to 600 kg/ha by gravitational flow

- **Favorize organic farming**

A solution compatible with granulated organic fertilizers

## THE FERTISMART ARCHITECTURE



### 1 Coupling

Facilitates quick attachment of the metering unit to the machine

### 2 MSM (Monosem Smart Motor)

Controls Row-to-row fertilization manually or by GPS

### 3 FertiSmart box

Combines precision and performance

### 4 Trough roller

Optimize system performance

### 5 Gravity outlet

360° swivel to suit row position to ensure no loss of flow rate

### 6 Pulsed outlet

Depending on the position of the rows (360° to have no loss of flow rate)

### 7 Rear hatch

Facilitates the emptying of the metering unit

### 8 Metering unit closing flap

Enables the removal and cleaning of the metering unit when the hopper is full and the manual closing of the rows for combination seeders

## CHOOSE THE RIGHT CONFIGURATION ADAPTED TO YOUR NEEDS

### MSM | One motor per row

The **MSM** (Monosem Smart Motor) mounting allows the full potential of the **FertiSmart** solution to be unlocked. Only the **MSM** mounting is suitable for Section Control, allowing row by row control.

### ISM | One engine for several rows

It is also possible to use one motor for several or even all rows.

This is the **ISM** (Integrated Smart Motor).

This means you can choose the ideal configuration that suits you.

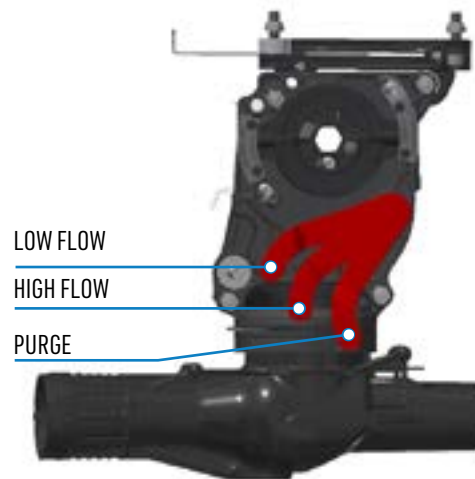


Flash me to see the **FertiSmart** in action!

## SIMPLIFIED SETTINGS AND MAINTENANCE

The FertiSmart system has been designed to make your daily life easier. The ergonomic design of the metering unit saves a lot of time.

### FLOW RATE CONTROL



Adjust the flow rate of each metering unit according to the grain size, using a single lever.

This setting is essential to optimize the flow rate and ensures that the system is unaffected by the physical properties of the fertilizer.

The flow rate flap is spring-loaded to prevent fertilizer clumping and to deal with any foreign matter.

### SIMPLIFIED COUPLING



Metering system is mounted in one simple step. Both convenient and time savings for a better experience.

### MOTOR LOCK



One quarter turn to lock the motor to the metering unit.

## MONOSEM TC-GEO



### THE RIGHT RATE IN THE RIGHT PLACE!

*High-precision is the watchword here, to boost savings on inputs, optimise yields and protect the environment!*

There was a time when dosing rates adjusted according to a prescription map had to be applied across the entire width of a machine – the planter in our case.

Now, **ValoTerra** has gone a step further to offer you increased precision.



## MONOSEM TC-SC



### NO OVERLAPS!

*Eliminating overlaps, saving on inputs and making subsequent crop operations easier are all smart solutions for driving operating efficiency and sustainability!*

Managing overlaps is now a standard feature. Besides enabling you cut back on seeds and inputs, it also helps you manage cultivator runs much more effectively.

**ValoTerra's Isobus technology includes a GPS device that enables you to manage row cut-off for up to 24 rows.**

The on-board terminal screen displays the cut-offs using a variety of colours and shadings for a clearer overview. What's more, when a row is cut off, a sound is emitted to notify the operator.





## TECHNOLOGY ENHANCING EASE OF USE AND OPERATING PLEASURE

Ease of use and operating pleasure to get the best out of precision solutions

A pledge **ValoTerra** promises to keep with its connectivity and exceptional services.



Emergence and Productivity  
driving profitability



Smart solutions  
promoting sustainability



Technology enhancing ease of use  
and operating pleasure



ValoTerra Ultimate optimal  
emergence at all speeds



## MOVE UP A GEAR AND ENJOY A NEW LEVEL OF SERVICES TO MANAGE YOUR CROP OPERATIONS

01

SEEDSTAR M

02

Monosem Plus App

03

Cloud, JDLink & Operations Center

## SEEDSTAR M

**ValoTerra** software is used to control and monitor planting operations and complies with the **Isobus** standard. You can therefore control your planter from a terminal that is **Isobus** compatible, such as the **Monosem Touch Pro** and **Touch Mini** consoles.

This user-friendly and intuitive software enables you to set and control seed distribution, as well as monitor planting quality in real time.

You can now enjoy controlling and monitoring your fieldwork with our ergonomic and information-rich software.



### MAIN FEATURES OF THE SEEDSTAR M

- Tramlines
- Target density
- Actual density
- Working speed
- Hopper filling indicator
- Seed drop precision monitoring (spacing coefficient)
- Seed metering quality monitoring (omissions, duplicates)
- Seed, fertiliser and microgranulate metering controlled from the terminal
- Settings library for all inputs (product calibration is saved in the software)
- Compatible with TC-GEO (variable rate) and TC-SC (section control) for all products applied

It goes without saying that **ValoTerra** software guarantees a new level of services. Enjoy discovering these services over the next few pages.



## THE MONOSEM PLUS APP

With the **Monosem Plus** app, control seed metering and unit calibration from your smartphone, without being in the tractor cab!



### FULL CONTROL USING YOUR SMARTPHONE

The long wait for ultimate operating comfort is over thanks to the **Monosem Plus** app.

Installed on your smartphone, **Monosem Plus** hands you control over each seed metering box.



A **WDS\*** (*Wireless Data Server*) added to the seed planter's architecture enables you to run diagnostics on each row\*\* from your smartphone using "WiFi Direct".



Coming soon on the App Store.

\* Option, only available and compatible with the Monosem TOUCH Pro Terminal. Apps only available for Android.  
\*\*The Monosem Plus version available only for control the metering box

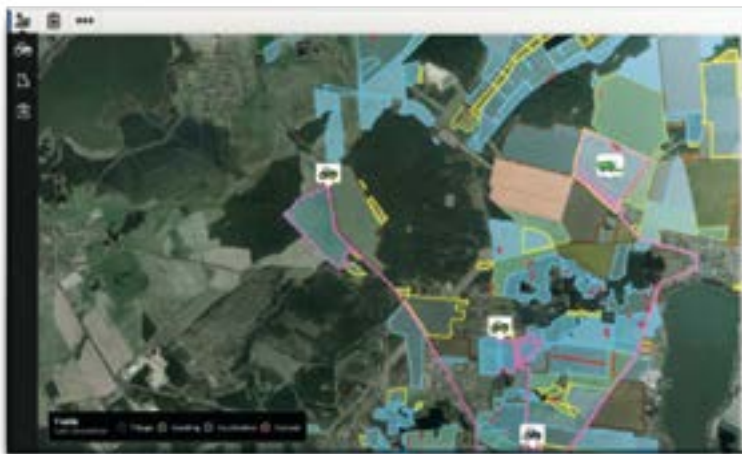
## CLOUD Myjohndeere.com

**The cloud can be accessed by anyone, anywhere!\***

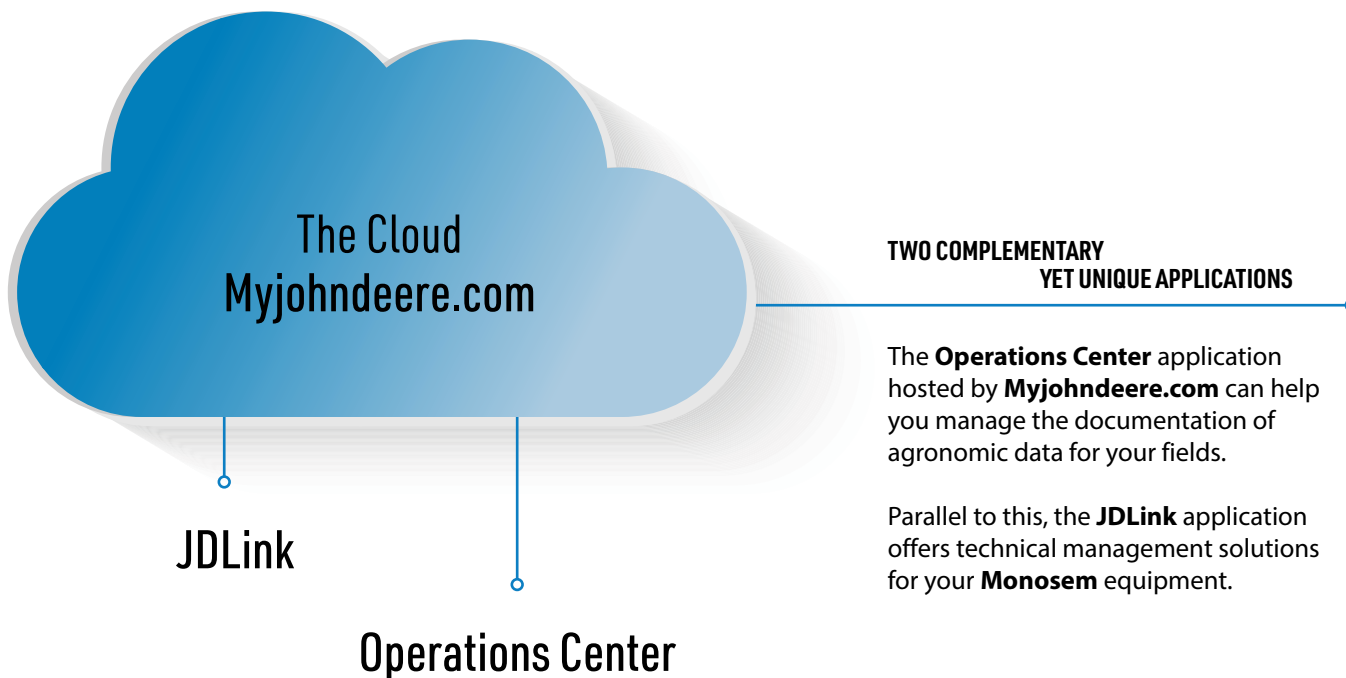
You can use the **Myjohndeere.com** cloud solution to store management data for your fields and **Monosem** equipment.

This cloud is accessible to absolutely everyone!

Anyone can set up an account, register and use this data storage hub free of charge.



\*Compatible with Monosem Touch Pro, John Deere 4640 and 4600 terminals, G5 and G5 Plus.



### TWO-WAY INTERACTION FOR COMFORT AND PEACE OF MIND!

**Monosem's** unique brand of precision farming is not only about collecting agronomic data. It also focuses on the interaction between equipment owners and their machines.

This interaction is key to optimising settings, managing field work and reducing maintenance costs.

**Monosem** precision farming pays specific attention to two-way communication between machinery and the cloud, and therefore the owner.

This communication offers ease of use and productivity gains that surpass your standard precision farming solutions.

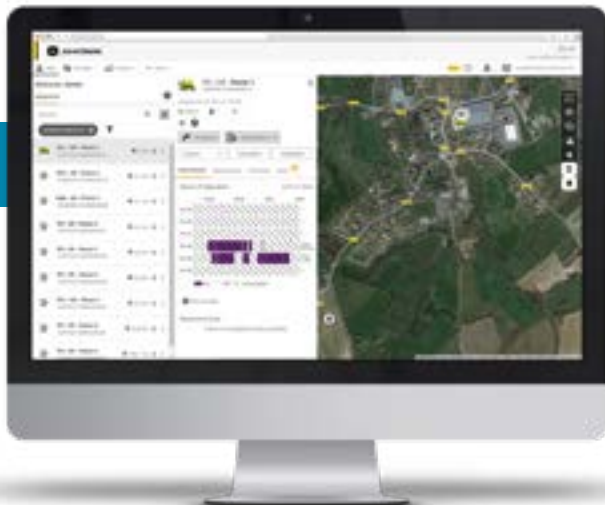
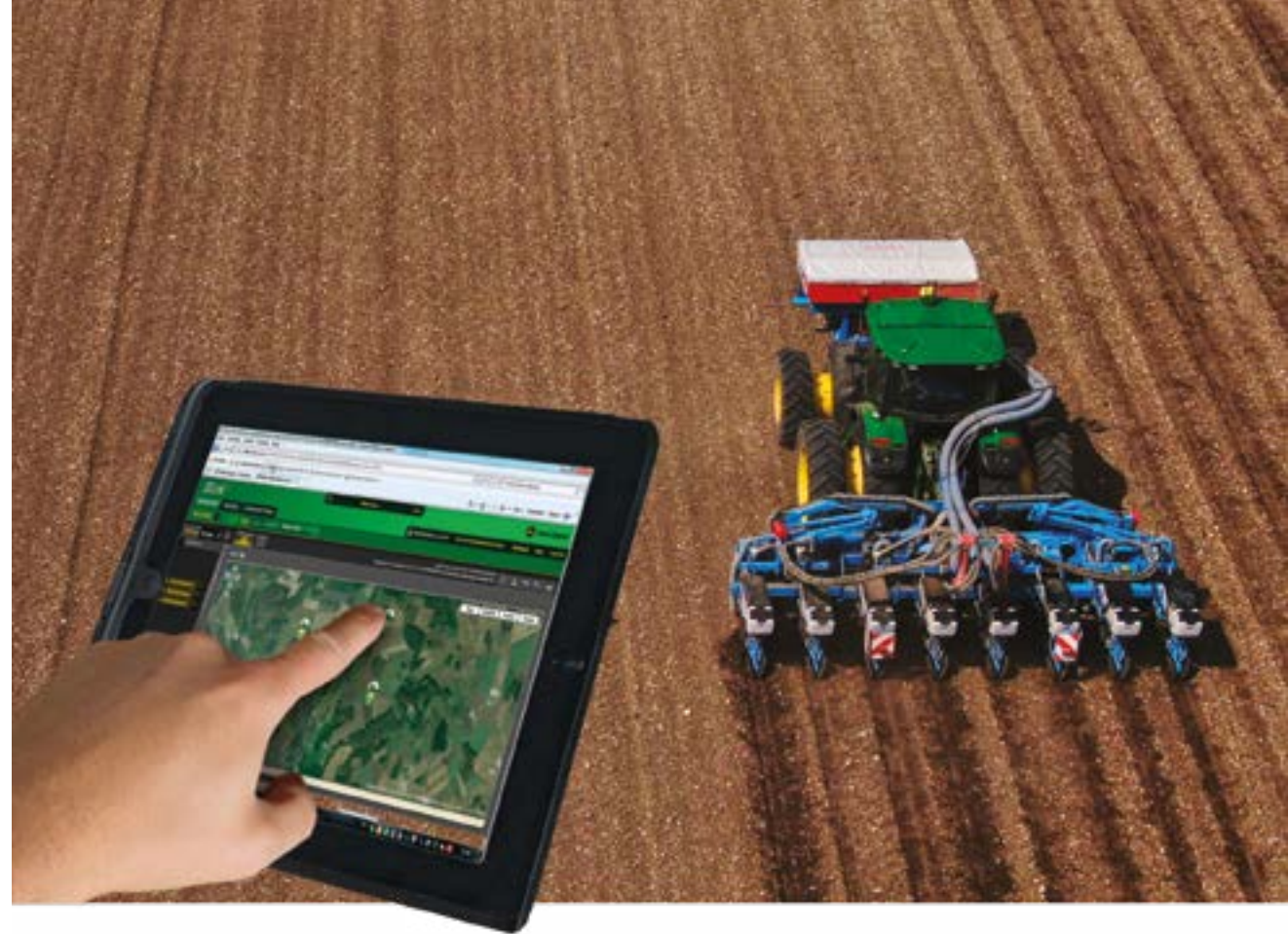
# JDLink

## HELPING YOU MANAGE YOUR MONOSEM EQUIPMENT

As well as storing information about your equipment, such as serial numbers, product names, configurations and settings, the **JDLink** system also offers you countless other advantages.

### TRANSFER OF TECHNICAL DATA FROM THE PLANTER... TO MONITOR YOUR EQUIPMENT IN REAL TIME!

Technical data including alerts, maintenance plans and location data are transferred in real time by the **MTG** (*Modular Telematic Gateway*) module installed on the planter.



