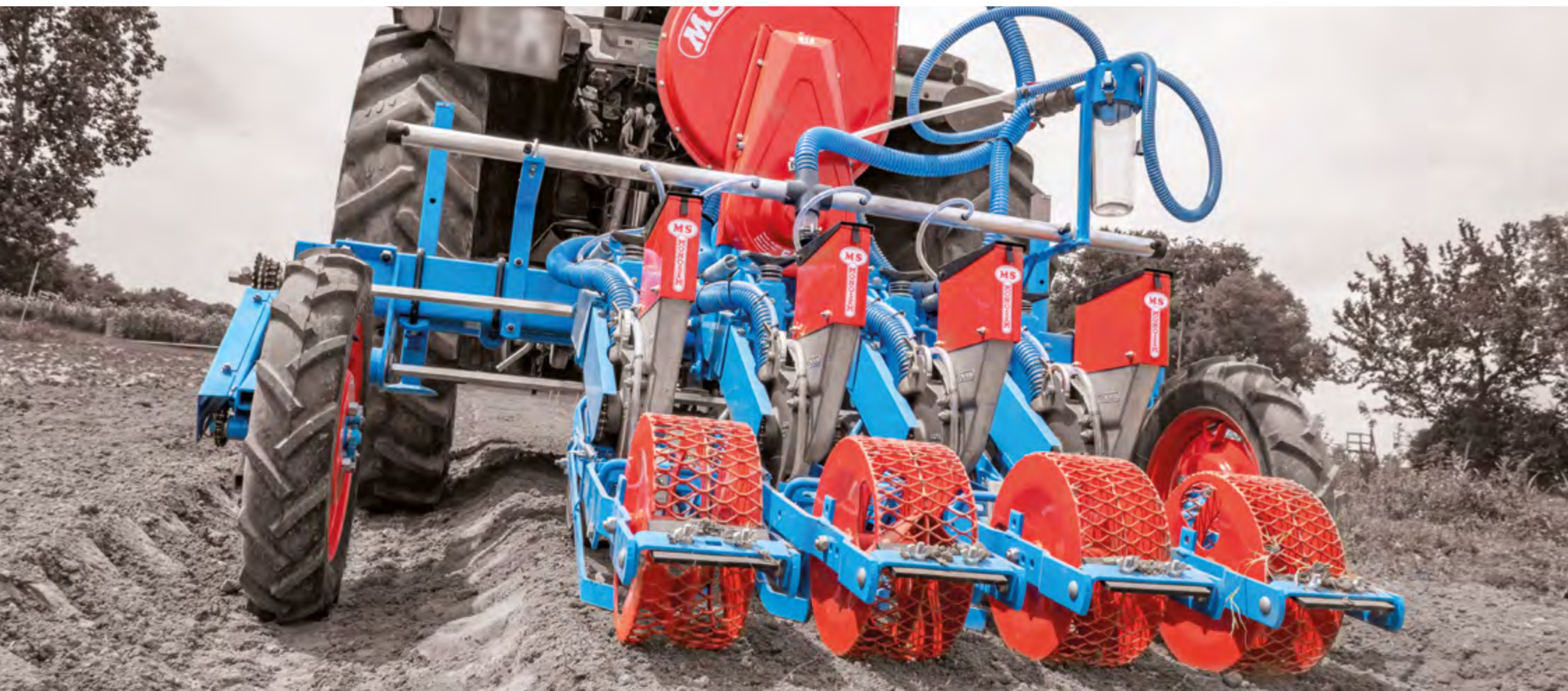


MS PLANTER

By Monosem for vegetable growers



MONOSEM FOUNDING PRINCIPLES

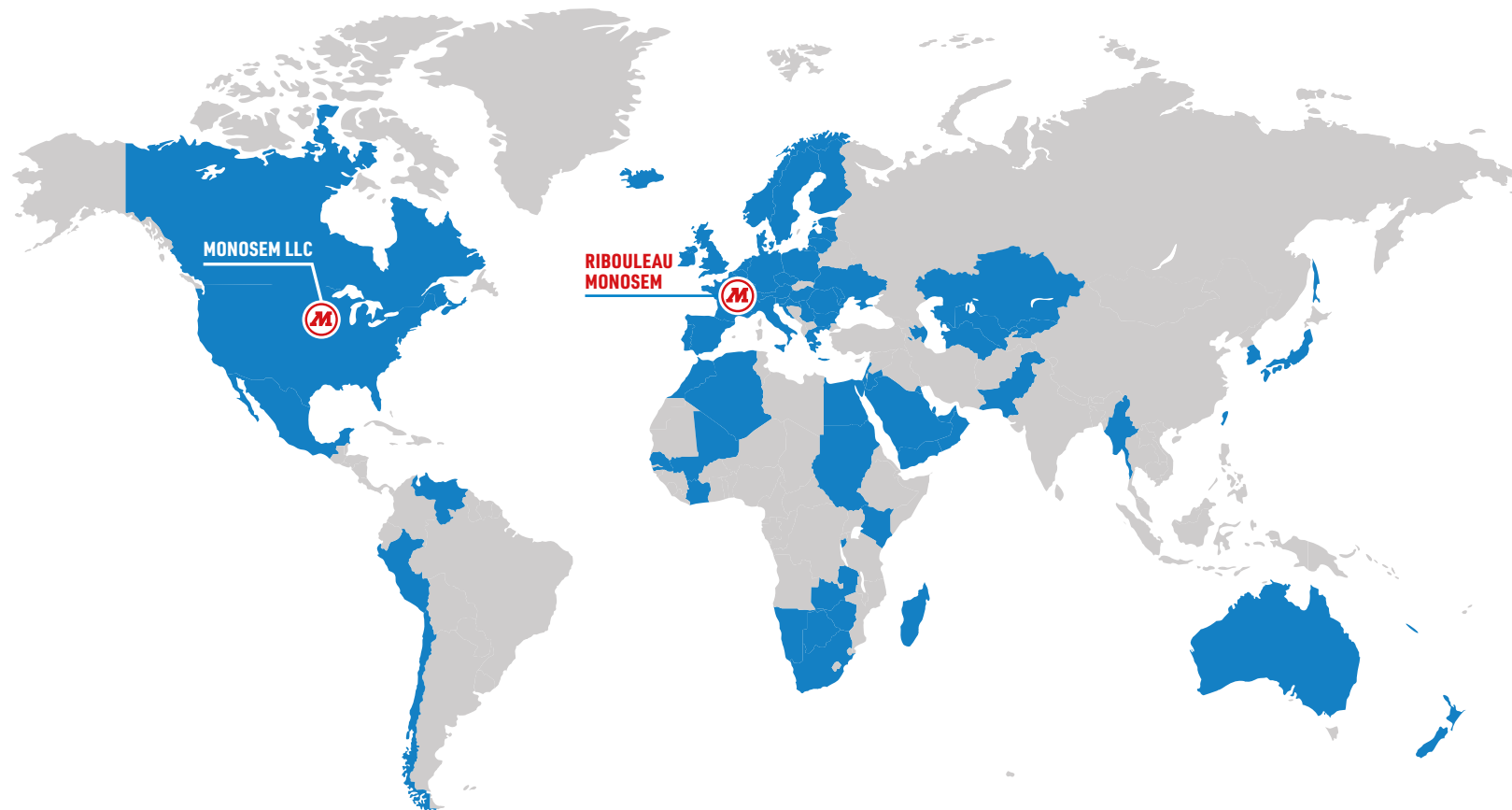
Seed planting is an investment and a crucial step in ensuring crops reach their full potential. Many farmers in over **80 countries** worldwide have chosen to rely on **Monosem** technology.

We can now boast over 75 years of shared history.

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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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
Traditional



NUMBER OF ROWS
2 to 30 rows



INTER-ROW SPACING
14 to 190 cm



