

SUMAGIC®

PLANT GROWTH REGULATOR

ACTIVE CONSTITUENT: 50 g/L UNICONAZOLE-P

For the regulation (reduction) in plant height and the potential increase in crop yield in Poppies and Pyrethrum.

GENERAL INSTRUCTIONS

SUMAGIC is a plant growth regulator that acts by influencing gibberellin production. Its use will result in regulation (generally a reduction) in plant height and in well managed and healthy crops, a potential increase in crop yield may result.

MIXING

Water pH and hardness: SUMAGIC should not be applied in alkaline water or hard water (>1000 mg/kg solutes). Where necessary use a buffer agent to reduce pH to between 4.5 and 5.5. Half fill the spray tank with clean water and whilst constantly agitating add the required amount of SUMAGIC. Thereafter, add the wetting agent and, if required, buffer. Fill the spray tank to the required level with water while agitating. Ensure vigorous agitation of the mixture in the tank during mixing and spraying. DO NOT allow spray mixture to stand for prolonged periods.

A non-ionic wetting agent, such as 0.125% v/v Spraymate* Activator* Surfactant or an organosilicone surfactant may be used. Alternatively, rape seed oil adjuvant may also be used, generally in a 1:1 ratio of product to oil. That is, for e.g. 0.5 L SUMAGIC and 0.5 L oil adjuvant. Other adjuvants: Spraymate* Bond (.1% v/v) or Dow AgroSciences Uptake* (.5% v/v) may also be used. Please consult with poppy or pyrethrum contracting company and/or their field staff representatives for guidance.

APPLICATION

SUMAGIC is ideally applied during wind free and high humidity conditions - preferably in the early morning or late afternoon. SUMAGIC should be applied between row cover and late run-up stages (in single or split applications), in consultation with poppy contracting company field staff. Failure to apply SUMAGIC at the correct timing can give a poor result.

Ground Application: Apply in a minimum spray volume of 100 L/ha.

DO NOT apply by aerial application.

COMPATIBILITY

It is advised to test all mixtures prior to mixing commercial quantities. SUMAGIC can be tank-mixed

with fungicides used for the control of downy mildew, Penncozeb* Fungicide, Amistar* 250 SC Fungicide, Ridomil* Gold MZ Systemic & Protective Fungicide, Ridomil* Gold 480EC Systemic Fungicide, Acrobat* Fungicide, Bravo Fungicide, and Rutec Fungi-Fos 400 Fungicide.

RE-ENTRY

Do not allow entry into treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and PVC gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers, waterways or dams with the chemical or used containers. DO NOT allow the chemical to contact other crops, pastures or desirable vegetation.

STORAGE AND DISPOSAL:

Keep out of reach of children. Store in the closed original container in a 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 chemical 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.

SAFETY DIRECTIONS:

Will irritate the eyes. Avoid contact with eyes. Wash hands after use. When opening the container,

preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow length PVC gloves. After each day's use, wash gloves and contaminated clothing.

FIRST AID:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia Tel. 13 11 26; New Zealand 0800 764 766.

MATERIAL SAFETY DATA SHEET

An MSDS is available for this product by telephoning Sumitomo Chemical Australia or visit the website at <http://www.sumitomo-chem.com.au/>.

IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

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THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD OR RAIL	
IN A TRANSPORT EMERGENCY DIAL: 000 POLICE OR FIRE BRIGADE	SPECIALIST ADVICE IN EMERGENCY ONLY PHONE: 1800 024 973 ALL HOURS - AUSTRALIA WIDE

DIRECTIONS FOR USE:

Situation	Purpose	State	Rate	Critical Comments
Oilseed Poppy (<i>Papaver somniferum</i>)	To regulate (reduce) plant height and potentially increase crop yield.	TAS, only	Apply SUMAGIC as a foliar spray at the rate of 0.5 – 1.0 L/ha	Apply between row cover and late run-up stages (in single or split applications), in consultation with poppy contracting company field staff. An adjuvant may also be used. (See additional notes under Mixing). Apply by ground application equipment. Growing conditions can affect plant response to this product, i.e. day length, temperature, seasonal factors etc.
Pyrethrum (<i>Tanacetum cinerariifolium</i>)		TAS, VIC only	2.0 L/ha	Apply one foliar application ONLY during stem elongation (i.e. late-September/October). Apply Sumagic PGR with a Non-ionic surfactant or an Organosilicone surfactant at recommended rates.

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

WITHHOLDING PERIOD:

POPPIES: HARVEST: DO NOT HARVEST FOR 49 DAYS AFTER LAST APPLICATION

PYRETHRUM: NOT REQUIRED WHEN USED AS DIRECTED