



The new ValoTerra Ultimate seed metering unit

IMAGE SOURCE: Monosem

Seed planting: innovative addition to ValoTerra range by Monosem

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Precision planting from 2 to 18km/h with new ValoTerra Ultimate

Speed makes sense when it is controlled. The new ValoTerra Ultimate has been designed to be able to plant seeds from 2 to 18 km/h, without compromising consistency nor depth. A precise planting, regardless work speed, which fulfils both farmers and contractors' needs. ValoTerra Ultimate first public preview will be held at Sima.

Within the ValoTerra family, can I have the Ultimate? When one knows that the adjective ultimus means 'at the uppermost' or 'at the greatest level', it must be acknowledged that this new addition to the range has been

aply named. With the **ValoTerra Ultimate**’ launch, the **seed planting world specialist widens the scope of possibilities**, as Flavien Cattoni, Product Manager at **Monosem** explains: *“ValoTerra Ultimate is the new seed planting from the ValoTerra range by Monosem, specifically designed for **optimising sowing quality, from 2 to 18 km/h, whilst freeing farmers from speed constraints.**!”*

Far for just being an additional product innovation, ValoTerra Ultimate is a new technology to serve users, as it answers pressing request of the market: to propose a seed planter for which speed is no longer an issue. *“Today, thanks to ValoTerra Ultimate, the ability to **maintain the performance level in terms of consistency and depth, both at high, medium or low speeds, to manage the diversity of crops to be planted, and also the ability to spread the right fertiliser amount at a high speed, are now possible**”,* adds Flavien Cattoni.

To **maintain optimum emergence, at high, medium and low speeds**, Monosem has developed ASG system (for **Active Seed Guidance – see opposite box**) which adapts to the planting speed and is based on a brush conveyor which guides the seeds to the furrow, at a rate proportionate to the tractor’ working speed, **getting rid of any bumps or vibrations**. For optimum emergence, the vacuum-based seed metering system ensures **planting precision and versatility**. The metering box is equipped with smooth discs, a patented insert and electric drive, all of which help increase precision at higher speed. Seeds are then supplied to the patented cellular loading wheel, which insert each of them in the brush conveyor thanks to a guiding rods system, and finally to the furrow. Also, to be outlined: the brush conveyor belt that is grooved to ensure optimal alignment, perfect rotation and minimal wear.

During the previous decades, intensified crop rotations have led to **widen variety of species to be planted**. The new ValoTerra Ultimate planter offers a **unique solution**, able to manage small and large seeds, thanks to SmartAccess exclusive system which enables to **switch from conveyor system to chute system in less than 2 minutes per row**. Crop diversity is no longer an issue: just change the disk!

Importantly, further to planting optimisation, ValoTerra Ultimate can also spread the **exact fertiliser quantity at high speed** thanks to FertiSmart, the new pneumatic fertiliser unit which applies up to 450kg/ha from an 8-row planter (with 75 cm inter-row spacing) at 15 km/h. An additional innovation enables the users to **apply nutrition and protection solutions to the seed when planting**: MicroSmart ensures highly consistent application at any operating speed and also application of 2 products at the same time (e.g. starter fertiliser and insecticide) from 2 separate hoppers per metering unit.

Furthermore, ValoTerra Ultimate goes along with its times, being managed electrically by a new 56V architecture to unleash its performance potential.

Come and **discover ValoTerra Ultimate at Sima (Hall 6 Stand F027).**

Source: Monosem

SEED DRILLS