

CAUTION

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



RX-380™

Cotton Growth Regulator

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

Crop: Cotton

Uses: Control of fruiting and vegetative growth

Formulation type
Soluble
Concentrate

SL



ADAMA

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CONTENTS: 1 L - 1000 L

DIRECTIONS FOR USE

RESTRAINTS

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 RX-380™ 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 50 cm high when using high rate single spray.

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

APPLICATION

RX-380™ is a crop management tool best applied as split-application "Multiple Low Rates" (M.L.R.) 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 60 mL/ha 25 to 100 mL/ha 25 to 100 mL/ha	SPLIT APPLICATION / M.L.R. 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 60 mL in a single application prior to 1 st flower. First spray at early squaring – squares the size of matchheads. Use the lower rate unless growth is excessive according to plant measurements. Second spray at approximately first flower. Use the higher rate where growth is excessive according to measurements and there is little chance to crop stress e.g. Moisture stress or water logging. Third spray at approximately 14 days (2 weeks) later. Apply only if crop growth measurements e.g. Internode length indicate excessive growth is likely.
	Control of excess growth	75 to 200 mL/ha	SINGLE APPLICATION Apply between 1st flower and cut out 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 50 cm high.

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

**WITHHOLDING PERIODS: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.
DO NOT GRAZE OR CUT FOR STOCK FOOD ANY TREATED VEGETATION.**

GENERAL INSTRUCTIONS

Mode of Action

RX-380™ 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

RX-380™ mixes readily with water. Add the required water volume while agitating.

Application Method

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

Lodging

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

Compatibility

RX-380™ is compatible in tank mixtures with Albatross® 200, Ballistic® Elite, Electra®, Firepower® 900, Lascar®, Platinum® Xtra 360 + Hastent, Primal® + Pulse†, Receptor®, Shogun® + Hastent†, Skope® + Hastent† and Wizard®.

Make certain that there is no conflict in application techniques between RX-380™ and the tank mix partner when the products are applied together. DO NOT apply in tank-mixes with foliar fertilisers.

PRECAUTION

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 prolonged 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 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.

DrumMUSTER Containers: Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged 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.

110 L, 200 L: Store in the closed, original container 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 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 Adama Australia.

Refillable Containers (1000 L): Store in the closed, original container in a cool, well-ventilated area. 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

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), elbow-length chemical resistant gloves and half face-piece respirator. Wash hands after use. After each day's use, wash gloves, respirator and contaminated clothing.

FIRST AID

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

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for RX-380™ is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of RX-380™ Cotton Growth Regulator being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia 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 Adama Australia accepts no responsibility for any consequence whatsoever from the use of this product.

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02/2021 22543