JOSKIN

SIMA 2017

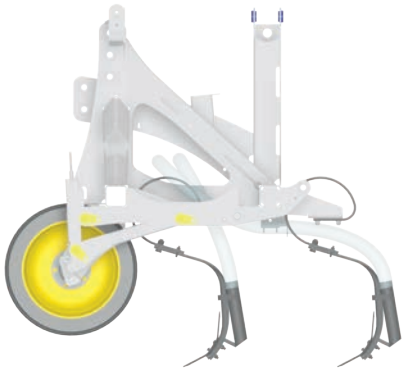
NEW INJECTORS WITH 37.5 CM AND 18.75 CM SPACING

A precision agriculture goes along with modern tools, adapted to the most common uses but also, more and more, with a limited costs directed development and the respect of environment.

While reducing spacing of the injectors to 37,5 cm (previously 40 cm), this results a more homogeneous slurry spreading without increasing the spread quantities.

TERRAFLEX:

For a more conventional use, thanks to this reduced spacing and to the flexible tines (type Everstrong) 6,5 cm wide, the new Terraflex allows to spread reducing significantly the areas "without slurry" present between the injection lines. That dimension is the best compromise to avoid blockages of vegetable residues (e.g. maize canes).



The farmer « 2.0 », willing to reduce the costs of his inputs, will be able to spread exactly in the seedling lines with the same machine. By stopping slurry feeding on one of the tine rows, injection is carried out in spacings of 75 cm.

Combined with a GPS system, the passage afterwards of a seeder will be made in the injector lines to use as much as possible the nitrogen input, which is essential to the growing of the plants and to avoid to spread where it's not necessary.

Terraflex XXL

Model	Working width (m)	Transport width (m)	Number of tines	Spacing (cm)	Weight (kg)
5625/15SHK/2	5.625	2.85	15	37.5	1,650
6375/17SHK/2	6.375	2.85	17	37.5	1,875
7125/19SHK/2	7.125	2.85	19	37.5	2,075

Non contractual data, subject to changes.

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SOLODISC:

The Solodisc XXL was designed in that state of mind. The spacing of 18.75 cm (against 21.5 cm on the other SOLODISCs) allows to meet the requirements of customers who want to improve the distribution of slurry and/or reduce the injection depth. This distance between the elements makes the injectors perfectly adapted to the arable grounds (such as cereals).

To keep the same weight of the machine while increasing the number of discs, those are now made of metal and NBR nitrile rubber and are twice lighter for a resistance to wear equally high thanks to the vulcanization. This reduced weight allowed the development of the Solodisc XXL whose maximum width reaches 8,25 m.

From the simple and logic idea to develop our injectors for a sensible growing method is born a new even larger range of tools.

BACKGROUND

Many studies show for years that the use of as slurry injector allows to limit losses, either with leaching with a perfect distributing or with a direct injection into the ground (limiting ammonia losses). A spreading with a scatterer may cause losses up to 100 % of the available mineral nitrogen in the slurry, depending on the conditions. There are two solutions at Joskin to overcome this disadvantage. The first one is the Solodisc meadow injector which will cut the ground with its disc and place the slurry in this slot. Since the contact between air and fertilizer is greatly reduced, ammoniacal losses will be lower than 15%. Then, the use of a Terraflex arable injector laying the slurry directly into the ground by means of vibrating tines will fully avoid this type of loss.

Solodisc XXL

Model	Working width (m)	Transport width (m)	Number of tines	Spacing (cm)	Weight (kg)
6750/36SDH2	6.75	2.64	36	18.75	1,950
7500/40SDH2	7.5	2.64	40	18.75	2.200
8250/44SDH2	8.25	2.64	44	18.75	2,640

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