

# POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

*KENSO AGCARE*

# RADICLE 600 FS

**FLOWABLE SEED DRESSING INSECTICIDE**

ACTIVE CONSTITUENT: 600 g/L IMIDACLOPRID

**GROUP 4A INSECTICIDE**

For the control of various insect pests in a range of crops and the prevention of spread of barley yellow dwarf virus in cereal crops, as specified in the Directions for Use table.



Kenso Corporation (M) Sdn Bhd  
3C / 59 Oxford Street  
Bulimba QLD 4171  
Phone (07) 3217 9788  
[www.kenso.com.au](http://www.kenso.com.au)

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

**CONTENTS: 20 Litres APVMA Approval No.: 62062/ 106079**

# KENSO AGCARE RADICLE 600 FS FLOWABLE SEED DRESSING 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. Triple or preferably pressure rinse container 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 500 mm 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.

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

Store the original sealed drum in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the non-return valve or the security seal. DO NOT contaminate the drum with water or any foreign matter.

After each use of the product, please ensure that the non-return valve, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, please return the empty drum to the point of purchase. The drum remains the property of Kenso Corporation (M) Sdn Bhd.

## SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and using the product, wear elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves.

## FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 13 11 26).

## MATERIAL SAFETY DATA SHEET

For further Information refer to the Material Safety Data Sheet (MSDS), which can be obtained from [www.kenso.com.au](http://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

Product of Malaysia



Batch No.:

Date of Manufacture:

# **KENSO AGCARE RADICLE 600 FS FLOWABLE SEED DRESSING INSECTICIDE**

## **HARMFUL IF SWALLOWED**

Wash contacted areas thoroughly after handling. Do not eat, drink or smoke when using this product. IF

SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.

## **MAY CAUSE AN ALLERGIC SKIN REACTION**

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Specific treatment (see FIRST AID on this label).

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**KENSO**  
*agcare*  
**RADICLE 600 FS**

Flowable Seed Dressing Insecticide

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® is not a registered trademark of Kenso Corporation (M) Sdn.Bhd.



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**DIRECTIONS FOR USE:**

See **GENERAL INSTRUCTIONS** for specific application details.

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton	Thrips	580mL, 875mL or 1.17L/100kg of seed	Thrips damage is dependent upon thrips infesting cotton seedlings and the subsequent growth rate of the plants. Choose a higher rate if high thrips pressure is expected (e.g. winter cereals and weeds supporting thrips) and/or cotton seedlings are expected to experience slow growth (e.g. cool weather from early planting or sown in shorter season districts). The mid-rate is considered a general rate for normal conditions.
	Aphids	875mL or 1.17L/100kg of seed	When applied for thrips control, these rates will also control early season aphids.
	Brown flea beetle	580mL, 875mL or 1.17L/100kg of seed	When applied for thrips control, these rates will also reduce damage to cotyledons caused by brown flea beetle.
	Wireworms	875mL or 1.17L/100kg of seed	Use the higher rate for increased length of control.
Maize, Sorghum, Sunflower, Sweet corn	sugarcane wireworm ( <i>Agrypnus variabilis</i> ), eastern false wireworm ( <i>Pterohelaeus darlingensis</i> ), striate false wireworm ( <i>Pterohelaeus alternatus</i> ), southern false wireworm ( <i>Gonocephalum macleayi</i> ), black field earwig ( <i>Nala lividipes</i> ), wingless cockroach ( <i>Cosmozosteria spp.</i> , <i>Calolampra elegans</i> , <i>C. solida</i> ), field cricket ( <i>Teleogryllus commodus</i> ), black sunflower scarab ( <i>Pseudoheteronyx basicollis</i> )	maize: 1.4mL/1000 seeds  sorghum, sunflower, sweet corn: 430mL/100kg of seed	Apply only to high quality seed. Ensure thorough coverage of seed.

CROP	PEST	RATE	CRITICAL COMMENTS
Canola	Aphids	400mL/100kg of seed	Radicle 600 FS will protect canola seedlings from early season aphid damage.
	Blue oat mite, redlegged earth mite		Radicle 600 FS will protect emerging seedlings for 3-4 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence to ensure Radicle 600 FS performance. <b>For autumn sowing:</b> After a pasture phase sow Radicle 600 FS treated seed following a well timed spring spray (prior to the development of diapause eggs) of Le-Mat <sup>®</sup> 290 SL Insecticide. After a cropping phase a spring spray is not usually required, however if monitoring in spring finds moderate mite populations, a spring spray should be applied. <b>For spring sowing:</b> After a pasture phase apply a spray of Le-Mat <sup>®</sup> prior to sowing Radicle 600 FS treated seed. Radicle 600 FS does not affect the viability of Rhizobia when Radicle 600 FS is mixed with inoculant and seed is sown immediately into a moist soil.
	Forage and seed pasture, e.g. grasses such as ryegrass, fescue and phalaris; clovers such as subterranean, white, red and strawberry; medics; lucerne		
	Forage brassicas (kale, turnips, rape and swedes)		
Lupins		300mL/100kg of seed	
Cereals	Feeding damage caused by wheat aphid and corn aphid	120 or 240mL/100kg of seed	Use higher rate for increased length of control and in areas of high risk.
	Spread of barley yellow dwarf virus		In high risk areas with over 500 mm rain or moderate risk areas with over 400 mm rain in seasons following summer rains, a synthetic pyrethroid top-up spray should be applied 7 to 8 weeks after sowing.

