

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Moddus[®]
Yield and Quality Enhancer

syngenta[®]

ACTIVE CONSTITUENTS: 250 g/L TRINEXAPAC-ETHYL

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

*Syngenta Crop Protection Pty Limited
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113*

*In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)*

APVMA Approval No.: 60214/54075

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DIRECTIONS FOR USE

Restrictions

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

Crop	Use	Rate	Critical Comments
Poppies (Thebaine varieties)	Modify alkaloid ratio, improving the percent of thebaine	1L 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.
Ryegrass Seed Crops (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 (eg under irrigation).
Sugarcane	Increase Commercial Cane Sugar (CCS) percentage	800mL/ha	Apply MODDUS 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

GENERAL INSTRUCTIONS

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

Mixing

MODDUS 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 MODDUS should be applied under good growing conditions with adequate soil moisture. MODDUS 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 MODDUS for growth regulation of certain crops. Consultation should be taken with a MODDUS-accredited agronomist prior to use in ryegrass seed crops, sugarcane and poppies.

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
Sugar cane	150 to 500	25 to 60

Compatibility/Tank Mixing

MODDUS 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 MODDUS 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 Syngenta, 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.

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.

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

Non returnable containers

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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Returnable containers

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. Phone 131 126.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone 1800 067 108, or visit our website at www.syngenta.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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