

MONOSEM CULTIVATORS

3 cultivators, one goal: to promote the development of your crops.



MONOSEM FOUNDING PRINCIPLES

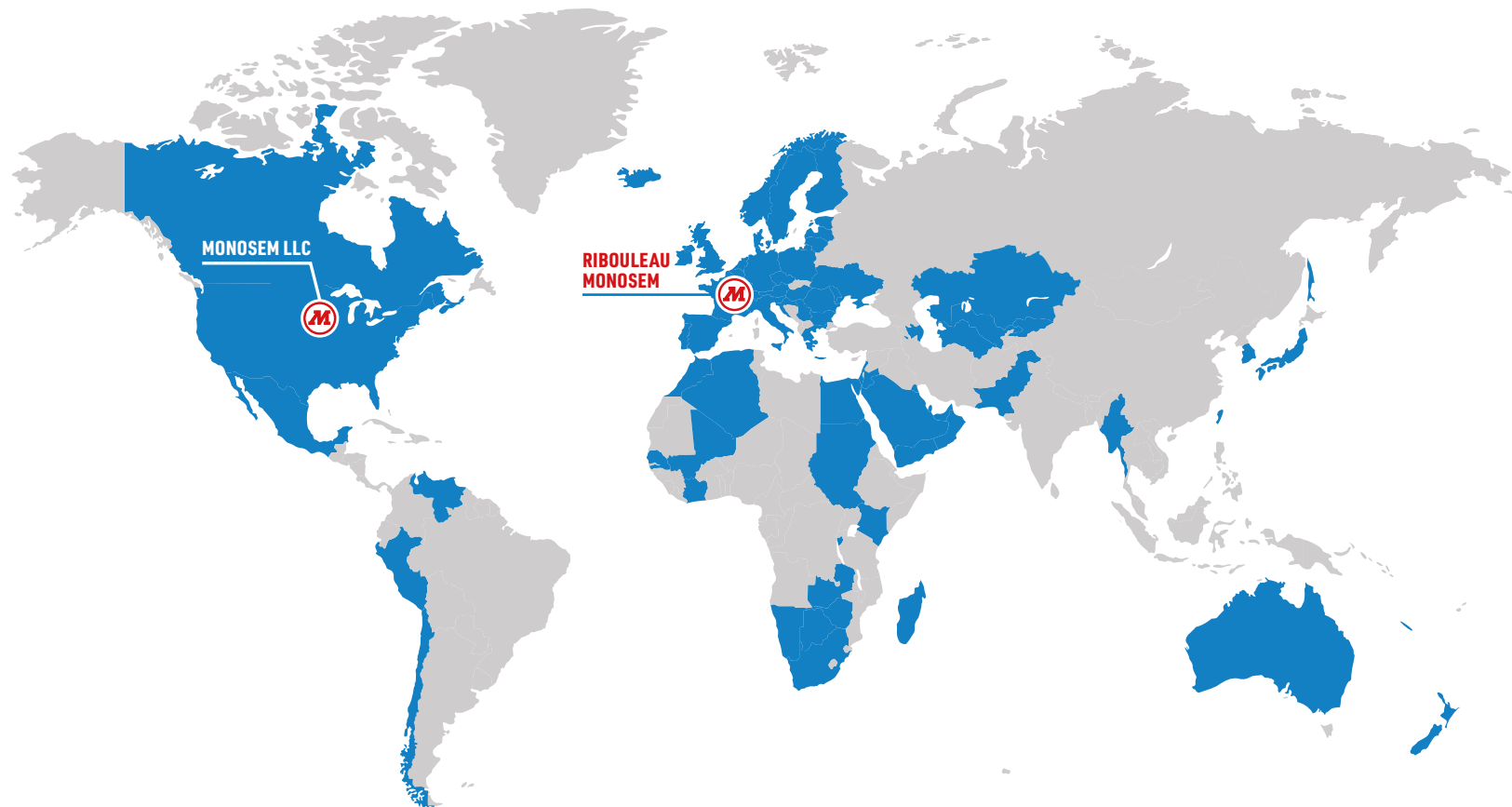
Seed planting is an investment and a crucial step in ensuring crops reach their full potential. Many farmers in over **80 countries** worldwide have chosen to rely on **Monosem** technology.

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.



MONOSEM CULTIVATORS

3 cultivators, one goal: to promote the development of your crops

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BENEFITS OF CULTIVATION

Monosem cultivators are bona fide **yield optimization machines**.

They are designed to promote the development of your crops.

Below are **3 benefits** of using a Monosem cultivator:

1

AGRONOMIC BENEFITS

- Weed control, eliminating even fully developed weeds
- Tillage effects (nitrogen mineralization, soil restructuring and warming)
- Improved biological activity of soil
- Pest control (slugs, etc.)
- Elimination of ground caking

2

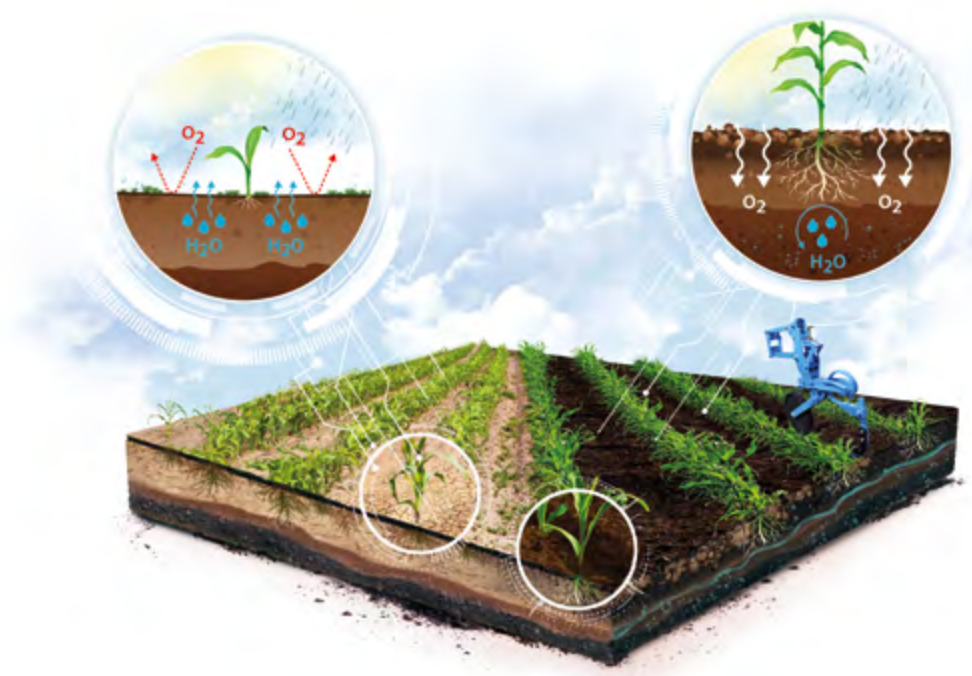
FINANCIAL BENEFITS

- Fewer passes and less nitrogen needed (if applied locally during cultivation)
- A versatile cultivator that can be used on a wide variety of crops
- Less water required (1 cultivation is worth 2 irrigations)

3

ENVIRONMENTAL BENEFITS

- Lower quantities of plant protection products required
- Lower quantities of fertilizer required due to localized fertilization
- Less runoff



A GAME-CHANGING CONCEPT

Section control: hydraulic unit raising.

Ease of use and operating precision with the "Made by Monosem" seal of quality.

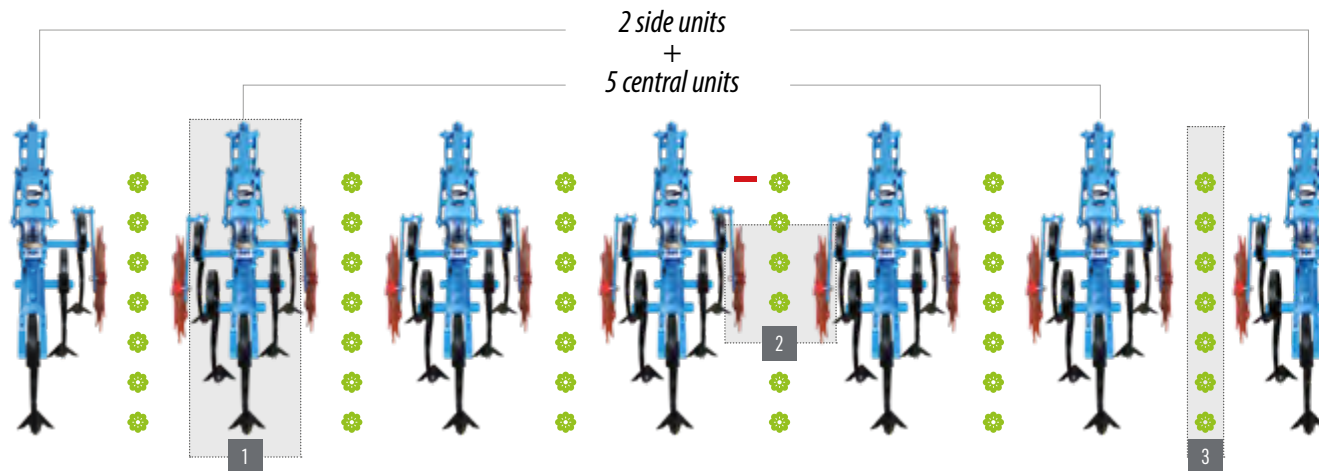
- Manual, by GPS or in-cab
- Just one terminal and one license for your planter and cultivator
- ISOBUS-compatible

The hydraulic unit raising system provides the key to precision cultivation by providing the option of raising individual units and thus cultivating as closely as possible to rows while also protecting seedlings at the field ends.



CULTIVATION PRINCIPLES

Sample configuration: 6-row cultivator – 7 units



1

INTER-ROW CULTIVATION

By cultivating between rows, it is possible to control weeds. The soil is loosened to a greater or lesser extent depending on the type of tool used. 1 to 5 tools can be used per unit depending on the inter-row width requiring cultivation. Additional equipment can be installed behind units to improve cultivation efficiency by helping uproot weeds, thus limiting their return (combs, tined weeder).



2

ROW PROTECTION

Through row protection, it is possible to limit mud spatter onto crops and avoid burying crops during early cultivation. This can be achieved using shoes whose shape limits mud spatter (Lelièvre or Planet blades) or plant protectors (discs or plates). The advantage of plant protection discs/plates is that they can be retracted. Weeds can then be buried with the flow of soil displaced onto the row during later cultivation runs.



3

ON-ROW CULTIVATION

Through on-row cultivation, even weeds closest to established crops can be buried or uprooted, thus eliminating them. This can be achieved using bedding discs that control weeds by directing soil onto the row, thus smothering weeds, or using finger weeder (or rotative weeder) that uproot young weeds through their rotative action.

UNIT MODELS

MULTICROP

A heavy-duty, upgradable row crop cultivator compatible with multiple accessories.

An adaptable unit for vegetable cultivators.



CROP TYPES



Maize, Sugarbeet, Sunflower, Rapeseed, Beans, Soya beans, Sorghum, etc.

NUMBER OF TOOLS



1 to 5 tools
(+ rear stand)

NUMBER OF ROWS



1 to 24
rows

INTER-ROW SPACING



25cm to 90cm

COMPACT MULTICROP

This compact unit is specially designed for cultivating crops with low inter-row spacing.

An adaptable unit for vegetable cultivators.



CROP TYPES



Vegetable crops, Cereals, Sugarbeet, Rapeseed, etc.

NUMBER OF TOOLS



1 to 3 tools
(+ rear stand)

NUMBER OF ROWS



1 to 24
rows

INTER-ROW SPACING



18cm to 65cm

SUPERCROP

A versatile, economical cultivator for use with row crops.



CROP TYPES



Maize, Sugarbeet, Sunflower, Rapeseed, Beans, Soya beans, Sorghum, etc.

NUMBER OF TOOLS



1 to 5 tools
(+ rear stand)

NUMBER OF ROWS



1 to 18
rows

INTER-ROW SPACING



25cm to 80cm

MULTICROP RANGE

Fixing clamp

Units are fixed by tilting clamps with just one nut, which means that the units can be quickly moved. The wide span ensures perfect positioning of the unit when working.



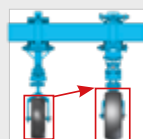
Lateral adjustment

The cross parts to which the tines are fastened are equipped with a fastening system based on a single central screw, making it easier to move the tines sideways.



Depth control wheel

The front wheel for the Multicrop range has a large diameter (350mm) and is also wider than other models (120mm). This wheel is mounted on a reinforced one-piece bearing.



SCD Multicrop



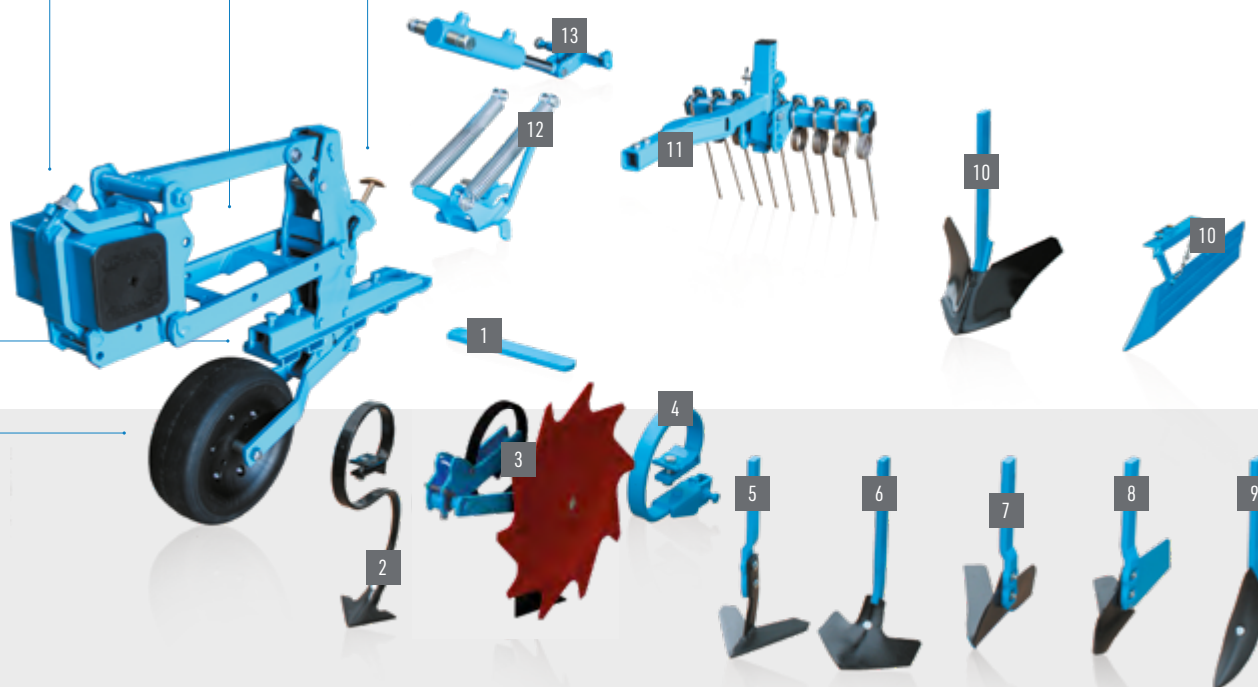
Reinforced parallel linkage

The reinforced parallel linkage for the Multicrop range is mounted on large-diameter shafts (16mm) with self-lubricating bushes. This parallel linkage has high clearance and is fitted with a lock catch to keep the unit in its raised position.



Depth adjustment

Working depth is quick to adjust by notches (7.5mm increments).



ACCESSORIES

- 1 **Special steel unit cross part**
(available in different lengths)
- 2 **Spring tine with 150 sweep share**
(also available with 105 sweep share)
- 3 **Spring tine with 150 sweep share and plant protection disc with progressive and retractable adjustment**
- 4 **Spring bracket for shovel or blade**
- 5 **Shovel** (available in widths of 14, 20, 25 and 30)
- 6 **Duckfoot** (available in widths of 20, 25 and 30)
- 7 **Lelièvre blade for maize or sugarbeet**
- 8 **Planet blade with or without cheek**
- 9 **Rigid shank**
- 10 **Bedder** (fixed or adjustable)
- 11 **Combs**
- 12 **Additional pressure springs**
- 13 **Hydraulic raising system**



COMPACT MULTICROP CULTIVATOR

The compact multicrop unit is specially designed for cultivating crops with low inter-row spacing such as vegetable crops, cereals and sugarbeet. It can be used to cultivate 1 to 24 rows at once with inter-row spacing of 18 to 65cm.



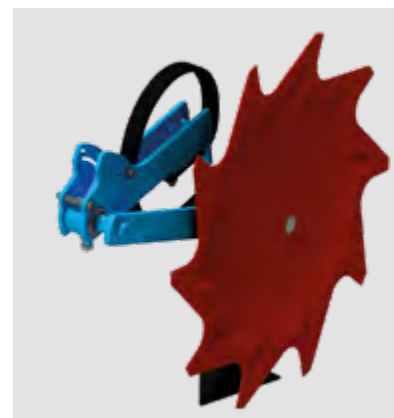
- 1 **Units are fixed** by tilting clamps with just one nut, which means that the units can be quickly moved. The wide span ensures perfect positioning of the unit when working.
- 2 **Narrow parallel linkage** mounted on large-diameter shafts (16 mm) with self-lubricating bushes.
- 3 **Depth control wheel** (380x65) fitted with a self-cleaning flexible tire. Fork fixture ensuring a high level of durability.
- 4 **Working depth quick to adjust** by notches (7.5mm increments).
- 5 **Lateral adjustment** of cross parts using a single central screw.
- 6 **Rear stand** designed to carry a large number of tools.



MULTICROP EQUIPMENT

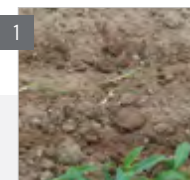
Continuously adjusting plant protection discs or plates

- Height-adjustable
- Adapt to plant development
- Allow slight bedding even during early cultivation
- Optional adjustment system



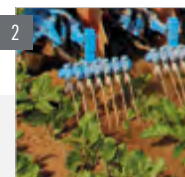
VERSATILE REAR STAND

- Multicrop unit designed to carry all types of equipment
- 4 integrated mounting holes
- Upgradable rear equipment



INTER-ROW CULTIVATION

Helps uproot weeds, thus limiting their return.



COMBS

Ideal for sugarbeet.



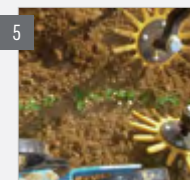
TINED WEEDER

Ideal for stony and/or trashy soil to avoid jamming.



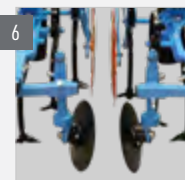
ADJUSTABLE PRESSURE SPRING

- Adjustable to 4 positions
- Ideal for hard soil and/or behind the tractor wheels
- Optional



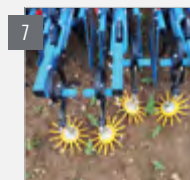
ON-ROW CULTIVATION

Even weeds closest to established crops are buried or uprooted, thus eliminating them.



BEDDING DISCS

Control weeds by directing soil onto the row, thus smothering weeds.



FINGER WEEDERS AND ROTATIVE WEEDERS.

*Eliminate weeds on the row.
To be used when crops are sufficiently developed for small weeds to be uprooted.*

SECTION CONTROL

Hydraulic unit raising system

The hydraulic unit raising system provides the key to precision cultivation by providing the option of raising individual units and thus cultivating as closely as possible to rows while also protecting seedlings at the field ends.

It is managed by solenoid valves and can be controlled in two ways: manually in the tractor cab or automatically by GPS (Section Control). The GPS-guided automated management system dovetails perfectly with a Section Control-equipped planter. The same terminal and Monosem license can be used for the planter and cultivator.

This system is ISOBUS-compatible.



SUPERCROP (SCD)

RANGE

Monosem cultivators have built their reputation on **sturdiness, versatility** and **simplicity**. The widely tried-and-tested SCD range can adapt to most of your requirements.

1 FIXING CLAMP

Units are fixed by tilting clamps with just one nut, which means that the units can be quickly moved. The wide span ensures perfect positioning of the unit when working.

2 PARALLEL LINKAGE

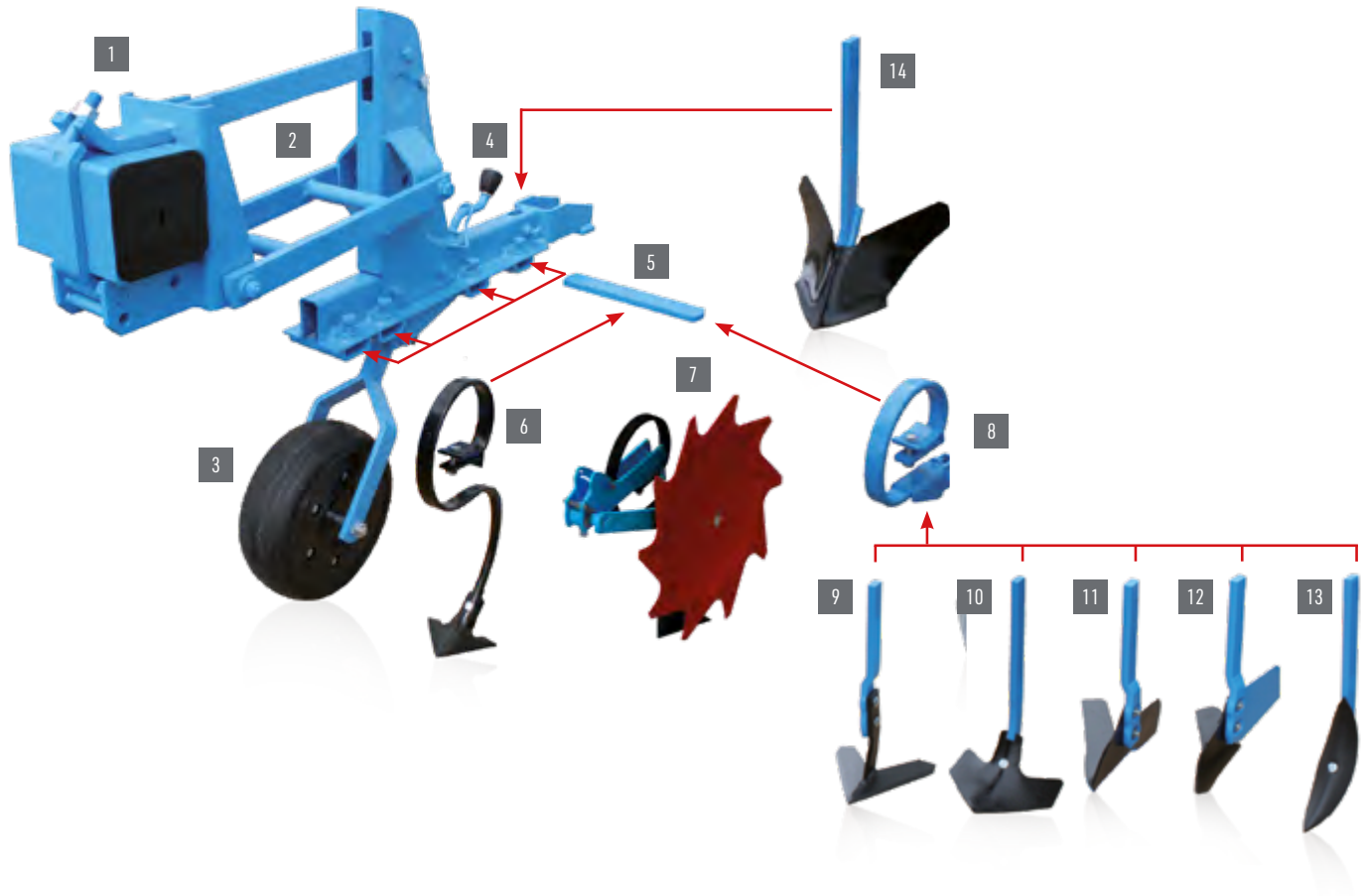
High-clearance parallel linkages are equipped with a grease fitting. All articulations are mounted on replaceable bushes. Individual lock catches are used to keep units in their raised position.

3 DEPTH CONTROL WHEEL

The depth control wheel (300 x 100) is fitted with a self-cleaning flexible tire. Its fork fixture ensures a high level of durability.

4 CRANK

A crank is used to adjust working depth. Working depth can be adjusted quickly and easily using this adjustment system and the depth control scale.



ACCESSORIES

5 **Special steel unit cross part**
(available in different lengths)

6 **Spring tine with 150 sweep share** (also available with 105 sweep share)

7 **Spring tine with 150 sweep share and plant protection disc with progressive and retractable adjustment**

8 **Spring bracket for shovel or blade**

9 **Shovel** (available in widths of 14, 20, 25 and 30)

10 **Duckfoot** (available in widths of 20, 25 and 30)

11 **Lelièvre blade for maize or sugarbeet**

12 **Lelièvre blade for maize or sugarbeet**

13 **Lelièvre blade for maize or sugarbeet**

14 **Bedder** (fixed or adjustable)



VEGETABLE CROP RANGE

Since vegetable crops require special care, Monosem has designed a **steerable, heavy-duty, versatile cultivator** for all your weeding, cultivating and bedding tasks.



STEERING

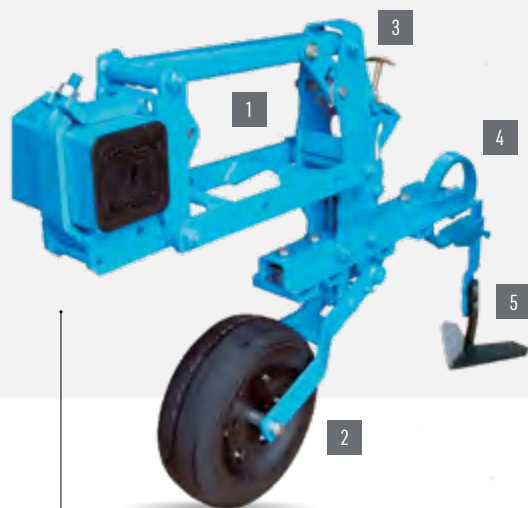
The smooth, precision steering system is equipped with an integrated locking system.



FRAME

The modular, heavy-section frame (5" x 5") can be fitted with a broad combination of equipment. A range of frames is available (see pages 11 to 13), allowing working widths of 2 to 12 rows and above.





MULTICROP UNIT
25-90cm inter-row spacing



COMPACT MULTICROP UNIT
18-40cm inter-row spacing

- 1 Special steel unit cross part
- 2 Spring tine with 150 sweep share
- 3 Depth control
- 4 Spring bracket for shovel or blade

5 Main accessories

SHOVEL
(width: 14, 20, 25, or 30)



DUCKFOOT
(width: 20, 25, or 30)



RIGID SHANK
(flat or pointed shovel)



LELIÈVRE BLADE
(maize or sugarbeet)



PLANET BLADE
(with or without cheek)



BEDDER
(fixed or adjustable)



FRAMES

4-row rigid TIP 5" cultivator with 75cm inter-row spacing



RIGID TIP 5" FRAMES

These cultivators with rigid TIP 5" frames are suitable for cultivating 4 to 8 rows of maize and 6 to 12 rows of sugarbeet. This simple and economical frame can accommodate standard fertilizer units or a front fertilizer. The double-bar models of these frames can accommodate "High-Capacity" fertilizer units.

12-row rigid TOP 7" cultivator with 80cm inter-row spacing



RIGID TOP 7" FRAMES

The rigid TOP 7" frame is a heavy-section frame for Wide cultivators (up to 12 rows of maize and 18 rows of sugarbeet). It is equipped with 700x12 height-adjustable land wheels.

TRANSPORT CARRIAGE

An optional lengthwise transport carriage is available to help transport Wide cultivators. This can be equipped with a hydraulic or manual raising system.



8-row rigid TIP 5" cultivator with 70cm inter-row spacing during work



8-row rigid TIP 5" cultivator with 70cm inter-row spacing during transport

Frame	Rigid									
	TIP 5" monobar						Double-bar TIP 5"		Monobar TOP 7"	
Width	3.5m			5.2m	6.6m		3.5m	5.2m	9.8m	
Number of rows	4	5	6	6	8	12	4	6	12	18
Inter-row spacing (cm)	65-80	50-65	45-50	65-80	65-80	45-50	65-80	65-80	70-80	45-50
Land wheels	○ 2 x (500x8)						● 2 x (500x8)		● 2 x (500x8)	
Unit type	Multicrop/SCD						Multicrop/SCD		SCD	
Transport width	3.5m			5.2m	3m with lengthwise transport carriage		3.5m	5.2m	3m with lengthwise transport carriage	

4-row manually folding TIP 5" cultivator with 75cm inter-row spacing



MANUAL FOLDING FRAMES

The manual folding frame is an economical solution providing an easier means of transporting the cultivator by road. A lever is used to fold in the outer units, which helps with road transport. When folded, maize cultivators with manual folding frames can be used to cultivate 2 fewer rows, i.e. 4 rows for a 6-row cultivator.

Frame	Manual folding		
Width	3.7m	5m 6.1m	
Number of rows	4 (2 if folded)	6 (4 if folded)	7
Inter-row spacing (cm)	65-80	65-80	60
Land wheels	○ 2 x (500x8)		
Unit type	Multicrop/SCD		
Transport width	2.2m	3.6m (1)	

12-row front-mounted cultivator with "inverted units" with 45cm inter-row spacing



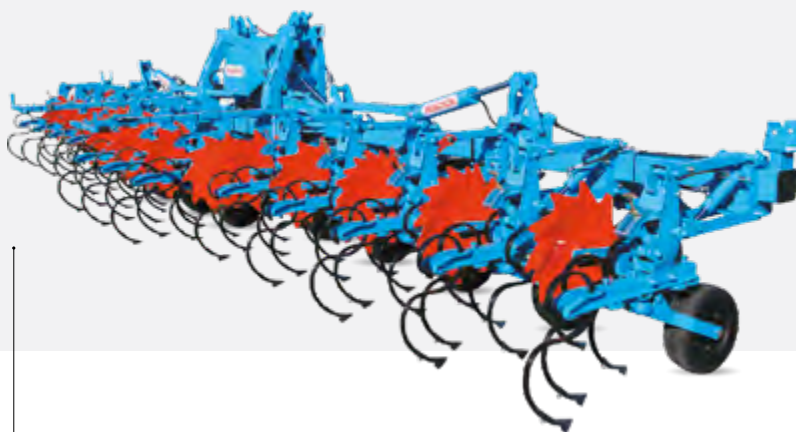
FRONT-MOUNTED FRAMES WITH "INVERTED UNITS"

Front-mounted cultivators are available with inverted units. The frames for these models are inverted, with cultivator units pushed rather than pulled (see p.14).

Frame	Front-mounted with "inverted units"						
	Manual folding			Hydraulic folding			
Width	3.5m			5.2m		6.7m	
Number of rows	4	5	6	6	7	8	12
Inter-row spacing (cm)	65-80	55/60/65	45/50	75/80	55/60/65	75/80	45/50
Land wheels	● 2 x (500x8)						
Unit type	Multicrop						
Transport width	3.5m			3.25m		3m	

●: Standard
○: Optional

FRAMES



HYDRAULIC FOLDING FRAMES

Hydraulic folding cultivators are equipped with a square-barred frame whose cross section is 5" x 5" (TIP 5"). Some models are equipped with folding mechanisms enabling them to cultivate different numbers of rows.



4/6-row hydraulic folding 5" TIP cultivator with 75cm inter-row spacing



With its 5-part folding frame and individual unit raising systems, the Wide cultivator folds to no more than 3m for transport.



When partially folded, the Wide cultivator can also cultivate 8 or 12 rows of maize. This means the same cultivator can be used on fields sown with planters of different widths!



12/8-row hydraulic-folding "Wide" cultivator
with 75cm inter-row spacing



8-row hydraulic folding 5" TIP cultivator
with 75cm inter-row spacing

Frame	HYDRAULIC FOLDING								
	Monobar		Offset hitch				Monoblock	Wide Monoblock	
Width	5.2m (2)		6.3m		6.7m		5.2m	8.9m (2)	
Number of rows	6 (4 if folded) (1)	7	9	12	8	11	6	12 (8 if folded)	18 (12 if folded)
Inter-row spacing (cm)	70/75/80	55/60/65	55/60	45/50	75/80	55/60	70/75/80	65/70/75/76.2/80	45/50/50.8
Land wheels	○ 2 x (500x8)						● 2 x (500x8)	● 2 x (23x10.5)	
Unit type	Multicrop/SCD						Multicrop/SCD	Multicrop	
Transport width	3.25m (2)	3.2m	3m				3.2m	3m	

● : Standard
○ : Optional
(1): 75cm inter-row spacing
(2): according to inter-row spacing

GUIDANCE SYSTEMS



SELF-GUIDING CULTIVATOR

Self-guiding cultivators are guided by disc coulters (1). These circular coulters allow the cultivator to follow the tractor perfectly. The 2 discs (4 on Wide cultivators) constantly center the cultivator on the tractor.

These self-guiding coulters are equipped with a crank-adjusted pressure spring. They are therefore constantly in contact with the ground and retract to avoid obstacles. If required, two screws mounted on the disc coulters can be used to ensure the coulters are parallel. This simple and economical system is suitable for all types of crops.

During work, the cultivator is kept at an appropriate height by the tractor's lifting system. However, optional land wheels are also available (supplied as standard for wide cultivators and/or those with fertilizers).



FRONT-MOUNTED CULTIVATOR WITH "INVERTED UNITS"

Front-mounted cultivators allow operators to cultivate right next to crops due to the outstanding visibility they offer. These cultivators (Multicrop range only) are equipped with "inverted units" that are pushed rather than pulled. As well as limiting costs, this mounting system reduces overhang and enables more accurate cultivation by following the direction taken by the tractor more closely.

Front-mounted cultivators are fitted as standard with 2 land wheels that keep the cultivator at an ideal height to operate the units. Indicator kits are also included as standard for this type of cultivator.



MANUAL GUIDANCE

A manual guidance system is available for crops with high added value. A steering bar (1) allows the operator sitting on the cultivator to direct the guide wheels (2), moving the cultivator from side to side to cultivate right next to crops without potentially ruining them.





MECHANICAL GUIDANCE

The third hitch point (2) controls the direction of the wheels (1), optimally guiding the cultivator to automatically follow the tractor, even on bends or slopes.

AUTOMATIC GUIDANCE BY TRACING DISC

A tracing disc fitted to the planter (or during the first cultivation) marks the soil. During cultivation, this imprint is followed by a guiding wheel that activates adjusting cylinders based on its position to move the cultivator from side to side.

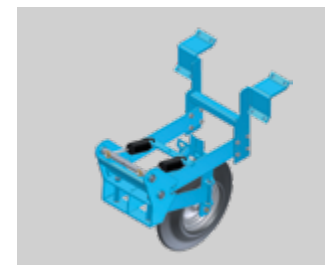
AUTOMATIC GUIDANCE

The frames of automatically guided cultivators are mounted on a parallel linkage whose movement is controlled by 2 hydraulic cylinders. 15cm sideways movement is possible on either side, allowing the cultivator units to work right next to crops, while also increasing work rate and ease of use.



TRACING DISC

Creates a precise imprint during planting and successive cultivations.



GUIDING WHEEL

Mounted on the parallel linkage to precisely follow the imprint created by the tracing disc.



CONTROL UNIT

This is used to switch from automatic mode to manual mode with joystick control.



