

MONOSEM**MONOSEM**

IIRB Seminar 13th May 2011

MONOSEM

IIRB Seminar

Company SCD Cultivator Guiding systems Equipments Accessories

MONOSEM is a French family company of 200 people specialized in the production of planters and cultivators

65% of production is exported to 80 countries including through its U.S. subsidiary, MONOSEM Inc., located in Kansas City.

Starting in the early '50s, the company developed a range of cultivators

**MONOSEM**

IIRB Seminar

Company **SCD Cultivator** Guiding systems Equipments Accessories

For hoeing beets Monosem offers the SCD range of cultivators :

- 6 rows (45/50)
- 12 rows (45/50)
- 18 rows (45/50)

These hoes are available with different frames:

- rigid,
- rigid with integrated transport carriage
- Hydraulic folding

**MONOSEM**

IIRB Seminar

Company SCD Cultivator **Guiding systems** Equipments Accessories

For hoeing sugarbeets four guidance systems are available:

- Self-guiding System
- Front-Mounted
- Automatic Guiding with Track
- RTK Auto guiding



MONOSEM

IIRB Seminar

Company SCD Cultivator **Guiding systems** Equipments Accessories**Self-guiding System:**

On the self-guiding cultivators, the guiding is done by the stabilizer disc coulters. These coulters thus enable the cultivator to follow the tractor perfectly.

This simple and economical system is suited to all crops.

**MONOSEM**

IIRB Seminar

Company SCD Cultivator **Guiding systems** Equipments Accessories**Front-Mounted:**

The tractors equipped with a front hitch can use a front-mounted cultivator. These cultivators enable the driver to cultivate very close to the crop due to excellent visibility.

The also offer a better driving comfort. These cultivators are equipped with front land wheels.

**MONOSEM**

IIRB Seminar

Company SCD Cultivator **Guiding systems** Equipments Accessories**Automatic Guiding with track:**

The automatic guided cultivator has a precise and reliable guiding system no matter the stage of development of the crop. A tracing disc placed on the planter (or during the first cultivating passage) traces a mark in the soil. This trace is taken up when cultivating by a wheel which operates the detectors. The detectors control the hydraulic unit linked to the lining up cylinders in order to ensure cultivating as near as possible to the crop.

**MONOSEM**

IIRB Seminar

Company SCD Cultivator **Guiding systems** Equipments Accessories**RTK Auto guiding:**

With the development of auto guiding system, it is now possible to guide a cultivator.

The tractor gets the guide made at planting and provides guidance to the cultivator. This system requires no guidance system on the hoe.



MONOSEM IIRB Seminar

Company SCD Cultivator Guiding systems **Equipments** Accessories

Equipment for SCD cultivator unit

MONOSEM IIRB Seminar

Company SCD Cultivator Guiding systems **Equipments** Accessories

Equipment for SCD cultivator unit

Inter rows 45 to 65 cm

SCD cultivating unit with plant protection discs		3 times per unit with share of 150 and plant protection discs
SC cultivating unit without plant protection discs		3 times per unit with share of 150
SC CL cultivating unit with shovel and Lelièvre blades		1 "V" Blade of 25 and 2 sugar beet Lelièvre blades per unit
Crops	Sugarbeet, Sunflower, Rapeseed, Beans,...	

MONOSEM IIRB Seminar

Company SCD Cultivator Guiding systems Equipments **Accessories**

Cultivator accessories:

- Localized Fertilizing
- Localized Herbicide

(According to the country)

MONOSEM