

MONOSEM

The precision Planter specialist



MONOSEM New Features Guide - 2019

www.monosem.com

EN

70 YEARS OF INNOVATION

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1 Manufacture

2 Quality control

3 Paint line

4 Assembly

5 Spare parts

6 Showroom / Training center

MONOSEM

SERVING PRECISION

Founded in 1948, the RIBOULEAU MONOSEM company has always placed customer satisfaction at the center of its priorities.

Expertise

Quality

Performance

EXPERTISE

- *Innovation* for 70 years now to adapt products to the new practices, whilst conserving the key feature of the precision planting,
- *The advice* provided by an experienced technical sales team,
- *The choice* to meet all needs via the most complete range of the market,
- The maximum **reactivity** for sending your spare parts.

QUALITY

- *The components* carefully selected to maximize the strength, precision and lifetime of the machines,
- *The proven technologies* for simple and precise use of machines,
- *Thorough control* at all stages of the manufacture,
- High-priced **resale** demonstrates the manufacturing quality, robustness and availability of spare parts.



PERFORMANCE

A controlled PLANTING

- ✓ Versatile distribution
- ✓ Optimal seed placement



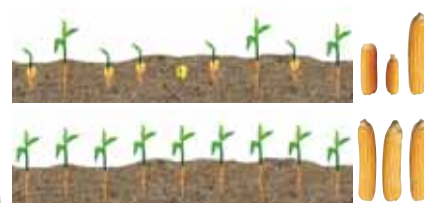
A successful plant EMERGENCE

- ✓ Quality pressing
- ✓ Optimal germination
- ✓ Quick plant emergence
- ✓ Regular crop development



An optimized YIELD

A seeding quality decisive for your performance!



From the conception to the use of your machines, MONOSEM implements all its know-how to guarantee a successful seed placement of your crops!

WINGFOLD FULL

The 8-row WingFold full electric planter is equipped with Monoshox NX M_E metering units, with a 1350L fertilizer and with Microsem. This planter is a new full electric solution managed from the cab via an ISOBUS terminal.

Monoshox NX M_E metering units



- Metering units with electric drive.
- Non-stop modulating of the seed population directly from the tractor cab.
- Row by row cut-off (manual or automatic if the terminal is linked to a GPS antenna).

ISOBUS Terminal



- Compatible with the ISOBUS TOUCH Mini, TOUCH, TOUCH Pro terminals or the tractor terminal (if it is compatible).
- Seed population, fertilizing and microgranulates quantity control.



Fertilizer with FertiDrive^{VE}



Microsem with MicroDrive^{VE}



ELECTRIC PLANTER



- Fertilizer with electric drive.
- Non-stop modulating directly from the tractor cab.
- Section cut-off (manual or automatic if the terminal is linked to a GPS antenna).

- Microsem with electric drive.
- Non-stop modulating directly from the tractor cab.
- Section cut-off (manual or automatic if the terminal is linked to a GPS antenna).

AEF certified features



MONOSEM received the AEF certification for its electric planter ECU (ECU S8000E) and its electric front-mounted

fertilizer ECU (ECU F800E). This certification guarantees a maximum compatibility between the tractor and MONOSEM tools.

The MONOSEM planters are certified UT, TC-BAS, TC-SC and TC-GEO. The front-mounted fertilizers are certified UT, TC-BAS and TC-SC.

● UT feature

The terminal is the interface allowing the user to control the planter. Certified UT, the planters and the front-mounted fertilizers can be managed with all the ISOBUS compatible terminals.

● TC-BAS feature

The TC-BAS feature enables the automatic and continuous saving of all data concerning the work done.

● TC-SC feature

Planters with ECU S8000E have the TC-SC (Section Control) feature. This function allows the automatic row cut-off control according to the GPS position and the desired degree of overlap.

● TC-GEO feature



The electric drive offers the possibility of non-stop modulating of the quantities directly from the tractor cab. Due to the TC-GEO feature integrated to electric planters (with ECU S8000E), the quantities can be managed automatically according to the planter position in the field.

The seed population, the fertilizing and the microgranulates are automatically managed according to recommendation maps and adjusted depending on the field potential.

MULTISLIDE FRAME WITH

To meet farmers demands for multi-purpose planters, MONOSEM developed a new frame range named MultiSlide.

Based on a sliding system of the metering units, it allows multiple possibilities to suit the different inter-row spacings.

Folding of the wings



- 3-metre transport width (also available in 2m55 version on certain models).
- Folding wings for working width of 4m00, 4m50 or 6m00 depending on the model.
- Wings automatic locking in transport position.
- Can be used with a low powered tractor due to its limited weight.

Integrated sliding rail



- Hydraulic sliding of the metering units.
- System with short off-set: reduced overhang.
- Claw system for a reliable and optimal sliding.
- Integrated safety system (sliding of the metering units impossible with folded wings).

Front wheel units with wide wheels



- 2 Front wheel units.
- 26x12 Wheels (23x10,5 wheels on 2m55 version and version with fertilizer).
- Rapid adjustment of the tread to suit the inter-row spacing.



Available models

Frames	MultiSlide 6/7-row			
Width of the frame	4 m 00		4 m 50	
Transport width	2 m 55		3 m 00	
Metering units	Monoshox			
Number of rows	6	7	6	7
Inter-row spacings (cm)	75	50/60	75/80	50/60
Tyres	2 x (23 x 10,5)		2 x (26 x 12)	
Fertilizer				
Microsem				
Crops (example)	Maize, sunflower, rapeseed, sorghum, soya, ...			

A multi-purpose frame to meet all your requirements!

MULTIPLE INTER-ROW SPACINGS



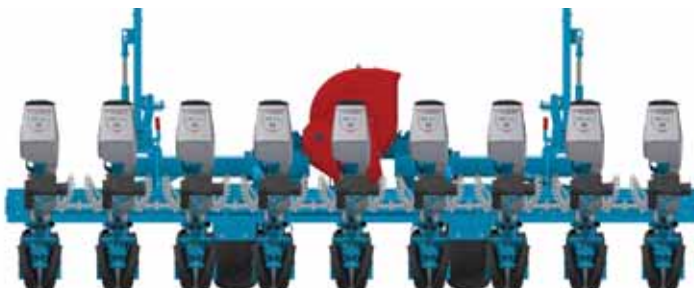
Transport position: 3-metre width on the road (2m55 on certain models)



Unfolding of the wings



Metering units sliding sideways



Example of configuration: 9 rows at 50 cm



Example of configuration: 6 rows at 75 cm

MultiSlide 6/9-row		MultiSlide 8/9-row	
4 m 50		6 m 00	
3 m 00		3 m 00	
NG Plus M€ or NG Plus 4€ (electric drive)			
6	9	8	9
75/80	45/50	75/80	55/60
2 x (26 x 12)		2 x (26 x 12)	
On option - Front-mounted hopper			
On option - MicroDrive ^{VE} (electric drive)			
Maize, sugarbeet, rapeseed, beans,		Maize, rapeseed, sunflower, sorghum, ...	

See the demo
in video!



Exclusive inter-row spacing adjustment system

- All the configurations are available permanently on the planter.
- Locking system without pin.
- Inter-row spacing adjustment by steps of 2,5 cm (from 45 cm to 80 cm depending on the model).



FERTILIZER

The CT 3500 is a pull-type fertilizer cart combined to a planter or a cultivator up to 12 maize rows. Its 3500L capacity offers an important fertilizing autonomy.

Distribution



- Double stainless steel distribution unit
- Easily-removed dosing wheel
- Electric drive with electronic dosing regulation with radar
- Managed via ECU F800E UT, TC-BAS and TC-SC certified
- Control from the cab via ISOBUS terminal
- Metering anticipation function
- Pneumatic conveyance of the fertilizer to the units with discs through 2 distribution columns placed on the planter

Hopper



- 3500L capacity
- Retractable lateral access platform
- Hopper bottom agitator
- Hopper sensor



Models available with the CT 3500

Planter model		Double bar folding frame			
Planter width		6 m 00			
Number of rows		8	12		
Inter-row spacing (cm)		70/75	80	45/50	75
Transport width	710/50R22,5 wide tyres	3 m 00			
	270/95R32 twin-wheels	3 m 00	3 m 50	3 m 00	

Tyres

- Low pressure 710/50R22,5 tyres as standard
- 270/95R32 Twin-wheels on option to avoid riding on the future seeding line or for cultivating use
- Available with hydraulic (standard) or pneumatic (option) braking system



CART CT 3500



Hitches

- **Front hitch:**
 - Standard hitch or K80 ball hitch (on option)
 - Hydraulic stand
- **Rear hitch:**
 - 4T rear lift
 - 3-points hitch cat. 3/3N
 - PTO shaft, hydraulic and lighting sockets



Ballast

- Two 500kg removable weight to balance the CT 3500 and to fit to the weight of the rear machine.



TFC2 Folding frame					CRT Folding frame		
6 m 00					9 m 00		
8	9	11	12	16	12		13
80	55/60	55	45/50	37,5	75	80	60
3 m 00		3 m 20	3 m 00		3 m 00		3 m 50
3 m 50					3 m 00	3 m 50	

- Homologated to ride on the road with loaded hopper in France (For other country, homologation has to be made by importer).
- Can be used for cultivating

Autonomy
Modularity



MS VERSION V METERING UNIT

The MS range, already composed of the A, B, B2, C, D and D2 versions is completed with the V version. This version is equipped with a shoe with double disc openers for low-till planting conditions and/or with residue.



