

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

GENEREX

CHLORPYRIFOS 300 INSECTICIDE

ACTIVE CONSTITUENT: 300 g/L CHLORPYRIFOS
(an anticholinesterase compound)
SOLVENT: 228 g/L HYDROCARBON LIQUID

| | | |
|--------------|-----------|--------------------|
| GROUP | 1B | INSECTICIDE |
|--------------|-----------|--------------------|

An ultra low volume water miscible formulation for control of *Helicoverpa* spp., mites, aphids and other insect pests of cotton as specified in the Directions for Use.

Contents: 20L, 200L, 1000L

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DIRECTIONS FOR USE:

RESTRAINTS: DO NOT apply if rain is expected within 6 hours of application.

| CROP | INSECT | RATE L/ha | STATE | CRITICAL COMMENTS |
|-------------|--------------------------------------------------------------------------------------------------|------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cotton | Native budworm (<i>Helicoverpa punctigera</i>) Cotton bollworm (<i>H. armigera</i>) | 4 to 5 | NSW and QLD only | Target sprays against brown eggs and newly hatched very small (< 3 mm) and small (3-8 mm) larvae. DO NOT apply more than two applications per season. If using consecutive sprays, allow a 7-10 day interval. |
| | | 1 to 1.5 | | |
| | Mites | 2.5 | | Use in mixture with pyrethroid as a preventative spray to minimise the build up of mite populations. |
| | Cotton aphid | 0.5 to 0.7 | | Apply to established mite populations. Regular sprays at 5-10 day intervals are needed for effective control once mites are established in the crop. |
| | Cotton flea beetle Red shouldered leaf beetle | 1.5 to 2.5 | | Apply when pests first appear. Respray as indicated by populations. Use high rate for heavy infestation. |
| | Pink spotted bollworm (<i>Pectinophora scutigera</i>) | 1.75 | QLD only | Apply as insect numbers indicate To prevent infestation of bolls by larvae, apply when 10 to 15 moths are trapped in moth traps on two consecutive nights. |

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 STOCKFOOD FOR 4 WEEKS AFTER APPLICATION

EXPORT ANIMAL FEED INTERVAL

The Meat Research Corporation Residue Advisory Committee has recommended that an export animal feed interval is not required if this product is used in accordance with the specified withholding period.

GENERAL INSTRUCTIONS

Application:

- Only apply Generex Chlorpyrifos 300 Insecticide through suitably calibrated spray equipment. Thorough cover of the crop is essential. For optimum results follow the application directions listed below:

Application in Water from the Ground or Air

- Apply a minimum spray volume of 50 L/ha by ground rig or 20 L/ha by aircraft.
- Use nozzle configurations which produce droplets with a volume median diameter (VMD) of 150-250 microns. Under conditions of low humidity and high temperatures adjust spray volume and droplet size upward. Do not spray when the temperature exceeds 28°C or when relative humidity is less than 40%. Best results are achieved when the temperature is below 25°C and the relative humidity is greater than 65%.

Aircraft Ultra Low Volume Application

- Apply undiluted Generex Chlorpyrifos 300 Insecticide using Micronair AU5000 nozzles (or similar) with blade angles set to produce a droplet size of 100 micron VMD. Do not spray when the temperature exceeds 32°C or when relative humidity is less than 40%. Best results are achieved when the temperature is below 25°C and the relative humidity is greater than 65%.

MIXING INSTRUCTIONS:

- This product may thicken when mixed with small quantities (approximately 10% v/v) of water. Should this occur, add an equal quantity of water to Generex Chlorpyrifos 300 Insecticide and agitate to reduce the viscosity.

COMPATIBILITY:

- Generex Chlorpyrifos 300 Insecticide is compatible with methomyl, parathion-methyl, deltamethrin, fenvalerate, cypermethrin, cyhalothrin and thiodicarb.

SMALL SPILL MANAGEMENT:

- Wear appropriate clothing whilst cleaning up small spills (see Safety Directions). Apply absorbent material such as earth, sand or clay granules to the spill. Sweep up material and contain in a refuse vessel for disposal. Disposal of the contaminated material must be done in accordance with State and/or Local regulations. See Storage and Disposal for disposal of water used for cleaning equipment.

Insecticide Resistance Warning

| | | |
|-------|----|-------------|
| GROUP | 1B | INSECTICIDE |
|-------|----|-------------|

For insecticide resistance management, Generex Chlorpyrifos 300 Insecticide is a Group **1B** insecticide.

Some naturally-occurring insect biotypes resistant to Generex Chlorpyrifos 300 Insecticide and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Generex Chlorpyrifos 300 Insecticide or other Group 1B Insecticides are used repeatedly. The effectiveness of Generex Chlorpyrifos 300 Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Generex Australia Pty Ltd accepts no liability for any losses that may result from the failure of Generex Chlorpyrifos 300 Insecticide to control resistant insects.

