

Product Name: Surefire Reggae 480 SC Insecticide
APVMA Approval No: 84681 / 111121



Label Name:	Surefire Reggae 480 SC Insecticide
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 480 g/L THIACLOPRID
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Mode of Action:	GROUP 4A INSECTICIDE
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Statement of Claims:	For control of apple dimpling bug in apples, codling moth and oriental fruit moth in pome fruit and oriental fruit moth in stone fruit as specified in the DIRECTIONS FOR USE table
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Net Contents:	Contents (1 – 200) Litres
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Restraints:	RESTRAINT: DO NOT APPLY BY AIRCRAFT
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	WITHHOLDING PERIODS HARVEST Stone fruit (excluding peaches): DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION Peaches and pome fruit: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION
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GRAZING

DO NOT GRAZE ANY PLANTS THAT WERE PRESENT IN THE SPRAYED AREA AT THE TIME OF APPLICATION

Trade Advice:	<p>Export of Treated Produce</p> <p>Growers should note that suitable MRLs or import tolerances may not be established in all markets for fruit harvested from Surefire Reggae treated trees. If you are growing fruit for export, please check with PCT Holdings Pty Ltd for the latest information on MRLs and export tolerances before using Surefire Reggae.</p>
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General Instructions:	<p>Mixing/Application</p> <p>Prior to pouring, shake container vigorously, then add the required quantity of Surefire Reggae 480 SC to water in the spray vat while stirring or with agitators in motion.</p> <p>Dilute Spraying</p> <ul style="list-style-type: none">- 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 100 L 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. <p>Concentrate Spraying</p> <ul style="list-style-type: none">- 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.- 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: <p>EXAMPLE ONLY</p> <ol style="list-style-type: none">1. Dilute spray volume as determined above: For example 1500 L/ha2. Your chosen concentrate spray volume: For example 500 L/ha3. The concentration factor in this example is: $3 \times$ (i.e. $1500 \text{ L} \div 500 \text{ L} = 3$)4. As the dilute label rate is 37.5 mL/100 L, then the concentrate rate becomes 3×37.5, that is 112.5 mL/100 L of concentrate spray. <ul style="list-style-type: none">- 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.- Do not use concentrate spraying for control of apple dimpling bug in apples.- 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. <p>Minimising Spray Drift</p> <p>It is desirable to minimise spray drift onto adjoining pasture to limit the potential for chemical residues in grazing livestock. An effective way to reduce drift potential is to apply as large droplets as possible, i.e. a spray with a volume mean diameter greater than 150 microns. Higher pressure will also reduce droplet size and increase spray drift potential. When higher spray volumes are required, use high capacity nozzles instead of increasing the pressure. Application in conditions such as no wind or strong winds and hot dry conditions will also have a considerable effect on increasing the potential for spray drift.</p>
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	Avoid directing excessive spray above trees and always turn off outward pointing nozzles at end rows and outer rows.
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Resistance Warning:	<p>Insecticide Resistance Warning GROUP 4A INSECTICIDE</p> <p>For insecticide resistance management, Surefire Reggae 480 SC Insecticide is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to Surefire Reggae and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Surefire Reggae and other Group 4A insecticides are used repeatedly. The effectiveness of Surefire Reggae on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, PCT Holdings Pty Ltd accepts no liability for any losses that may result from the failure of Surefire Reggae to control resistant insects. Surefire Reggae may be subject to specific resistance management strategies. For further information contact your local supplier, PCT representative or local agricultural department agronomist.</p>
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Precautions:	<p>PRECAUTION Re-entry Do not allow entry into treated areas until the 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.</p>
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Protections:	<p>PROTECTION OF LIVESTOCK Assess the treatment area before application to identify any potential for spray drift to grazing pasture. Employ a spray drift minimisation strategy to avoid drift onto adjoining properties or stock areas. If unexpected conditions cause spray drift to land that could potentially be used for grazing by livestock seek advice from PCT Holdings Pty Ltd. Bees: Surefire Reggae presents a low hazard to bees, however in line with good agricultural practice application should be avoided when bees are actively foraging.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT This product is very highly toxic to aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Surefire Reggae may have adverse effects on some non-target insects or other arthropods. For further information contact PCT Holdings Pty Ltd. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby adjacent areas, particularly wetlands, waterbodies or watercourses. DO NOT spray within 40 metres upwind of wetlands, waterbodies or watercourses. DO NOT apply if heavy rains are expected within 24 hours.</p>
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Storage and Disposal:	<p>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 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. Refillable containers</p>
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Empty contents fully into application equipment. Close all valves and return to designated collection point for refill or storage.

Safety Directions:	SAFETY DIRECTIONS Poisonous if swallowed. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC or nitrile gloves and a disposable fume mask covering mouth and nose. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC or nitrile gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.
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First Aid Instructions:	FIRST AID If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126.
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First Aid Warnings:	
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DIRECTIONS FOR USE

CROP	PEST	RATE	CRITICAL COMMENTS
Apples	Apple dimpling bug	Dilute spraying 37.5 mL/100 L water	<p>Correctly timed applications of Surefire Reggae will significantly reduce fruit damage caused by apple dimpling bug; however a substantial reduction in pest numbers may not always be evident. Apply an initial spray from pink stage to petal fall when pest numbers reach accepted threshold levels as indicated by monitoring. Spray thoroughly to ensure complete coverage of flower parts and developing fruitlets, using dilute spraying equipment (concentrate spraying is not appropriate for this use).</p> <p>A second spray (up to a total of two Surefire Reggae applications during flowering) and/or other control measures may be necessary under high pest pressure.</p>
Pome fruit	Codling moth, Oriental fruit moth	Dilute spraying 37.5 mL/100 L water Concentrate spraying Refer to the Mixing/Application section	<p>Codling moth: Apply a total of 4 sprays at 14 day intervals commencing at egg lay (110 degree days) of the first generation as indicated by monitoring. For the remainder of the season, continue to use other control measures. Do not apply more than 4 Surefire Reggae sprays per season (this does not include prior use of up to 2 applications of Surefire Reggae for apple dimpling bug control).</p> <p>Control of the second generation of oriental fruit moth may be achieved by the Surefire Reggae applications targeting codling moth where populations of these pests coincide.</p> <p>Oriental fruit moth: For specific control of an oriental fruit moth generation apply 3 Surefire Reggae sprays at 14 day intervals commencing at egg hatch as indicated by monitoring. For the remainder of the season, continue to use other control measures. Do not use this program before or after a program of Surefire Reggae applications for codling moth control, as no more than 4 Surefire Reggae sprays should be applied per season (this does not include prior use of up to 2 applications of Surefire Reggae for apple dimpling bug control).</p> <p>Application Apply thoroughly to ensure complete coverage. 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. For concentrate spraying, do not use at rates greater than 112.5 mL per 100 L of water (i.e. at a concentration factor greater than 3X).</p> <p>Woolly aphid When Surefire Reggae is used for the control of codling moth or oriental fruit moth as indicated, early season sprays for the control of woolly aphid will not be required. For the remainder of the season, monitor aphid populations and apply other control measures as required.</p>
Stone fruit	Oriental fruit moth	Dilute spraying 37.5 mL/100 L Concentrate spraying Refer to the Mixing/Application section	<p>Apply in a series of 3 sprays at 14 day intervals commencing at egg hatch of a generational peak as indicated by monitoring. Apply thoroughly to ensure complete coverage. For the remainder of the season, continue to use other control measures.</p> <p>Do not apply more than 3 Surefire Reggae sprays per season. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether</p>

		<p>applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than 112.5 mL per 100 L of water (i.e. at a concentration factor greater than 3X).</p> <p>Add a non-ionic wetting agent at 10 mL/100 L regardless of whether applying by dilute or concentrate spraying.</p> <p>Green peach aphid: Where Surefire Reggae is used for the control of oriental fruit moth as indicated, sprays for the control of green peach aphid will not be required.</p>
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NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION