

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

DIPLOMAT INSECTICIDE



ACTIVE CONSTITUENT: 500g/L CHLORPYRIFOS-METHYL
(an anticholinesterase compound)
SOLVENT: 514g/L HYDROCARBON LIQUID

GROUP	1B	INSECTICIDE
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**A short residual, vapour action insecticide for the knockdown of *Helicoverpa spp.*
in cotton.**

CONTENTS: 20/200/1000/20,000 LITRES

ChemAg Pty Ltd
Suite 12, 11 Preston Street
Como W A 6152
Tel – 08 9367 1799 Fax – 08 9368 6144

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>)	1-2	NSW, NT, Qld and WA	Target sprays against larvae up to medium size (up to 15mm). Use in mixture with registered residual insecticides if residual control is required. Use the lower rate when larval numbers are at or just exceed threshold levels. Increase the rate as larval numbers exceed threshold. DO NOT apply more than 3 applications in one season..

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 ALLOW LIVESTOCK TO GRAZE COTTON CROP, STUBBLE OR GIN TRASH THAT HAS BEEN TREATED WITH CHLORETHYL INSECTICIDE.

GENERAL INSTRUCTIONS

APPLICATION:

Only apply Diplomat Insecticide through suitably calibrated spray equipment. Thorough coverage of the crop is essential. For optimum results follow the application directions listed below:

Aerial Application.

A strategy to minimise spray drift should be employed at all times when aerially applying sprays. Refer to the cotton industry's Best Management Practice Manual.

DO NOT apply by air as a low volume (LV) application using fine sprays (VMD <200 microns) if there is any natural watercourse or wetland downwind within 500 metres of the point of application. For ultra low volume (ULV) applications (VMD <120 microns), the buffer should be extended to 800 meters.

DO NOT apply by air using large droplet placement (LDP) techniques if there is any natural watercourse or wetland downwind within 300 meters of the point of application.

Large Droplet Placement (LDP)

Select a orifice hydraulic nozzles that generate a droplet diameter (VMD) greater than 250 microns (eg. 8010, D8-46, CP straight stream). Apply using a minimum water volume of 30L/ha. Ensure that nozzles are directed backwards parallel with the airflow. Ensure boom lengths are 70% or less of the aircraft wingspan. Ensure aircraft are calibrated to deliver the required application rate at an optimum flight lane separation. Apply when the wind speed is less than 15kph (8 knots)

Low Volume (LV)

Use nozzle configurations that produce droplets with a target volume median diameter (VMD) of 150-200 microns. Apply a minimum spray volume of 20L/ha.

Ultra – Low Volume (ULV)

Apply using appropriate nozzles (eg. Micronair AU5000) to produce droplets with a target volume median diameter (VMD) of not less than 100 microns. Apply in a total volume (product + oil carrier) of no less than 5L/ha. Use D-C Tron Cotton Oil (or similar) as the carrier.

Application by Ground-Rig

Apply a minimum spray volume of 50L/ha. Use nozzle configurations that produce droplets with a volume median diameter (VMD) of 150 – 250 microns. For advice on best practice, refer to the Cotton industry's Best Management Practice Manual or the CRDC Spray Application Guide for Groundrig Operators.

Minimising Spray Drift

Advice to All Applicators

Unsuitable conditions for applying pesticides by air include high temperatures, strong winds or no wind at all (inversion conditions). Application under these conditions will increase drift from the treated area. Try to avoid spraying when the temperature exceeds 32oC or when relative humidity is less than 40%. Best results are achieved when the temperature is below 25oC and relative humidity is greater than 65%. Under conditions of lower humidity and higher temperatures it is advisable to adjust spray volume and droplet size upward.

RAINFASTNESS:

Rain can wash Diplomat Insecticide from treated plant surfaces and result in reduced insect control. Avoid making spray applications when rain is expected within 6 hours of spraying.

COMPATIBILITY:

Diplomat Insecticide is compatible with amitraz, beta-cyfluthrin, bifenthrin, *Bacillus thuringiensis*, deltamethrin, endosulfan, lambda-cyhalothrin, methomyl, mepiquat chloride and thiodicarb.

RESTRICTION:

No manual flaggers for aerial spraying unless protected by engineering controls.

RE-ENTRY PERIOD:

Do not allow entry into treated areas for 24 hours after treatment. If 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.

INSECTICIDE RESISTANCE WARNING

GROUP	1B	INSECTICIDE
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For insecticide resistance management Diplomat Insecticide is a Group 1B insecticide.

Some naturally occurring insect biotypes resistant to Diplomat 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 Diplomat Insecticide or other Group 1B insecticides are used repeatedly. The effectiveness of Diplomat Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, ChemAg Pty Ltd accepts no liability for any losses that may result from the failure of Diplomat Insecticide to control resistant insects.

Diplomat Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, ChemAg Pty Ltd representative or local agricultural department agronomist.

PROTECTION OF CROPS, NATIVE and OTHER NON-TARGET PLANTS

Diplomat Insecticide may cause reddening of cotton foliage especially when applied late in the growing season or when plants are stressed. If Diplomat Insecticide is mixed with any other organophosphate insecticide (Group 1 B Insecticide) severe reddening of the crop may occur. Diplomat Insecticide can be phytotoxic to sorghum and other crops.

PROTECTION OF LIVESTOCK

DO NOT apply by air if grazing livestock have access to areas within 100m of the target crop at the time of application. Dangerous to bees. Avoid direct application to drift of the spray mix onto beehives. DO NOT spray any plants in flower while bees are actively foraging.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to aquatic life. DO NOT contaminate dams, ponds, waterways or drains with the chemical, used container or equipment. DO NOT allow irrigation water from treated water to enter adjacent pastures, crops or water supplies. DO NOT apply in strong winds, inversion conditions or any other conditions that may result in drift onto adjacent pastures, crops or water supplies. DO NOT apply when irrigating, for 2 days after irrigation or if heavy rain is expected within 2 days unless tailwater can be captured.

SMALL SPILL MANAGEMENT

Wear protective equipment (see Safety Directions). Apply absorbent material such as earth, clay granules, and or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal in the same manner as for containers (see Storage and Disposal Section). If spilled inside a building wash contaminated surfaces to deactivate the chlorpyrifos-methyl with a solution of bleach (sodium hypochlorite) prepared according to the bleach label instructions for normal cleaning purposes.

STORAGE AND DISPOSAL

Store in the dosed, original container in a dry, cool, well ventilated area.

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.

DO NOT put rinse water down sewers, gutters or storm water drains.

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

SAFETY DIRECTIONS

Product is poisonous if absorbed by skin contact or swallowed. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and 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 (Phone 13 11 26). 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.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS). Available from ChemAg on request.

CONDITIONS OF SALE

“ChemAg Pty Ltd (“ChemAg”) shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever of 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 ChemAg’s skill or judgement in purchasing or using the same and every person dealing with the product does at his own risk absolutely. No representative of ChemAg has any authority to add to or alter these conditions”.

NRA Approval No: 53814/0801

Batch Number:

Date of Manufacture: