

MARKET GARDEN PLANTERS

Mechanical drive

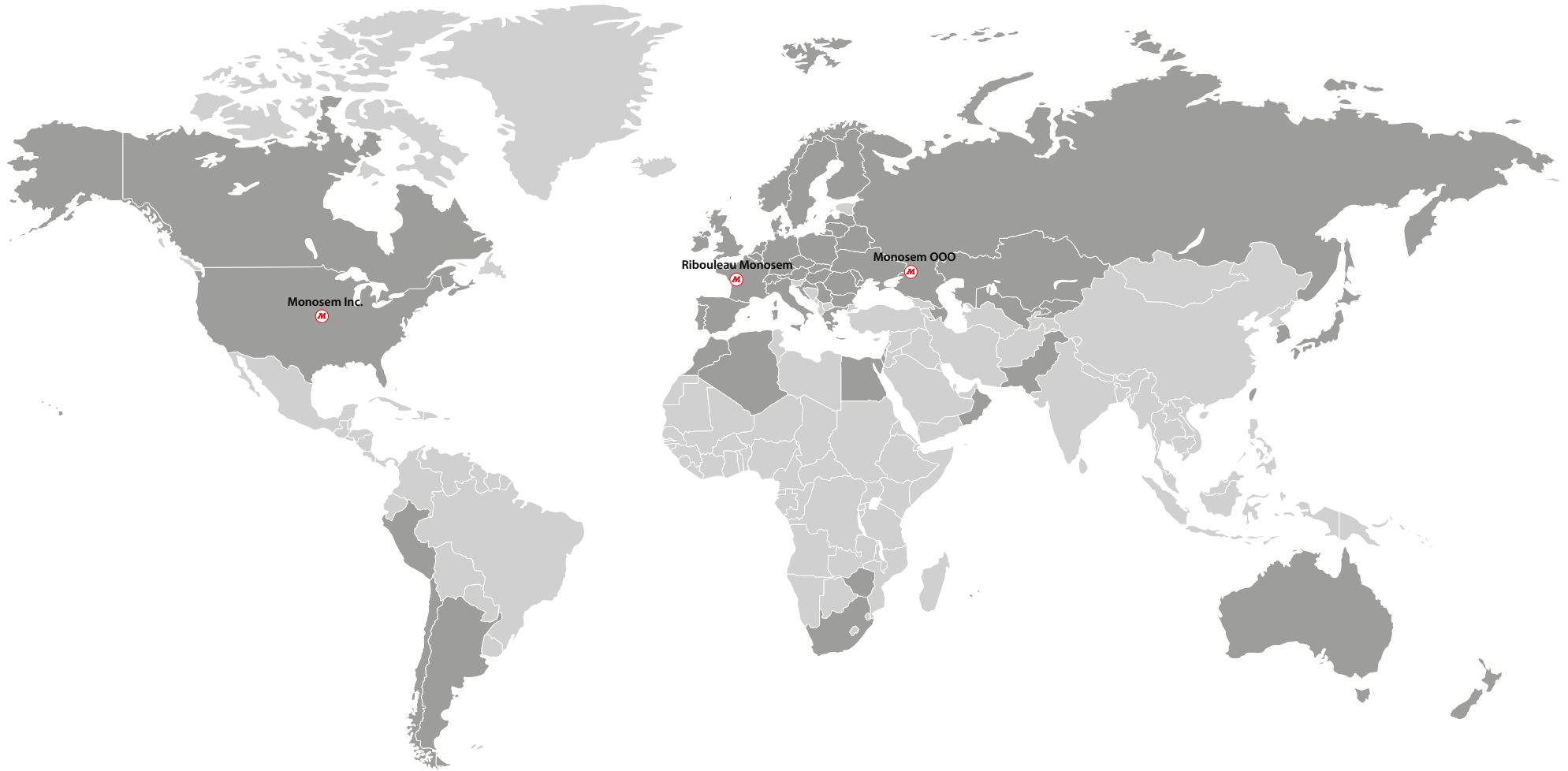


70 YEARS OF KNOW-HOW...



... BY YOUR SIDE

Sowing is an investment, an essential step that brings the crop to its full potential. In more than 50 countries around the world, many farmers have chosen to rely on Monosem technology. Our 70 years of shared history bear witness to this. This trust, based on notions of reliability, sustainability, and agronomic performance, is now strengthened by technological innovations. Whether on seed planters or hoeing machines, intelligence is at the heart of Monosem equipment. Our relationship is based on 4 fundamental pillars: ultimate versatility, uncompromising quality of emergence, intelligence in favour of eco-responsibility and a service worthy of the challenge.



