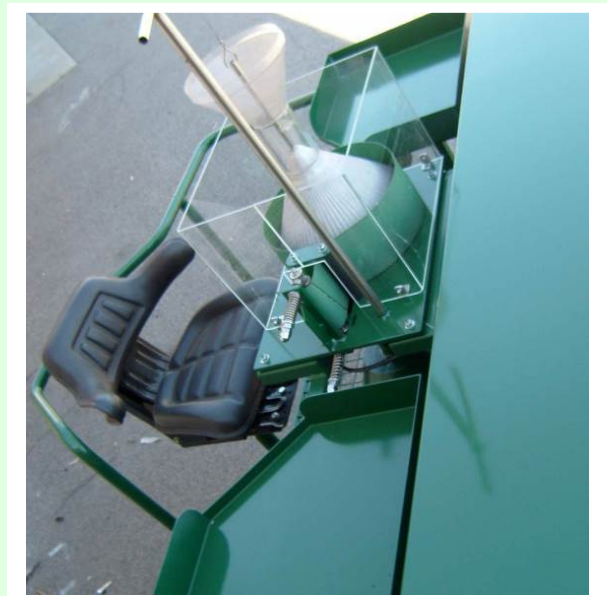




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Kimseed Cone Seeding Units & Distributors (300 N Series fluted aluminium cone)



The Kimseed Cone Seeding Units were developed for accurate metering of trial plots seeding, for Agronomists and plant research projects.

- **Belted Cone** prevents seed getting crushed and jammed as in pocket type cones.
- **New Spring loaded** belt tension roller helps keep belt firmly against cone.
- Designed to sow a large variety of seeds and fertilizers.
- **Flutes** on **300mm** cone accurately guide smaller seed varieties evenly around belt.
- **Ball Bearing** mounted cone with 20mm shaft for smooth running.
- **Sealed ball bearings** on rollers for easy smooth rolling using very little power.
- **Clear acrylic wind guard** allows good visibility of seed on belt.
- 125 mm durable, high quality belt
- **Electric 12 V dc distributors** with up to Ten outlets are also available to be fitted under the cones. Various Outlets 2-10 clip onto the base of the distributor for changing row numbers.
- **Complete sowing implements** Drawbar or Linkage types can be designed and manufactured by Kimseed's award winning team.

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Kimseed Cone Seeding Units & Distributors

The **Kimseed** belted cone metering units were developed because there was a **need in the experimental side of agronomy** for a more accurate seeder than was available on the World market.

The advantage of this unit is that **the seed-retaining belt moves with the cone**. This stops the seed building up into mounds, on the usually stationary outer surfaces as in pocket type units.

Generally **up to eight cone units can be mounted** on a frame, and driven via direct ground drive, or PTO. A cross drive shaft drives these units through bevel gears. **Variation in plot length** is achieved by a variable speed pulley arrangement, or a gearbox. Plot lengths from 8 metres to 25 metres are normal but can be varied to suit requirements.

A large variety of seed has been sown with these machines (from subterranean clover to peanuts) with the only limiting factor being the size of the seed.

OPERATION:

- The seed sample is placed in the Clear Funnel above the cone, which is raised to allow the seed to fall evenly around the fluted cone and against the belt.
- As the plot seeding machine moves forward the cone turns and the seed falls through the outlet. As there is no retarding friction on the seeds, they will move evenly to the outlet and so drop evenly separated into the funnel below.
- From the funnel the seed drops into the distributor which evenly divides the sample that flows down the plastic drop tubes on to the sowing apparatus.
- It is desirable to have the plastic pipe as short and straight as possible (30 deg. Max) otherwise irregular seed sowing will be introduced.
- It has been found that it is desirable to have one cone for each row as the distance of drop is short and straight, however, in some circumstances a seed divider (Distributor) may be used. See 12 volt DC Distributor

Specifications:

Plot Lengths - 8m to 25m (depends on seed size)

Max. seed drop angle -30 degrees off vertical

Weight of single cone unit -25kg

Special Units available-

Up to 10 – way 12 volt DC Distributor can be fitted to the funnel at cone outlet.