AUTOMATIC GUIDANCE BY CAMERA AND FEELER RODS

- A combination of camera and feeler rods that can be used in any conditions (in terms of crops' growth stage, green cover, wind, etc.)
- For new or second-hand Multicrop cultivators with self-guided frames
- 15cm side offset on either side

**A FASTER, MORE USER-FRIENDLY CULTIVATOR
THAT GETS RIGHT NEXT TO CROPS!**



TECHNICAL CHARACTERISTICS

The Multicrop range

Frame		Rigid			Manual folding		Hydraulic folding				
		Monobar TIP 5"			TIP 5"		TIP 5"				Monoblock Wide
Width					3.7m	5m	4.9m	5.2m	6.3m	6.7m	8.9m ⁽²⁾
Transport width		3.5m	5.2m	6.6m	2.3m	3.6m	3.5m	3m			3m
No. of rows 45-50cm		6	-	12	-	-	-	-	12	-	18 (12 if folded)
No. of rows 50-65cm		5	7	9	-	-	-	7	9	11	-
No. of rows 65-80cm		4	6	8	4	6	6 ⁽¹⁾ (4 if folded)	6	-	8	12 (8 if folded)
Guidance	Self-guided	●	●	●	●	●	●	●	●	●	●
	Front-mounted with "inverted units"	○	-	-	○	-	○(3)	○(3)	○(3)	○(3)	-
	Manual	○	○	-	○	○	-	○	-	-	-
	Mechanical	○	○	-	-	○	○	○	○	○	-
	Automatic	○(3)	-	-	-	-	○(3)	○(3)	○(3)	○(3)	-
Fertilizer	Standard	○	○	○	○	○	○	○	-	-	-
	"High Capacity"	○	○	-	-	-	-	○	-	-	-
	Front 1,000 or 1,600L	○	○	○	○	○	○	○	○	○	-
Land wheels		○	○	○	○	○	○	○ / ● (4)	○	○	●
Transport carriage		-	-	○	-	-	-	-	-	-	-
Lighting kit		○	○	○	○	○	○	○	○	○	○
Weight of cultivator alone (65-80cm inter-row spacing)		575Kg	800Kg	1,020Kg	620Kg	870Kg	900Kg	930Kg	1,200Kg	1,300Kg	2,000Kg

● : Standard - : Not available (1): 75cm inter-row spacing only (3): even number of rows only and without fertilizer
○ : Optional (2): according to inter-row spacing (4): with 980L hopper

For other models, configurations or drive types:



The Supercrop (SCD) range

Frame		Rigid			Manual folding		Hydraulic folding			
		TIP 5"			TOP 7"	TIP 5"	TIP 5"			
Width						3.7m	5m	5.2m	6.3m	6.7m
Transport width		3.5m	5.2m	6.6m	9.8m	2.3m	3.65m ⁽²⁾	3m		
No. of rows 45-50cm		6	-	12	18	-	-	-	12	-
No. of rows 50-65cm		5	7	9	-	-	7	7	9	11
No. of rows 65-80cm		4	6	8	12	4	6 ⁽⁴⁾ (4 if folded)	6	-	8
Guidance	Self-guided	●	●	●	●	●	●	●	●	●
	Manual	○	○	-	-	○	○	○	-	-
	Mechanical	○	○	-	-	○	○	○	○	○
	Automatic	○(3)	-	-	-	-	-	○(3)	○(3)	○(3)
Fertilizer	Standard	○	○	○	-	○	○	○	-	-
	"High Capacity"	○	○	-	-	-	-	○	-	-
	Front 1,000 or 1,600L	○	○	○	-	○	○	○	○	○
Land wheels		○	○	○	●	○	○	○ / ● ⁽⁴⁾	○	○
Transport carriage		-	-	○	○	-	-	-	-	-
Lighting kit		○	○	○	○	○	○	○	○	○
Weight of cultivator alone (65-80cm inter-row spacing)		550Kg	770Kg	980Kg	1,890Kg	620Kg	840Kg	900Kg	1,150Kg	1,140Kg

MONOSEM ACCESSORIES



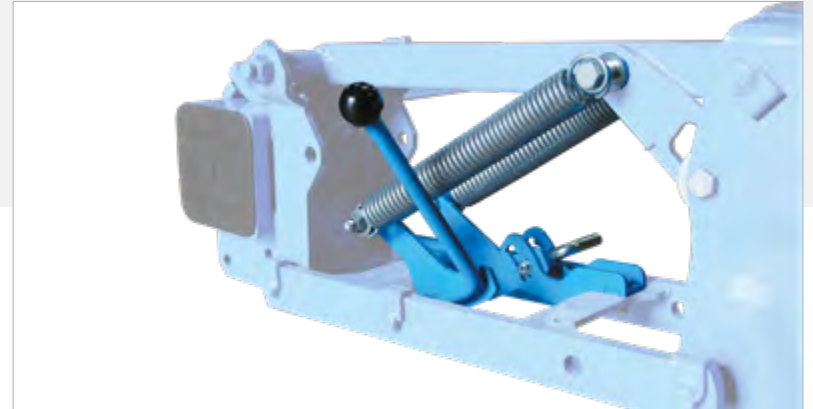
LELIÈVRE SHOVELS AND BLADES

A shovel that weeds between rows combined with a Lelièvre blade ideal for cultivating right next to the row. The Lelièvre blade is specially designed to cultivate on just one part of the tine, which is why it gets so close to the crops.



BEDDER

The bedder is designed to earth up crops and cover any weeds growing on a row.



ADDITIONAL PRESSURE SPRING KIT

The additional pressure spring helps penetrate even the hardest soils.



PLANT PROTECTION DISC

This protects the rows during cultivation. The discs ensure safe cultivation.



COMBS

Double the cultivation efficiency: with their roots revealed, weeds dry out faster in the sun. The comb also levels the soil.

ERMAS ACCESSORIES



BEDDING DISCS

Smothers weeds on the row by covering them with soil.



TINED WEEDER

This is ideal for stony and/or trashy soil to avoid jamming.



ROTATIVE WEEDER

The rotative weeder is used at the early stages of crop development to uproot any weeds growing on the row. It also removes crusting from areas that have not been cultivated by tines.



FINGER WEEDERS

These should be used when crops are sufficiently developed for weeds to be uprooted on the row.



CONTINUALLY ADJUSTABLE PLANT PROTECTION PLATE

This item can be adjusted to crops' stage of growth, protecting rows during cultivation. Particularly suitable for sugarbeet and vegetables.

FERTILIZERS

Front-mounted hoppers



STANDARD HOPPERS

Standard plastic hoppers are available in two sizes.

- 175L hopper with 2 or 3 outlets
- 270L hopper with 3 outlets

These can be mounted on rigid 4 to 8-row cultivators (65-80cm inter-row spacing) or 6 to 12-row cultivators (45-50cm inter-row spacing), or on folding 4 to 6-row cultivators (65-80cm inter-row spacing).

