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

Apparent 

Ethephon 720

GROWTH REGULATOR

ACTIVE CONSTITUENT: 720 g/L ETHEPHON
(an anticholinesterase compound)

For accelerated boll opening, defoliation and pre-conditioning before defoliation of cotton.

IMPORTANT: Read this booklet before use.

APVMA Approval No: 69191/60200

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DIRECTIONS FOR USE ON COTTON IN: QLD, NSW, WA, NT, only.**RESTRAINTS:**

DO NOT apply if rain is expected within 8 hours.

DO NOT apply if day/night temperature is below 18°C.

DO NOT apply if cotton bolls have been burned by frost.

DO NOT pre-treat with a desiccant (chlorate) before using Apparent Ethephon 720 Growth Regulator.

CROP	MODE OF ACTION	RATE/HA
Cotton	Acceleration of boll opening. Defoliation.	2 L to 3 L in minimum of 20 L water
	Pre-conditioning. Before defoliation.	1.3 L in minimum of 20 L water
	Defoliation #	0.5 - 1 L

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

WITHHOLDING PERIODS:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

DO NOT FEED COTTON STUBBLE OR GIN TRASH TREATED WITH APPARENT ETHEPHON 720 GROWTH REGULATOR TO LIVESTOCK.

DO NOT GRAZE LIVESTOCK ON TREATED PLANTS.

CRITICAL COMMENTS
<p>Apply when there are sufficient unopened mature bolls to produce the desired yield.</p> <p>Use higher rates:</p> <ul style="list-style-type: none"> - On stressed plants, - On a heavy crop canopy - If day/night temperature 5 – 7 days after treatment is expected below 22°C. - Ensure thorough and uniform coverage of bolls and leaves - Refer to further instructions below.
<p>Apply when there are sufficient mature unopened bolls to produce the desired yield. Apply defoliant 4 - 7 days later. Ensure thorough and uniform coverage of bolls and leaves. Refer to further instructions below.</p>
<p>Use in tank mix with a registered rate of DROPP*.</p> <p>Apply when there are sufficient unopened bolls to produce the desired yield.</p> <p>Total application volume should be no less than 20 L/ha.</p> <p>Ensure thorough and uniform coverage of bolls and leaves.</p> <p># This mixture will also provide some acceleration of boll opening, however, a subsequent application of a boll opener may be required to complete a boll opening.</p>

GENERAL INSTRUCTIONS

A foliar spray with Ethephon will accelerate opening of mature bolls and enhance defoliation, which can result in earlier harvest and increased recoverable yield and quality. Some premature drop of small immature bolls may occur. Harvest at optimum boll opening and optimum defoliation. Too late harvest may reduce quality and lint.

COMPATIBILITY

DO NOT mix with desiccants containing sodium chlorate as this could result in emission of toxic chlorine fumes.

Apparent Ethephon 720 Growth Regulator may be tank-mixed with defoliant products.

Since the formulations of other products are beyond the control of Apparent Pty Ltd, tank mixtures should be tested before commercial use.

MIXING

Half fill spray tank with water, add the required amount of product, then remainder of water and mix well.

DO NOT use alkaline water.

APPLICATION

DO NOT apply before sufficient mature unopened bolls have developed to produce the desired yield of cotton.

Bolls are mature when the seed coat turns light brown, the embryo fills the seed cavity with an abundance of creamy colour and cotyledons are well defined.

TREATMENT SEQUENCE

Light canopy: Apply Apparent Ethephon 720 Growth Regulator, then apply defoliant 4 - 7 days later.

Moderate to heavy canopy: First apply a pre-conditioner, then apply Apparent Ethephon 720 Growth Regulator as soon as sufficient leaves have dropped to expose target bolls, usually 4 - 10 days later.

APPLICATION METHOD

Apply by placement techniques as follows to achieve a target droplet density of 60 droplets per sq.cm.

Wind Direction: Cross Wind

Wind speed: 6 - 20 kph

Air Temperature: Maximum 32°C

Delta t: Maximum 10°C

EQUIPMENT

Ethephon is corrosive to metals. Mix only the quantity of spray required for immediate use and do not allow to stand in metal containers for more than 2 hours.

Flush equipment thoroughly with water after use.

PROTECTION OF CROPS, NATIVE & OTHER NON-TARGET PLANTS

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

For Non-Refillable Containers: 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 a designated collection point. If not recycling, break, crush, puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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: 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 Apparent Pty Ltd should be advised immediately. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Product is harmful if swallowed. Attacks eyes and repeated minor exposure may have a cumulative poisoning effect. Protect eyes while using. When preparing spray and using the prepared spray wear elbow-length PVC gloves and face shield or goggles. Wash hands after use. After each day's use, wash gloves and face shield or goggles and contaminated clothing.

FIRST AID

If swallowed do NOT induce vomiting. Give a glass of water. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre, phone Australia 13 11 26, or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

CONDITIONS OF SALE

The use of Apparent Ethephon 720 Growth Regulator being beyond the control of the manufacturer no warranty expressed or implied is given by Apparent Pty Ltd 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 Apparent Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.