



Kimseed International Pty Ltd

ACN 108 508 336

4/5 Collingwood St

Tel: 61-8-94464377

Western Australia

ABN 37 108 508 336

Osborne Park 6017

Fax: 61-8-94463444

www.kimseed.com.au

Email: kimseed@kimseed.com.au

Kimseed Cone Seeding Units & Distributors (450 Series fibreglass cone)



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

- Up to **four** cones can be mounted on a rectangular frame and either driven by power take-off from tractor, OR direct ground-wheel drive
- Designed to sow a large variety of **seeds and fertilizers**
- **12 V DC distributors** with **up to eleven** outlets are also available to be fitted under the cones
- **450 mm cone** will accurately meter larger seed varieties
- Clear polycarbonate **wind guard** allows good visibility of seed on belt
- Clear polycarbonate **drop funnel** allows good visibility of seed level onto the cone
- 180 mm durable, high quality belt
- Complete sowing implements can be designed and manufactured by Kimseed's award winning team.

Australian Native
Seed Specialists

Seed & Revegetation
Equipment

Engineering Design
& Fabrication

Forestry
Management

International Environmental
Consultants

Celebrating 37 years of sustainable land management



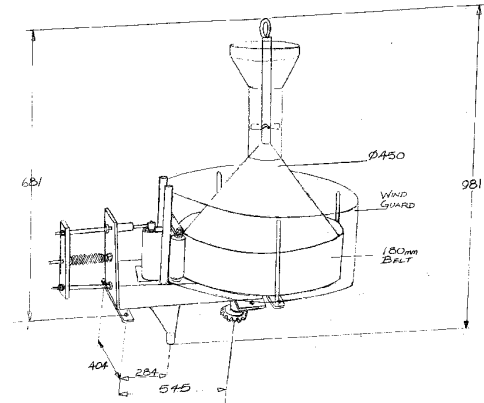
Kimseed Cone Seeding Units & Distributors

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 four 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 cow peas.



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.



Distributor with 8 outlets

Operating Specifications:

Plot Lengths -	8m to 25m
Max. seed drop angle -	30 degrees off vertical
Weight of single cone unit -	35kg
Number of Distributor Outlets -	Up to 11 - way distributor can be fitted to funnel at CONE outlet.

Australian Native Seed Specialists Seed & Revegetation Equipment Engineering Design & Fabrication Forestry Management International Environmental Consultants

Celebrating 37 years of sustainable land management