"HIGH-CAPACITY" HOPPERS FOR RIGID FRAMES

"High-Capacity" hoppers are available for 4 to 6-row cultivators (65-80cm inter-row spacing) with rigid frames. 500 or 600kg sacks can be loaded easily using the "High-Capacity" hoppers' large openings.

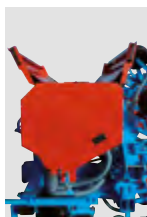
"HIGH-CAPACITY" HOPPERS FOR FOLDING FRAMES

"High-Capacity" 980L hoppers are available for 6-row cultivators (65-80cm inter-row spacing) with hydraulic folding frames. The outer rows are powered by pumped air supplied by a turbofan driven by the power take-off. The hopper is equipped with transparent windows enabling visual inspections of fertilizer levels from the tractor cab. 500 or 600kg sacks can be loaded easily due to the fertilizer unit's capacity and wide opening.



QUICK AND EASY TO EMPTY

"High-Capacity" fertilizer hoppers with folding frames are equipped on either side with a hatch and tube enabling the hoppers to be emptied quickly and easily.



V-SHAPED OPENING

"High-Capacity" hoppers for folding frames can be filled "cleanly" and easily with fertilizer using the V-shaped opening system.

Basic features	Standard hopper	"High-capacity" hopper for rigid frames	"High-capacity" hopper for folding frames	Front-mounted hopper
Capacity (number of rows at 45-50cm)	2 x 175L (6 rows) 4 x 175L (12 rows)	-	-	1,000L - 1,600L (6 to 12 rows)
Capacity (number of rows at 65-80cm)	2 x 175L (4 rows) 2 x 270L (6 rows) 4 x 175L (8 rows)	1 x 1,000L (4 rows) 2 x 700L (6 rows)	1 x 980L (6 rows)	1,000L - 1,600L (4 to 8 rows)
Min/max output at 75cm inter-row spacing with the standard auger	80 to 350kg/ha	80 to 350kg/ha	80 to 350kg/ha	Output according to speed and quality of fertilizer
Min/max output at 75cm inter-row spacing with the high-output auger	160 to 700kg/ha	160 to 700kg/ha	160 to 700kg/ha	
Frame type	Rigid Manual folding	Rigid	Hydraulic folding	Rigid - Manual folding Hydraulic folding
Land wheels	○	•	•	○
Big-Bag loading	-	•	•	•

FERTILIZERS

Equipment for mounted hoppers

→ EASYADJUST

Download the free Monosem "EasyAdjust" app from Google Play or App Store to help you adjust your fertilizers.



→ FERTILIZER ADJUSTMENT

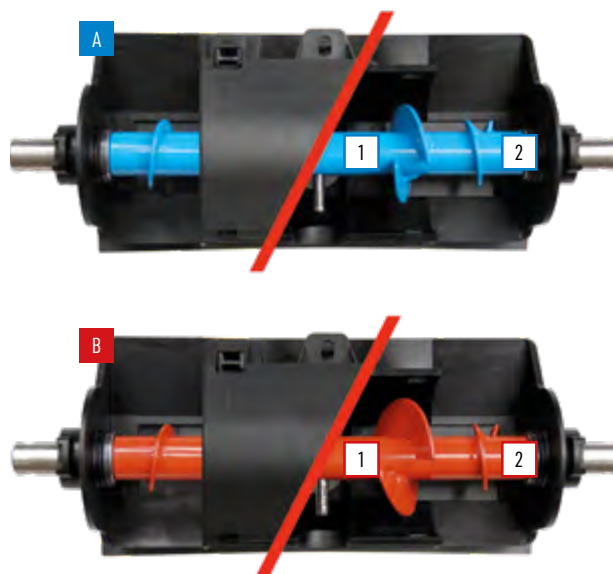
A 12-ratio gearbox is used to adjust the quantity of fertilizer applied during planting.

The quantity applied can be adjusted quickly using the chart supplied with the fertilizer units.

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 80 to 350kg/ha of fertilizer at inter-row spacing of 75cm and 120 to 525kg/ha at inter-row spacing of 50cm.

"High-output" augers (B) are red with a larger pitch enabling them to meter 160 to 700kg/ha of fertilizer at inter-row spacing of 75cm and 240 to 1,050kg/ha at inter-row spacing of 50cm.

LOCALIZED FERTILIZER APPLICATION

Fertilizer can be applied to one side of the row (1) or on either side (2).

It is subsequently buried by the cultivator tines.



LAND WHEELS

For models with a "High-Capacity" fertilizer, height-adjustable land wheels keep the cultivator at a constant height.

FERTILIZERS

Front-mounted hoppers

Monosem's front-mounted hoppers have been specially designed for fertilizer application. They are available with an ISOBUS electric drive or tire wheel drive.

In both cases, the heavy-duty frame with integrated cradle is combined with a premium-quality 100% stainless-steel distribution unit. This hopper is available in capacities of 1,000L or 1,600L driven by a power take-off turbofan or hydraulic motor.

The assembly can be mounted on 4 to 8-row cultivators (65-80cm inter-row spacing) with rigid or folding frames. For maximum versatility, the front-mounted hopper can be fitted to a planter to apply fertilizer during planting.



CYCLONES

Cyclones are fitted opposite each metering unit allowing the fertilizer to drop by gravity thus limiting dust formation caused by pumped air.



STAINLESS-STEEL DISTRIBUTION UNIT

The 100% stainless-steel metering system on the front-mounted fertilizer has two closing hatches and can be quickly removed.



STANDARD FRONT-MOUNTED HOPPER

1,000L and 1,600L standard front hoppers are available. The assembly can be fitted to cultivators with up to 12 rows. This fertilizer is equipped with a stainless-steel distribution unit and a mechanical or electric drive allowing rapid adjustments to the quantity of fertilizer applied.



FRONT-MOUNTED DUO HOPPER

1,500L and 2,100L DUO front hoppers are available. The assembly can be fitted to cultivators with up to 18 rows. This fertilizer is equipped with a stainless-steel twin distribution unit and an electric drive allowing rapid adjustments to the quantity of fertilizer applied. You also have the option of separating the hopper into two compartments, enabling two different products to be distributed simultaneously.





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.: 303953566 - Trade and Companies Register: NIORT

Reference no.: 90400EN

www.monosem.com

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Monosem is committed to the environment