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

## WITHHOLDING PERIODS:

### Harvest

**Cotton and food producing crops: NOT REQUIRED WHEN USED AS DIRECTED**

### Grazing

**Maize, sorghum or sweet corn plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN FOUR WEEKS OF SOWING**

**Pasture, canola or forage brassica plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN SIX WEEKS OF SOWING**

**Cereal or lupin plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN NINE WEEKS OF SOWING**

## GENERAL INSTRUCTIONS

### Insecticide Resistance Warning

GROUP	<b>4A</b>	INSECTICIDE
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For insecticide resistance management, Radicle 600 FS is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to Radicle 600 FS and other Group 4A insecticide may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Radicle 600 FS and other Group 4A insecticides are used repeatedly. The effectiveness of Radicle 600 FS on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Kenso Corporation (M) Sdn Bhd accepts no liability for any losses that may result from the failure of Radicle 600 FS to control resistant insects. Radicle 600 FS may be subject to specific resistance management strategies. For further information contact your local supplier, Kenso Agcare representative or local agricultural department agronomist.

## GENERAL INSTRUCTIONS

### Cotton

#### Mixing and seed treatment

Prior to pouring or pumping Radicle 600 FS from the container, either shake container vigorously or operate pump by-pass to ensure thorough mixing of the contents. Flowable formulations will settle over time. Add most of the water into the mixing vat followed by flowable fungicides (e.g. quintozone), coating agents (e.g. Peridiam, Nacret) and Radicle 600 FS and stir until homogenous. Then add the emulsifiable liquid fungicide (e.g. Apron 200 SL) slowly whilst stirring. Calibrate commercial seed dressing equipment to ensure the seed throughput is mixed with the correct dose of slurry seed dressing. Ensure the seed dressing mixture is applied to the maximum number of seeds when initially applied to the seed. Retain seed in mixing chamber until coverage on seed is good. Store treated seed under cover in cool, dry conditions. Do not treat seed with poor viability. Do not store treated seed near foodstuffs or where likely to prove hazardous to humans or animals.

### Forage and seed pasture, canola, forage brassicas, lupins, summer crops

#### Mixing and seed treatment

Prior to pouring, shake container vigorously, then add the required quantity of Radicle 600 FS to sufficient water to give even coverage of the seed to be treated. Place seed in mixing equipment and rotate. Mix Radicle 600 FS with sufficient water to give even coverage of seed and spray onto seed. For small seeds, apply a total volume of Radicle 600 FS plus water of 1.5L/100kg seed. For large seeds, apply a total volume of Radicle 600 FS plus water of 500mL/100kg seed. Continue rotation until all liquid is distributed on seed. Store treated seed under cover in cool, dry conditions. Do not treat seed with poor viability. Do not store treated seed near foodstuffs or where likely to prove hazardous to humans or animals. Do not carry over maize, sorghum, sunflower or sweet corn seed from one season to the next season. The insecticidal activity of Radicle 600 FS on the seed is maintained for a minimum of two seasons.

**Flow rate:** Radicle 600 FS treated seed may slow flow rate of seed. Check flow rate of seed through sowing machinery before sowing to ensure the desired seeding rate is achieved.

### Cereal crops

#### Mixing and seed treatment

Prior to pouring, shake container vigorously, then add the required quantity of Radicle 600 FS to sufficient water to give even coverage of the cereal seed to be treated. The quantity of water used for mixing will vary depending on type of equipment and quality of seed. Use a minimum of 400mL of mixture (i.e. Radicle 600 FS plus water) with each 100kg of seed. Do not use more than 600mL of mixture (product+water) with each 100kg of seed. Whatever dilution is used it is essential that 120mL (or 240mL) of Radicle 600 FS is applied/ 100kg seed. The mixture should be gently stirred regularly.

### Seed quality

Radicle 600 FS seed treatment should not be used on seed with more than 12% moisture content, or on sprung, sprouted, damaged or severely pinched seed, or seed of poor viability. If in doubt, have a germination test carried out on the seed before treatment to ensure that it is of acceptable standard. Treating with Radicle 600 FS as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions at treatment. The use of Radicle 600 FS mixed with water at recommended rates will have no effect on the storage life of treated sound seed.

### Compatibility

Radicle 600 FS Flowable Seed Dressing Insecticide is compatible with Baytan® C Flowable Seed Dressing and Raxil® C Flowable Seed Dressing for use on cereal seeds. Do not use more than 600mL of total mixture/100kg seed (i.e. Radicle 600 FS plus Baytan® or Raxil® plus water). Radicle 600 FS Flowable Seed Dressing Insecticide may be applied with Jockey® Systemic Fungicide or with Semevin® P Dressing Insecticide.

### Storage of treated seed

Do not store treated seed near foodstuffs or where likely to prove hazardous to humans or animals. If the seed is not used immediately after treatment it should be stored in a dry, well ventilated place. Although Radicle 600 FS has no effect on the viability of treated seed, subsequent germination can be adversely affected by poor storage conditions such as high moisture combined with high temperatures. No liability can therefore be accepted for the performance of stored treated seed.

### PRECAUTIONS

When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate the contents have been treated with this product. DO NOT allow seed treated with this product to contaminate seed intended for human consumption. Bags which have held treated seed are not to be used for any other purpose.

### PROTECTION OF LIVESTOCK

Seed treated with this product must not be used for animal consumption or poultry feed or mixed with animal feed. DO NOT allow seed treated with this product to contaminate seed intended for animal consumption.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate ponds, waterways and drains with this product, used containers or bags which have held treated seed. DO NOT feed treated seed or otherwise expose to wild or domestic birds. Any spillages of treated seed, however minor, must be cleaned up immediately, preferably by recovery and re-use. If disposal is required, ensure treated seeds are thoroughly buried and not accessible to birds and other wildlife.