

MONOSEM Innovations AGRITECHNICA 2009

MONOSEM will be exhibiting on their stand at AGRITECHNICA (Hall 11, Stand B 52) several new features. The precision planter specialist will be exhibiting many solutions for solid fertilization during planting.

NG Plus 4 - 7-row precision planter with 1020-litre fertilizer

The advantage of this planter is to be able to use tractors with treads of 1m80 to 2m10 wide. Effectively, tractors whose power is adapted to planting with a 6 or 7-row planter are more frequently with a large tractor tread. And with this tread, planting is impossible with a 6-row planter without having to run over the future planting row. This is why it is often necessary to modify the tractor tread to 1m50-1m60. Today with the 7-row planter with inter row spacings of 60 or 70cm, it is possible to maintain a wide tractor tread, the tractor straddling the equivalent of 3 rows instead of the usual 2 rows. The NG Plus 4 metering units of the planter are positioned on a double telescopic frame equipped with front wheel units. In transport position, the width of the planter is thus 3m to 3m20 according to equipment.



This new 7-row precision planter will be exhibiting at Agritechnica with high capacity hopper and fertilizing unit with discs.

Proposing this new 7-row planter, MONOSEM matches the development of the tractor treads and power and offers farmers a solution in order to avoid repeated tread changes.

NG Plus 4 - 12 row Biogas precision planter with front-mounted fertilizer

Developed to fertilize corn biogas crops, the NG Plus 4 – 12 row folding planter with 45 or 50 cm inter row spacings and front-mounted fertilizer can also be used for Sugarbeet or Rapeseed planting. The unit is composed of a front-mounted fertilizer with capacity of 1000 litres (1600 litres with extension). A blowing system by turbofan transports the fertilizer to the planter. A wheel on the fertilizer drives the distribution system, and the distribution, in stainless steel, combines precision and longer life.

At the rear, the 12-row folding planter is equipped with NG Plus 4 metering units. A



distribution column with distribution head fixed on to the planter distributes the fertilizer product to the cyclones for a fertilizer drop by gravity to the fertilizing unit with discs.

The floating folding frame has independent wings for a perfect following of the ground.

This configuration allows good load distribution, a larger working independence and makes transport easier on the road because the unit does not exceed 3m.

NG Plus 4 - 8 row folding planter and fertilizer hopper C3000

The fertilizer hopper C3000, developed in collaboration with SULKY Company, and the NG Plus 4 – 8 row folding planter offer a larger working independence to the farmers and makes transport easier on the road.

The hopper rests on a pull-type frame equipped with large diameter wheels, and has a 3-point lift system to the rear to hitch up the planter. The design of the frame makes a good load transfer to the tractor either full hopper or empty hopper. The wheels on the hopper positioned in the inter row spacing limit the packing of the soil on the planting line. The hopper can be equipped with twinned wheels. The fertilizer hopper and the 8-row folding planter offer a width transport under 3m for easier transport on the road.

The 3000-litre hopper offers a wide operating radius. It has, as standard equipment, an access ladder, a platform and a tarpaulin. Its high capacity and its elongated shape enable an easy loading of Big Bags or directly with a loading bucket.

The distribution system has an output proportional to the mechanical forward travel. The volumetric distribution enables adjustment with an excellent precision of the quantity of fertilizer spread up to 450 kg/ha at 7 km/h. A blowing system by turbofan transports the fertilizer to the discs. Each disc equipment is equipped with cyclones to allow the fertilizer drop by gravity and thus limiting the dust forming due to the pulsed air.

In the cab, a hydraulic selector enables the control, with just one double action, of all the planter and fertilizer functions.

MONOSEM proposes a new solution for solid localized fertilization for large farms and contractors.



NG Plus 4 - 12 row coupled planter with lengthwise transport carriage

To further meet with large farms requirements, MONOSEM will be exhibiting a 12-row precision planter at 75 cm inter row spacing.

The coupled frame is the coupling of 2 standard monobar frames. The 2 frames are supported by a double 180x180 mm bar. The double 180x180 mm coupling bar has an incorporated suction system.



The fixing system of the planters on to the coupling bar allows each unit to follow the ground contours. The unit is equipped with four 270-litre plastic hoppers fertilizer (total capacity 1080 litres) and fertilizing unit with discs. The transport on the road is made easier with lengthwise transport carriage with hydraulic lift and air brake system (option). A version with hydraulic brake system is also available. This frame is equipped with triple row markers with compact folding for a minimum transport dimension.

MONOSEM meets the growing needs of wide configuration large planters. This type of frame is suitable for 16-row maize planters or 18-row sugarbeet planters.