

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

Kenso Agcare

BRUTUS 800



Insecticide

Active Constituents: 800g/kg FIPRONIL

GROUP **2B** INSECTICIDE

For the control of various insect pests in bananas, brassicas, cotton,
wine grapevines, potatoes and sugarcane as specified
in the DIRECTIONS FOR USE Table.

CONTENTS: 500g, 1kg and 5kg

APVMA Approval No: 68695 / 58917



Kenso Corporation (M) Sdn Bhd
3C / 59 Oxford Street
Bulimba QLD 4171
Phone (07) 32179788

Kenso Agcare Brutus 800 Insecticide

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. Single rinse before disposal. Add rinsings to the spray tank. **DO NOT** dispose of undiluted chemicals on site.

puncture and deliver empty packaging for appropriate disposal 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 regulations. **DO NOT** burn empty containers or product.

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. Will irritate the eyes and skin. **DO NOT** inhale dust. Avoid contact with eyes and skin. When opening the container, preparing product for use and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and face shield or goggles. If product is in eyes wash it out immediately with 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 Australia 13 11 26).

MATERIAL SAFETY DATA SHEET

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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.

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| In a Transport Emergency Dial 000 Police or Fire Brigade |
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Batch No:
Date of Manufacture:

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DIRECTIONS FOR USE

| CROP | PEST | STATE | RATE | WHP | CRITICAL COMMENTS |
|--|---|-----------------------------------|---|-------------|---|
| Bananas | Banana Rust Thrips (<i>Chaetanaphothrips signipennis</i>) | Qld, NSW, WA, NT only | <p><u>Butt application</u> All planting configurations: 37.5 g/100L water (0.19 g/stool)</p> <p><u>Band application</u> All planting configurations: 10 g/100m² treated area</p> <p>(See table under General Instructions Application for calculation of the treated area)</p> | - | <p>Dangerous to bees. Refer to PROTECTION OF LIVESTOCK</p> <p>Timing Application should ideally be made at least two months prior to bunch emergence to reduce early thrips pressure. Such an application could coincide with an application for banana weevil borer control (see label directions below).</p> <p>Butt application Apply in a coarse spray covering the stem to a height of 30 cm and the soil/trash in a 30 cm radius from the stem base. Apply a total volume of 500 mL solution per stool. Ensure thorough coverage of butt, suckers, trash and exposed soil.</p> <p>Band application Apply in a band along each row. The bandwidth should be such that at least 30 cm of soil/trash is treated on both sides of the butt. Apply with a side delivery boom and offset nozzles directed to spray at least 30 cm of soil on either side of the butt and to a height of 30 cm up the stems. Repeat the application from the opposite side of the row. Half of the spray volume required to treat each row should be applied from each direction of spraying. For double row configurations treat both rows with each pass, ensuring the ground area between the two rows is also treated. Ensure thorough coverage of butt, suckers, trash and exposed soil. Apply in a minimum water volume of 13 L/100 m² (trash removed) or 26L/100m² (trash retained). See table under General instructions Application for guidance.</p> |
| | | | | | <p>Dangerous to bees. Refer to PROTECTION OF LIVESTOCK</p> <p>Diamondback moth can rapidly become resistant to insecticides. To preserve the effectiveness of Kenso Agcare Brutus 800 Insecticide, limit the number of applications to no more than 4 per year, preferably applied within an 8 week period. Use spray volume of between 400 and 1000L/ha according to crop size. Use a non-ionic wetting agent at the rate specified by the manufacturer for use in horticultural crops. Ensure that the rate of wetting agent used results in efficient spray coverage of the leaf surface. This use is subject to an CropLife Resistance Management Strategy. Refer to your Kenso Agcare Australia Pty Ltd representative for details.</p> |
| Brassicas (Head Cabbage, Cauliflower, Broccoli, Brussels Sprouts, Kohlrabi) | Diamondback Moth (<i>Plutella xylostella</i>), Cabbage White Butterfly (<i>Pieris rapae</i>), Cabbage Cluster Caterpillar (<i>Crociodolomia pavonana</i>) | All states | 60 g/ha | 7 days (H) | <p>Dangerous to bees. Refer to PROTECTION OF LIVESTOCK</p> <p>Diamondback moth can rapidly become resistant to insecticides. To preserve the effectiveness of Kenso Agcare Brutus 800 Insecticide, limit the number of applications to no more than 4 per year, preferably applied within an 8 week period. Use spray volume of between 400 and 1000L/ha according to crop size. Use a non-ionic wetting agent at the rate specified by the manufacturer for use in horticultural crops. Ensure that the rate of wetting agent used results in efficient spray coverage of the leaf surface. This use is subject to an CropLife Resistance Management Strategy. Refer to your Kenso Agcare Australia Pty Ltd representative for details.</p> |
| | Cotton Thrips (<i>Thrips tabaci</i>) Green Mirid (<i>Creontiades dilutus</i>) | Qld, NSW, WA only | 15.5 – 30 g/ha | 4 weeks (H) | <p>Apply at the first sign of the pest. Kenso Agcare Brutus 800 Insecticide will take 3-4 days to reach full effectiveness. Use the higher rate in situations of high thrips pressure.</p> <p>Apply spray to achieve thorough coverage of foliage when pest first appears and repeat as required. Use the higher rate under sustained heavy Green Mirid pressure. The product is compatible with early season IPM with the lower rate having less impact on beneficials.</p> |
| Potatoes | Wireworm (various), Mole Cricket (various) | All states | 62.5 g/ha | - | Apply as a broadcast spray to the surface of the soil and incorporate to a depth of 15 cm prior to planting. |
| | Whitefringed Weevil (<i>Naupactus eucloma</i>) | All states | 125 g/ha | | |

| CROP | PEST | STATE | RATE | WHP | CRITICAL COMMENTS |
|-----------------|--|-----------------------|--|-----------------|--|
| Wine grapevines | Fig Longicorn (<i>Acalolepta vastator</i>) | All states | 25 g/ha | - | Apply as a single spray to dormant vines following pruning and prior to budburst. Apply only as high volume spray using hand held equipment. Thorough coverage of vine trunks and cordons is essential for effective control. Refer to Application Wine Grapevines. |
| Sugarcane | Sugarcane Weevil Borer (<i>Rhabdoscelus obscurus</i>) | NSW, Qld, WA, NT only | 0.5 - 1.4 g/100m row | 12 weeks (H, G) | Dangerous to bees. Refer to PROTECTION OF LIVESTOCK Apply during the summer months of December to February when the crop has produced the first millable internode of cane. Use hollow cone nozzles as a directed spray to cover the base of the sugarcane stools and up the stalk to a height of 40 cm. Treat both sides of the stools ensuring coverage of all stalks, soil and trash in an area to 10 cm either side of the stools. Use a non-ionic wetting agent at the rate specified by the manufacturer. Ensure that the rate of wetting agent used results in efficient spray coverage of the stalk, soil and trash surface. Apply in a minimum water volume of 250L/ha (approx 3.8L/100m row). Use the higher rate when pest pressure is heavy. |
| | Sugarcane Wireworm (various) | | Single row plantings 0.3 g/100m single row length Double row plantings 0.5 g/100m double row length | - | Apply in the planting furrow over the top of plant pieces (setts) in sufficient water to ensure coverage of the plant pieces and the surrounding soil. |

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

WITHHOLDING PERIODS:

(H) = HARVEST, (G) = GRAZING

BANANAS: NOT REQUIRED WHEN USED AS DIRECTED

BRASSICAS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

COTTON: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD

WINE GRAPES: NOT REQUIRED WHEN USED AS DIRECTED (H)

DO NOT FEED TRASH OR BY-PRODUCTS RESULTING

FROM TREATED GRAPEVINES TO LIVESTOCK

POTATOES: NOT REQUIRED WHEN USED AS DIRECTED

DO NOT GRAZE OR CUT FOR STOCK FOOD ANY PART

OF FAILED CROP (INCLUDING TUBERS)

SUGARCANE: DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12

WEEKS AFTER APPLICATION

LIVESTOCK: WITHHOLD STOCK FROM SLAUGHTER FOR 21 DAYS

AFTER APPLICATION, WHERE STOCK WERE PRESENT

IN CROP AT TIME OF APPLICATION.

INSECTICIDE RESISTANCE WARNING

GROUP 2B INSECTICIDE

For insecticide resistance management Kenso Agcare Brutus 800 Insecticide is a Group 2B Insecticide. Some naturally occurring insect biotypes resistant to Kenso Agcare Brutus 800 Insecticide and other Group 2B Insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Kenso Agcare Brutus 800 Insecticide or other Group 2B Insecticides are used repeatedly. The effectiveness of Kenso Agcare Brutus 800 Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Kenso Agcare Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects. Kenso Agcare Brutus 800 Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Kenso Agcare Australia Pty Ltd representative or local agricultural department agronomist.