### AN AGILE SOLUTION OFFERING COUNTLESS POSSIBILITIES

- Track your equipment's location in real time
- View the movements log
- Receive alert messages from the **DTC** (*Diagnostic Trouble Code*) alert system by email or text message if technical faults are detected
- Receive real-time alerts if your planter travels outside of an area you have pre-defined
- Receive alerts if your planter is used outside of a time window you have pre-defined
- Receive maintenance recommendations for your equipment
- Update your planter software remotely by authorising access to your technical support

# Operations Center

## HELPING YOU DOCUMENT AGRONOMIC DATA

Besides enabling you to save general information on clients and fields, **Operations Center** is also a powerful documentation, mapping and traceability tool.



### TWO-WAY INTERACTION FOR CONVENIENCE AND PEACE OF MIND!

Enjoy browsing through data such as seed variety, target planting density, actual density, metering rate, seed spacing and variation rates, and working speed.

What's great is that your data can be processed in the **Operations Center** whatever your tractor brand.

There are also solutions for exporting data and using prescription maps on **Monosem** planters, provided that tractors are appropriately equipped.

Don't hesitate to contact your **Monosem** dealer for further information.

### THREE DATA TRANSFER OPTIONS



#### MANUAL TRANSFER USING A USB MEMORY STICK

Manually transfer your crop data from any tractor terminal to the **Operations Center** using a compatible USB memory stick (make sure the terminal has a USB port).



#### TRANSFER USING A WIFI HOTSPOT

This type of data transfer is easy if you are equipped with a **Monosem Touch Pro** box or a **John Deere** terminals. As soon as you are near a WiFi hotspot, your data is automatically sent to the **cloud**.

Solutions combining an **MDT** (*Mobile Data Transfer*) USB stick and a smartphone installed with a **WDT** (*Wireless Data Transfer*) app are available for any other on-board computers, regardless of the tractor brand.



#### TRANSFER DATA TO THE CLOUD IN REAL TIME

The ideal solution for tractors or terminals equipped with their own **MTG** (*Modular Telematic Gateway*) module.

**As you've probably noticed, our versatile system is compatible with countless solutions to meet every need!**





## VALOTERRA ULTIMATE OPTIMAL EMERGENCE AT ALL SPEEDS

With its new brush-based seed guidance system, the **ValoTerra Ultimate** ensures optimal planting consistency and depth at speeds of **4 to 18 km/h**, resulting in fast and uniform shoot emergence!





Emergence and Productivity  
driving profitability



Smart solutions  
promoting sustainability



Technology enhancing ease of use  
and operating pleasure



**ValoTerra Ultimate optimal  
emergence at all speeds**



## SPEED IS NO LONGER AN ISSUE!

01

Active Seed Guidance (ASG)

02

SmartAccess

03

ValoTerra Ultimate

# Active Seed Guidance (ASG\*)

## HIGH-SPEED PLANTING IS ONLY VIABLE IF IT IS FULLY CONTROLLED!

High-speed precision planters are perfectly equipped to meet requirements in terms of fertilizer output, crop diversity and performance at low and medium speeds.

**With the ValoTerra Ultimate, speed is no longer a barrier to achieving optimal emergence:**



### TOP PERFORMANCE AT LOW, MEDIUM AND HIGH SPEEDS

Planting speeds of **4 to 18 km/h** are possible with the ASG system!



### CROP DIVERSITY

The **ASG system** can be swapped for a chute to plant a wide range of crops



### HIGH FERTILIZER OUTPUT

The FertiSmart distribution unit can apply up to **450kg/ha!**

## THE NEW ASG SEED GUIDANCE SYSTEM HAS BEEN DEVELOPED BASED ON OUR ZERO-GRAVITY CONCEPT!

Our guidance system controls all stages of the seeds' journey, from the seed disc to the cellular loading wheel and finally, the conveyor outlet.

Back rolling is controlled, the seed ejection speed is proportionate to the tractor's working speed, and spacing in the furrow is kept consistent on both flat and uneven ground.

**This means that speed is no longer an issue, since each seed is positioned precisely at speeds of 4 to 18 km/h.**

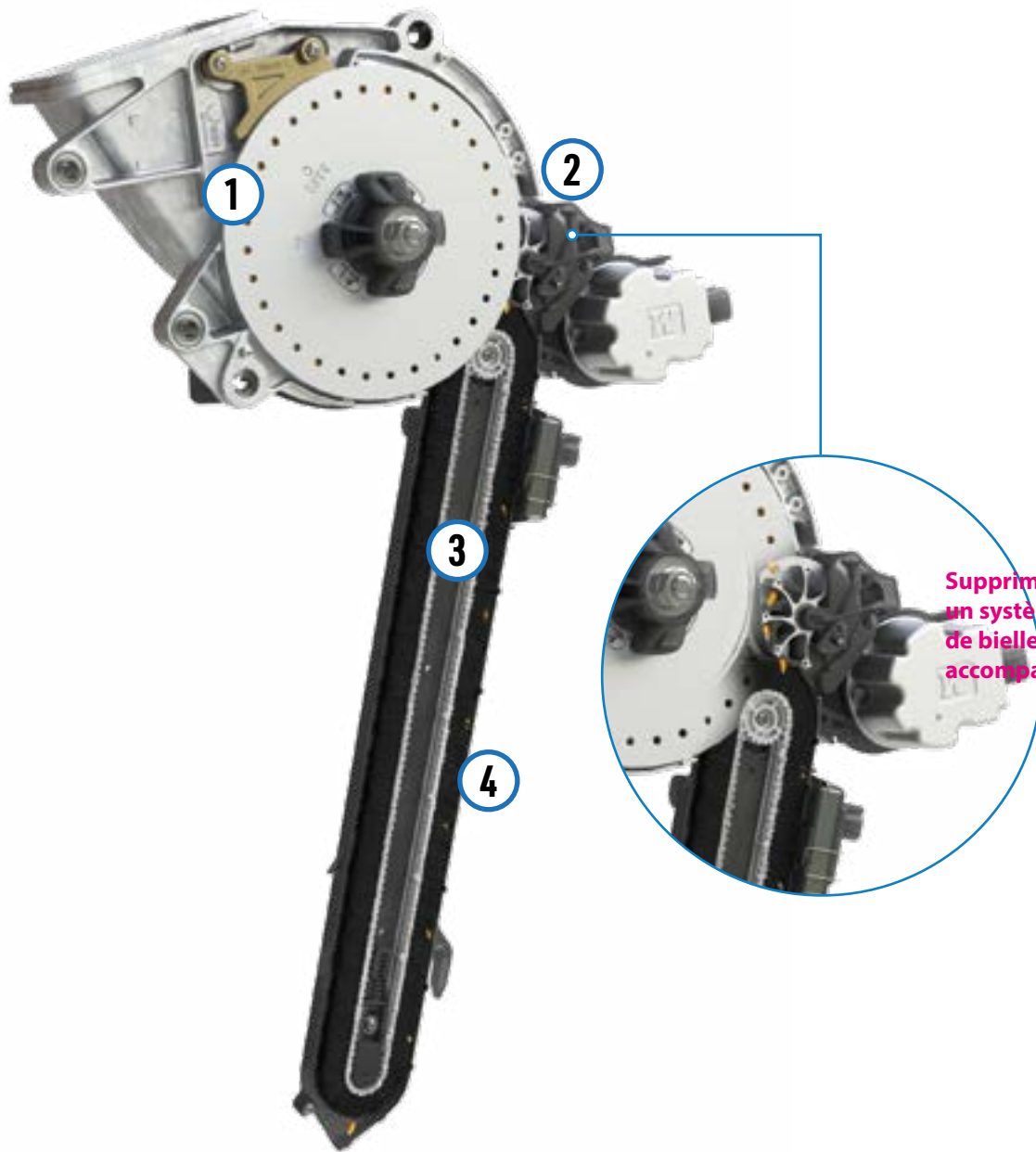
\* ASG Ready will be available for Wingfold frames. The ASG system will be available for purchase from 2025.



**Scan here** to see the **Active Seed Guidance** system in action!







## INSIDE THE INNOVATIVE ASG SYSTEM

### THE SEED GUIDANCE SYSTEM THAT ADAPTS TO YOUR PLANTING SPEEDS...

#### 1: VACUUM-BASED METERING BOX

The vacuum-based seed metering system ensures planting precision and versatility. The metering box is equipped with smooth discs, a patented insert and electric drive, all of which help increase precision at higher speeds.

