

# MS PLANTER

By Monosem for vegetable growers



## MONOSEM FOUNDING PRINCIPLES

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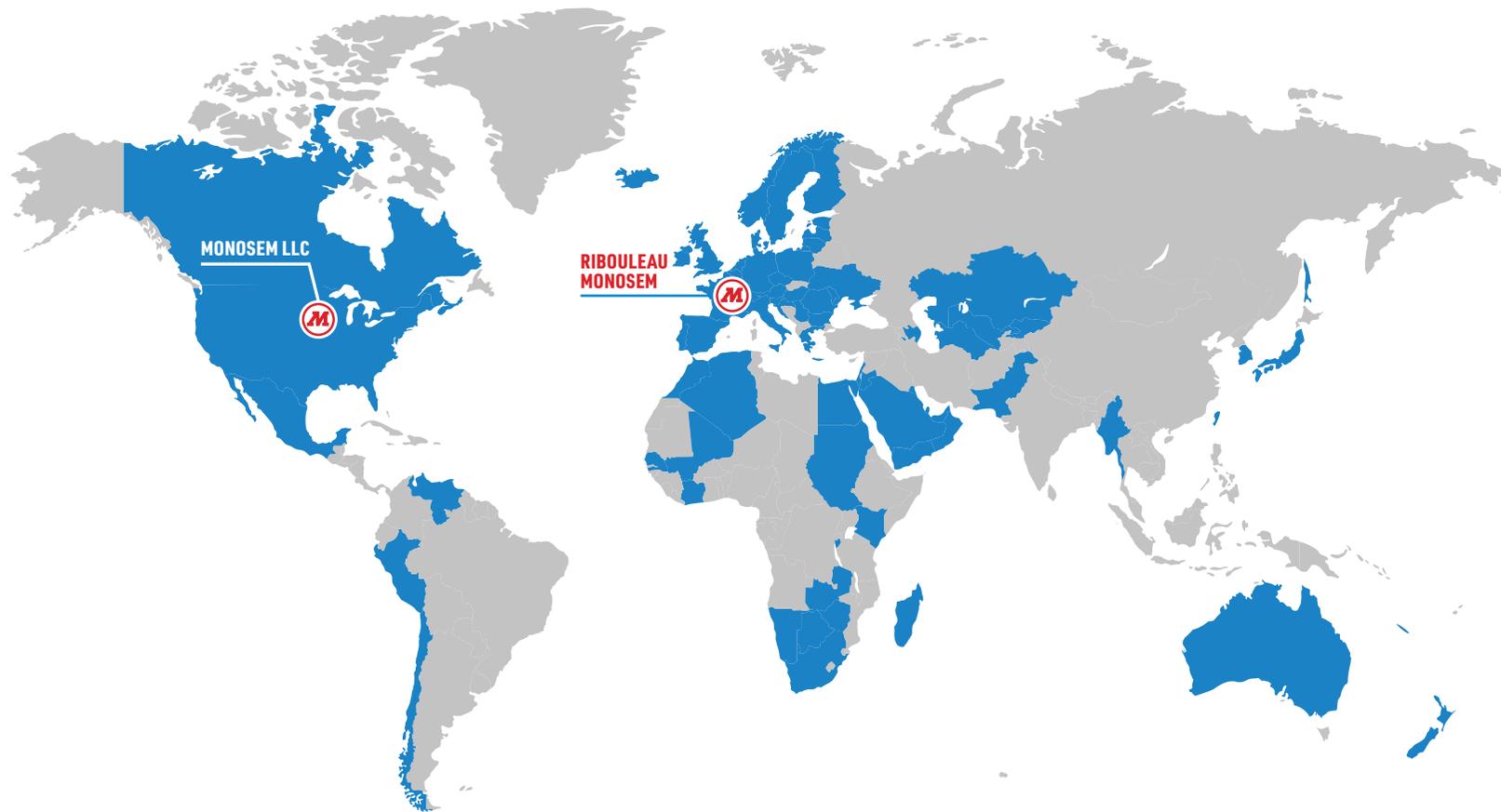
Seed planting is an investment and a crucial step in ensuring crops reach their full potential. Many farmers in over **80 countries** worldwide have chosen to rely on **Monosem** technology.

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

Built on reliability, durability and agronomic performance, this trust placed in our company is now further consolidated 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.



# MS

*By Monosem for vegetable growers.*

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\*Not all features shown are available in US markets.

# DATA SHEET

## MS

By Monosem for vegetable growers

The MS metering unit is specially designed for planting **vegetable crops**. Its key benefits are excellent seed placement, consistent depth, outstanding shoot emergence, and ease of adjustment. Each unit is capable of planting a wide range of seeds with excellent results.



### TILLAGE

Well prepared soils,  
minimum-till (Ver. V)



### NUMBER OF LINES

1 to 40 lines



### INTER-ROW SPACING

5.5" - 75"



### CROP TYPES

Vegetable crops (lettuce,  
onion, carrot, broccoli, etc.)



### DRIVE

Mechanical or hydraulic



### PRESSURE SYSTEM

Double springs up pressure  
Down Pressure Springs on Ver. V



### PRESS WHEEL

Intermediate press wheel  
(optional)



### HOPPER

3L seed hopper  
(1.5L optional)



### ASSISTED ADJUSTMENT SYSTEM

EasyAdjust mobile app



### HYD. DRIVE SYSTEMS

John Deere SeedStar2,  
IntelliAg ISO6



### MECH. DRIVE MONITORING

Monosem 5150, Monosem 5750,  
John Deere SeedStar2, IntelliAg ISO6



### ISOBUS

IntelliAg ISO6



### BED SHAPPING ROLLERS

Infinite height adjustment  
Optional bed shaping collars



### FERTILIZER/MICROGRANULES

Microsem + Fertilizer



### PLANTING

Shoe (single line, double  
lines or spreader shoe)



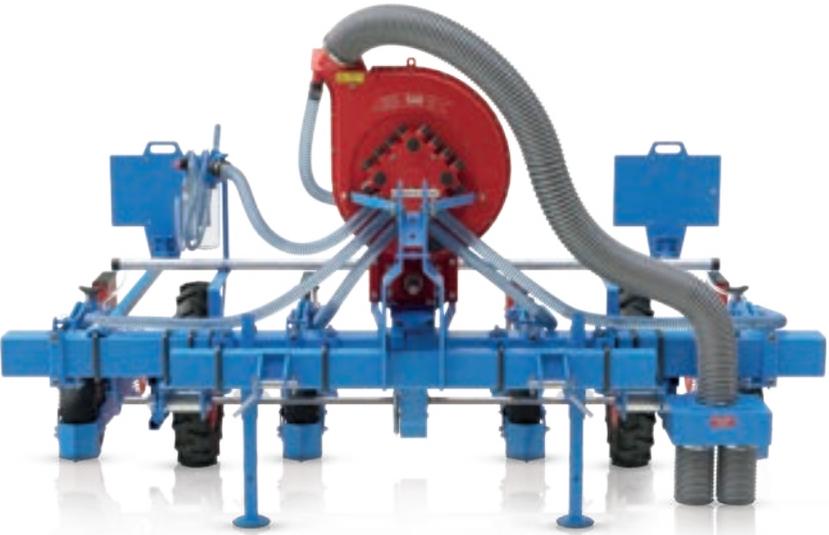
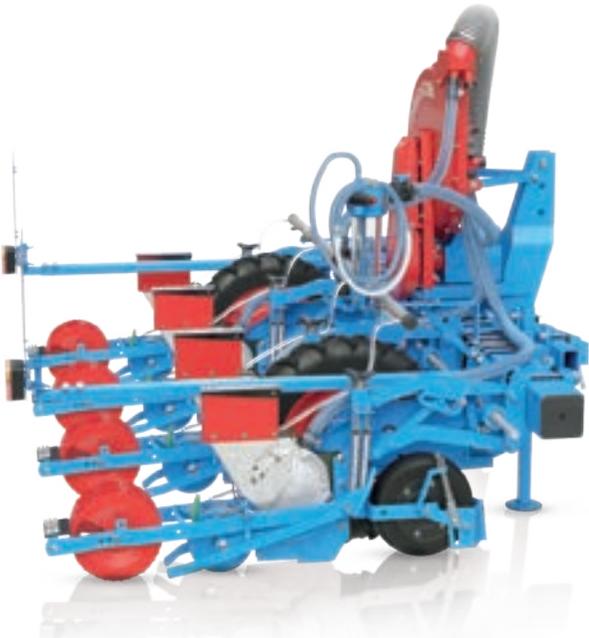
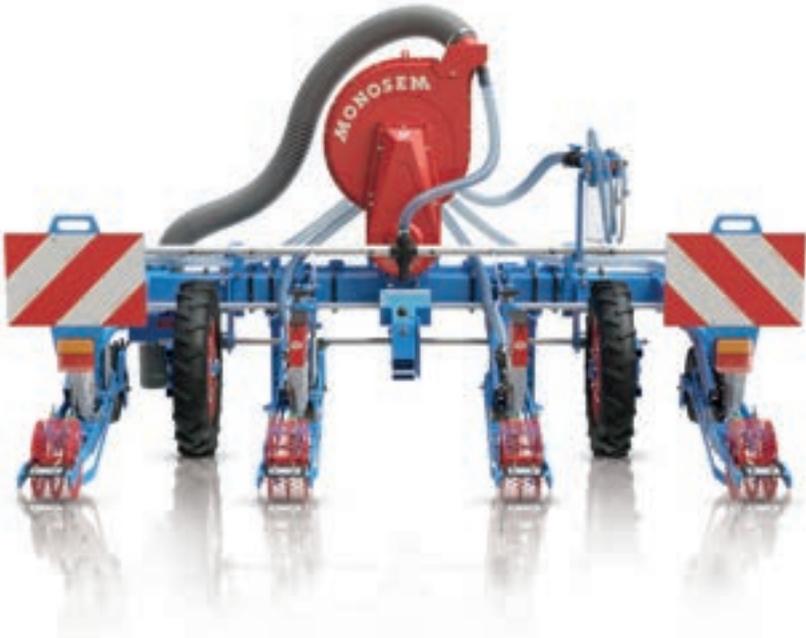
### FRAME

5-inch frame

360°

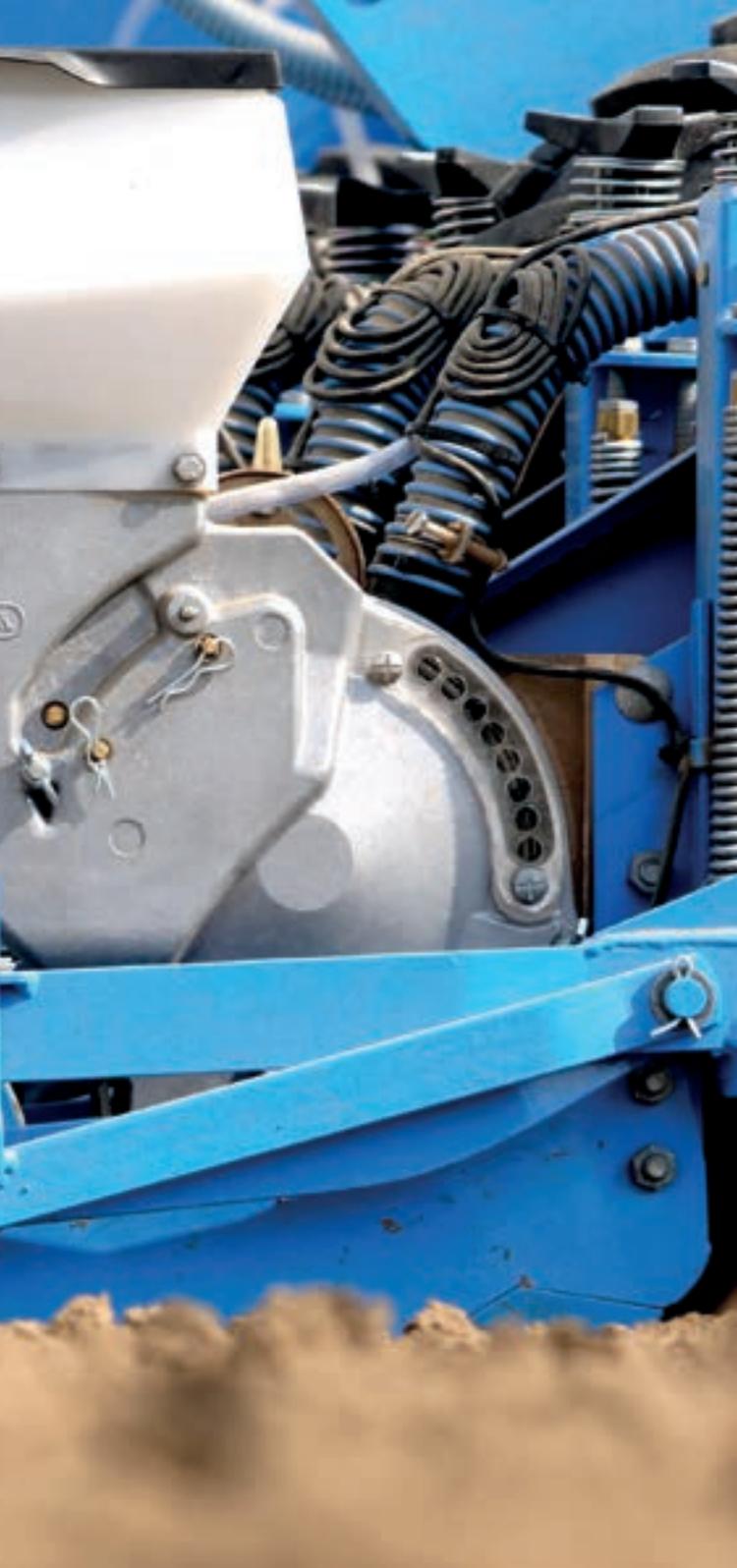
# PRECISION FROM EVERY ANGLE

360°



\*Not all features shown are available in US markets.





## WHY CHOOSE THE MS PLANTER?



**High-precision seed placement**  
Metering box by Monosem



**Easy to adjust**  
Adjustment hand wheel and depth scale



**High-quality shoot emergence**  
Intermediate press wheel



This precision planter has been specially developed to **help vegetable growers** ensure their crops achieve their full potential. The MS metering unit is fully compatible with a **whole host of seeds** including radish, lettuce, melon, broccoli and many more seeds.

# PLANTING WITH SHOE

The **MS metering units'** planting system is based on depth control by front gauge wheel and planting with shoe. Your vegetable crops deserve the very best planting system. Choosing Monosem guarantees this level of quality.



## A game-changing concept

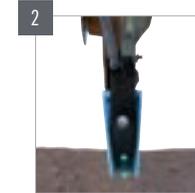
Inconsistent depth can result in up to 9% lower yield. **Avoid this risk by choosing the Monosem planting system.**

- **Perfect contour following**
- **Ultra-precision depth adjustment**
- **Flawless seed firming**
- **Optimal germination**



### CLOD REMOVER

The clod remover clears the way for the seed line, removing any clods or stones, while the gauge wheel presses the soil and controls depth.



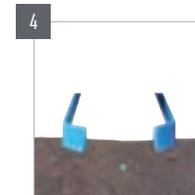
### SHOE

The shoe opens the furrow (or furrows) at a depth defined by the front gauge wheel. Shoes allow a short seed drop from the meter increasing seed placement accuracy.



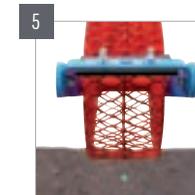
### INTERMEDIATE PRESS WHEEL

The pressure-adjustable intermediate press wheel presses seeds to the furrow bottom for rapid and uniform shoot emergence.



### HILLERS

Hillers (which are retractable if required) scrape fine soil over the seeds.



### REAR WHEEL

The rear wheel closes the furrow around the seeds to ensure optimal germination. In the MS V version, two self-cleaning wheels close the furrow.

# PLANTING TYPES

## SINGLE LINE

PLANTING TYPE ↓



INTER-ROW SPACING ↓

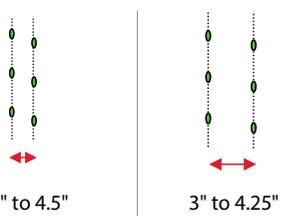
5.5" to 8" | 8" and +

METERING UNIT ↓

<i>MS B or B2:</i> 1 line per box	<i>MS A</i> <i>MS B or B2:</i> 1 line per box
	<i>MS V:</i> 1 line 10" Spacing

## DOUBLE LINE

PLANTING TYPE ↓



2" to 4.5"

3" to 4.25"

INTER-ROW SPACING ↓

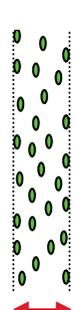
8" and + | 10" and above

METERING UNIT ↓

<i>MS C:</i> 2 lines per box	<i>MS D or D2:</i> 1 line per box
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## BROADCAST

PLANTING TYPE ↓



2" or 4"

INTER-ROW SPACING ↓

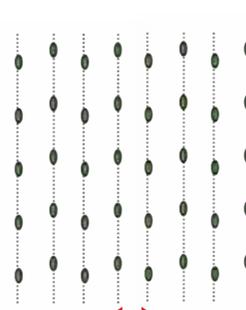
8" and +

METERING UNIT ↓

*MS A or MS C:*  
1 strip  
per box

## MULTI-LINE

PLANTING TYPE ↓



2.75" to 5.75"

BED-WIDTH ↓

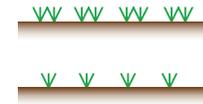
40", 60", 72" and 80"

METERING UNIT ↓

*MS M:*  
1 line  
per box

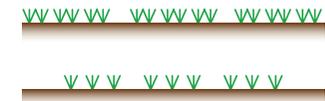
## → EXAMPLES OF PLANTING ON FLAT GROUND

### STANDARD



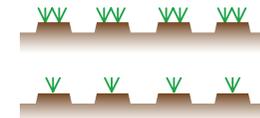
MS A

### BEDS

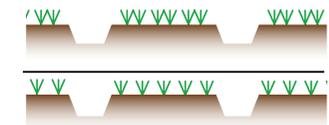


## → EXAMPLES OF PLANTING RAISED BEDS

### NARROW BEDS



### WIDE BEDS



MS M

# ROW UNIT MS

The MS metering unit is specially designed for **planting vegetable crops**. Its key benefits are excellent seed placement, consistent depth, outstanding shoot emergence, and ease of adjustment. Each unit is capable of planting a wide range of seeds with excellent results.



**Hopper**  
MS metering units are supplied as standard with a 3L hopper. If required, units can be supplied with a 1.5L hopper.



**Pressure-adjustable rear closing wheel unit**

Various wheel models are available for closing and pressing the furrow. The ground pressure of these wheels is adjustable.



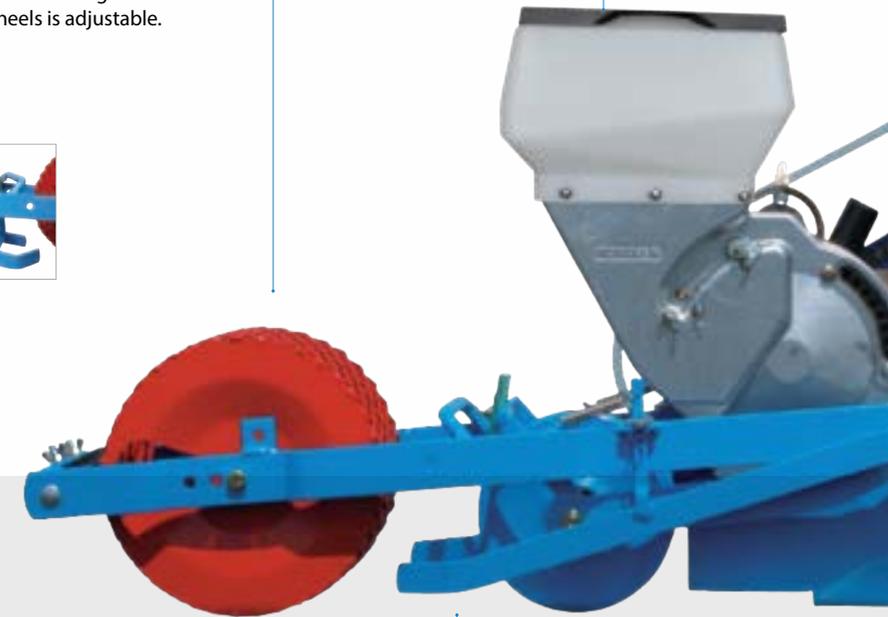
**Hillers**

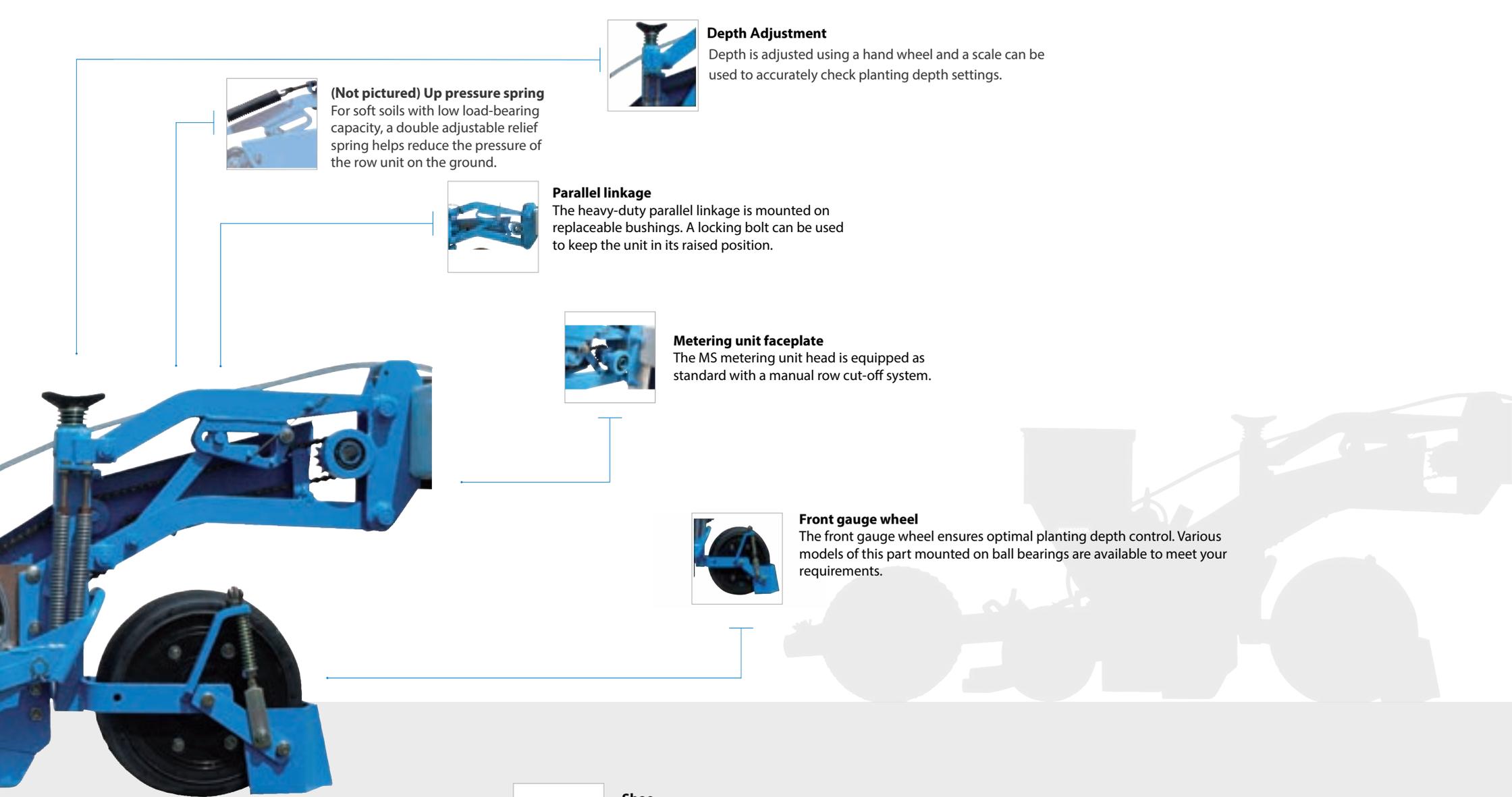
These hillers are supplied as standard. They help close the furrow. They are height-adjustable and individually retractable.



**Pressure-adjustable intermediate press wheel**

MS units can be equipped with intermediate press wheels that press seeds to the furrow bottom, thus improving seed-soil contact. Press wheel ground pressure is adjustable.





**Depth Adjustment**

Depth is adjusted using a hand wheel and a scale can be used to accurately check planting depth settings.



**(Not pictured) Up pressure spring**

For soft soils with low load-bearing capacity, a double adjustable relief spring helps reduce the pressure of the row unit on the ground.



**Parallel linkage**

The heavy-duty parallel linkage is mounted on replaceable bushings. A locking bolt can be used to keep the unit in its raised position.



**Metering unit faceplate**

The MS metering unit head is equipped as standard with a manual row cut-off system.



**Front gauge wheel**

The front gauge wheel ensures optimal planting depth control. Various models of this part mounted on ball bearings are available to meet your requirements.



**Shoe**

MS unit shoes are removable with a replaceable tip and are available in various models to meet your requirements:

- Single-line, double-line or strip planting
- Standard, low profile, narrow, extended wings, etc.

# ROW UNIT

## MS-A

The MS A metering unit can be converted to an MS C unit by changing the shoe and disc and adding a second press wheel and a second singulator.



6

5

4

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2

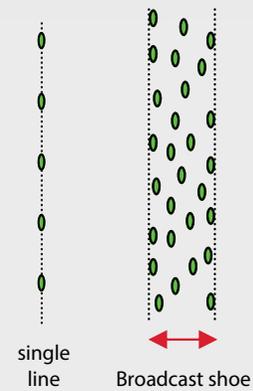
### STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 12" tall x 4" wide self-cleaning front wheel
- 3 Standard Shoe (other shoes available)
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring
- 5 Adjustable and individually retractable intermediate hillers
- 6 10" tall x 4.5" wide rear cage wheel

### INTER-ROW SPACING



### PLANTING TYPE



# ROW UNIT

## MS-C

The MS C metering unit can be converted to an MS A unit by changing the shoe and disc and removing the second press wheel and the second singulator.



7

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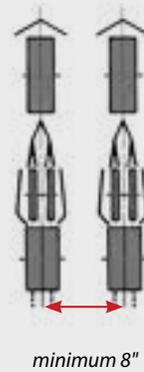
3

2

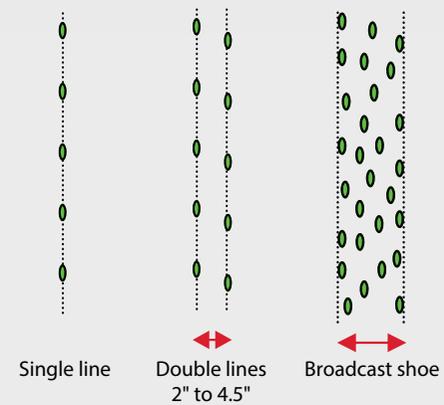
### STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 12" tall x 4" wide self-cleaning front wheel
- 3 Twin shoe clod remover
- 4 Double-line shoe with 2" to 4.5" spacing
- 5 Narrow twin intermediate press wheels with stainless-steel tires, plastic scrapers and adjustable pressure springs
- 6 Adjustable and individually retractable intermediate hillers
- 7 10" tall x 4.5" wide rear cage wheel

### INTER-ROW SPACING



### PLANTING TYPE



# ROW UNIT

## MS-B / B2

The MS-B is a simplified planter unit for crops with narrow spacing.

MS B2 is a B metering unit with intermediate press wheel added.



6

5

4

3

2

### STANDARD EQUIPMENT

- 1 Clod remover
- 2 12" x 2" self-cleaning front wheel
- 3 Standard shoe (others shoes available)
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring (only on MS B2 unit)
- 5 Intermediate hiller (incompatible with MS B unit)
- 6 Cast-iron concave rear wheel with self-cleaning flexible tire

### INTER-ROW SPACING



### PLANTING TYPE



# ROW UNIT

## MS-D / D2

The MS-D has 2 meters in a single row unit. Each meter can do single or twin line. Popular for seeding onions. MS-D2 is a D metering unit with intermediate press wheels added.



6

5

4

3

2

### STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 10" tall x 6.5" wide front wheel with self-cleaning tire
- 3 Standard shoe (other options available)
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring (incompatible with MS D unit)
- 5 Adjustable and individually retractable intermediate hillers
- 6 10" tall x 6.5" wide rear wheel with self-cleaning tire

### INTER-ROW SPACING



minimum 10"

### PLANTING TYPE

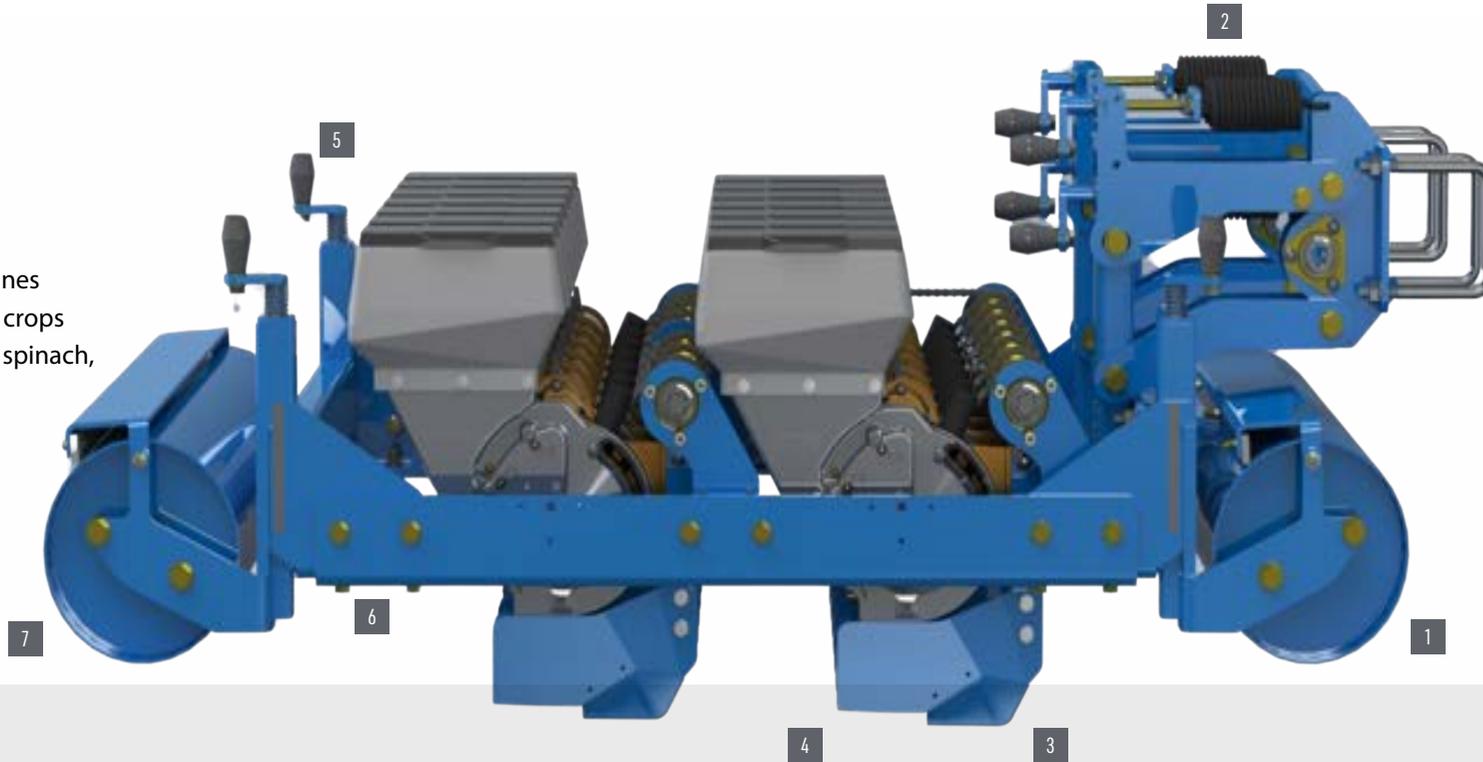


3" to 4.25" double lines

# ROW UNIT

## MS-M

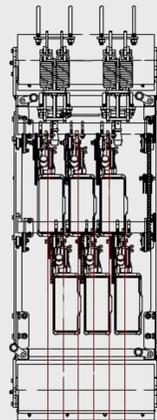
The MS-M allows multiple seed lines for high population seeding, for crops such as lettuce, carrots, broccoli, spinach, onion, etc.



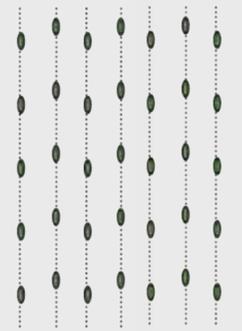
### STANDARD EQUIPMENT

- 1 10" front steel roller, w/ scraper
- 2 Adjustable up pressure linkage
- 3 Standard shoe (other options available)
- 4 Adjustable hillers on every meter (not pictured)
- 5 Adjustable depth control knob in all for corners
- 6 Standard and custom bed widths available (Standard include 40", 60", 72" & 80")
- 7 10" rear roller, w/ scraper

### INTER-ROW SPACING



### PLANTING TYPE

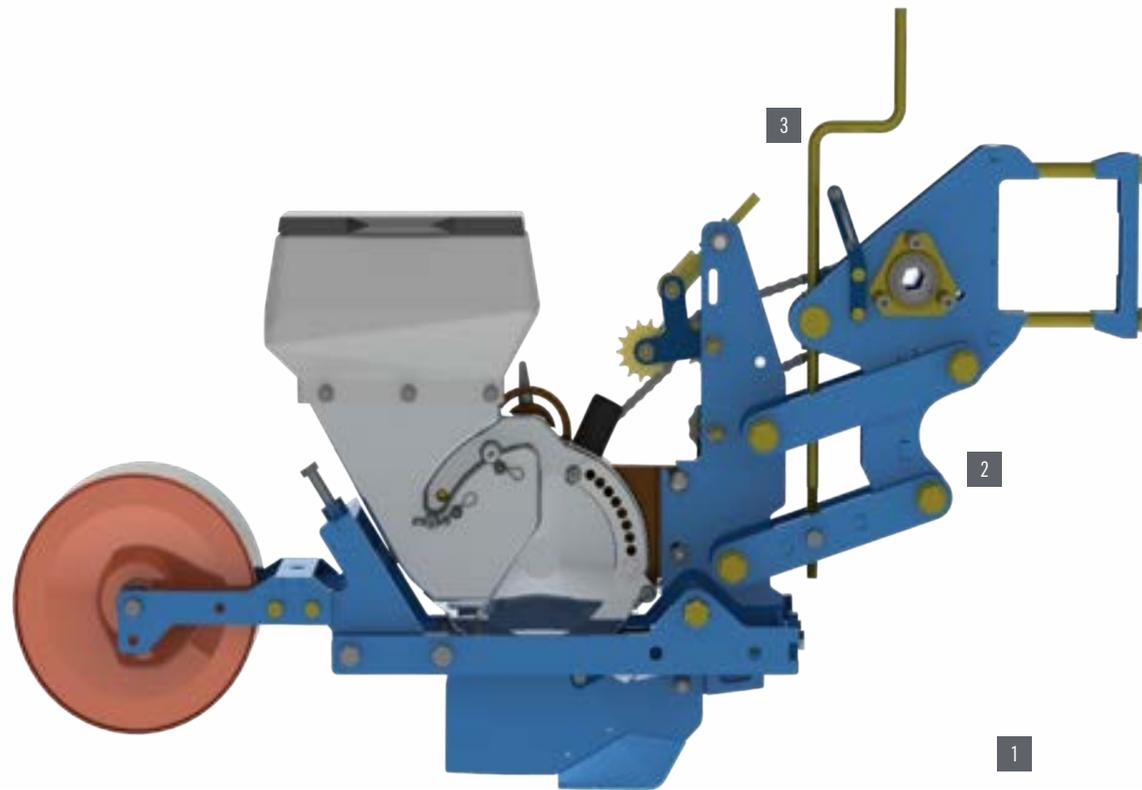


3" min. w/ 3L hopper		5.75" min. w/ 3L hopper
2.75" min. w/ 1.5L hopper		5.25" min. w/ 1.5L hopper
w/ dual rows		w/ single row

# ROW UNIT

## MS-G

The MS-G is specially designed for use in planters being mounted in sleds. Has non-floating linkage that allows the row unit weight to be held by the toolbar instead of the press wheels. Popular in the southwest of the US.



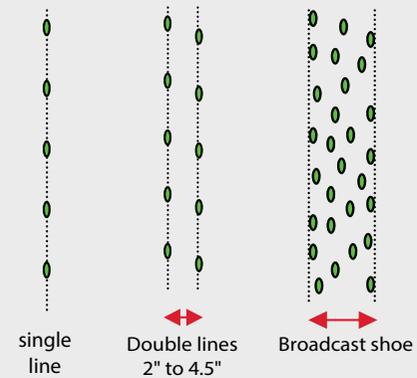
### STANDARD EQUIPMENT

- 1 No front press wheel
- 2 Non-floating linkage
- 3 Screw adjust depth control
- 4 Standard shoe (other options available)
- 5 No intermediate hiller
- 6 10" tall and 4" wide stainless steel press wheel (press wheel can be completely raised up if needed)

### INTER-ROW SPACING



### PLANTING TYPE



# ROW UNIT

## MS-V

The MS-V is designed for minimum-till and light residue planting. Double disc opener design cuts through trash to allow shoe to create seed trench.



7

6

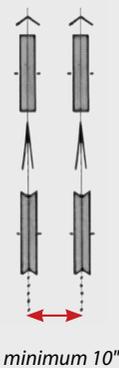
4

2

### STANDARD EQUIPMENT

- 1 Adjustable Double Opener Discs w/ Wheels
- 2 12" tall x 2.5" wide front wheels
- 3 Additional pressure spring
- 4 Standard shoe
- 5 Depth Adjustment
- 6 Intermediate press wheel
- 7 V-press closing wheel unit

### INTER-ROW SPACING



### PLANTING TYPE

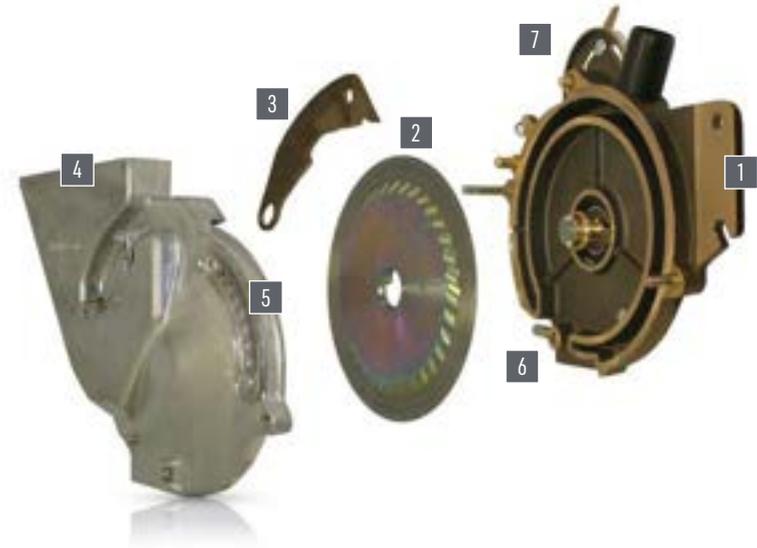




# METERING SYSTEM

*To achieve quality planting,  
you need a good metering system*

That's why Monosem has harnessed all its expertise to offer you an accurate, simple and highly reliable metering system. The Monosem metering system exhibits **manufacturing quality** that has earned it a **global reputation**. Accept nothing less than this flagship Monosem product for your crops.



**METERING BOX**

*The precision-machined bronze metering box body creates a perfect seal with the disc without any risk of static electricity.*



**DISC**

*These 1mm thick discs are made of stainless steel. The agitator fixed to the disc strengthens the unit. Discs are easy to change tool-free. A full range of discs is available meeting all small-seed planting requirements.*



**SINGULATOR**

*The bronze singulator prevents any seed multiples. A spring on the cover holds the scraper perfectly in place against the disc for optimal metering, even with small seeds.*



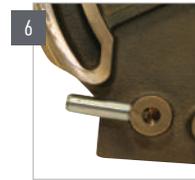
**COVER**

*The cast-iron cover is specially designed for planting with minimal seed reserves. A fibre seal ensures leak-tightness between the disc and cover.*



**INSPECTION WINDOW**

*The metering system is highly accessible, both for adjustments and monitoring. A transparent window can be used for monitoring metering after the singulator.*



**SECONDARY AIR CLEANING**

*After seeds have dropped, a jet of air removes any dust and seed residue that may still be stuck in the disc holes.*



**METERING ADJUSTMENT**

*Metering is adjusted using just one highly accessible lever on top of the boxes. Due to the quality and precision offered by MS metering boxes, it is possible to apply identical settings to all metering units.*



**(OPTIONAL) DOUBLE-LINE PLANTING**

*MS metering boxes are capable of both single and double-line planting. Switching between these two options merely involves changing a single-line shoe for a double-line shoe, changing a disc with one line of holes for a disc with two lines of holes, and adding a second singulator.*

# METERING SYSTEM

## Seed types

### *Additional Seed types*

*Red Beets, Broccoli, Carrot (raw, encrusted, pelleted), Cauliflower, Cucumber, Lettuce (raw, pelleted, film coated), Tomatoes, Onions (raw, pelleted, encrusted), Parsley, Parsnip, Peppers and many others....*

CARROT



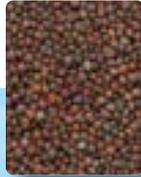
CELERY



CHICORY



CABBAGE



SPINACH



FENNEL



LETTUCE



MELON



TURNIP



ONION



RADISH



# EQUIPMENT OPTIONS

*Monosem supplies a wide variety of equipment that adapts perfectly to your planting conditions. Based on our experience, we can help you choose the equipment you need.*



### **FLAT WHEEL WITH STAINLESS-STEEL TIRE**

This is ideal for non-sticky, sandy conditions, flattening the soil to ensure seeds are properly pressed.



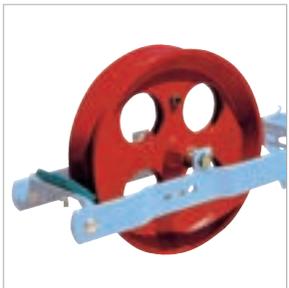
### **FLAT WHEEL WITH SELF-CLEANING TIRE**

This is best suited to sticky or slightly damp conditions, as it improves seed-soil contact.



### **CAGE WHEEL**

This is used for closing the furrow and is ideal in dry conditions or for caked soil.



### **CONCAVE WHEEL**

The ideal accessory for closing the furrow in dry conditions.



### **TIRE FOR CONCAVE WHEEL**

Fits to the concave wheel, adapting it to damper conditions.



### **STANDARD SHOE**

4.5" tall shoe, capable of planting 1/2"-1" deep.  
(Compatible with sensors.)



### **V-DRAG BAR**

Can be used instead of hillers.  
Less aggressive way of covering seed.  
Usually used in lighter soils.



### **LOW PROFILE SHOE**

Short profile reduces seed drop  
by 1" compared to standard shoe.  
(Not compatible with sensors.)



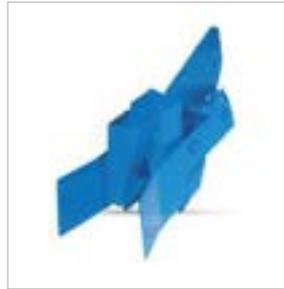
### **SPREADER SHOE WITH WIDE PRESS WHEEL FOR PLANTING IN STRIPS**

Ideal for planting in 2.5" or 4" wide strips.



### **NARROW SHOE WITH ROUNDED TIP AND SHORT WINGS**

Less aggressive than the pointed shoe, suitable for soft soils.  
(Compatible with sensors.)



### **DOUBLE-LINE SHOES**

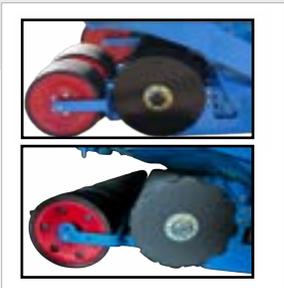
Allows two rows to be planted from a single meter.  
Fixed split-shoes with 2", 2.75", 4" and 5" spacing available.  
Adjustable split-shoes with 2.25" to 4.75" spacing available.



### **INTERMEDIATE PRESS WHEEL**

Rubber & Stainless Steel options available. Offers high-quality pressing and seed placement.

# EQUIPMENT OPTIONS



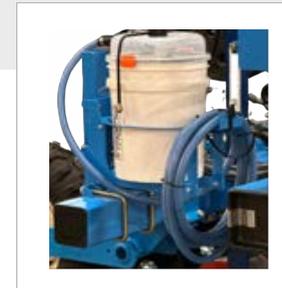
## DOUBLE DISC OPENERS

Designed to be used in minimum-till, double disc openers can be added to MS-A, MS-B, and MS-D to help cut through light residue. (Straight & Notched Blades Available)



## BED SHAPING ROLLER

10" & 13" diameter rollers available with optional bed shaping collars. Rollers help flatten tops of beds. Collars help firm sides of bed and keep planter centered on the bed.



## 5-GALLON SEED CLEAN-OUT VACUUM SYSTEM

Larger size than the standard system. Great for larger planters.



## SYNC-ROW TIMING

System designed to maintain the staggered seed drop and create the diamond pattern. Pattern allow each plant the maximum potential to moisture, sunlight and nutrients.



## SHOE MOUNTED LIQUID TUBE

Liquid fertilizer placement tube. Places starter fertilizer on top of the seed.



## SECONDARY AIR SYSTEM (STANDARD)

Great for planting small light seeds such as carrots and lettuce. Helps clean out plugged disc holes.



# FRAME COMPONENTS MS

MS planters are built with 5"x5" frames. This frame type used in conjunction with a **special system for attaching metering units and planter components** offers a wide choice of assemblies, spacings and equipment.

MS planters built with stacking frames utilize a 7x7 stacking toolbar attached to the MS 5x5 toolbar to increase rigidity.

## → CLAMP-BASED UNIT ATTACHMENT SYSTEM

The clamp-based unit attachment system ensures that units are safely and securely attached. If required, units can be moved to adjust inter-row spacing by loosening the clamps. This attachment system removes any risk of units sliding sideways during work.

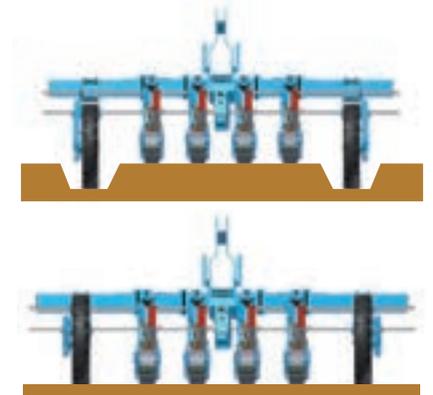


### 1 HEIGHT-ADJUSTABLE DRIVE WHEEL UNITS

On Monosem planters, all the wheels drive the seed discs. This ensures that the drive system operates smoothly, thus increasing planting consistency. Equipped with a slip clutch reducing stress on the seed discs on bends. Adjustable drive wheel units are equipped with a height adjustment system.



Screw-adjustable drive wheel unit with 5.90 x 15 wheel



The height-adjustable drive wheel units allow you to work on flat ground or raised beds.

## 2 SEED SPACING GEARBOX

Depending on the required inter-row spacing, the seed spacing gearbox for MS planters can be positioned centrally, to the rear, or integrated in the drive wheel unit. These 16-ratio seed spacing gearboxes allow precision seed population adjustment.



Central seed spacing gearbox  
Minimum inter-row spacing (1): 13in.

(1) Minimum inter-row spacing for a seed spacing gearbox positioned between 2 units (depending on equipment used)



Rear seed spacing gearbox  
Minimum inter-row spacing (1): 8in.



End mount transmission  
No minimum inter-row spacing

## 3 TURBOFAN

Monosem turbofans are quiet, reliable, efficient and ensure consistent vacuum pressure for optimal metering. Our turbofans are equipped as standard with 12 outlets and are driven by a power take-off shaft operating at 540 rpm. Drives with PTO shafts operating at 450 rpm and 1,000 rpm and a hydraulic motor drive is standard. But PTO drive is also available. An optional flow control valve is available for open center tractors.



## 4 Seed Vacuum

MS planters are supplied as standard with a seed suction device enabling you to quickly and easily collect any seeds remaining in the bottom of the metering boxes. All the seeds are collected in a clear container.

**Optional 5-gallon system for larger planters**



Standard turbofan

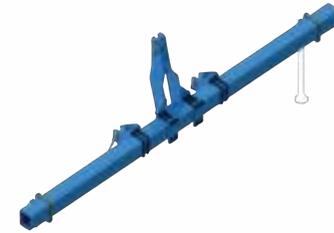


High-output turbofan



Extra High-output turbofan

# RIGID FRAMES



## 5x5 Standard Hitch

Free Link CAT II & III  
Not Quick Hitch Compatible.  
PTO or Hydraulic Drive Turbofan



## 5x5 MS Hitch

Free Link CAT II  
Not Quick Hitch Compatible.  
PTO or Hydraulic Drive Turbofan



## 5x5 Hitch Combo

Free Link CAT II & III  
Quick Hitch CAT II, III & 3N  
Hydraulic Drive Turbofan Only



## 5x5 Double Toolbar Hitch

Free Link CAT II  
Quick Hitch CAT II & III  
PTO or Hydraulic Drive Turbofan



## 5x5 Advanced Hitch

Free Link CAT II  
Not Quick Hitch Compatible.  
PTO or Hydraulic Drive Turbofan

# STACKING FRAMES



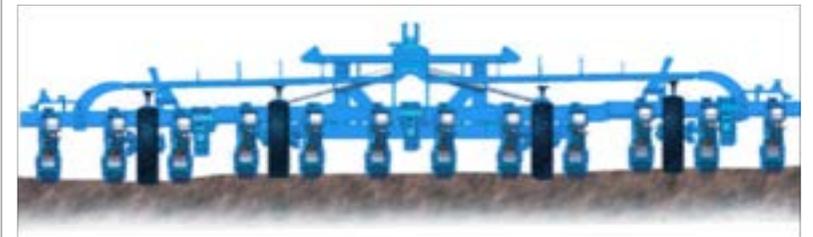
## Stacking Toolbar

Quick Hitch CAT III & IV

Free Link CAT III & IV

Hydraulic Drive Turbofan Only

Stacking Frames are 7x7 frames that set back to 5x5



Stacking Toolbars feature floating wings with wheels. This feature allows them to follow ground contours seamlessly.

# THE MAIN MS DISCS

## THE MAIN DISCS

Number of holes		On-row spacing (Seed spacing gearbox and standard sprockets)	Hole diameter (mm)
Single-row disc	Double-row disc		
18	2 x 18	5" to 15"	0.5 - 0.6 - 0.65 - 0.7 - 0.8 0.9 - 1 - 1.2 - 1.5 - 1.8 2-2.5
30	2 x 30	3" to 9"	
36	2 x 36	2.5" to 7.5"	
60	2 x 60	1.5" to 4.5"	
72	2 x 72	1.25" to 3.75"	
120	2 x 120	.75" to 2.25"	0.5 - 0.6 - 0.65 - 0.7 - 0.8 0.9 - 1 - 1.2 - 1.5 - 1.8
180	2 x 180	.5" to 1.5"	

Contact us for details of all special seed populations and hole diameters (double lines, hill dropping, etc.)



Hole diameter (mm)	Seed type (provided only as a guideline)
2.5	Wheat, Pelleted Sugarbeet, Safflower, Barley, Rice
2.2	Chard, Pelleted Lettuce
2	Asparagus, Sugarbeet, Beetroot, Pelleted Fennel, Pelleted Onion, Parsnip, Encrusted Onion
1.8	Cucumber, Spinach, Lentil, Melon, Radish, Black Radish, Cilantro
1.7	Gherkin
1.5	Paprika
1.2	Pelleted Carrot, Cabbage, Coriander, Raw Onion, Radish, Tomato, Cauliflower, Parsnip
1	Broccoli, Unpelleted Fennel, Mustard, Pepper, Swede, Sesame
0.9	Shallot, Turnip
0.8	Lambs Lettuce, Poppy
0.7	Basil, Raw Carrot, Chives, Parsley, Rocket, Pennycress
0.65	Chicory, Endive
0.6	Djulis, Anise, Film Coated Lettuce
0.5	Celery, Unpelleted Lettuce

\*Custom Seed Discs Available Upon Request



## EQUIPMENT MEETING EVERY NEED



### **Microsem**

For flawless application of your microgranules



### **Fertilizer units**

We have the solution to apply precisely the required rate

# MICROSEM

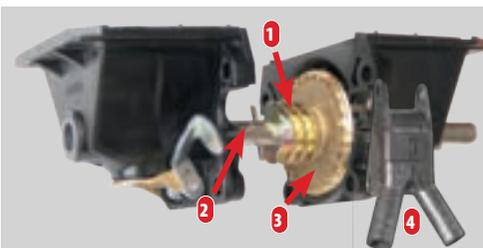


The auger-operated Microsem system ensures **even application of microgranules** of all types, whether insecticides or molluscicides.

With its simple design, it is easy to use and highly reliable. The **versatile** Microsem system is compatible with most microgranulated products on the market.



## MICROSEM INSECTICIDE



Microsem uses an auger-based system to distribute products. The microgranules contained in the hopper are taken up by 2 augers (1). Agitators (2) ensure an even supply to these augers. A finger wheel (3) then distributes the product consistently to the drop lines (4).

## MICROSEM ADJUSTMENT



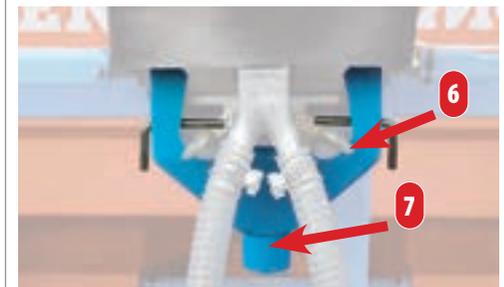
A 3-level gearbox is used to adjust the microgranulators. It offers a wide range of settings (40 ratios) to meet most requirements.

## DROP LINES



The Microsem insecticide drop line (5) is positioned just behind the shoe so that products are applied in the seed line.

## EMPTYING HOPPERS



Microsem hoppers have a capacity of 20L. Using the hatches (6) and chute (7), it's quick and easy to empty any remaining product.

# FERTILIZER UNITS



Monosem supplies hoppers of different capacities with a number of outlets tailored to your planter, enabling **localized dry fertilizer placement during planting.**



## HOPPERS

Monosem supplies MS planters with plastic hoppers available in three capacities:

- 222 lb. hopper with 1 outlet
- 400 lb. hopper with 2 outlets
- 600 lb. hopper with 3 outlets

Fertilizer units can only be mounted on rigid frames.

## FERTILIZING OPENERS

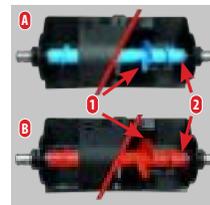


Knife Opener



Double Disc Opener

## AUGER-BASED METERING



Fertilizer is evenly distributed using a system combining auger-based metering (1) and agitators (2). Stainless-steel augers with different pitches are available, ensuring that exactly the required quantity is metered.

The "standard" augers (A) are blue and meter 68 to 290 lbs/ac of fertilizer at inter-row spacing of 15in. The "high-output" augers (B) are red and meter 160 to 450 lbs/ac of fertilizer at inter-row spacing of 15in.

## LIQUID FERTILIZER TANKS



Multiple sizes of liquid tanks available

# SEED MONITORING

Precision planter specialist Monosem supplies a wide range of seed monitors. With functions ranging from seed drop monitoring to seed counting and seed spacing data display, you're sure to find a monitor that meets your requirements.

## DM-5150 Flow Monitor

- 7-inch color touchscreen for clear visibility
- Easy-to-read bar graph display for each row
- Audible and visual blockage alerts
- Auto-detecting row sensors
- Simple plug-and-play installation
- Day/night display modes



## DM-5750 Population Monitor

- 7-inch color touchscreen for clear visibility
- Real-time population counts
- Singulation percentages
- Ground speed monitoring
- Area coverage tracking
- System diagnostics
- Day/night display modes



## IntelliAg ISO6

- Hydraulic drive system control
- ISO compatible: works with in cab monitors
- Control up to 4 hydraulic motors
- Manual or auto section control
- Up to 48 rows
- Singulation monitoring
- Monitoring only option for ground drive



## SeedStar2

- Control up to 3 hydraulic drive motors
- Variable rate
- Prescription mapping
- Row population/spacing
- Average population
- Acres counter
- Monitoring only option for ground drive
- Works only with John Deere monitors
- John Deere Operations Center™ Intergration



### HYDRAULIC CONTROL

Hydraulic motors can be used instead of ground drive gearboxes. This system enables the seed population to be adjusted in cab using the tractors display screen. Compatible only with ISO6 & SeedStar™2.



### SEEDWATCH MINI SENSOR

The SeedWatch Mini sensor is the next step in seed sensing technology. Capable of monitoring single or dual line from a single MS meter. Capture data even on the smallest of seed (ex. raw onion) Detects up to 100 seeds/sec

# SEEDWATCH MINI

## *A watchful eye over the furrow*

→ The **SeedWatch Mini Sensor** is the next step in seed sensing technology. It offers a **comprehensive** and **reliable analysis** of **seed flow**.

- + Accurate data fed back in real time to the cab
- + High-precision documentation of agronomic data (when paired with SeedStar™ 2)

## *Precision like never before*

→ Compared to the legacy 3-eye sensor, the SeedWatch Mini 13-eye sensor setup offers improved seed detection, dramatically reducing missed counts and improving accuracy across all seed types.

## *Integration with existing Monosem monitoring systems*

- SeedWatch Mini works with all current market Monosem monitoring systems.
- SeedStar M
  - SeedStar™2
  - Intelli-Ag WSMB & ISO6
  - Monosem Flow & Population monitors
- Upgrading to SeedWatch Mini only requires the purchase of the SeedWatch Mini sensor, SeedWatch shoe and adapter harness.



# ELECTRIC DRIVE MS ELECTRON

CHECK OUT OUR SEPERATE MS ELECTRON  
LITERATURE FOR MORE INFORMATION

FI FOTRON  
SMALL SEEDS **NEED HIGH TECHNOLOGY TOO**  
LLLU I I I U I N



## 6 KEY POINTS THAT MAKE ALL THE DIFFERENCE

#1

### **EVERY SEED MONITORED**

The new **SeedWatch mini SENSOR** ALLOWS  
**ACCURATE COUNTING IN REAL TIME**

#2

### **EVERYTHING IN EASY REACH**

Monitor performance in real time  
with **SeedStar M**

#3

### **SMALL SEEDS, BIG PROGRESS**

Seeds planted only where necessary

#4

### **LESS TO THINK ABOUT**

Save your data to create outstanding  
documentation

#5

### **MORE THAN JUST SEEDS**

The **MicroSmart** system offers your seeds  
optimal protection and nutrition

#6

### **QUICK TO OPEN**

Easy opening of the metering box allowing an  
optimized work rate

# MS ELECTRON



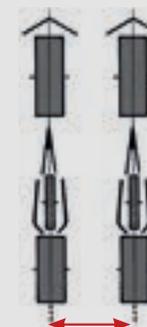
## STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 300mm x 100mm self-cleaning front wheel
- 3 Standard narrow shoe
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring
- 5 Adjustable and individually retractable intermediate hillers
- 6 250mm x 120mm rear cage wheel

## MS ELECTRON EQUIPMENT

- 7 Redesigned cover locks
- 8 SeedWatch Mini sensor
- 9 56V Monosem Smart Motor
- 10 Row control module
- 11 Belt drive

## INTER-ROW SPACING



At least 8in.

## PLANTING TYPE



Single line



# THE KEYS TO SUCCESS



## EXPERTISE



### CHOICE

Covering all requirements with the market's most comprehensive product range. This gives you a large choice of inter-row-spacings, frames and metering units for planting all seed types. For any specific enquiries, contact our Sales Department to custom-build a planter tailored precisely to your needs.



### ADVICE

Provided by a team of experienced technical sales staff who are on hand at all stages of your machine's service life, from assessing your needs to starting up your planter and delivering after-sales service.



### RESPONSE TIMES

Minimized when sending your spare parts, as we are well aware of just how important it is to plant in optimal conditions.



### INNOVATION

A 75-year track record of supplying products tailored to new practices.

## QUALITY



### TECHNOLOGIES

Tried and tested to enable simple and accurate use of machines:

- GPS-guided row cut-offs
- In-cab seed population management
- Electric drive



### TESTING

Carried out meticulously at each stage of manufacturing. The metering components undergo dynamic checks in addition to systematic checks of the metering boxes.



### COMPONENTS

Carefully selected to maximize the strength, precision and service life of our machines. Cast-aluminium, not plastic, is used to make our metering boxes.



### RESALE

At high prices reflecting the manufacturing quality, durability of equipment, and availability of spare parts.

# FOR OPTIMAL PERFORMANCE

## → **PRECISION PLANTING**

A versatile metering system capable of planting multiple seed types with the same precision. A V-shaped furrow fixing seeds in position to retain the placement consistency managed by the metering system. Optimal planting due to equipment tailored to your planting conditions.

## → **CONSISTENT AND RAPID EMERGENCE**

Quality pressing and flawless furrow closing in all conditions, ensuring optimal germination, rapid emergence and uniform plant development.

## → **OPTIMIZED YIELD**

By choosing high-quality, appropriate equipment and using it correctly, you can ensure successful planting which leads to a successful harvest.



# MONOSEM

Enhanced precision

1001 Blake St. Edwardsville, Kansas 66111 - United States

(913) 438-1700



Reference no.: MS1-EN 09/2025

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

*All the information concerning the different types of equipment, including external appearance, weight and dimensions, was correct at the time of printing and may vary from country to country. The information may be modified by us without prior notice. This document may not be regarded as a binding in any way. Your Monosem dealer will certainly notify you of any changes. To illustrate this document, certain protective devices may have been removed from equipment.*

*However, this remains exceptional. As indicated in the user instructions, these devices should never be removed.*



Monosem is committed to the environment