RESIDUES MANAGEMENT IN EXPORT PRODUCE

Crops

Growers should note that MRLs or import tolerances do not exist in all markets for produce treated with Kenso Agcare Brutus 800 Insecticide. If you are growing produce for export, please check with Kenso Agcare Australia Pty Ltd for the latest information on MRLs and import tolerances BEFORE using Kenso Agcare Brutus 800 Insecticide.

Livestock

Livestock may be exposed to fipronil residues in the feed by grazing treated fodder. Observance of the 14 day grazing withholding period permits compliance with Australian MRLs for fipronil in meat, offal and milk. To meet more stringent export residues requirements, Meat and Livestock Australia recommends Export Slaughter Intervals (ESIs) and Export Grazing Intervals (EGIs) for Kenso Agcare Brutus 800 Insecticide. When livestock grown for export are grazed on fodder treated with Kenso Agcare Brutus 800 Insecticide the user must obtain details of the recommended export intervals from Meat and Livestock Australia and must follow those recommendations.

MIXING**Bananas, Brassicas, Cotton, Wine Grapevines, Potatoes, Sugarcane**

Slowly add the required amount of product to water in the spray tank while stirring or agitating. Agitate while spraying.

APPLICATION**Bananas**

Ensure thorough coverage of butts, suckers and surrounding trash and exposed soil.

Bananas (Band Spray)

Calculation of the quantity of Kenso Agcare Brutus 800 Insecticide and minimum water volume required to treat a 100m row length of bananas for various band widths.

| Band width to Be treated# | Spray area Per 100m row | Total quantity of Kenso Agcare Brutus 800 Insecticide required per 100m row* | Minimum recommended water volume per 100m (Trash removed)* | Minimum recommended water volume per 100m (Trash retained)* |
|---------------------------|-------------------------|--|--|---|
| 1.5m | 150m ² | 15g | 20L | 40L |
| 2.0m | 200m ² | 20g | 27L | 54L |
| 2.5m | 250m ² | 25g | 33L | 66L |
| 3.0m | 300m ² | 30g | 40L | 80L |

#Band width = butt diameter plus 30 cm on either side of the butt

*Rows should be treated from both sides. The quantities stated are the total amounts to be applied, i.e. half of the stated quantity should be applied from each direction of spraying.

Brassicas

Ensure thorough coverage of foliage and heads.

Cotton

For ground application use a prepared spray volume of 35 – 75L/ha depending on the size of the crop. For aerial application see 'Aerial application' instructions below.

Wine Grapevines

Imtrade Regal 800 WG Insecticide should be applied by hand held equipment as a high volume directed spray of approximately 500 mL solution per vine.

AERIAL APPLICATION

Use spray techniques that minimize off-target spray drift. **DO NOT** use rotary atomisers. Use application volumes between 20L and 50L/ha. Achieve a droplet density of ~60 droplets/cm² on a flat surface on the target. When spraying large droplets (>250 µm), increase the application volume to > 40L/ha to ensure sufficient droplets are produced. Aerial application is not recommended for brassica and potato crops.

PRECAUTIONS**Re-entry period**

DO NOT allow entry into treated areas until spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use. Human flaggers, if used in aerial spraying operations, must be protected by enclosed cabs.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply in weather conditions or from spraying equipment, that may cause spray to drift onto non-target plants/crops, cropping lands or pastures.

PROTECTION OF LIVESTOCK**Dangerous to bees.**

DO NOT apply where bees from managed hives are foraging and crops, weeds or cover crops are in flower at the time of spraying, or are expected to flower within 28 days.

Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar, if there is potential for managed bees to be affected by the spray or spray drift. If an area has been sprayed accidentally in which the crop,

weeds or cover crop were in flower or subsequently came into flower, notify beekeepers in order to keep managed bees out of the area for at least 28 days from the time of spraying.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Highly toxic to fish and aquatic organisms.

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

DO NOT spray across open bodies of water. This product will kill susceptible non-target invertebrates, including beneficial species, if they are exposed to drift.

DO NOT apply aerially to brassicas and potatoes. A spray drift minimization strategy should be employed at all times when aerially applying sprays to or near sensitive areas. The strategy envisaged is exemplified by the cotton industry's Best Management Practice Manual.

STORAGE AND DISPOSAL

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|  | <p>PESTICIDE, SOLID, TOXIC, N.O.S. (contains fipronil) UN NO. 2902 PG III HAZCHEM: 2X</p> |
|---|--|

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 Dial 000
 Police or Fire Brigade



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