

# CAUTION

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

eChem

# Mepiquat 38

COTTON GROWTH REGULATOR

ACTIVE CONSTITUENT: 38 g/L MEPIQUAT  
(present as the chloride)

For the management of fruiting and excessive vegetative growth  
in Cotton

AS SPECIFIED IN THE DIRECTIONS FOR USE TABLE

200  
Litres

  
**eChem**  
crop protection

**APPLICATION:** eChem MEPIQUAT 38 may be applied using a split application technique, ie. 3 separate low rate sprays applied at strategic times during the growing period. It can also be applied as a single application at the 1st flower stage. Information on rates and timing is given in the "Directions for Use Table". Use a total spray volume to ensure adequate cover of foliage. Add an agricultural wetting agent to improve foliar coverage. If eChem MEPIQUAT 38 is mixed with another product, the addition may not be necessary as one may be present. Application method. eChem Mepiquat 38 may be applied by air or ground equipment. Best results can be obtained with total spray volumes of at least 20 to 30 L/ha for aerial application and 80 to 100 L/ha by ground rig.

**MIXING:** eChem MEPIQUAT 38 mixes readily with water. Add the required amount to the partly full tank, agitate and fill to the desired level.

**LODGING:** Cotton treated with eChem MEPIQUAT 38 that has set bolls packed tightly together against the stem may be more susceptible to lodging should adverse conditions occur.

**PRECAUTION - Re-entry Period.** Do not allow entry onto treated areas until the spray droplets have dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow length PVC gloves. Clothing must be laundered after each day's use.

**COMPATIBILITY:** Do not tank mix with foliar fertilisers. Although eChem MEPIQUAT 38 is compatible with insecticides normally applied to cotton, always check compatibility in a small container prior to use.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:** Do not contaminate dams, rivers drains or streams with the chemical or used containers.

#### 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/mite control and supply of water/nutrients later in the crop growth is in doubt.

**DO NOT** apply eChem MEPIQUAT 38 if rainfall is expected within 8 hours of application as effectiveness may be reduced.

**DO NOT** use on new varieties not available commercially in Australia without first checking with the manufacturer.

CROP	PURPOSE	STATE	RATE Per ha.	CRITICAL COMMENTS
Cotton	To regulate fruiting and vegetative growth.	QLD & NSW only	Split Application Rate:	<b>SPLIT APPLICATIONS/MULTIPLE LOW RATES:</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 where there is a possibility of stress occurring. Check varietal responses to mepiquat chloride with seed producers. Do not apply more than 600 mL per ha in a single application prior to 1st flower.
			250 - 600mL	Apply the 1st spray at early squaring - squares the size of match heads. Use the lower rate unless growth is excessive according to plant measurements.
			250 mL - 1L	Apply the 2nd spray at approx 1st flower. Use the higher rate where growth is excessive according to measurements and there is little chance of crop stress eg. moisture stress or water logging.
	250 mL - 1L	Apply the 3rd spray at approx 14 days later than 1st flower. Apply only if crop growth measurements, eg. internode length indicates excessive growth is likely.		
Control of excess growth			750mL - 2L	<b>SINGLE APPLICATION:</b> 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 cut out 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 THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

#### WITHHOLDING PERIOD:

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

**DO NOT GRAZE OR CUT FOR STOCKFEED ANY TREATED VEGETATION.**

#### GENERAL INSTRUCTIONS:

eChem MEPIQUAT 38 is a foliar applied plant growth regulator, which alters the cotton plant growth pattern and behaviour. One or more of the following effects may be produced in cotton: darker leaf colour, reduction of internodal length, more open canopy, better boll retention, earlier maturity. Some of these effects may favourably influence the yield potential of the cotton plant.

#### Export of Treated Produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets from produce treated with eChem Mepiquat 38. If growing cotton for export, please check with eChem Australia Pty Ltd for the latest information on MRLs and import tolerances BEFORE using this product.

**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 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.

For refillable containers - Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**SAFETY DIRECTIONS:** Avoid contact with eyes and skin. Wash hands after use.

**FIRST AID:** If poisoning occurs, contact a doctor or Poisons Information Centre (ph 13 11 26).

#### MATERIAL SAFETY DATA SHEET (MSDS):

For additional information, refer to MSDS available from eChem (Australia) Pty. Ltd.

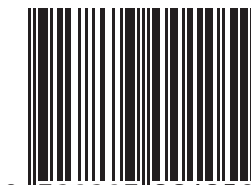
**CONDITIONS OF SALE:** eChem (Australia) Pty. Ltd. accepts responsibility for the consistent quality of the product however since the use and application of the product is beyond control, the company accepts no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.



Batch No:

Date of Manufacture:

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APVMA Approval No.: 52332/0303