Generex Chlorpyrifos 300 Insecticide may be subject to specific resistance strategies. For further information contact your local supplier, Generex Australia Pty Ltd representative or local department of agriculture agronomist

PRECAUTION

Re-entry to treated areas:

Cotton chippers: Do not allow entry into treated crops until spray deposits have dried. After this time, wear shoes, or boots, socks, long trousers, long sleeved shirt, gloves and hat.

STORAGE AND DISPOSAL

- Store in original containers in a securely locked place, out of direct sunlight. **DO NOT** store near food stuffs, fertilisers or seed.
- Triple or (preferably pressure) rinse containers before disposal and, if using with water, add rinsings to the spray tank. If using as an ULV spray do not add the rinsings to the spray tank as small amounts of water added to the concentrate can cause the solution to thicken. Rinsings may also be disposed of in a disposal pit away from buildings, water courses and desirable plants.
- **DO NOT** dispose of undiluted chemical on-site.
- Destroy empty containers by breaking, crushing or puncturing them. Dispose of the containers at a local authority landfill that does not burn its refuse. If there is no local landfill readily available in your area, bury the containers at a depth of 500 mm or more at a licensed/approved disposal site.
- In some States, wastes can only be buried at a licensed landfill.
- **DO NOT** burn empty containers or product.
- Dispose of rinse water resulting from cleaning spray equipment onto approved disposal areas in accordance with appropriate State legislation, or if this is unavailable, onto unused land away from buildings, desirable plants and water courses. **DO NOT** put rinse water down sewers, gutters or storm water drains.
- **For 1000L containers** - Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

PROTECTION OF CROPS, NATIVE and OTHER NON-TARGET PLANTS:

- Ensure spray drift does not contaminate adjacent crops.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS and ENVIRONMENT:

- HIGHLY TOXIC TO BIRDS AND REPTILES. VERY HIGHLY TOXIC TO FISH AND AQUATIC INVERTEBRATES.
- DO NOT re-apply to the same crop within 7 days (unless specifically recommended in the directions for use).
- Spray drift may occur under adverse meteorological conditions or from certain spray equipment. DO NOT allow spray drift onto sensitive areas including, but not limited to, natural streams, rivers or waterways and human dwellings. A spray drift management strategy such as those in the “Best management Practices Manual for Cotton Growers” or the “Pilots and Operations Manual” should be applied.
- Options for minimising drift to sensitive areas include not spraying within a certain distance of sensitive areas when the wind is blowing towards them (see table for guidance) or ensuring that drifting spray will be intercepted by a catching surface such as a row of shelter trees, an unsprayed row of orchard trees, or hail netting.

| Situation | Recommended buffer distance (m) |
|-----------------------------|---------------------------------|
| Cotton (aerial application) | 300 |

- DO NOT apply if heavy rains or storms that are likely to cause surface run off are forecast in the immediate area within 2 days of application.
- DO NOT apply when irrigating to waterlogged soil, or while water remains on the surface or in furrows, unless tail water is captured on farm.
- DO NOT allow contaminated runoff from treated paddocks to enter adjacent areas or water bodies. Runoff contaminated by irrigation events (tailwater) and a 25mm rain storm should be captured on farm for two days after application.
- **DO NOT** contaminate dams, ponds, waterways or drains with this product, used container or equipment rinsings.
- **DANGEROUS TO BEES: DO NOT** spray any plants in flower while bees are foraging.
- **DO NOT** contaminate food, feed or domestic water supplies.

SAFETY DIRECTIONS

- Product is poisonous if absorbed by skin contact, inhaled or swallowed.
- Repeated minor exposure may have a cumulative poisoning effect.
- Obtain an emergency supply of atropine tablets (0.6mg).
- Will irritate eyes and skin.
- Avoid contact with eyes and skin.
- DO NOT inhale vapour or spray mist.
- When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and a face shield or goggles.
- If product on skin, immediately wash area with soap and water.
- After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
- After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

- **If poisoning occurs, contact a Doctor or Poisons Information Centre (TEL 131126)**
- If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs.
- If poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a Doctor or hospital quickly.
- 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 is available from the supplier.

TERMS OF SALE:

Generex Australia Pty Ltd ("Generex") will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose or in any way contrary to label instructions.

**UN. NO. 3018
(PESTICIDES ORGANOPHOSPHOROUS,
LIQUID, TOXIC N.O.S.) PKG III HAZCHEM 3WE**

NRA Approval No.: 56265/0802

Date of Manufacture:

Batch No: