



## Kimseed Australia Pty Ltd

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# Kimseed 120 mm Aluminium Cones



- Kimseed new 120 mm Aluminium Cones are designed to be used in **MULTI CONE** applications
- Cones can be set up in banks of up to 8 units
- Individual gearboxes for precise operation



Multiple Cone applications are called in special circumstances where a more precise dispensing is required or where different Seed Rates are used to compare results between rows.

Units are mounted on sealed bearings, including the rollers, for a smooth and effortless operation.

Manufactured to order, as individual units or in banks.

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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:

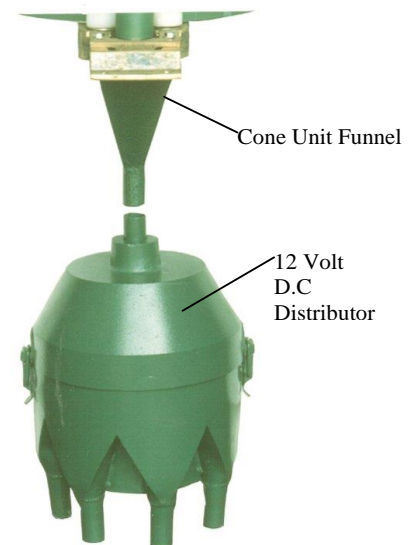
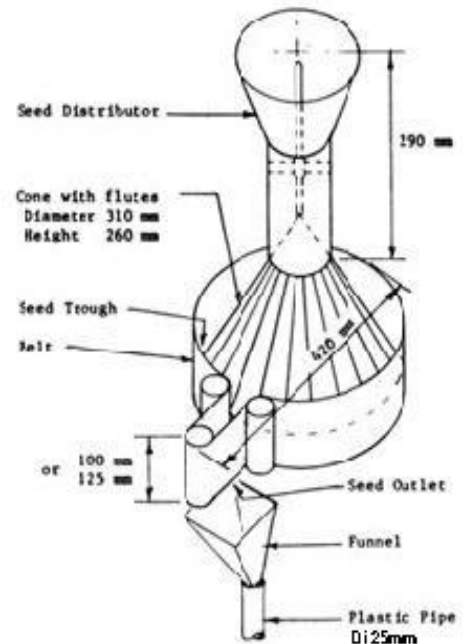
**Plot Lengths** - 8m to 25m ( depends on seed size )

**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.



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