

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

**Prep<sup>®</sup> 720**

**GROWTH REGULATOR**

**Active Constituent: 720 g/L ETHEPHON (an anticholinesterase compound)**

**GROUP E FUNGICIDE**

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

### **GENERAL INSTRUCTIONS**

A foliar spray with Prep 720 will accelerate opening of mature bolls and enhance defoliation, which can result in earlier harvest and increased recoverable yield and quality. The crop should be physiologically mature i.e. when the top harvestable boll is mature. Some premature drop of small immature bolls may occur. Harvest at optimum boll opening and optimum defoliation.

### **Export of treated produce**

Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with Prep 720. If you are growing produce for export, please check with Bayer CropScience Pty Ltd for the latest information on MRLs and import tolerances BEFORE using Prep 720.

### **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.

Use only freshly prepared sprays. Do NOT store mixture overnight. Keep mixture agitated while spraying.

### **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**

For optimum effect of Prep 720, sufficient bolls should be exposed to ensure good coverage. Crops with moderate to heavy canopy will usually require a defoliant application first to ensure that the bolls are exposed. On lighter canopied crops, or the second application, sufficient bolls should be exposed to ensure good coverage.

### **Application method**

#### **Aircraft**

Apply by placement technique under the following range of conditions to achieve a target droplet density of 60 droplets per cm<sup>2</sup>.

Wind direction:	Cross wind
Wind speed range:	6 - 20 kph
Air Temperature:	Maximum 32°C
Delta t:	Maximum 10°C

Application by air using 20 to 40 L/ha total volume will be sufficient for good coverage. Do not exaggerate swath width.

#### **Ground sprayers**

Standard boom sprayers are recommended and must be fitted with mechanical or by-pass agitation. Use sufficient water to obtain complete coverage of all leaves, i.e. at least 90 to 100 litres of water per hectare. Good coverage should be obtained with three or more nozzles per row depending upon crop height and canopy density. A nozzle configuration including droppers will give maximum coverage in dry land crops, taking particular care to ensure thorough but even coverage. If band spraying dry land crops, care should be taken when calculating the actual applied rate of Prep 720 per sprayed hectare.

#### **Equipment**

Prep 720 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. Wash application equipment thoroughly after use, including external paintwork, to avoid corrosion.

**Compatibility**

Do not tank mix Prep 720 and sodium chlorate. This mixture will emit toxic chlorine fumes when heated. Prep is compatible with Dropp Ultra, Dropp Liquid and D-C-Tron Cotton Spray Oil.

**PRECAUTIONS**

Do not use manual flagging unless in enclosed cabs.

**Re-entry period**

Do not allow entry into treated areas for 48 hours after treatment. When prior entry is necessary, wear cotton overalls, elbow-length PVC gloves and goggles. Clothing must be washed 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**

Dangerous to fish. DO NOT contaminate streams, rivers or waterways 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. **(20 and 200 L containers only)**

Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 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. Do not re-use empty containers for any other purpose.

**Container with dry break connection (1000 L)**

Empty container by pumping through dry-break connection system. Do not attempt to breach the valve system or the filling point, or contaminate the container with water or other products. When empty, or contents no longer required, return the container to the point of purchase. This drum remains the property of Bayer CropScience Pty Ltd.

**SAFETY DIRECTIONS**

Product is harmful if swallowed. Attacks the eyes. Protect eyes while using. Repeated minor exposure may have a cumulative poisoning effect. 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, 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 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 may be obtained from [www.bayercropscience.com.au](http://www.bayercropscience.com.au).

**EXCLUSION OF LIABILITY**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

APVMA Approval No.: 42096/1209

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<b>CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S</b> <b>(contains ethephon)</b>		
<b>UN No. 3265</b>	<b>PG III</b>	<b>HAZCHEM 2X</b>
FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111		

**DIRECTIONS FOR USE (For use in Qld, NSW, WA, NT only)****Restrictions**

DO NOT apply Prep 720 following application of sodium chlorate, magnesium chlorate or diquat.

DO NOT apply to cotton if bolls have been killed by frost.

DO NOT apply if rain is expected within 8 hours.

DO NOT apply if mean day/night temperature is expected to fall below 18°C.

CROP	MODE OF ACTION	RATE/HA	CRITICAL COMMENTS
Cotton	Acceleration of boll opening.	2.0 L to 3.0 L in minimum of 20 L water	Apply when there are sufficient unopened mature bolls to produce the desired yield. Use higher rates: – On stressed plants – On a heavy crop canopy – If mean day/night temperature 5 to 7 days after treatment is expected to fall below 22°C. Ensure thorough and uniform coverage of bolls and leaves. Refer to further instructions below.
	Pre-conditioning (before defoliation).	1.3 L in minimum of 20 L water	Apply when there are sufficient mature unopened bolls to produce desired yield. Apply defoliant 4 to 7 days later. Ensure thorough and uniform coverage of bolls and leaves. Refer to further instructions below.
	Defoliation and accelerated boll opening <sup>#</sup> .	0.5 - 1.0 L + <b>Dropp<sup>®</sup> Ultra</b> <b>or</b> Dropp Liquid at a suitable registered rate + 2.0 L D-C-Tron <sup>®</sup>	Use in a tank mix with a registered rate of Dropp Ultra or Dropp Liquid. Apply when there are sufficient unopened bolls to produce the desired yield. Total application volume should be no less than 20 L/ha. Ensure thorough and uniform coverage of bolls and leaves. <sup>#</sup> This mixture will also provide some acceleration of boll opening, however a subsequent application of a boll opener may be required to complete boll opening.

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

**WITHHOLDING PERIODS****Harvest**

**DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**Grazing**

**DO NOT FEED COTTON STUBBLE OR GIN TRASH TREATED WITH PREP 720 TO LIVESTOCK.**

**DO NOT GRAZE LIVESTOCK ON TREATED AREAS.**