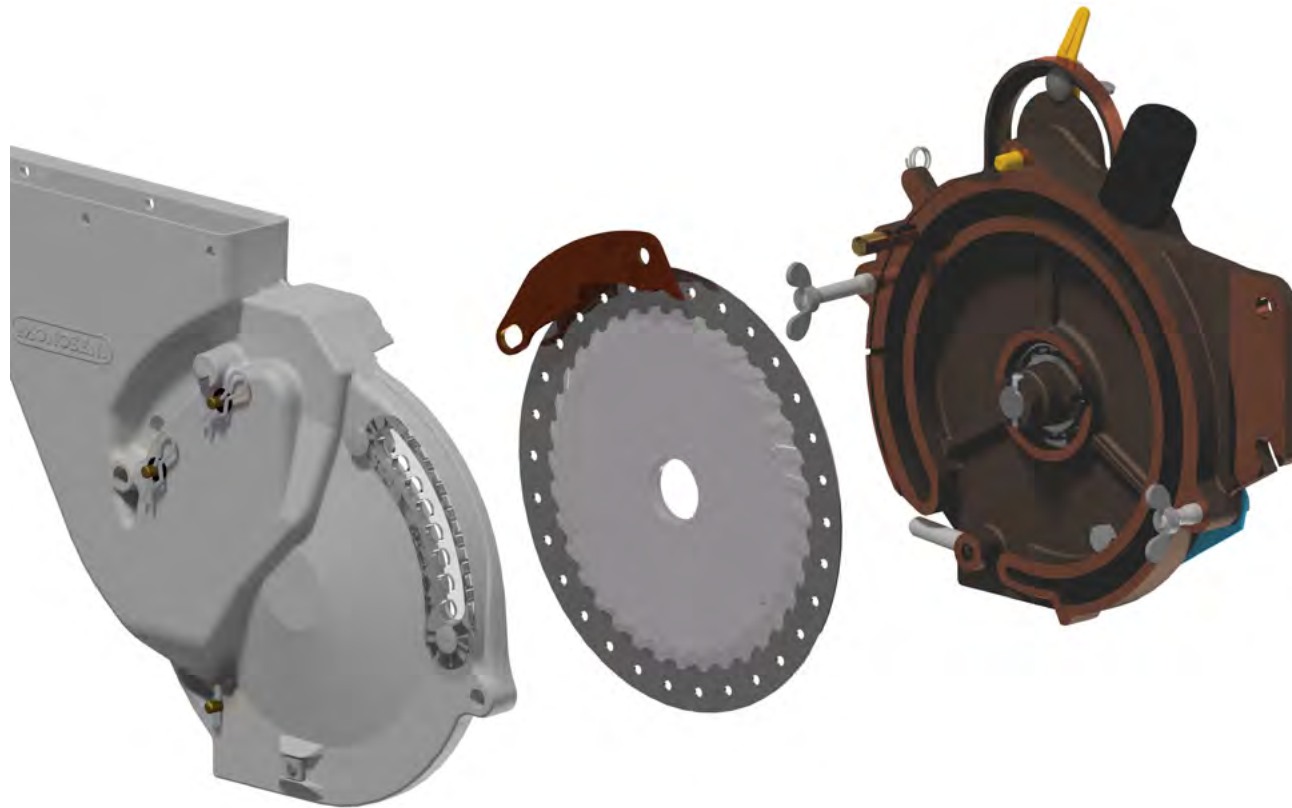




VERSATILITY

Intrinsically linked to agri-environmental conditions, farms must be agile in their production systems. We offer the ultimate versatility.





Ultimate versatility

Monosem's versatility serves to diversify your crops, protect biodiversity, and conserve your soil capital. We therefore offer sowing units with an unrivalled versatile distributor box. From celery to asparagus, carrots to cucumbers, simply choose the right disc. Sow a wide range of crops with a single seed planter and quick adjustments. This versatility turns the constraint of crop rotations into an economic opportunity.

