

# CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



syngenta®

ACTIVE CONSTITUENT: 500 g/kg PYMETROZINE

GROUP **9B** INSECTICIDE

*Controls Aphids in Brassica Vegetables,  
Potatoes and Stonefruit.*

*Syngenta Crop Protection Pty Limited  
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113*

*In a transport emergency dial 000, Police or Fire Brigade.  
For specialist advice in an emergency only, call 1800 033 111 (24 hours).*

*APVMA Approval No.: 53311/1/0710  
item number*

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## DIRECTIONS FOR USE

### Restraints:

DO NOT apply more than 2 applications per crop

DO NOT apply consecutive applications. Refer to the CropLife Insecticide Resistance Management Strategy.

Crop	Pest	Rate	WHP	Critical comments
<b>Brassica vegetables</b> Broccoli, Brussels sprout, Cabbage (except Chinese Cabbage), Cauliflowers only	Cabbage Aphid, Green Peach Aphid	200 g/ha	14 days	Add a suitable wetting agent at recommended rates. Minimum retreatment interval 14 days.
<b>Potatoes</b>	Green Peach Aphid	200 g/ha	Nil	Minimum retreatment interval 14 days.
<b>Stonefruit</b>	Black Peach Aphid, Green Peach Aphid	<b>Dilute spray</b> 20 g / 100L water <b>Concentrate spray</b> Refer to the Application, Stonefruit 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 2000 L per hectare, total rate of CHES must not exceed 400 g per hectare. <b>Concentrate spraying:</b> DO NOT use at rates greater than 80 g per 100 L 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  
**Stonefruit:** DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

### GENERAL INSTRUCTIONS

#### Mixing

Add the required amount of CHES 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 CHES requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume.

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

**Stonefruit:** The same quantity of CHESSE per hectare should be used when spraying either the dilute or concentrate method.

**Dilute Spraying:** Use a sprayer designed to apply high volumes of water up to the point of runoff 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 runoff. Avoid excessive runoff. 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 CHESSE specified in the Directions for Use table for each 100 L of water. Spray to the point of runoff. If water volumes exceed 2000 L/ha, total rate of CHESSE must not exceed 400 g/ha. 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 runoff) and matched to the crop being sprayed. Apply a minimum of 500 L 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*) 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 2000 L/ha
2. Your chosen concentrate spray volume: for example 500 L/ha
3. The concentrate factor in this example is 4X (ie  $2000 \text{ L} \div 500 \text{ L} = 4$ )
4. If the dilute label rate is 20 g/100 L, then the concentrate rate becomes  $4 \times 20$ , that is 80 g/100 L of concentrate spray.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. 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 manufacturer's products are beyond the control of Syngenta Crop Protection, and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

### Insecticide Resistance Warning

**GROUP 9B INSECTICIDE**

For insecticide resistance management CHESSE Insecticide is a Group 9B insecticide. Some naturally occurring insect biotypes resistant to CHESSE 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 CHESSE and other Group 9B insecticides are used repeatedly. The effectiveness of CHESSE on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Crop Protection Pty. Limited accepts no liability for any losses that may result from failure of CHESSE to control resistant insects.

CHESSE may be subject to specific resistance management strategies. For further information contact your supplier, Syngenta representative or local agricultural department agronomist.

### 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. Shake empty container into spray tank. Single rinse before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Puncture or shred 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.

## **SAFETY DIRECTIONS**

**Will irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use. When opening the container, preparing the spray and using the prepared spray wear:**

- cotton overalls buttoned to the neck and wrist (or equivalent clothing)
- a washable hat
- elbow-length PVC gloves

**After each day's use, wash gloves and contaminated clothing.**

## **FIRST AID**

**If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126.**

## **MATERIAL SAFETY DATA SHEET**

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy telephone 1800 067 108 or visit our website at [www.syngenta.com.au](http://www.syngenta.com.au)

## **MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY**

Syngenta Crop Protection Pty. Limited has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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