CROP TYPES
Vegetable crops (lettuce, onion, carrot, endive, etc.)



DRIVE
Mechanical or hydraulic



PRESSURE SYSTEM
Double springs + Relief spring (optional)



PRESS WHEEL
Intermediate press wheel (according to model)

1,5L

HOPPER
1.5L seed hopper (3L optional)



ASSISTED ADJUSTMENT SYSTEM EasyAdjust mobile app



ASSISTED PLANTING SYSTEM /



DATA FEEDBACK /



ISOBUS /



SAVINGS ON INPUTS
Seed monitor enables row-by-row cut-offs



FERTILIZER/MICROGRANULES
Microsem + Fertilizer



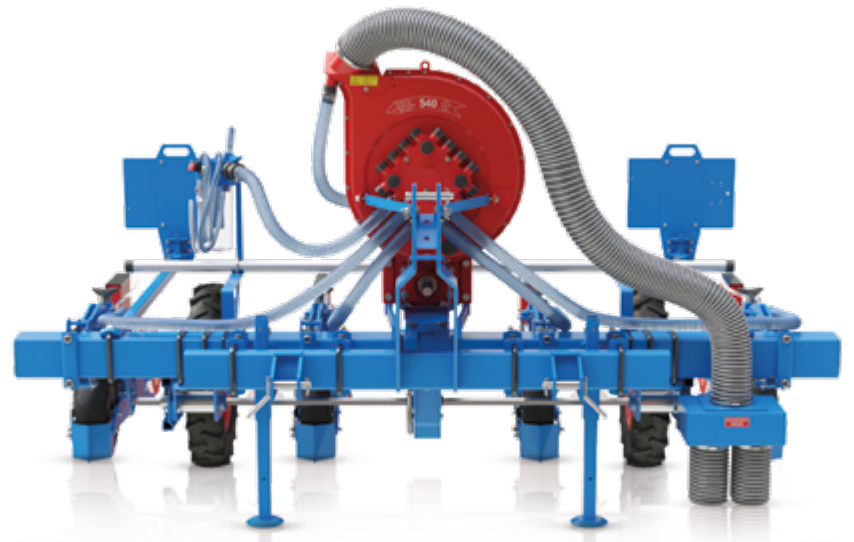
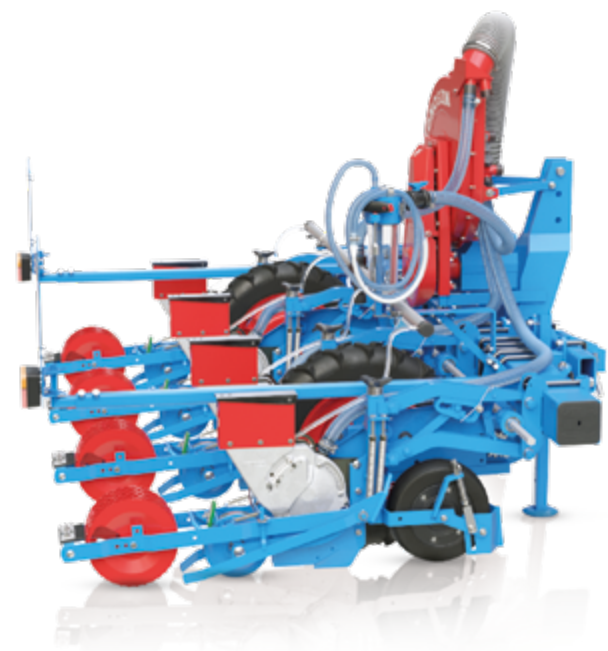
PLANTING
Shoe (single line, double lines or spreader shoe)



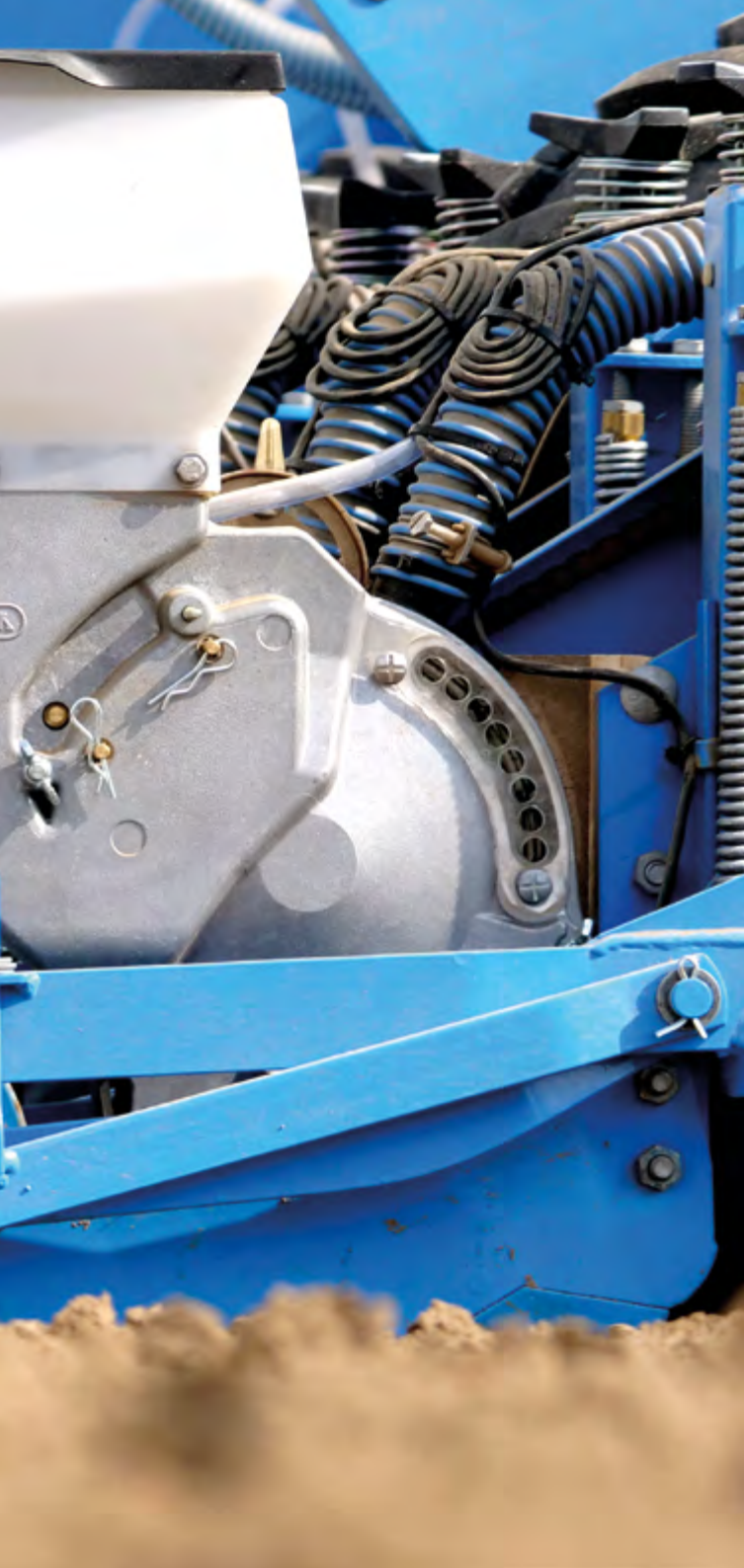
FRAME
5-inch frame



PRECISION FROM EVERY ANGLE







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 and endive 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 pressing**
- **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.



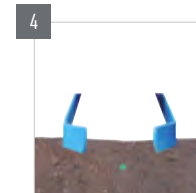
SHOE

The shoe opens the furrow (or furrows) at a depth defined by the front gauge wheel. In the MSV version, the shoe is fitted with double opener discs that make it easier to work in more challenging conditions.



INTERMEDIATE PRESS WHEEL

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



SCRAPERS

Scrapers (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 MSV version, two self-cleaning wheels close the furrow.

PLANTING TYPES

SINGLE LINE

PLANTING TYPE ↓



INTER-ROW SPACING ↓

14 to 20 cm

20 cm and +

METERING UNIT ↓

MS B or B2:
1 line
per box

MS A
MS B or B2:
1 line
per box

DOUBLE LINE

PLANTING TYPE ↓



50 or 70 mm



80 to 110 mm

INTER-ROW SPACING ↓

20 cm and +

26 cm and above

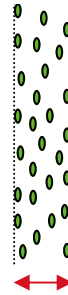
METERING UNIT ↓

MS C:
2 lines
per box

MS D or D2:
1 line
per box

STRIP

PLANTING TYPE ↓



67 to 100 mm

INTER-ROW SPACING ↓

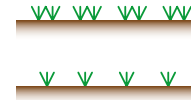
20 cm and +

METERING UNIT ↓

MS A or MS C:
1 strip
per box

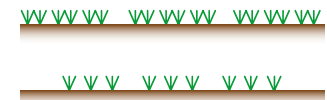
→ EXAMPLES OF PLANTING ON FLAT GROUND

STANDARD



Standard planting

RAISED BEDS



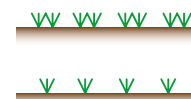
Planting one raised bed per pass



Planting 3 raised beds per pass

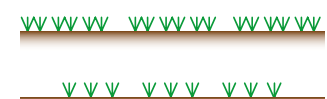
→ EXAMPLES OF PLANTING ON MOUNDS OR RIDGES

STANDARD



Standard planting

RAISED BEDS



Planting one raised bed per pass

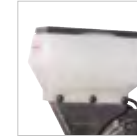


Planting 3 raised beds per pass

METERING 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 1.5L hopper extension. If required, units can be supplied without an extension or with a 3L 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.



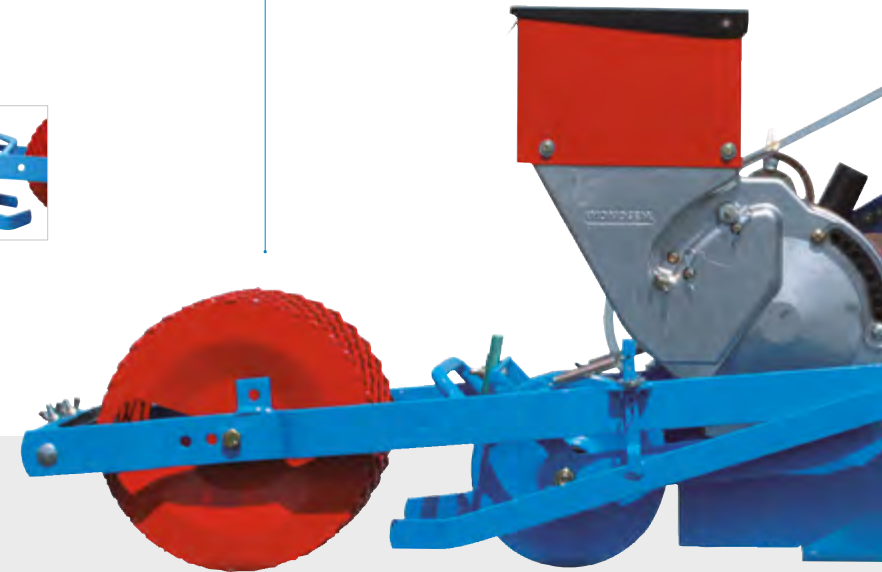
Scrapers

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



Pressure-adjustable intermediate press wheel

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





(Optional) Relief spring
For soft soils with low load-bearing capacity, a double adjustable relief spring helps relieve the metering unit.



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

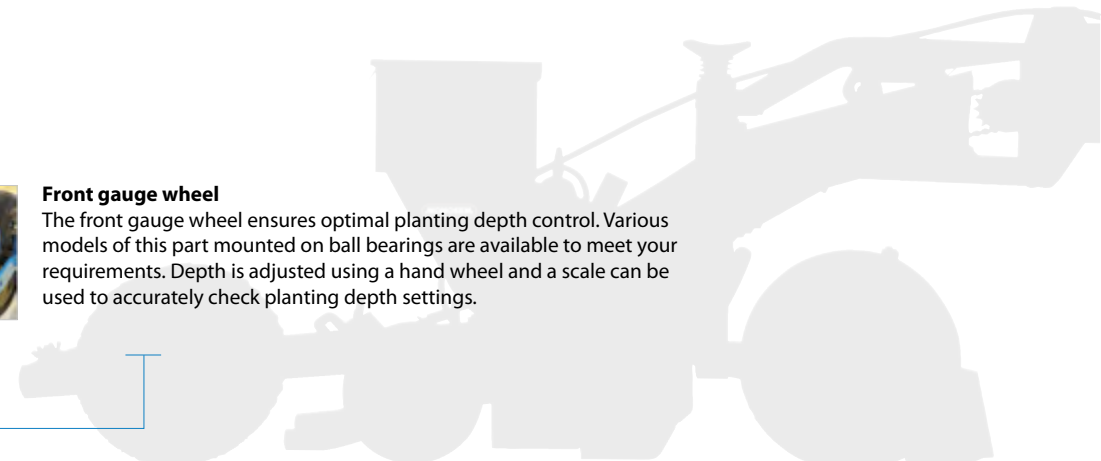
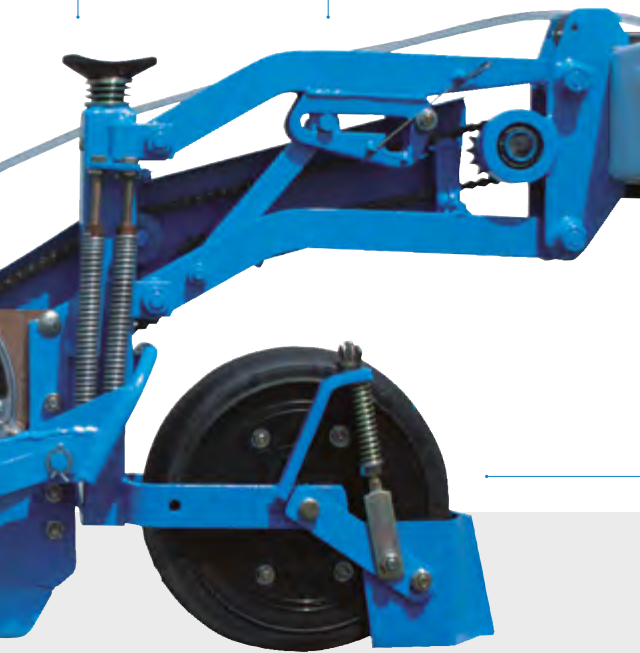


Front gauge wheel
The front gauge wheel ensures optimal planting depth control. Various models of this part mounted on ball bearings are available to meet your requirements. Depth is adjusted using a hand wheel and a scale can be used to accurately check planting depth settings.



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
- Rounded tip, short wings, extended wings, etc.



METERING 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

3

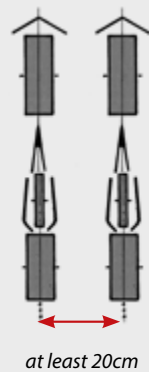
2

1

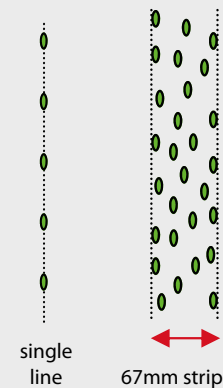
STANDARD EQUIPMENT

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

INTER-ROW SPACING



PLANTING TYPE



METERING 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

6

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4

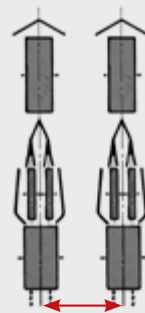
3

2

STANDARD EQUIPMENT

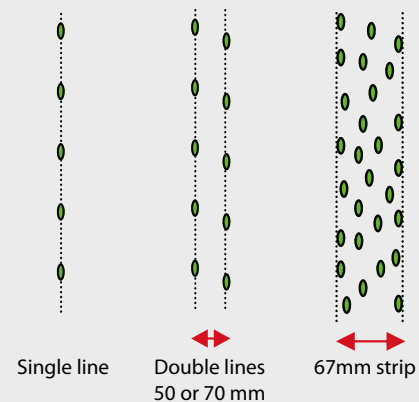
- 1 Adjustable clod remover
- 2 300 x 100 self-cleaning front wheel
- 3 Twin shoe clod remover
- 4 Double-line shoe with 70mm spacing (50mm optional)
- 5 Narrow twin intermediate press wheels with stainless-steel tires, plastic scrapers and adjustable pressure springs
- 6 Adjustable and individually retractable intermediate scrapers
- 7 250 x 120 rear cage wheel

INTER-ROW SPACING



at least 20cm

PLANTING TYPE



Single line

Double lines
50 or 70 mm

67mm strip

METERING UNITS

MS B / B2



6

5

4

3

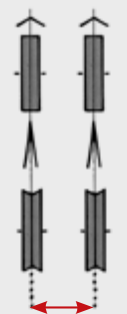
2

1

STANDARD EQUIPMENT

- 1 Clod remover
- 2 285 x 65 self-cleaning front wheel
- 3 Narrow pointed shoe with short wings
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring (incompatible with MS B unit)
- 5 Intermediate scraper (incompatible with MS B unit)
- 6 Cast-iron concave rear wheel with self-cleaning flexible tire

INTER-ROW SPACING



at least 14 cm

PLANTING TYPE



single line

METERING UNITS

MS D / D2



6

5

4

3

2

1

STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 250 x 170 front wheel with self-cleaning tire
- 3 Narrow pointed shoe with short wings
- 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 scrapers
- 6 250 x 170 rear wheel with self-cleaning tire

INTER-ROW SPACING



at least 26 cm

PLANTING TYPE

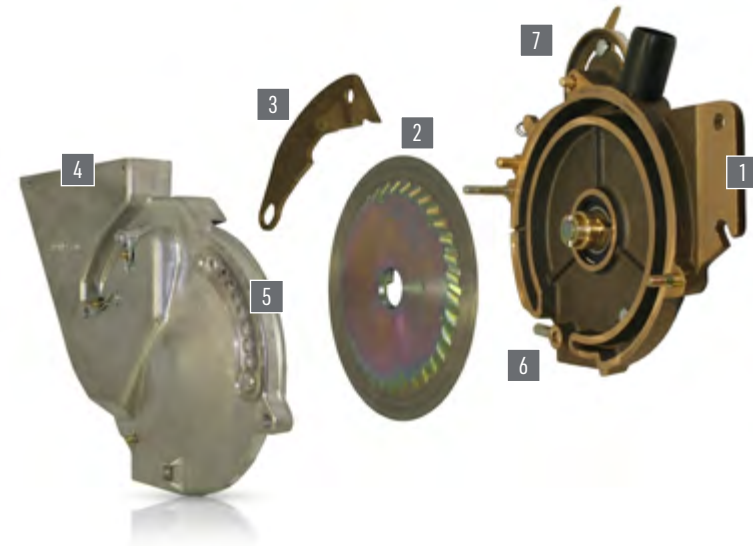


80 or 110mm double lines

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.



