

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

**ENDGAME<sup>®</sup>**  
**INSECTICIDE**

**ACTIVE CONSTITUENT: 500g/kg PYMETROZINE**

<b>GROUP</b>	<b>9B</b>	<b>INSECTICIDE</b>
--------------	-----------	--------------------

**For the control of Aphids in Brassica vegetables, Potatoes and Stone Fruit.**

**NET CONTENTS: 1-20 kg**

## DIRECTIONS FOR USE

### Restraints:

DO NOT apply more than 2 applications per crop.

DO NOT apply consecutive applications of ENDGAME (or other Group 9B insecticides) within or between seasons. This use is subject to a CropLife Australia resistance management strategy.

Crop	Pest	Rate	WHP	Critical Comments
Brassica Vegetables: Broccoli, Brussels sprouts, Cabbage (except Chinese cabbage), Cauliflowers only	Cabbage aphid Green peach aphid	200g/ha	14 days	Add a suitable wetting agent at recommended rates. Minimum retreatment interval 14 days.
Potatoes	Green peach aphid	200g/ha	Nil	Minimum retreatment interval 14 days.
Stone Fruit	Black peach aphid Green peach aphid	<b>Dilute spray:</b> 20g/100L water  <b>Concentrate spray:</b> Refer to the Application – Stone Fruit section	4 weeks	Apply at first sign of aphid infestation. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Refer to General Instructions for application information. <b>Dilute spraying:</b> If water volumes exceed 2000L per hectare, total rate of ENDGAME must not exceed 400g per hectare. <b>Concentrate spraying:</b> DO NOT use at rates greater than 80g per 100L of water.

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

### WITHHOLDING PERIODS:

**Brassicas: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**

**Potatoes: NOT REQUIRED WHEN USED AS DIRECTED**

**Stone fruit: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION**

## GENERAL INSTRUCTIONS

### Insecticide Resistance Warning

GROUP	<b>9B</b>	INSECTICIDE
-------	-----------	-------------

For insecticide resistance management, ENDGAME Insecticide is a Group 9B insecticide. Some naturally occurring insect biotypes resistant to ENDGAME and other Group 9B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if ENDGAME or other Group 9B insecticides are used repeatedly. The effectiveness of ENDGAME on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of ENDGAME to control resistant insects. ENDGAME may be subject to specific resistance management strategies. For further information contact your local supplier, Crop Care Australasia Pty Ltd representative or local agricultural department agronomist.

## Mixing

Add the required amount of ENDGAME to clean water in half filled spray tank with the agitator or by-pass in operation. Maintain agitation while filling tank with remainder of water. Agitation must also be maintained throughout the spray operation.

## Application

To be effective ENDGAME requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume.

**Brassicac and Potatoes:** Apply as a spray in a minimum of 100 to 800L of water/ha. The use of hollow cone nozzles and droppers are recommended.

**Stone fruit:** The same quantity of ENDGAME per hectare should be used when spraying by either the dilute or concentrate method.

### Dilute spraying:

- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Add the amount of product specified in the Directions for Use table for each 100L of water. Spray to the point of run-off.
- The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

### Concentrate Spraying:

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Apply a minimum of 500L water/ha.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- Determine an appropriate dilute spray volume (See *Dilute Spraying* above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
- The mixing rate for concentrate spraying can then be calculated in the following way:

#### **EXAMPLE ONLY**

1. Dilute spray volume as determined above: For example 2000L/ha
  2. Your chosen concentrate spray volume: For example 500L/ha
  3. The concentration factor in this example is:  $4 \times$  (ie  $2000L \div 500L = 4$ )
  4. As the dilute label rate is 20g/100L for stone fruit, then the concentrate rate becomes  $4 \times 20$ , that is 80g/100L of concentrate spray.
- The chosen spray volume, amount of product per 100L of water, and the sprayer set up and operation may need to be changed as the crop grows.
  - Do not use a concentrate rate higher than that specified in the Critical Comments.
  - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

## Compatibility

As formulations of other manufacturers' products are beyond the control of Crop Care Australasia Pty Ltd, and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

## PRECAUTION

**Re-entry Period:** DO NOT allow entry into treated areas until the spray has dried. If 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.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

May be hazardous to aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used container. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands,

waterbodies or watercourses. DO NOT spray across open bodies of water.

### STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Single rinse before disposal. Add rinsing to spray tank. Do not dispose of undiluted chemicals on site. Puncture or shred and deliver empty packaging for appropriate disposal at 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

Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. *Phone Australia 131126.*

### MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from your supplier or from the Crop Care website: [www.cropcare.com.au](http://www.cropcare.com.au)

### Conditions of sale

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use 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 Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

<p>In a Transport Emergency Dial <b>000</b> Police or Fire Brigade</p>	<p>SPECIALIST ADVICE IN EMERGENCY ONLY <b>1800 033 498</b> ALL HOURS – AUSTRALIA WIDE</p>
--	---

® Endgame is a registered trademark.



Crop Care Australasia Pty Ltd  
ACN 061 362 347  
Unit 15/16 Metroplex Avenue  
Murarrie Qld 4172  
Tel: (07) 3909 2000

Insert barcodes, label  
codes and *drumMUSTER*  
logo as appropriate

APVMA Approval No. : 66407/53581

BN:  
DOM: