



**Increases yield in Ryegrass seed crops, improves the percent of thebaine in Poppies and increases the CCS in Sugarcane**

**Technical Brief**

- Active Ingredient:** 250 g/L trinexapac-ethyl
- Chemical Family:** cyclohexanedione derivative
- Mode of Action Group:** N/A
- Formulation:** Emulsifiable Concentrate
- Mode of Action:** Inhibits gibberellin synthesis, slowing growth
- Behaviour in Plants:** Absorbed by the leaves and stems. Has no root or soil activity. Absorbed quickly into the plant tissue and rapidly translocated to the growing parts. Is rain-fast within 2 hours of application.

**Benefits**

- Improves the percent of thebaine in Poppies
- Increases yield in Ryegrass seed crops
- Increases the CCS in Sugarcane

**Crop Management**

Crop	Use	Rate	Critical Comments
<b>Poppies</b> (Thebaine varieties)	Modify alkaloid ratio, improving the percent of thebaine	1 L to 2.5 L/ha	Apply to an actively growing, healthy poppy crop. Apply from mid run-up (MRU) until early flowering. Use higher rates to provide higher thebaine yield.
<b>Ryegrass Seed Crops</b> (annual and perennial)	Increase seed yield via improved seed set	800 mL to 1600 mL/ha	Apply to an actively growing, healthy ryegrass seed crop. Apply at Growth Stage (GS) 31-32, when the 2nd node is visible on the main tiller and the majority of the other tillers have the 1st node detectable above ground level.  The higher rate of 1600 mL is recommended on high fertility paddocks with good moisture (e.g. under irrigation).
<b>Sugarcane</b>	Increase Commercial Cane Sugar (CCS) percentage	800 mL/ha	Apply Potus to healthy, actively growing sugarcane. Apply between 8 weeks (56 days) and 5 weeks (35 days) prior to harvest.

Note: The above table represents a modified extract from the full registered label. Always read the full product label before use.

## Restraints

DO NOT apply to crops under stress, suffering from nutrient deficiency, disease, drought stress, insect damage or herbicide effects.

## How to get the most out of your application

### GROWING CONDITIONS

In general Potus should be applied under good growing conditions with adequate soil moisture. Potus should not be applied to crops that are under stress due to very dry, very wet, frosty conditions, nutrient deficiency or high insect pressure, as this may give less than reliable results.

### APPLICATION

May be applied by boom spray or aircraft. Ensure complete coverage of all leaves and stems is obtained.

### BOOM APPLICATION

As a guide, apply using spray volumes as specified in the 'Recommended Water Volumes for Spraying' table. The use of flat fan nozzles is recommended using a fine to medium quality spray pattern.

### AERIAL APPLICATION

As a guide, apply using spray volumes as specified in the 'Recommended Water Volumes for Spraying' table with the lower rate being used when applications are made with a cross wind of not less than 5 knots. Use the higher rates when applying to dense crops.

## Recommended Water Volumes for Spraying

Crop	Water Volume (L/ha)	
	Boom Application	Aerial Application
Poppies	150 to 250	25 to 60
Ryegrass	50 to 200	10 to 20
Sugarcane	150 to 500	25 to 60

## Mixing and Compatibility

### MIXING

Potus is an emulsifiable concentrate (EC) formulation that mixes readily with water and is applied as a spray.

1. Partly fill the spray tank with water.
2. Start the agitation.
3. Add the correct amount of product to the spray tank with the agitation system running.
4. Continue agitation while topping up the tank with water and while spraying.

### COMPATIBILITY/TANK MIXING

Potus is physically compatible with a wide range of products; however the biological compatibility of these mixtures may not have been fully tested under all environmental and biological conditions.

A mixture of Potus with any other product may in some circumstances affect the growth regulatory response. If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. As formulations of other manufacturer's products are beyond the control of Crop Culture, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

## Packaging

Pack size: 20 L

