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Kimseed Cone Seeding Units & Distributors

(300 Series fluted aluminium cone)

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

- Up to **eight** cones can be mounted on a rectangular frame and either driven by power takeoff from tractor OR direct ground wheel drive.
- Designed to sow a large variety of seeds and fertilizers.
- **Flutes** on **300mm** cone accurately guide smaller seed varieties evenly around belt
- 12 V DC distributors with up to **eleven** outlets are also available to be fitted under the cones.
- **Fully Bearing** mounted on plated frame
- **Needle bearings** on rollers
- **Complete sowing implements** can be designed and manufactured by Kimseed's award winning team.
- **Clear acrylic wind guard** allows good visibility of seed on belt.
- 125 mm durable, high quality belt

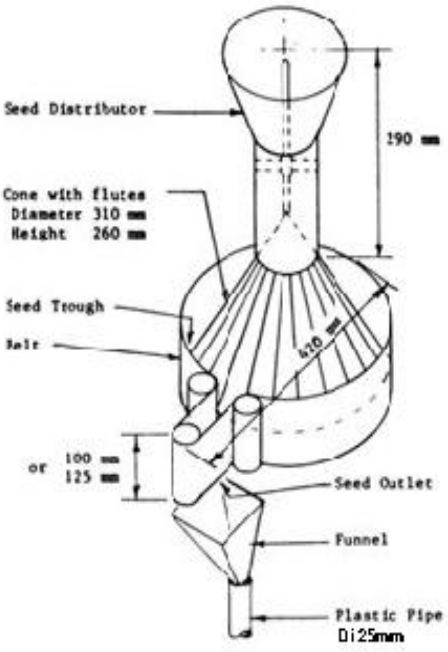
Kimseed Cone Seeding Units & Distributors

The **Kimseed** 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.

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**. Stepless variation in plot length** is achieved by a variable speed pulley arrangement, or a gearbox gives more precise plot length on a stepped basis. 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 seed distributor, which is raised to allow the seed to fall evenly around the cone and against the belt.
- As the 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.
- From the funnel the seed drops into the plastic tube 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 may be used.

Specifications:

Plot Lengths - 8m to 25m

Max. seed drop angle -30 degrees off vertical

Weight of single cone unit -25kg

Special Units -
a) Double outlet and funnel
b) Up to 11 - way distributor can be fitted to funnel at cone outlet