#### 2: CELLULAR LOADING WHEEL

Seeds are supplied to the cellular loading wheel, which then inserts them in the brush conveyor using a system of guiding rods. The system only allows high-precision insertion of seeds in the brush conveyor, which conveys them to the furrow.

#### 3: POSITIVE DRIVE BELT

The brush conveyor belt is grooved to ensure optimal alignment, perfect rotation, and minimal wear.

#### 4: BRUSH CONVEYOR

The rotating brush conveyor guides seeds to the furrow at a rate proportionate to the tractor's working speed, eliminating any bumps and vibrations. This is a precision solution ensuring accurate and consistent seed placement in the furrow.



# Smart Access

## CROP DIVERSITY IS NO LONGER AN ISSUE



### SMART ACCESS

- The SmartAccess system offers exceptional versatility by allowing you to swap ASGs for chutes, so you can plant a wide variety of seeds.
- L'ASG est compatible avec les graines de maïs et tournesol. Les autres graines peuvent être semées avec la goulotte.
- Crops are changed by changing discs, which takes less than a minute per metering unit!

### «JUST CHANGE THE DISK!»

As with existing systems, there's no need to remove any ejection wheels or pressure/vacuum adjustment grilles. Just change the disc!



Scan here to see the **SmartAccess** system in action!



### AN INTERCHANGEABLE SYSTEM

It takes less than 5 minutes per row to switch from the conveyor system to the chute system!

## FERTILIZER APPLICATION IS NO LONGER AN ISSUE WITH FERTISMART!



### FERTISMART

Limited fertilizer distribution capacity is no longer an issue with **FertiSmart**, the new fertilizer unit that pneumatically applies up to **450kg/ha** from an 8-row planter (with 75cm inter-row spacing) at 15 km/h!

The **FertiSmart** unit provides optimum performance whatever the terrain, slopes included, even where demanding fertilizers are concerned.

## MICROSMART: THE KEY TO ULTRA-PRECISION AGRICULTURE



### MICROSMART

This system ensures highly consistent application of plant protection and nutrition products at any operating speed. Besides applying products accurately, the new **MicroSmart** microgranulator is equipped with 4 positioning lines capable of applying two products simultaneously (e.g. starter fertilizer and pesticides) from 2 separate hoppers per metering unit!

# ValoTerra Ultimate

## YOUR KEYS TO SUCCESS:

### INCREASED PRODUCTIVITY

- Maximum precision at all working speeds with the largest opener discs and gauge wheels on the market
- Fertilizer is applied at the required rate without any limit on speed with the **FertiSmart** system (up to 450kg/ha)
- The innovative **SmartAccess** system makes cleaning easier, enabling significant time savings
- Working speed can be adjusted from 4 to 18 km/h with the **ASG** system, boosting your productivity
- Discs can be changed in less than a minute per row
- Depth control components can be adjusted quickly without tools

### ULTIMATE VERSATILITY

- The drop chute can be exchanged for the **ASG** conveyor depending on the type of seeds used
- The **FertiSmart** distribution unit handles undulating and sloping land, and can therefore be used in any planting conditions
- The **FertiSmart** distribution unit is compatible with a wide variety of fertilizers (bulk-blends, organic fertilizers, granulate, etc.)
- With ground pressure of up to 325kg, the **ValoTerra Ultimate** adapts to all soil types
- Working speed can be adjusted to operating conditions (in terms of soil, weather, gradient, etc.)





## ENVIRONMENTAL BENEFITS

- With the **MicroSmart** multi-line distribution system, 2 different microgranule types can be applied in exactly the right place using 4 available application lines
- Up to 7% savings can be made on inputs through variable rate control across the working width and row-by-row section-control (**FertiSmart & MicroSmart**)
- A full record is kept of fertilizer and microgranule quantities applied (data are saved on **MyJohnDeere.com**)



## EASE OF USE

- Metering precision can be adjusted using the new **Monosem Plus** app on your smartphone with «WiFi Direct»
- The ISOBUS-compatible **ValoTerra** software is simple and intuitive, providing a convenient way of managing planting operations
- The ValoTerra's on-board technology provides an easy way of documenting and managing crop operations
- Real-time machine-driver communication
- Settings can be adjusted easily in the tractor cab

