POISON

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

TITAN

ETHEPHON 900 SL

GROWTH REGULATOR

ACTIVE CONSTITUENT: 900g/L ETHEPHON (an anti-cholinesterase compound)



For accelerated boll opening, defoliation and pre-conditioning before defoliation of Cotton as specified in the Directions For Use table.

APVMA Approval No.: 84704/111165

Pack Size: 1L-1000L

TITAN AG
CROP PROTECTION

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SL Formulation Type
Soluble Liquid Concentrate

IN A TRANSPORT EMERGENCY
• DIAL 000 • POLICE OR FIRE BRIGADE



3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains epoxiconazole and solvent naphtha petroleum, heavy aromatic)
PG III Hazchem •3Z

DIRECTIONS FOR USE

Restraints:
DO NOT apply to weak or stressed plants.
DO NOT pre-condition with sodium chlorate before applying this product.
DO NOT apply if cotton buds have been killed by frost.
DO NOT apply if rain is expected within 8 hours of application.
DO NOT apply if day/night temperatures are expected to fall below 18°C.
DO NOT mix with hard (alkaline) water.
DO NOT apply before sufficient mature unopened bolls have developed to produce the desired yield.

CROP	SITUATION	STATE	RATE/ha	CRITICAL COMMENTS
Cotton	Defoliation, acceleration of boll opening	QLD, NSW only	1.6L to 2.4L in min. 20L water	Application to be made when there are sufficient unopened bolls present to obtain the desired yield. Higher rates are used when the following conditions apply: a) on stressed plants b) on a heavy crop with plenty of foliage present c) if day/night temperatures are likely to drop below 22°C within 5 days of application
	Pre-conditioning of crop before a normal defoliation is to occur		1.04L in min. 20L water	Application to be made when there are sufficient unopened bolls present to obtain the desired yield. The defoliant can then be applied at a time interval 4-7 days later. Ensure thorough coverage of bolls.
	Defoliation #		400mL to 800mL	Use in a tank mix with a registered rate of Escalate Ultra/Escalate. Apply when there are sufficient unopened bolls to produce the desired yield. Total application volume should be no less than 20.0L/ha. Ensure thorough and uniform coverage of bolls and leaves. # 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 PERIOD: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS
A foliar spray with TITAN Ethephon 900 SL Growth Regulator will accelerate opening of mature unopened 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.

APPLICATION – COTTON
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 TITAN Ethephon 900 SL Growth Regulator then apply defoliant 4 to 7 days later.
- **Moderate to heavy canopy:** First apply a pre-conditioner, then apply TITAN Ethephon 900 SL Growth Regulator as soon as sufficient leaves have dropped to expose the large bolls, usually 4 to 10 days later.

APPLICATION METHOD
Apply by placement technique under the following range of conditions to achieve a target droplet density of 60 droplets per square cm.

Wind Direction: Cross Wind, Wind speed range: 6-20 kph

Air Temperature: Maximum 32°C

Delta t: Maximum 10°C

MIXING
Half fill the spray tank with water, add the required amount of product then the remainder of water and mix well. DO NOT use alkaline water.

EQUIPMENT USAGE AND CLEANING
This product is corrosive to metals. Mix only the quantity of spray required for immediate use and do not allow to stand in metal containers for longer than 2 hours. Flush equipment thoroughly after use. Use only properly calibrated and maintained spraying equipment.

COMPATIBILITY
DO NOT tank mix this product with sodium chlorate. This mixture will, when heated, emit toxic chlorine fumes.

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. Wash sprayer thoroughly after use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
DO NOT contaminate wetlands or watercourses with the chemical or used containers.

STORAGE AND DISPOSAL
Store in the closed, original container in a dry, cool, well-ventilated area out of 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 regulation. DO NOT burn empty containers or product.

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

Envirodrum Micro Matic Valve (110L): Store the original sealed Envirodrum 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 Envirodrum 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 Envirodrum have been used, please return the Envirodrum to the point of purchase. The Envirodrum remains the property of TITAN AG Pty Ltd.

1000L: Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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 TITAN Ag Pty Ltd should be advised immediately. This minibulk container is reusable and remains the property of TITAN AG Pty Ltd. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to TITAN AG Pty Ltd for cleaning, relabelling and refilling.

SAFETY DIRECTIONS
Product is harmful if swallowed. Attacks the eyes. 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, face shield or goggles and contaminated clothing.

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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 131126; New Zealand 0800 764 766) 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.

SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Ethephon 900 SL Growth Regulator is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit www.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: May be fatal if swallowed and enters airways. Causes eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May damage the unborn child. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects. Precautionary Statements: Do not handle until all safety precautions have been read and understood. Use only a well-ventilated area. Wear protective gloves and protective clothing. Avoid breathing mist/vapours/spray. Avoid release to the environment. Wash all exposed external body areas thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/physician/first aider/if you feel unwell. If eye irritation persists: Get medical advice/attention. Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.



TITAN AG CROP PROTECTION