1 The self-cleaning 285x65 wheels, combined with 2" front wheels, ensures an optimal seeds depth control.

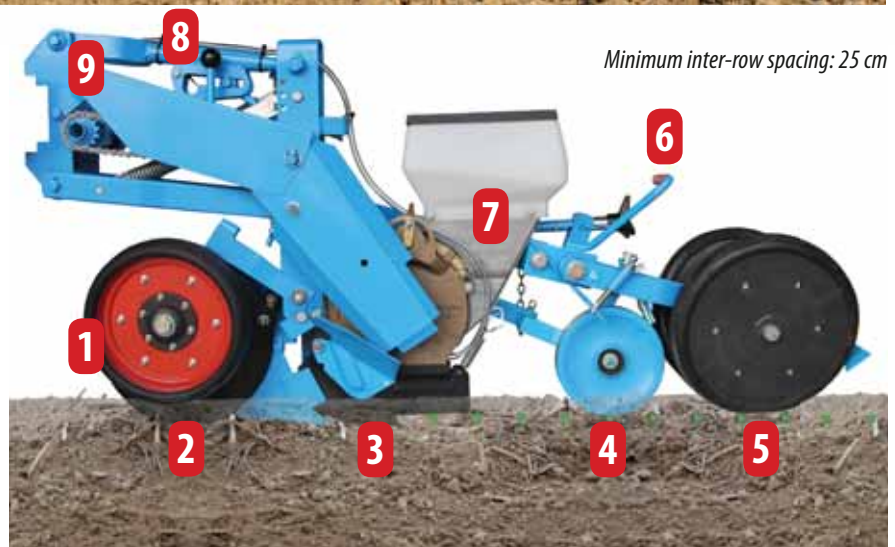
2 The optimal planting is ensured by the double disc openers, even in low-till conditions and/or with residue.

3 The furrow made by the shoe enables a good seed-soil contact.

4 The iron cast press wheel with stainless steel coating improves the seed-soil contact and allows obtaining quick and regular emergences.

5 The 2" self cleaning wheels ensure the furrow closing.

6 An adjustment hand wheel, associated to the balancing system, ensures a precise planting depth.



Minimum inter-row spacing: 25 cm

7 The versatil MS distribution allows high precision market gardening seeds planting.

8 The adjustable pressure springs improve the unit stability and its penetration capacity.

9 The row cut-offs (on option) are managed, from the cab, manually or automatically by GPS (Section Control).



Manage the seed population from the cab thanks to the hydraulic drive.

Managed via an ISOBUS terminal, the S7000H ECU controls the distributions for a quick and easy adjustment of the distance between seeds.

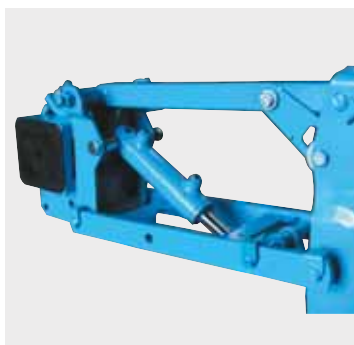
**The MS distribution precision,
the planting versatility in addition!**

CULTIVATOR WITH AUTOMATIC GUIDING AND ROW UNITS LIFT

The MULTICROP cultivator is equipped with several technologies improving the cultivating efficacy for row crops and market gardening in conventional or biological conditions.



Row units hydraulic lift



- Controlled via electro-hydraulic valves.
- Managed, from the cab, manually or automatically (if it is linked to an ISOBUS terminal and to a GPS antenna).

Automatic guiding



- Automatic camera guiding and row feelers no matter the stage of development of the crop and the grass.
- This system can be adapted on all Multicrop cultivators (new or in service) with automatic guided frames. It allows a 15cm lateral off-set on each side.

**Non-worked areas removal
(in particular at field ends)**

Better work conditions

**Cultivating at the
nearest of the culture**

**Better work conditions
and speed**



Additional accessories

Several accessories are available to improve the cultivating efficacy:

- rotary fingers,
- rear combs,
- additional pressure springs,
- disc ridgers,
- Adjustable plant protection discs...



Mounted directly on the units,
the accessories work stops when
lifting the units.



Re-sale value

The re-sale value gives a good indication of the quality of a product and its suitability to the market. So when you decide to sell your MONOSEM planter, you will appreciate its high re-sale value.

MONOSEM quality

The quality has always been a main concern of MONOSEM. This is why when manufacturing the greatest care is taken in the quality control of the products.

Advice

The MONOSEM partners are specialists qualified to inform you on planting and help you out with solid advice.

The experience

Throughout the world, quality and reliability are often associated with MONOSEM. This is the result of a certain know-how gained in over 70 years of experience in agriculture.

Spare parts

Our spare parts department have available a large stock of original spares and accessories. So even after several years you will be sure to find the parts you require at your MONOSEM partners.



Multi-purpose pneumatic
Monoshox NG Plus M
planter with discs

Multi-purpose pneumatic
NG Plus 4 planter with discs

Special pneumatic « low-till »
planter Monoshox NX M
with discs

Multi-purpose pneumatic
planter with NC shoes

Special vegetable planter
for mini-seeds MS

Mechanical planter for
pelleted sugarbeet MECA V4

SCD and
Multicrop cultivators



The precision Planter specialist

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Distributor



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.

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