

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

KENSO AGCARE

PREVAKEN 350 WG

INSECTICIDE

ACTIVE CONSTITUENT: 350 g/kg CHLORANTRANILIPROLE

GROUP 28 INSECTICIDE

For the control of Lepidopteran species of insect pests in Pulse crops,
as per the directions for use

Kenso Corporation (M) Sdn Bhd
Level 1, 98 Commercial Road,
Teneriffe QLD 4005
Phone (07) 3216 1188
www.kenso.com.au



IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

CONTENTS: 5 Kilograms APVMA Approval No.: 92265/ 134952

KENSO AGCARE PREVAKEN 350 WG INSECTICIDE

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, well-ventilated area, as cool as possible 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 500 mm 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 regulations. Do not burn empty containers or product.

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. Wash hands after use.

FIRST AID

First aid is not generally required. If in doubt, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766 or a doctor).

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which can be obtained from www.kenso.com.au.

CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the

merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.

In a Transport Emergency
Dial **000**
Police or Fire Brigade



Batch No.:

Date of Manufacture:

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agcare

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Insecticide

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RESTRAINTS

DO NOT apply if heavy dew is present on crops, or if rainfall is expected within 2 hours of application.

DO NOT make more than 2 applications per chickpea, soybean or mung bean crop per season. Applications must be a minimum of 7 days apart.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a Medium spray droplet size category.

- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN

Store in the closed, original container in a dry, well-ventilated area, as cool as possible 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 500 mm 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 regulations. Do not burn empty containers or product.

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Buffer zones for boom sprayers

Application Rate	Mandatory downwind buffer zones
Up to maximum label rate (70 g/ha.)	Natural aquatic areas
	20 metres

DO NOT apply by aircraft unless the following requirements are met:

- Spray droplets not smaller than a Medium spray droplet size category.
- For release heights 25% of wingspan or 25% of rotor diameter or lower above the target canopy, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for aircraft') are observed.

Buffer zones for aircraft

Application Rate	Wind speed conditions	Mandatory downwind buffer zones
		Natural aquatic areas
Up to maximum label rate (70 g/ha.)	3-7 km/hr	100 metres
	8-14 km/hr	200 metres
	15-20 km/hr	400 metres

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* Not a registered trademark of Kenso

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TRADE ADVICE

EXPORT STATEMENT: Import tolerances for produce treated with Prevaken 350 WG insecticide may be pending in some countries. Consult with your exporter or Kenso Agcare Pty Ltd before applying Prevaken 350 WG insecticide to export crops.

PRECAUTION

DO NOT use human flaggers/markers unless they are protected by engineering controls such as vehicles with enclosed cabs.

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 near-by non-target plants/crops, cropping lands or pastures.

PROTECTION OF LIVESTOCK

Based on Good Agricultural Practices (GAP), Kenso Agcare Prevaken should not be applied when bees are actively foraging.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to aquatic invertebrates. Drift and run off from treated areas may be hazardous to aquatic organisms in neighbouring areas. **DO NOT** contaminate streams, rivers or waterways with the chemical or used containers

DIRECTIONS FOR USE

For use in all States where appropriate for the crop and/or insect pest.

CROP	PEST	RATE/HA	WHP	CRITICAL COMMENTS
Chickpea	Cotton bollworm (<i>Helicoverpa armigera</i>) Native budworm (<i>Helicoverpa punctigera</i>)	70 g + non-ionic surfactant @ 125 g ai/100 L	14 days	A maximum of two applications are to be applied to any one pulse crop per season. Further treatments should be made with alternative mode of action insecticides. Regularly scout crops to monitor for larvae. Target sprays against larvae. Apply as larvae reach threshold numbers. Larvae in entrenched feeding sites will not be controlled.
Mung bean, Soybean	Bean podborer (<i>Maruca vitrata</i>) Cotton bollworm (<i>Helicoverpa armigera</i>) Native budworm (<i>Helicoverpa punctigera</i>) Soybean looper (<i>Thysanoplusia orichalcea</i>) Bean looper (<i>Mocis alterna</i>) Irrorated tabby (<i>Anticarsia irrorata</i>)			Use enough water to ensure thorough coverage of the crop. Target a minimum of 100 L/ha by ground rig and a minimum of 30 L/ha by aircraft. Use in accordance with Crop Life Insecticide Resistance Management Strategy guidelines. Target brown eggs and hatchlings (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold and before they become entrenched in flowers or pods.

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

WITHHOLDING PERIODS

HARVEST

CHICKPEA, MUNG BEAN, SOYBEAN: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

GRAZING

CHICKPEA, MUNG BEAN, SOYBEAN: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

GROUP	28	INSECTICIDE
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INSECTICIDE RESISTANCE WARNING

For insecticide resistance management Kenso Agcare Prevaken 350 WG insecticide is a Group 28 insecticide. Some naturally occurring insect biotypes resistant to Prevaken 350 WG insecticide and other Group 28 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Prevaken 350 WG insecticide and other Group 28 insecticides are used repeatedly. The effectiveness of Prevaken 350 WG insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use Kenso Agcare Pty Ltd accepts no liability for any losses that may result from the failure of Prevaken 350 WG insecticide to control resistant insects. Strategies to minimise the risk of insecticide resistance are available.

To help prevent the development of resistance to Prevaken 350 WG insecticide observe the following instructions:

- Apply Prevaken 350 WG insecticide or other Group 28 insecticides using a "window" approach to avoid exposure of consecutive insect pest generations to the same mode of action. Multiple successive applications of Prevaken 350 WG insecticide or other Group 28 insecticides are acceptable if they are used to treat a single insect generation.
- Following a "window" of Prevaken 350 WG insecticide or other Group 28 insecticides, rotate to a "window" of applications of effective insecticides with a different mode of action.
- The total exposure period of all "Group 28-active windows" applied throughout the crop cycle (from seedling to harvest) should not exceed 50% of the crop cycle.
- Incorporate IPM techniques into the overall pest management program.
- Monitor insect populations for loss of field efficacy.
- Cultivate all pulse crop fields as soon as possible after harvest to destroy over-wintering pupae of *Helicoverpa armigera*.

For further information contact your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local Kenso Agcare Pty Ltd Representative.

For additional information on insect resistance, modes of action and monitoring visit the insecticide Resistance Action Committee (IRAC) on the web at <http://www.ircac-online.org>

GENERAL INSTRUCTIONS

Prevaken 350 WG insecticide is an anthranilic diamide insecticide in the form of a water dispersible granule. Prevaken 350 WG insecticide is particularly active on Lepidopteran insect pests, primarily as a larvicide. Prevaken 350 WG insecticide should be applied after careful field monitoring of pest populations of eggs and larvae to determine the need for application, the correct timing of the initial application and of any subsequent applications. Subsequent applications are dependent on economic thresholds, as well as the growth rate of new unprotected cotton terminals.

For *Helicoverpa* species, spray applications should be timed to coincide with egg hatching and before larvae are entrenched in protected feeding sites.

Prevaken 350 WG insecticide has been specifically designed for use in Integrated Pest Management (IPM) schemes. Prevaken 350 WG insecticide does not give traditional larval "knockdown" control. Prevaken 350 WG insecticide enters larvae primarily by ingestion of treated foliage, or through penetration of the insect cuticle. After ingesting Prevaken 350 WG insecticide, the larvae cease feeding and die four to five days later. Prevaken 350 WG insecticide provides flower and pod protection in pulse crops.

MIXING

Fill spray tank to ¼ to ½ full of water. Measure the amount of Prevaken 350 WG insecticide required for the area to be sprayed. Add Prevaken 350 WG insecticide directly to the spray tank with the agitation engaged. Mix thoroughly to disperse the insecticide. Once dispersed, the material must be kept in suspension at all times by continuous agitation. Use mechanical or hydraulic means, DO NOT use air agitation, premix or slurry.

If spray solution is left standing, ensure thorough re-agitation of the spray mix until fully resuspended. DO NOT allow spray mix to sit overnight, as resuspension may be difficult.

SURFACTANTS

Use a non-ionic surfactant/wetting agent at 125 g active/100 L, (e.g. BS1000* @ 125 mL/100 L).

DO NOT add a non-ionic surfactant/wetting agent if:

- mixing with another product which already contains a surfactant and/or the product label advises not to add a surfactant.
- mixing with a liquid fertiliser

APPLICATION

Application equipment should be calibrated to apply at least sixty (60) droplets per cm² of target foliage. Droplet VMD should be of medium spray quality.

Ground application

Apply as a blanket spray or as a banded spray. Ensure thorough spray coverage on the foliage, using appropriate fan nozzles. Apply in a minimum spray volume of 100 L/ha and keep the boom low to avoid spray drift. A minimum spray pressure of 275 kPa (40 psi) should be used with fan nozzles applying insecticides. Higher pressure reduces droplet size, DOES NOT improve canopy penetration and may increase drift potential.

WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.

For band spraying, increase the number of fan nozzles per crop row as the plant size increases.

Aerial application

Prevaken 350 WG insecticide must only be applied with aircraft fitted with accurately calibrated equipment. Apply a minimum total spray volume of 30 L/ha with nozzles (e.g. Micronaire rotary atomisers, CP nozzles or conventional hydraulic nozzles) set to medium spray quality. A spray drift minimisation strategy, should be employed at all times when applying this product. DO NOT apply Prevaken 350 WG insecticide using Ultra Low Volume (ULV) methods.

COMPATIBILITY

Since formulations may be changed and new ones introduced, it is recommended that users premix a small quantity of the desired tank mix and observe possible adverse changes (settling out, flocculation etc). Avoid complex tank mixtures of several products or very concentrated spray mixtures. Prevaken 350 WG insecticide is compatible with Amitraz, Kenso Agcare Mepiquat 38 and Kenso Agcare Mepiquat Xtra 250 Plant Growth Regulator. Prevaken 350 WG insecticide is not compatible with Ultra Low Volume (ULV) formulations. The mixing sequence recommended is: water soluble bags, dry flowable or water dispersible granules (Prevaken 350 WG insecticide), wettable powders, water based suspension concentrates, water soluble concentrates, oil based suspension concentrates, emulsifiable concentrates, adjuvants and surfactants, soluble fertilisers.

Spray Equipment Cleanout

Prior to application, start with clean, well-maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove. Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom, and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. DO NOT clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.