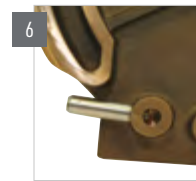
COVER

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



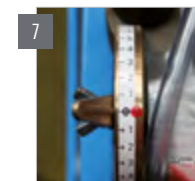
INSPECTION WINDOW

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



AIR JET 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.

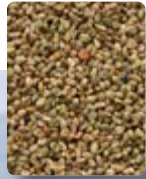
METERING SYSTEM

Seed types

CARROT



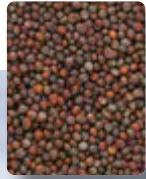
CELERY



CHICORY



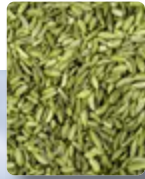
CABBAGE



SPINACH



FENNEL



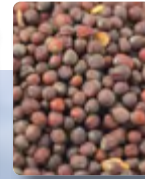
LETTUCE



MELON



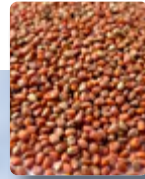
TURNIP



ONION



RADISH



MAIN EQUIPMENT ITEMS

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.



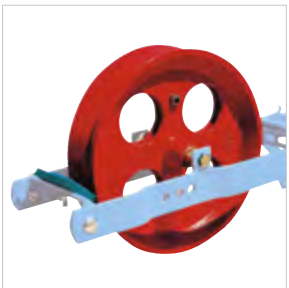
FLAT WHEEL WITH SELF-CLEANING TIRE

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.



NARROW POINTED SHOE WITH EXTENDED WINGS

Keeps the furrow open in soft soils to improve seed pressing. Incompatible with a press wheel.



TIRE FOR CAGE WHEEL

This item makes it easier to use the cage wheel in slightly damp conditions.



NARROW SHOE WITH ROUNDED TIP AND EXTENDED WINGS

This is less aggressive than the pointed shoe, keeping the furrow open in soft soils. Incompatible with a press wheel.



SPREADER SHOE WITH WIDE PRESS WHEEL FOR PLANTING IN STRIPS

Ideal for planting in 67 or 100mm-wide strips.



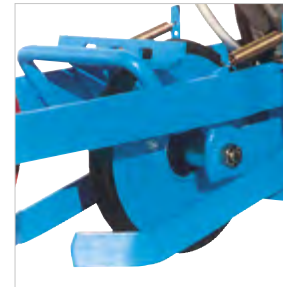
NARROW SHOE WITH ROUNDED TIP AND SHORT WINGS

Less aggressive than the pointed shoe, suitable for soft soils.



DOUBLE-LINE SHOE WITH PRESS WHEELS

Allows two rows to be planted 50 or 70mm apart with just one metering box. Only available for the MS C.



INTERMEDIATE PRESS WHEEL WITH FLEXIBLE SELF-CLEANING TIRE

An essential item for re-pressing seeds in damp conditions.

FRAME COMPONENTS MS

MS planters are equipped with TIP 5" 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.

→ 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. Three types of drive wheel units are available. All of them are equipped with a slip clutch reducing stress on the seed discs on bends. Drive wheel units are equipped with a height adjustment system and are supplied with narrow wheels (500 x 15) (except the screw-adjustable drive wheel unit).



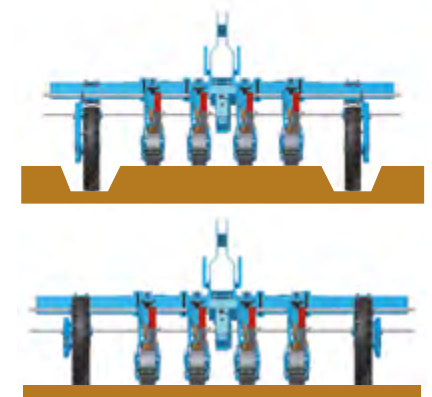
Adjustable drive wheel unit with 500 x 15 wheel
Minimum inter-row spacing: 36 cm
Clearance: 25 cm



Adjustable drive wheel unit with 500 x 15 wheel and integrated seed spacing gearbox
Minimum inter-row spacing: 43 cm
Clearance: 25 cm



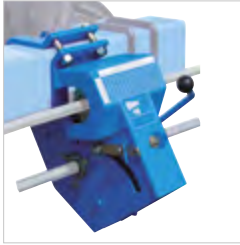
Screw-adjustable drive wheel unit with 6.5 x 16 wheel
Minimum inter-row spacing: 60 cm
Recommended for planting on ridges



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

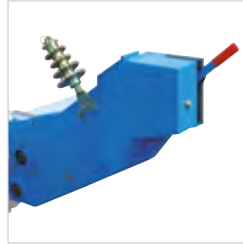
2 SEED SPACING GEARBOX

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): 33cm

(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): 20cm



Seed spacing gearbox combined with the drive wheel unit
Minimum inter-row spacing (1): 43cm

3 TURBOFAN

Monosem turbofans are quiet, reliable, efficient and ensure consistent vacuum pressure for optimal metering. Our turbofans are equipped as standard with 19 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 are also available as optional equipment. An optional universal joint with free wheel is also available.



4 SUCTION DEVICE

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 transparent pot.

Emptying the system is child's play with this suction device supplied as standard, avoiding any seed losses!



PLATFORM (OPTIONAL)

An optional planting inspection platform is available for MS planters. This 2.7m-wide platform is equipped with a handrail.



ROW MARKERS (OPTIONAL)

MS planters can optionally be fitted with row markers. Various models are available depending on the planter's fold type and width.



Hydraulic row marker with disc (version with shoe also available)



Folding hydraulic row marker with disc for folding frame (different models available depending on the frame type)

RIGID FRAMES



RIGID MONOBAR FRAME

The rigid Monobar frame can accommodate a bar measuring 2m to 3.8m. Up to 12 metering units can be installed on this simple and economical frame. It can be hitched to relatively lightweight tractors due to its reduced overhang and weight.



RIGID MONOBLOCK FRAME

The rigid Monoblock frame can accommodate a bar measuring 3m or 4.5m. This frame is particularly suitable for installing a fertilizer unit.



RIGID DOUBLE-BAR FRAME

The rigid Double-bar frame is designed to be heavy-duty and versatile. A bar length of 8.4m with space for 24 metering units is possible due to the double-bar configuration. This frame can also accommodate fertilizer units and an integrated transport carriage for lengthwise transport.

Frame	Rigid Monobar						Rigid Monoblock		Rigid double bar		
Bar length	2m	2,2m	2,6m	3m	3,5m	3,8m	3m	4,5m	6,1m	6,6m	8,4m
Maximum number of metering units	5	5	6	9	9	12	9	12	12	18	24
Minimum inter-row spacing	Dependent on unit type										
Number of "drive" wheel units	2	2	2	2	2	2	2	2	2	4	4
Number of seed spacing gearboxes	1	1	1	1	1	1	1	1	1	1	2
Transport width (with carriage)	-	-	-	-	-	-	-	-	2,5m	2,5m	2,5m

FOLDING FRAMES



Frame	Folding Compact Monobar		Folding Double bar	
	Bar length	5.8m	6.3m	6m
Maximum number of metering units	12	12	18	24
Minimum inter-row spacing	Dependent on unit type			
Number of "drive" wheel units	4	4	4	4
Number of seed spacing gearboxes	3	3	3	3
Transport width (with carriage)	3.5m (1)	3.5m (1)	3.5m (1)	3.7m (1)



RIGID MONOBAR FRAME

The rigid Monobar frame can accommodate a bar measuring 2m to 3.8m. Up to 12 metering units can be installed on this simple and economical frame. It can be hitched to relatively lightweight tractors due to its reduced overhang and weight.



FLOATING DOUBLE-BAR FOLDING FRAME

Up to 24 metering units can be installed on the floating Double-bar folding frame. Its folding system makes it easy to transport by road. The floating wings allow the planter to follow the ground contours seamlessly.



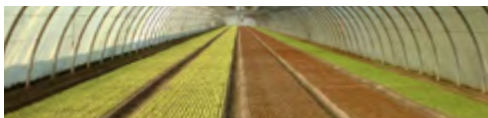
Compact folding frames and Double-bar folding frames include independent wings with wheel units. This feature enables them to follow the ground contours seamlessly. At the field ends or when finishing a field, either (or both) wing(s) can also be raised, which automatically stops metering.

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	12.3 to 32.7cm	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	7.4 to 19.6cm	
36	2 x 36	6.2 to 16.4cm	
60	2 x 60	3.7 to 9.8cm	
72	2 x 72	3.1 to 8.2cm	
120	2 x 120	1.8 to 4.9cm	0.5 - 0.6 - 0.65 - 0.7 - 0.8 0.9 - 1 - 1.2 - 1.5 - 1.8
180	2 x 180	1.2 to 3.3cm	

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
1.8	Cucumber, Spinach, Lentil, Melon, Radish, Black Radish
1.7	Gherkin
1.5	Paprika
1.2	Pelleted Carrot, Cabbage, Coriander, Unpelleted Onion, Radish, Tomato
1	Broccoli, Unpelleted Fennel, Mustard, Pepper, Swede, Sesame
0.9	Shallot, Turnip
0.8	Lambs Lettuce, Poppy
0.7	Basil, Pelleted Carrot, Chives, Parsley, Rocket, Pennycrest
0.65	Chicory, Endive
0.6	Djulis, Anise
0.5	Celery, Unpelleted Lettuce

MS TECHNICAL CHARACTERISTICS

Frame		Rigid											Folding			
		Monobar						Monoblock 125		Double bar			Compact		Double bar	
Width		2 m	2.2m	2.6m	3 m	3.5m	3.8m	3 m	4.5m	5.7m	6.6m	8.4m	6m	6.3m	6m	7 m
Transport width <i>(With lengthwise transport carriage)</i>		2 m	2.2m	2.6m	3 m	3.5m	3.8m	3 m	4.5m	5.7m	6.6m	8.4m	3.5m	4.1m	3.5m	3.7m
Max. number of rows ⁽¹⁾	MS A metering unit	6	7	8	9	9	12	9	12	18	18	24	12	12	18	24
	MS B or B2 metering unit	8	10	12	12	16	16	16	(2)	24	30	(2)	(2)	(2)	24	(2)
	MS C metering unit	6	7	8	9	9	12	9	12	18	18	24	12	12	18	24
	MS D or D2 metering unit	4	5	6	6	8	8	6	(2)	12	12	(2)	-	-	12	(2)
Turbofan		PTO drive - 540 rpm as standard, 450 or 1,000 rpm optional. Optional hydraulic drive. Optional universal joint with free wheel.														
Tires		2 x (500 x 15)						2 x (500 x 15)		4 x (500 x 15)			4 x (500 x 15)		4 x (500 x 15)	
Seed spacing gearbox (16 speeds)		1	1	1	1	1	1 (or 2)	1	1	1	1 (or 2)	2	3	3	3	3
Hydraulic row markers		○	○	○	○	○	○	○	○	○	○	○	●	●	●	●
Fertilizer unit		-	-	-	-	-	-	○	○	○	○	○	-	-	-	-
Microsem		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Hectare counter		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Seed monitor		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Lighting kit		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Frame weight <i>(without metering units)</i>		290 kg	295 kg	320 kg	325 kg	365 kg	410 kg	550 kg	580 kg	700 kg	750 kg	1,305kg	1,150kg	1,300kg	1,220kg	1,260kg

●: Standard

○: Optional

-: Not available

(1): Provided only as a guideline

(2): Contact us

For other models, configurations or drive types: 



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.

→ EASYADJUST

Download the free Monosem "EasyAdjust" app from Google Play or App Store to help you adjust your seed populations, Microsem and fertilizer units.

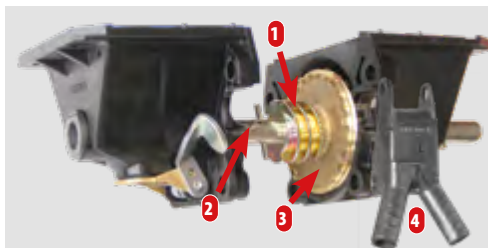


App Store



Google Play

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



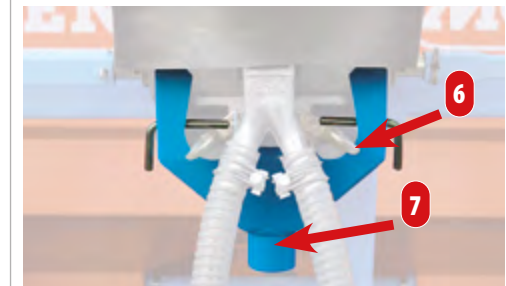
A 3-level gearbox is used to adjust the microgranulators. It offers a wide range of settings (40 ratios) to meet most requirements.

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 fertilizer placement during planting.**



	Inter-row spacing under 40cm	Inter-row spacing over 40cm
Capacity	The capacity depends on the number of rows and inter-row spacing	
Configuration	1 outlet per 2 rows	1 outlet per row
Rate	75 to 325kg/ha at inter-row spacing of 40cm with the standard auger	150 to 650 kg/ha at inter-row spacing of 40cm with the standard auger
Frame type	Rigid Monoblock Rigid Double bar	

HOPPERS

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

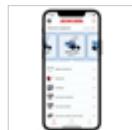
- 85L hopper with 1 outlet
- 175L hopper with 2 or 3 outlets
- 270L hopper with 3 outlets

Fertilizer units can be mounted on rigid, Monoblock or Double-bar frames.

FERTILIZER ADJUSTMENT



A 12-ratio gearbox is used to adjust the quantity of fertilizer applied during planting. The quantity applied can be adjusted quickly using the chart supplied with the fertilizer units.

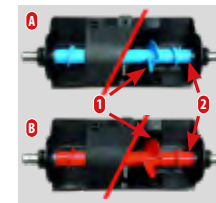


FERTILIZING UNITS



Fertilizer is applied using fertilizing units with tines. These fertilizing units are equipped with a spring safety system and height adjustment mechanism.

AUGER-BASED METERING

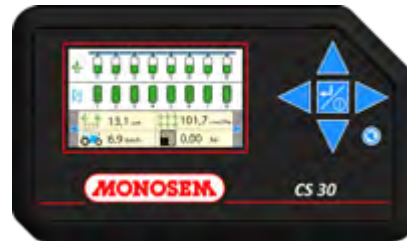


Fertilizer is evenly distributed using a system combining auger-based metering (1) and agitators (2). Stainless-steel augers with different pitches are available, ensuring that exactly the required quantity is metered.

The "standard" augers (A) are blue and meter 75 to 325kg/ha of fertilizer at inter-row spacing of 40cm. The "high-output" augers (B) are red and meter 150 to 650kg/ha of fertilizer at inter-row spacing of 40cm.

SEED MONITORS

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.



SEED-DRIVE HYDRAULIC CONTROL

The Seed-Drive hydraulic seed population control system can be used to replace one or more planter gearboxes with one or more hydraulic motors that drive the seed discs. This system enables the seed population to be continually adjusted in cab using the TOUCH Mini or TOUCH terminal or any other compatible ISOBUS terminal.



SEED MONITOR SENSORS

The seed monitor sensors are positioned beneath the metering boxes inside the shoes. A light beam is used to monitor seed flow, capturing even the smallest seeds.



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 MODE (Monosem On Demand Europe) 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

16 rue du Général de Gaulle - 79240 LARGEASSE - FRANCE

+33 (0)5 49 81 50 00



Business no.: 303 953 566 RCS NIORT

Reference no.: 90300EN

www.monosem.com

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

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IMPRIM'VERT®

Monosem is committed to the environment

MonoGreen