

# INNOVATIONS 2013

## TERRASEM fertilizer



*Find out more online!*





TERRASEM C6 fertilizer

# TERRASEM fertilizer

## Mulch seed drills with direct fertilisation

### Advantages

#### 2-section seed hopper

- 2-section seed hopper with moveable partition for seed and fertilizer – divided 40:60, 50:50 or 60:40
- 2 metering systems

#### Direct fertilisation

- Seedbed preparation
- Fertilizer is placed in rows between 2 seed rows; placement depth up to 100 mm
- Variable placement depth
- Non-Stop trip system on coulters
- All controls and monitoring functions integrated into a single terminal
- Distributor in V4A steel

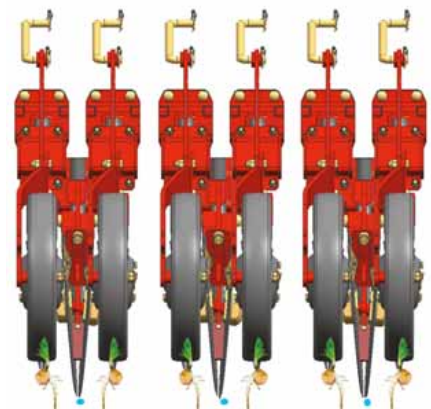
#### Dual-Disc exakt coulters

- Straight disc with new sealed bearings
- 380 mm diameter
- 25 mm row spacing
- Coulters pressure up to 80 kg
- More clearance to side
- Unrestricted flow of soil
- Easy-change discs

Pöttinger adds a further innovation to its TERRASEM series of mulch seed drills: direct fertilisation. Using direct fertilisation technology enables micro and macro nutrients to be placed at the same time as the seed grain. Optimum growth conditions are created during the early phase of seed growth as a result, increasing the potential performance of the crop.

#### Dual-Disc exakt coulters system

The Dual-Disc Exakt coulters method involves placing fertilizer between each double seed row using the coulters mounted behind the compact harrow unit integrated into the TERRASEM seed drill. The fertilizer placement depth can be adjusted independently of cultivating and sowing depths. The surface is then consolidated across the whole working width before the seed is drilled. The Dual-Disc Exakt coulters thus places a deposit of fertilizer in a perfect position to nourish the roots of the seed. Not only does this save fertilizer and minimise unproductive losses, it also promotes faster development of the root mass and contributes long-term to optimum yield.





**NEW!**

### Additional advantage of direct fertilisation

An additional advantage of direct fertilisation is that in difficult ground conditions only one pass is necessary, providing maximum protection of the soil. Plus, there is the advantage of being able to complete the full drilling and fertilising process quickly and effectively in a single pass as soon as an opportunity presents itself.

Pöttinger fully supports the trend in direct fertilisation: in the face of increasing fertilizer prices, new types of fertilizer, new fertilizer regulations and environmental legislation, it pays to employ precision fertilizer management in future. With direct fertilisation Pöttinger TERRASEM mulch seed drills offer the right process for a wide range of individual needs and operating conditions.



*2-section seed hopper*



*Seedbed preparation*

*Fertilisation*

*Packing back down*

*Sowing*

*Depth control*

|                        | Working width<br>ft / m | Transport width<br>ft / m | Fertilisation<br>disc coulters | Coulter pressure<br>lbs / kg | Seed disc coulters | Coulter pressure<br>lbs / kg |
|------------------------|-------------------------|---------------------------|--------------------------------|------------------------------|--------------------|------------------------------|
| TERRASEM C6 fertilizer | 19.68 / 6.0             | 9.84 / 3.0                | 24                             | up to 176 / 80               | 48                 | 88-265 / 40-120              |

All information is provided without obligation

UNIVERSAL SEED DRILL



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## Coulter rail for perfect sowing

### Advantages

#### Double-disc coulters

- Each of the disc coulters is guided by a press wheel to ensure uniform seed placement depth
- The depth is adjusted centrally with coulter pressure applied hydraulically between 88 and 265 lbs / 40 to 120 kg
- The maintenance-free rubber mounting elements provide optimum freedom of movement for each unit

#### Contour adaptation

- Four-bar linkage between coulter rail and packer
- Precise ground adaptation is achieved by the set pressure on the coulter unit, as the packers follow the contours of the terrain
- Coulter rail sections with coulter arms of the same length – both rows of coulters are mounted in the exactly the same way – 100% even coulter pressure

### Double disc coulters

The large sized DUAL-DISCs push trash aside without hairpinning harvest residues into the soil. In combination with the coulter tube mounted inside, this system achieves a uniform, exact seed placement.

Individual coulter units are fitted to the packer wheel frame by a 3-point mounting so coulter units can track the ground contours.

All the disc coulters are guided by coulter press wheels to ensure uniform seed depth. Seed depth is adjusted centrally and coulter pressure is adjusted hydraulically between 88 and 265 lbs / 40 and 120 kg. Maintenance-free mounting of the coulters via rubber dampers also provides optimum freedom of movement.



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