# ValoTerra

## Range and main equipment items

MODELS		MB 260 ST		TFC2					RDB			MULTISLIDE			WINGFOLD 2
PLANTER	Row unit type	VALOTERRA		VALOTERRA					VALOTERRA			VALOTERRA			VALOTERRA ULTIMATE
	Number of rows	6	7	8	9	11	12	12	8	9	9	7	8	9	8
	Inter-rows	70/75/80	60	70/75/80	60	60	45	50	70/75/80	60	75	6 : 75 - 80 (1) 7 : 45 - 70 (1)	6 : 75 - 80 (1) 8 : 45 - 80 (1)	8 : 75 - 80 (1) 9 : 45 - 70 (1)	70/75/80
	Working width	4m20-4m80	4m20	5m60-6m40	4m95-5m40	6m60	5m40	6m00	5m60-6m40	5m40	6m75	4m50	6m00		5m60-6m40
	Transport width	3m50		3m00		3m50	3m00		3m00		3m50	3m00		3m50	3m00-3m40
FERTILISER UNIT	FertiSmart on planter	980L		1350L	-			-			-			1350L	
	Equipment for front-mounted fertiliser units	STD	STD/DUO	STD		STD/DUO		STD			STD			-	
MICROSMART	Rear MicroSmart	20L		20L					20L			20L			20L
	Front MicroSmart	13L (2)		13L (2)					13L (2)			13L (2)			13L (2)

(1) In steps of 5cm

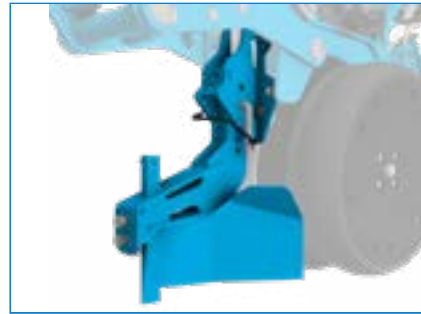
(2) 55L seed hopper

# Main options

Microgranulator, Fertiliser units, Isobus terminals



**Flexible Pro wheel (per row)**  
Replacing the stainless-steel PRO wheel



**Clod remover (per row)**  
Replacing trash wheels  
For conditions in which there is no surface residue



**1" Rear closing wheel (per row)**  
Replacing the 2" rear wheels



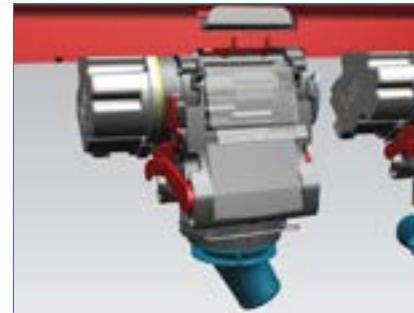
**Rear MicroSmart 20L insecticide (per row)(v3)**  
20L hopper



**Additional molluscicide screw and drop tube rear microgranulator (V5)(per row)**



**Front MicroSmart insecticide/ fertilizer (V2)**  
13L hopper (+ 55L seed hopper) (per row)



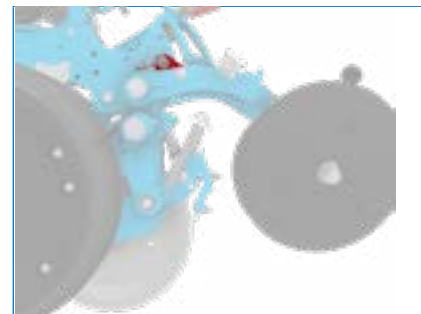
**MSM FertiSmart Fertilizer**  
With MSM drive: one motor per dosing unit.



**WDS module (1)**  
Provides access to MONOSEM PLUS



**Hydraulic lift kit**  
For 1 row - direct tractor connection



**Rear block locking kit in high position (per row)**



**Element locking kit Valoterra in high position with depression shutter (per row) (2)**

(2) Only compatible with ValoTerra row unit after 09/2023

# MONOSEM

Enhanced precision

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Reference no.: 92800EN

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