Adaptability in any situation

Specially developed for sowing small seeds, the MS range is the result of Monosem's experience with single-seed planters. Because each crop requires its own type of seeding, our seeding units are flexible. Sowing on flat ground or on mounds, in the open or in passes, in single or double rows or in strips, experience speaks for itself! We will provide you with the right accessories for your working environment.







EMERGENCE

If yield is the primary objective of a seeding operation, then it is the quality of emergence that we should aim for. Put all the advantages on your side and reach the full potential of your crops from the start.





Uncompromising emergence quality

While optimum yield is the objective of the sowing operation, it is the quality of emergence that we are looking for first. The speed and uniformity of emergence are strongly influenced by the sowing conditions. Sowing at an even depth and ensuring a uniform distance between seeds is a guarantee of the best sowing conditions. This is how Monosem seed planters stand out, with mechanical kinematics that allow for unparalleled seed pressing and furrow closure.

Over the years, our recommendations for use, setting, and speed have proven their effectiveness in achieving excellent emergence quality.





MONOSEN
in precision agriculture



SERVICE

To ensure the longevity of your equipment and to enable you to maintain an unparalleled quality of sowing, we make your satisfaction our priority. Spare parts, reactivity and support are available.



Reliable and close to you

Providing advice tailored to the needs of your operation is one of the outstanding qualities of our extensive dealer network. At your disposal to respond effectively to technical and operational requirements, we place our expertise at your service.

Because for more than 70 years you have placed your trust in us, we have created the Value & Tech Centre. This free service, from a team of technical experts, offers proactive listening and support, for serene sowing.

Spare parts: action, reaction!

Checking the wear and tear of your equipment is one of the most important steps in preparing for sowing. To maintain optimum performance from your Monosem seed planter, we offer a wide range of spare parts. From distribution discs to belts and various rivets, we have the part you need!

Because you pay attention to the wear and tear of your parts, we put all our reactivity to good use to ensure their availability within the dealer network and from our large factory stock.

To consult our catalogue, go online to:
service.monosem.com

Our machines stand the test of time

We make a point of using quality materials in the design of our machines. A habit that has proven its effectiveness through time, and which guarantees the solidity and reliability of our machines. A lasting investment that gives you the peace of mind you need to sow in the best conditions.

10%

Incorrect settings or lack of maintenance can lead to a loss of efficiency of up to 10%.

(Données Limagrain [Limagrain data], 2012)



WE HAVE THE PLANTER YOU NEED

Configure your seed planter according to your needs: choose the element, the frame, the accessories... and turn your seed planter into the ideal tool for your crops.



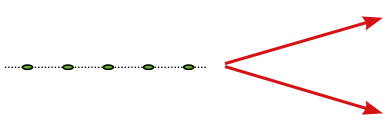
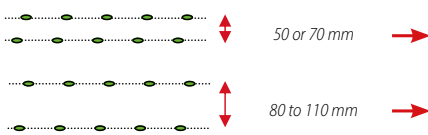



**CHOOSE LA
APPROPRIATE DECLINATION**

The MS sowing unit has been specially designed for sowing vegetable crops. Placement quality, depth consistency, lifting dynamics and ease of adjustment are the main advantages of the MS element. Each element can sow a wide variety of seeds with excellent results.

The coulters system of the MS A, B, B2, C, D and D2 sowing units is based on depth control by means of a front gauge wheel and ploughshare planting. The MS V sowing unit is equipped with a double disc coulters for sowing in simplified conditions or in the presence of plant debris.

Elements B2 and D2 are a variation of elements B and D, respectively. The former two are equipped with an intermediate wheel which is absent on the latter two.

	Sowing type	Inter-row	Elements
Single row		14 to 20 cm	MS B or B2 1 row per box
		20 cm and +	MS A - MS B or B2 1 row per box
Double row		20 cm and +	MS C 2 rows per box
		26 cm and +	MS D or D2 1 row per box
Strip		20 cm and +	MS A - MS C 1 strip per box



The MS A element: single row or strip sowing, this is the element you need

The MS A sowing unit can be converted into the MS C sowing unit by replacing the coulters and disc with a second press roller and a second selector.



The MS C unit: ideal for strip sowing or double row sowing

A variation of the market gardening element that is particularly popular for sowing on row spacing of more than 20 cm, in double rows or in strips. The MS C sowing unit can be converted to the MS A sowing unit by replacing the coulters and disc and removing the 2nd press wheel and 2nd selector.



