

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



# **Potus**

## **Yield & Quality Enhancer**

**ACTIVE CONSTITUENT: 250 g/L TRINEXAPAC-ETHYL**

**Increases Yield in Ryegrass Seed Crops, Improves the Percent of Thebaine in Poppies and Increases the CCS in Sugarcane**

**IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT**

APVMA Approval No.: 67883/107766



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**DIRECTIONS FOR USE****Restrains**

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

Crop	Use	Rate	Critical Comments
<b>Poppies</b> (Thebaine varieties)	Modify alkaloid ratio, improving the percent of thebaine #	1 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. # Use of Potus Yield & Quality Enhancer to modify the alkaloid composition of poppies may infringe Australian Patent No. 2005239760 (Sun Pharmaceuticals Industries (Australia) Pty Ltd). You must ensure that you have the authorisation of Sun Pharmaceuticals prior to using Potus Yield & Quality Enhancer for this purpose. Australian Patent No. 2005239760 expires 4 <sup>th</sup> June 2024.
<b>Ryegrass Seed Crops</b> (annual and perennial)	Increase seed yield via improved seed set	800 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 Yield & Quality Enhancer to healthy, actively growing sugarcane. Apply between 8 weeks (56 days) and 5 weeks (35 days) prior to harvest.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**WITHHOLDING PERIODS**

Poppies: NOT REQUIRED WHEN USED AS DIRECTED  
 Ryegrass: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION  
 Sugarcane: Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 5 WEEKS AFTER APPLICATION  
 Harvest: DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION

**EXPORT SLAUGHTER INTERVAL (ESI):**

An export slaughter interval is not required when used as directed

**EXPORT GRAZING INTERVAL (EGI):**

Ryegrass: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION

**LIVESTOCK DESTINED FOR EXPORT MARKETS**

Grazing withholding periods apply to stock slaughtered for domestic market. Some export markets apply different standards. To meet these standards, ensure that the export grazing interval is observed before stock are sold or slaughtered.

**GENERAL INSTRUCTIONS**

Potus Yield & Quality Enhancer is absorbed by the leaves and stems. Potus Yield & Quality Enhancer has no root or soil activity. Potus Yield & Quality Enhancer is absorbed quickly into the plant tissue and rapidly translocated to the growing parts. Potus Yield & Quality Enhancer is rainfast within 2 hours of application.

### Mixing

Potus Yield & Quality Enhancer 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.

### Growing Conditions

In general, Potus Yield & Quality Enhancer should be applied under good growing conditions with adequate soil moisture. Potus Yield & Quality Enhancer 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.

### Best Management Practice Program

A program has been designed to optimise the performance of Potus Yield & Quality Enhancer for growth regulation of certain crops. Consultation should be taken with a Potus Yield & Quality Enhancer or trained agronomist prior to use in ryegrass seed crops, poppies and sugarcane.

### 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

Crops	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

### Compatibility/Tank Mixing

Potus Yield & Quality Enhancer 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 Yield & Quality Enhancer 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.

### PRECAUTIONS

**Re-entry Period:** DO NOT allow entry into treated areas until the spray has dried unless wearing cotton overalls (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**Flaggers:** Do not use human flaggers/markers unless they are protected by engineering controls such as enclosed cabs.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish larvae and oysters. DO NOT contaminate dams, rivers, streams or storm water drains with concentrate or used container. DO NOT allow spray drift to contaminate downwind aquatic and wetland areas including surface streams and rivers.

**Spray Drift – Protection of Livestock**

The grazing of spray drift affected pastures by livestock destined for export markets may result in violation of export market standards. To ensure compliance with export standards livestock should be restricted from grazing spray drift affected pastures for 3 weeks following application.

**STORAGE AND DISPOSAL****1, 5, 20 L pack size**

Store in closed original container in a cool, well-ventilated area as cool as possible. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

**100, 110 L pack size**

Store in closed original container in a cool, well-ventilated area as cool as possible. Do not store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**SAFETY DIRECTIONS**

Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with the eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

**FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre. Telephone Australia 13 11 26.

**SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: [www.cropculture.com.au](http://www.cropculture.com.au)

**CONDITIONS OF SALE**

The use of Potus Yield & Quality Enhancer being beyond the control of the manufacturer, no warranty expressed or implied is given by Crop Culture Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Crop Culture Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade