

CAUTION

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

TITAN

Mepiquat 38

Cotton Growth Regulator

**ACTIVE CONSTITUENT: 38 g/L MEPIQUAT
present as the CHLORIDE SALT**

For the control of excessive vegetative growth in cotton.

**IMPORTANT: READ THOROUGHLY BEFORE OPENING OR
USING THIS PRODUCT.**

APVMA Approval No.: 62955/0810

Pack Size: 5L, 10L, 20L, 110L,
200L, 1000L



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IN A TRANSPORT EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE

TRANSPORT AND HANDLING
NOT A DANGEROUS GOOD
ACCORDING TO THE AUSTRALIAN
DANGEROUS GOODS (ADG) CODE
FOR TRANSPORT BY ROAD AND RAIL.

DIRECTIONS FOR USE: Qld and NSW only

RESTRAINTS: DO NOT apply to crops that have restricted growth due to drought stress, water logging, nutrient deficiency, poor soil structure or any other cause as this can result in yield decreases.
 DO NOT apply if adequate insect and mite pest control and supply of water nutrients later in the crop is in doubt, or if 'stressing' is a normal management practice. If severe drought conditions occur after TITAN Mepiquat 38 Cotton Growth Regulator application, TITAN Mepiquat 38 Cotton Growth Regulator results can be unsatisfactory and/or yield decreases can occur.
 DO NOT apply TITAN Mepiquat 38 Cotton Growth Regulator if rainfall is expected within 8 hours of application as effectiveness of TITAN Mepiquat 38 Cotton Growth Regulator may be reduced.
 DO NOT use on new varieties not available commercially in Australia.
 DO NOT apply to cotton less than 50cm high when using high rate single spray.
 DO NOT mix this product with a phosphoric acid derivative.
 DO NOT mix this product with 2 penten-oil.
 DO NOT use this product to promote growth of plants.

CROP	PURPOSE	APPLICATION RATE	CRITICAL COMMENTS
Cotton	To regulate fruiting and vegetative growth	250 to 600mL/ha	Split Application Apply no more than 1.5L in total; spread over 2-3 application times as suggested below.
		250 to 600mL/ha	<u>1st spray</u> at early squaring – squares the size of matchheads.
		250 to 600mL/ha	<u>2nd spray</u> at approximately first flower.
	Control of excessive growth	750mL to 1L/ha	<u>3rd spray</u> at approximately 14 days (two weeks) later. Split Application Apply at first flower. Use this rate where crop growth is excessive.

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

WITHHOLDING PERIOD: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

MODE OF ACTION

TITAN Mepiquat 38 Cotton Growth Regulator is a plant growth regulator, which modifies the cotton through regulating its growth and behaviour. It is applied to the plant foliage and may produce one or more of the following effects: a reduction of internodal length, darker foliage colour, a more open canopy, greater boll retention and earlier maturity. The yield potential of the cotton plant may be favourably influenced by some of these effects.

MIXING

TITAN Mepiquat 38 Cotton Growth Regulator mixes readily with water. Add the required water volume while agitating.

APPLICATION

TITAN Mepiquat 38 Cotton Growth Regulator as a crop management tool is best applied as split applications rather than a single application. First spray should be applied early (early squaring) and repeated as suggested in the Directions for Use table.

APPLICATION METHOD

TITAN Mepiquat 38 Cotton Growth Regulator must be applied through a boom spray fitted with hydraulic nozzles. Total spray volume for aerial application must be at least 50L/ha and 150-200L/ha for application by ground rig.

LODGING

Cotton that has tightly-set bolls packed against the stem, and is treated with TITAN Mepiquat 38 Cotton Growth Regulator, may be more susceptible to lodging in strong winds.

COMPATIBILITY

TITAN Mepiquat 38 Cotton Growth Regulator may be tank mixed with EC formulations of the following insecticides: Endosulfan, Permethrin, Deltamethrin and Methomyl.

Make certain that there is not conflict in application techniques between TITAN Mepiquat 38 Cotton Growth Regulator and the insecticide when the products are applied together.

DO NOT apply in tank mixtures with foliar fertilisers.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, well-ventilated area, as cool as possible but out of direct sunlight. Store in a locked room or a place away from children, animals, food, feedstuffs, seed and fertilisers.

STORAGE AND DISPOSAL

5L, 10L, 20L, 200L: 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 500mm 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.

110L: Store in the original sealed Envirodrum in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with water or any water or any other foreign matter. After each use of the product, please ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, please return the empty drum to the point of purchase. The drums remain the property of TITAN AG Pty Ltd.

1000L: Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs TITAN AG Pty Ltd should be notified immediately. This minibulk/bulk container is reusable and remains the property of TITAN AG Pty Ltd. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to TITAN AG Pty Ltd for cleaning, relabelling and refilling.

SAFETY DIRECTIONS

Avoid contact with eyes and skin. Wash hands after use.

FIRST AID

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

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Mepiquat 38 Cotton Growth Regulator is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit www.titanag.com.au

CONDITIONS OF SALE

TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful to aquatic life with long lasting effects. Precautionary: Avoid release to the environment. Dispose of contents/container in accordance with local/regional/national regulations. Hazardous Nature: Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.