The MS B and B2 elements: your partner for single row sowing in narrow rows

Sowing with a minimum of 14 cm between rows? The MS B2 element and its variation without intermediate wheel, MS B is the right solution for you. It will support you throughout the plot, for precise and regular sowing, without a hitch.



The MS D and D2 elements: an ally for double row seeding and wide row spacing

We are committed to provide the right element for your crops. With the MS D2, and its version without intermediate rollers, you will be able to sow all crops requiring double rows with a spacing of 26 cm between each pair. It can accommodate the equipment that best suits your needs.



The MS V element: the hybrid solution

The MS V is the only member of the MS range to be equipped with a ploughshare and double opening discs, allowing optimum planting even in difficult conditions. The contact between the seed and the soil is improved by means of the pressing wheel, which will guarantee regular emergence.

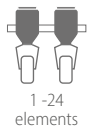
WIDE RANGE OF FRAMES

Choose the right frame for your needs.

MS seed planters are equipped with 5-inch section frame. This type of frames, together with the various principles of fastening elements and components, offers a wide range of assembly and equipment possibilities.

Rigid frames

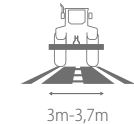
Single bar, double bar, or triple bar, let yourself be guided. Our rigid frames can be adapted to your needs. Economical, robust, and reliable, they guarantee a sowing with confidence.



Folding frames

Our floating folding frames give fool-proof stability and reliability. The independent ends and wheel blocks allow excellent ground tracking.

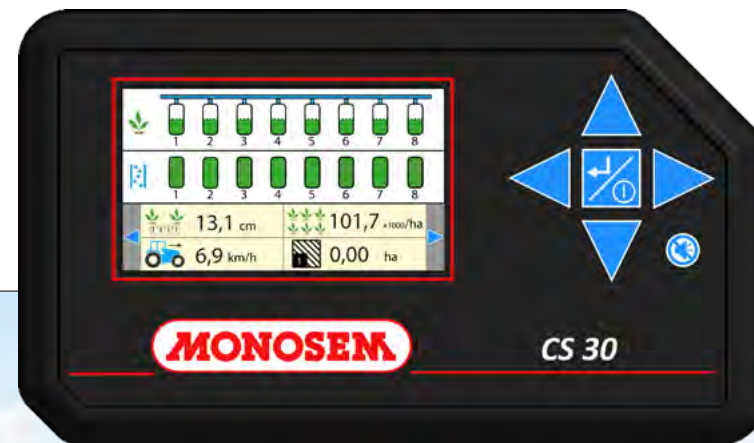
Their ease of folding allows to move easily from transport to work and back again.



SOWING CONTROLLERS

Also gain in comfort on our mechanical seed planters, with our seed controllers for small seeds. Choose an easy-to-use solution that effectively controls seed deposition. This way, when the hopper is empty, you will be immediately warned that it is time to reload, letting you sow with peace of mind.

We also offer a solution with seed distance control for even greater precision. Whether it is chard seed or celery seed, we offer the possibility to control the planting of each seed into the furrow. Choose the solution that suits you, and your seedlings will be even more successful!



FERTILIZATION

Our MS planters are available with 85L, 175L or 270L hoppers to meet your needs. Adaptable to Monobloc or Double bar frames, our hoppers are equipped with a high-quality auger system. The auger feeder distribution, in combination with the agitators, ensures even fertilizer dosing. Made of stainless-steel, these augers are available with different pitches to provide exactly the quantity required.



High-capacity on-board hoppers

Choose the size you need! Our large capacity hoppers offer a wide opening and rock-solid reliable distribution.

Standard on-board hoppers

Available in various capacities, they can be mounted on rigid frame, they will support you throughout your work and ensure unrivalled precision.

MICROSEM: NUTRITION WITH PRECISION

The main objective of Microsem is to protect the seed from external aggression. The distribution of micro-granules requires just as much attention and precision as sowing. Our Microsem auger system ensures regular dosing of insecticide, slug pellets or micro-granules.

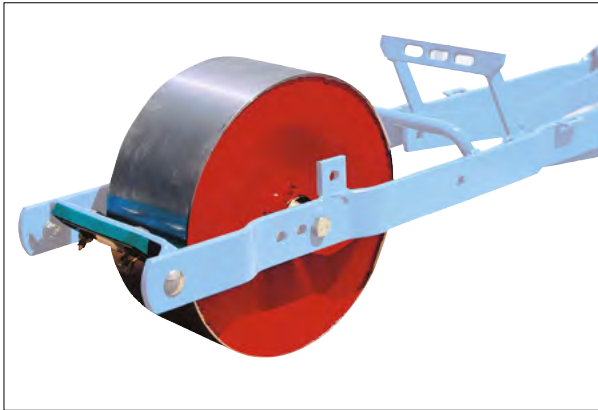
Placed as close as possible to the seed, the micro-granules will protect it from pests and provide all the nutrients necessary for uniform emergence.

Combined for greater efficiency

Our micro-granulators let you choose! They can be used alone or combined with the simultaneous application of insecticide and molluscicide, or micro-granulated starter fertilizer.

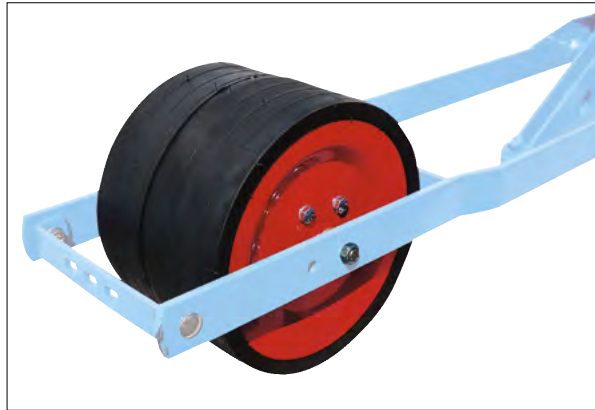


ALWAYS THE RIGHT ACCESSORY



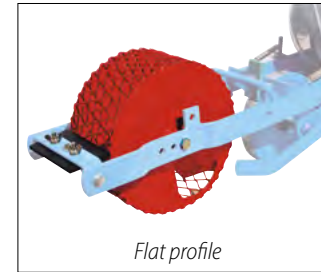
Flat wheel with stainless steel treads

Ideal for sandy, non-sticky conditions, it flattens the soil to ensure the seed is properly pressed.

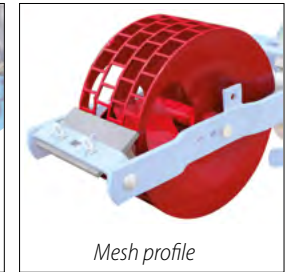


Flat wheel with self-cleaning treads

Preferably in sticky or slightly damp conditions, it improves the grain-soil contact.



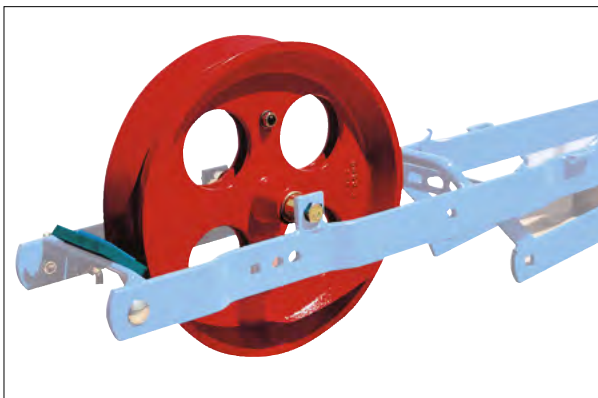
Flat profile



Mesh profile

Cage wheel

For closing the furrow, it is ideal in dry conditions or for loose soil.



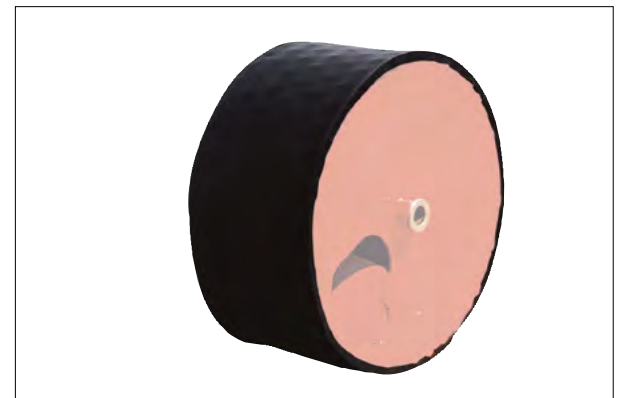
Concave wheel

An excellent ally for closing the furrow in dry conditions.



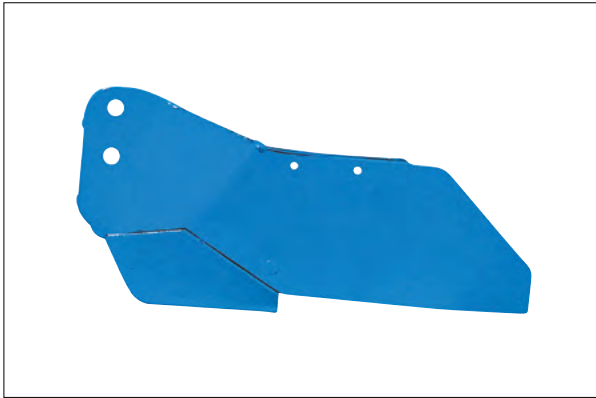
Tread for concave wheel

To equip the concave wheel and adapt it to wetter conditions.



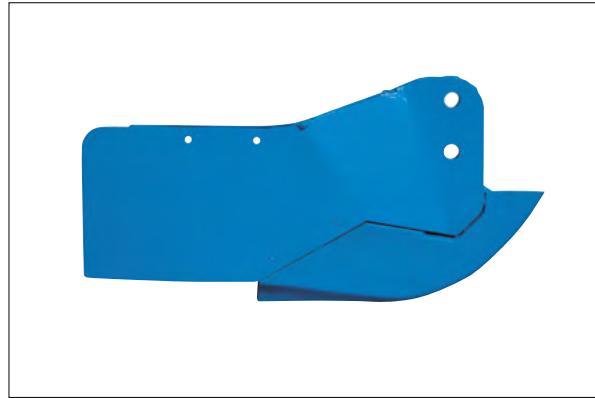
Tread for cage wheel

The equipment that makes it easier to use the cage wheel in lightly humid conditions.



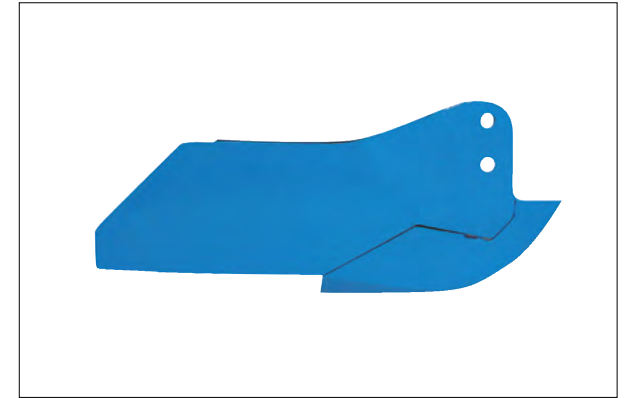
Narrow pointed share, elongated ears

*Keeps the furrow open in soft soils for better seed placement.
Non-available with the press wheel*



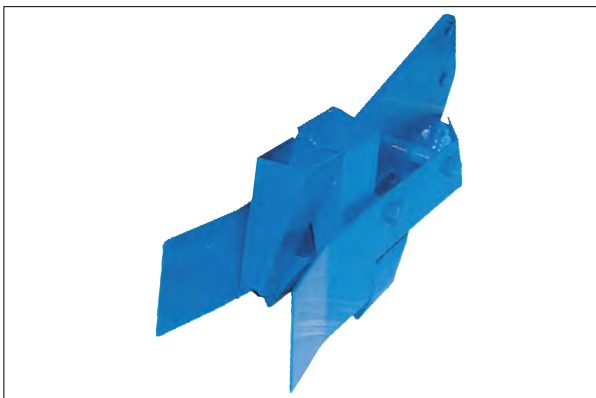
Narrow share, tapered tip, short ears

Less aggressive than the pointed share, it adapts to harder soils.



