

# CAUTION

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

TITAN

# MEPIQUAT 380 SL

## COTTON GROWTH REGULATOR

ACTIVE CONSTITUENT: 380g/L MEPIQUAT present as the CHLORIDE SALT



For the management of fruiting and excessive vegetative growth in Cotton.

APVMA Approval No.: 93878/140769

Pack Size: 1L-1000 L



**C R O P P R O T E C T I O N**

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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

**Restrains:** DO NOT apply to crops that have restricted growth due to drought stress, waterlogging, 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 and nutrients later in the crop is in doubt.  
DO NOT apply TITAN Mepiquat 380 SL if rainfall is expected within 8 hours of application as product efficacy may be reduced.  
DO NOT apply to new commercial varieties of Cotton before checking with the manufacturer.  
DO NOT apply to Cotton less than 50cm high when using high rate single spray.  
DO NOT allow bystanders to come into contact with the spray cloud.

## SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift)

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

## APPLICATION

TITAN Mepiquat 380 SL is a crop management tool best applied as split-application "Multiple Low Rates" (MLR) rather than a single application. The first spray should be applied early (early squaring) and repeated as suggested in the Directions For Use table.

CROP	PURPOSE	APPLICATION RATE	CRITICAL COMMENTS
Cotton	To regulate fruiting and vegetative growth	25 to 60mL/ha  25 to 100mL/ha	<b>SPLIT APPLICATION / MLR</b> Apply at timings suggested below. Use crop growth measurements such as internode length as a guide for rate selection. Use the lower rate where internode length is shorter or when there is a possibility of stress occurring. Check varietal responses to mepiquat chloride with seed producers. DO NOT apply more than 60mL in a single application prior to 1st flower. <b>First spray at early squaring</b> – squares the size of matchheads. Use the lower rate unless growth is excessive according to plant measurements. <b>Second spray</b> at approximately first flower. Use the higher rate where growth is excessive according to measurements and there is little chance to crop stress eg. moisture stress or water logging.
	Control of excess growth	75 to 200mL/ha	<b>SINGLE APPLICATION</b> Apply between 1st flower and cutout to slow excessive growth or induce cutout. Use the higher rate where crop growth is excessive according to plant growth measurements such as internode length, or when cutout is the aim of the application. Use the lower rate to limit vegetative growth only. DO NOT apply to plants less than 50cm high.

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

## WITHHOLDING PERIODS

**Cotton: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD ANY TREATED VEGETATION.**

**EXPORT OF TREATED PRODUCE:** Growers should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for produce treated with mepiquat. If you are growing produce for export, please check with TITAN AG for the latest information on MRLs and import tolerances before using TITAN Mepiquat 380 SL.

**EXPORT TRADE ADVICE – LIVESTOCK:** Consumption by livestock of any materials previously treated with this product may produce residues in the animal that might not be acceptable in some export markets. Before you use this product you are advised to contact TITAN AG and/or the relevant livestock industry body about any potential trade issues and their management. You should also be prepared to inform other livestock producers, who intend using the material as stockfeed, of its chemical exposure history.



## GENERAL INSTRUCTIONS

### Mode of Action

TITAN Mepiquat 380 SL Cotton Growth Regulator is a plant growth regulator which modifies the cotton plant 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 380 SL mixes readily with water. Add the required amount to the partly full tank, agitate and fill to the desired level.

### APPLICATION METHOD

TITAN Mepiquat 380 SL must be applied through a boom spray fitted with hydraulic nozzles. Total spray volume for aerial application must be at least 20 to 30L/ha and 80 to 100L/ha for application by ground rig.

### Lodging

Cotton treated with TITAN Mepiquat 380 SL that has tightly set bolls packaged against the main stem may be more susceptible to lodging in strong winds.

### COMPATIBILITY

TITAN Mepiquat 380 SL is compatible in tank mixtures with Albatross® 200, Ballistic® Elite, Electra®, Firepower® 900, Lascar®, Platinum® Xtra 360 + Hasten†, Primal® + Pulse†, Receptor®, Shogun® + Hasten†, Skope® + Hasten† and Wizard®.

Make certain that there is no conflict in application techniques between TITAN Mepiquat 380 SL and the tank mix partner when the products are applied together.

DO NOT apply in tank mixes with foliar fertilisers.

### RE-ENTRY PERIOD

DO NOT allow entry into treated areas until the spray deposits have dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

### 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 ENVIRONMENT

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

### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for long periods in direct sunlight. Triple-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 to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.

**DrumMUSTER Containers:** Store in the closed, original container in a cool, well-ventilated area. DO NOT store for long periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on-site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced, but may be taken separately.

**110L, 200L:** Store in the closed, original container in a cool, well-ventilated area. DO NOT store for long periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the container with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the container have been used, please return the container to the point of purchase. This container remains the property of TITAN AG Pty Ltd.

**Refillable Containers (100L):** Store in the closed, original container in a cool, well-ventilated area. DO NOT store for long 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

Harmful if inhaled or swallowed. May irritate the eyes. Avoid contact with eyes. Avoid inhaling vapour. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves and half facepiece respirator. Wash hands after use. After each day's use, wash gloves and respirator (if rubber wash with detergent and warm water) and contaminated clothing.

### FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

### SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Mepiquat 380 SL Cotton Growth Regulator is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit 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 if swallowed. Harmful to aquatic life with long lasting effects. Precautionary Statements: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Dispose of contents/container in accordance with local/regional/national/international regulations.



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