

The ***Terrapro Guide*** to innovative agricultural technology

Micro Meter Precision planters/spreaders



StocksAG



Terrapro
Products that lead the field

As the sole importer and distributor of the unique Stocks AG range of applicator products we offer you this guide to Micro Meter precision planters/spreaders with pride.

You will also find more details about our other Stocks AG products as well as contact details on the back page of this booklet.

- Lukas Rautenbach
Terrapro

The Micro Meter is a modular machine, built up in metre lengths as required and used to accurately meter and distribute small seeds and microgranules, and is available with either Vari-Speed or Wizard controls.

It is usually attached to rigid non-folding implements to give low cost and reduced pass operations, and is ideal to apply seeds such as rape, mustard, stubble turnips, and deawned grass, and many microgranular materials such as OSR micro-granular fertiliser, and herbicide granules, through to full size slug pellets and low rate prilled fertilizer.

It is supplied in 1 metre widths, each with an integral steel chassis that are easily bolted together to form 1m, 2m and 3m units as required. A 12 volt motor drives fluted feed rolls that meter product through 6 outlets per metre hopper, gravity fed down delivery tubes for band sowing or to the supplied spreaders for broadcast effect. Blanking plates are supplied to reduce the number of outlets as required to match implements.

Specifications (per metre)

Choice of Wizard or Vari-Speed control systems. Please see pages 23-24.

Power requirement 12 volts DC – 25 amp.

Hopper capacity 60 litres each. (Approximately 40 kg rape).

Outlet spacing 166 mm

Net weight 1m = 36 kg, 2 m = 61 kg, 3 m = 86 kg.

Dimensions each unit - mm.

W 1020 x D 320 x H 480 less spreader or 900 including spreader.

Application Rate

Each hopper has 6 outlets. Product is metered by a precision moulded plastic fluted feed roll driven by a stainless steel feed shaft powered by a 12 volt motor driving through a 2 speed reduction gearbox. The feed rolls slide through their housings to provide stepless rate adjustment by opening or closing the feed aperture using a simple rotary wheel and the feed shaft speed can be increased or decreased as required.

The application rate is set by a combination of feed aperture setting and shaft speed - which in turn is a combination of gearbox setting (high or low speed) and feed motor speed. For 2 or 3 metre units, each hopper has its own adjuster to slide the 6 feed rolls together.

A simple calibration catch and weigh test will determine the rate and settings.

Cost option of deep groove feed rolls is available for higher output, eg, grass seed, fertiliser.
Please enquire.

Blanking Plates

Use these to reduce the number of outlets per hopper as required. For example if band sowing behind a 5 leg sub-soiler, use a 1m Micro Meter with 6 outlets and blank off 1 outlet, leaving 5. If using a 7 leg subsoiler, use a 2 m Micro Meter with 12 outlets, and blank off 2 in one hopper and 3 in the other hopper to leave 7, and so on.



Spreader Kit

Each 1m hopper is supplied with a spreader kit consisting of 6 inverted nylon cones attached to steel tubes, in turn attached to a length of steel channel section which is suspended below the Micro Meter hopper on supplied brackets. These spreader assemblies may be joined together if using 2 or 3 hoppers. The spreaders slide along the channel to the required spacing where they are locked in place. 10m of rubber delivery tube per hopper is supplied to be cut to length as required.

Use the nylon cones to broadcast, or remove them for band sowing.

The spreader kit is easily user modified as required.



What width Micro Meter is required?

This is determined by the implement width, the number of feed outlets needed, hopper capacity required, and the decision to broadcast or band sow.

Broadcast

Typically used for small seeds or herbicide granules if all the bout width has been cultivated. Broadcast width using the spreader cones. Each 1 m hopper has 6 spreaders and will broadcast most granules and small seeds evenly up to 1.5 m (max), so 2 hoppers with 12 spreaders = 3m even broadcast (max) and 3 hoppers with 18 spreaders = up to 4.5 m even broadcast (max). Height of the cones approx 300-400 mm from the ground and spread widths will vary according to product being metered – establish width before use.

Band Sow

Typically used when sowing rape from a sub-soiler with no other cultivation and band sowing behind or just to each side of the legs over the wings, or applying microgranular fertiliser in bands.

Fitting to the Implement

The chassis' simply and easily bolt together to form a rigid structure and spare holes are provided in the chassis' to facilitate fitting to the parent vehicle with suitable user supplied brackets. The hoppers need to be mounted high enough to ensure gravity feed of product down the delivery tubes.





PRICING CHOICE - Models & Cost Options

Micro Meter Wizard 1 m, 2 m or 3 m.

Complete with all controls and standard cables, and spreader kit.

Micro Meter Vari-Speed 1 m, 2 m or 3 m.

Complete with all controls and standard cables, and spreader kit.

COST OPTIONS

Extension connector cables - (both)

Battery lead - (Wizard only)

Other Products

Fan Jet

A range of cost effective multi purpose 12 volt electric spinning disc broadcasters for the application of slug pellets, small seeds and granules. These versatile implements can be used on their own or in tandem with a host of other implements



Rotor Meter

The Rotor Meter is available as a 2 or 3 outlet sealed and water resistant applicator to accurately and safely meter micro and full size granular material, and small seeds in controlled placement applications in agricultural and horticultural situations.



Turbo Jet

The Turbo Jet is a versatile and accurate pneumatic applicator to meter and spread most small seeds up to 8 m wide. It is available with 8 or 10 outlets, and with either Vari-Speed or Wizard controls.



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**With the compliments of Terrapro,
the sole distributor of
Stocks applicator products
in South Africa**

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