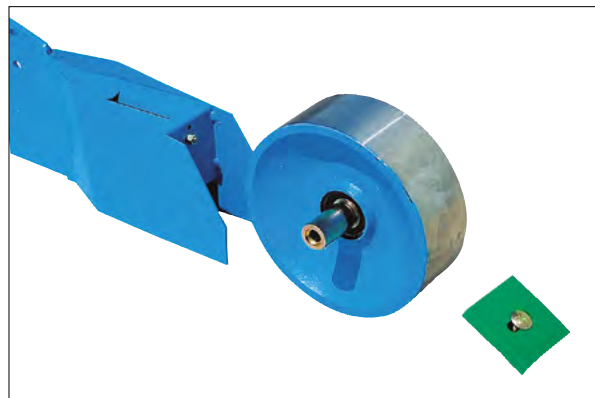
Narrow share with receding tip, elongated ears

*Less aggressive than the pointed share, it keeps the furrow open in soft soil conditions.
Non-available with the press wheel*



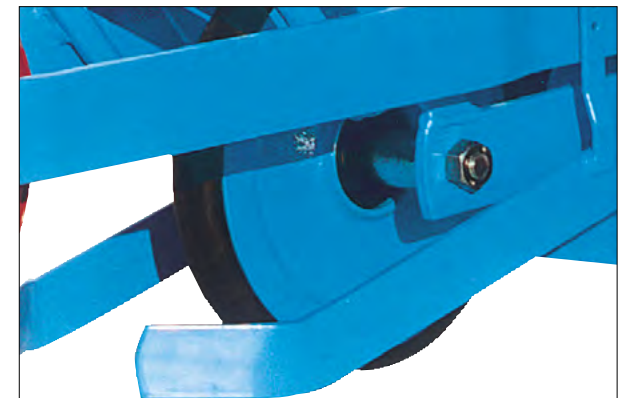
Double line share with wheels.

*Allows the seeding of two rows with a single box.
Available only on the MS C.*



Spreader share with wide roller for strip sowing









Ideal for sowing in 67 or 100mm wide strips.



Intermediate wheel with self-cleaning soft treads

An essential piece of equipment to ensure the pressing of the seed in wet conditions.

Technical data MS

Frames		Rigid										Folding				
		Monobar					Monobloc 125		Double bar			Compact		Double bar		
Width		2m	2,2m	2,6m	3m	3,5m	3,8m	3m	4,5m	5,7m	6,6m	8,4m	6m	6,3m	6m	7m
Transporting width <i>(with long transport trolley)</i>		2m	2,2m	2,6m	3m	3,5m	3,8m	3m	4,5m	5,7m <i>(2,5m)</i>	6,6m <i>(2,5m)</i>	8,4m <i>(2,5m)</i>	3,5m	4,1m	3,5m	3,7m
Number of rows maximum ⁽¹⁾	Element MS A	6	7	8	9	9	12	9	12	18	18	24	18	18	18	24
	Element MS B or B2	8	10	12	12	16	16	16		24	30				24	
	Element MS C	6	7	8	9	9	12	9	12	18	18	24	18	18	18	24
	Element MS D or D2	4	5	6	6	8	8	6		12	12		-	-	12	
Turbine		Power take-off drive - standard 540 rpm, optional 450 or 1,000 rpm. Hydraulic drive optional. Universal joint freewheel optional														
Tyres		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)		
Distance gearbox (16 speeds)		1	1	1	1	1	1 (or 2)	1	1	1	1 (or 2)	2	3	3	3	3
Hydraulic markers		○	○	○	○	○	○	○	○	○	○	○	●	●	●	●
Fertilizer		-	-	-	-	-	-	○	○	-	-	-	-	-	-	-
Microsem		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Hectare counter		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Sowing controller		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Lighting kit		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Frame weight (without elements)		290 kg	295 kg	320 kg	325 kg	365 kg	410 kg	550 kg	580 kg	700 kg	750 kg	1305 kg	1150 kg	1300 kg	1220 kg	1260 kg

●: Standard

○: Optional

- : Impossible

* : According to models

(1) : Just given as a guide

 : Consult us

For other models, configurations or drive types : 



MONOSEM

Enhanced precision

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Reference : 92500EN - 07/21

www.monosem.com

All the data concerning the equipment, the general appearance, the weight and dimensions are current at the date of printing and vary according to countries. They may be modified without previous notice. This brochure cannot be considered as a binding document. Your Monosem partner will not hesitate in informing you of any possible changes. In order to illustrate this brochure, certain safety housings and mechanisms may have been removed. Apart from this particular case and complying with the recommendations in the manual, these must remain fitted.

Printing : Prouteau Imprimerie Bressuire • Graphic design, layout and photo credits : Monosem.

