

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which is available from the supplier.

NOTICE

PCT Holdings Pty Ltd warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with Directions for Use under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions or under off-label permits not endorsed by PCT Holdings Pty Ltd, or under abnormal conditions.

POISON

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

The logo for SureFire, featuring the word "SureFire" in a bold, sans-serif font. The "i" in "Sure" has a stylized flame or sunburst graphic above it.

DITHIANON 700 WG*

FUNGICIDE

ACTIVE CONSTITUENT: 700 g/kg DITHIANON

GROUP M9 FUNGICIDE

For control of certain diseases of stone fruit, pome fruit and vines as specified in the DIRECTIONS FOR USE table.

IMPORTANT: READ THIS BOOKLET BEFORE USE

The logo for PCT Holdings Pty Ltd, consisting of a stylized circular graphic on the left and the letters "PCT" in a bold, sans-serif font on the right. Below "PCT" is the text "HOLDINGS PTY LTD" in a smaller, all-caps font.

APVMA Approval No: 89718/125882

*SUREFIRE Dithianon 700 WG is a registered trademark of PCT INTERNATIONAL PTY LTD
(PCT Holdings Pty Ltd ABN 11 099 023 962)

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CUSTOMER SERVICE FREECALL 1800 630 877 EMERGENCY RESPONSE (ALL HOURS) FREECALL 1800 630 877

DIRECTIONS FOR USE:**RESTRAINTS:**

DO NOT apply if it is likely to rain before spray is dry.

DO NOT apply to wet crops.

DO NOT apply under slow drying conditions as an increase in fruit russet may occur.

Fungicide Resistance Warning:

GROUP

M9

FUNGICIDE

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					CRITICAL COMMENTS
CROP	DISEASE	STATE	RATE	WHP	
Apples	Black spot/apple scab	All States	18 g/ 100 L water	21 days (H)	On apples intended for cold store, do NOT apply later than 42 days from harvest. This does not apply to apples intended for Controlled Atmosphere storage. Do NOT apply during blossoming, in Qld only. Apply at 7 to 10 day intervals over the primary infection period from green tip to petal fall and continue at 10 to 14 day intervals thereafter while conditions permit infection. The product can also be used as a protectant addition to the DMI (Group C) fungicides.
	Bitter rot (<i>Glomerella cingulata</i>)				Apply at 14 to 21 day intervals from petal fall to 21 days before harvest, using the shorter interval during periods of high humidity. Applications in the later half of the season will assist in the control of post harvest development of bitter rot. A program of sprays for black spot control in apples will also provide control of bitter rot.
	Black spot/pear scab	Vic only	35 g or 50 g/ 100 L water		Apply from finger stage every 10 to 14 days while conditions permit infection. Use the higher rate when and where conditions are highly favourable for primary infection.
Pears	Black spot/pear scab	NSW, Tas, SA, WA only	75 g/ 100 L water		
		Qld only	100 g/100 L water		

SUREFIRE DITHIANON 700 WG Fungicide is a member of the Multi-site Activity Group of fungicides. For fungicide resistance management, SUREFIRE DITHIANON is a Group M9 fungicide. Some naturally occurring individual fungi resistant to SUREFIRE DITHIANON may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if this fungicide is used repeatedly. These resistant fungi will not be controlled by SUREFIRE DITHIANON, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, PCT Australia Ltd accepts no liability for any losses that may result from the failure of SUREFIRE DITHIANON to control resistant fungi.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

Dangerous to fish. Do NOT contaminate streams, rivers or waterways with the chemical or used container.

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 the 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.

SAFETY DIRECTIONS

Poisonous if swallowed. Harmful if inhaled. Will damage the eyes. Will irritate the skin. Avoid contact with eyes and skin. Do NOT inhale dust. Repeated exposure may cause allergic disorders. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves. If product on skin, immediately wash area with soap and water. If product 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, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126, New Zealand 0800 764 766.

GRAPE VINES

Application by ground equipment:

When applying as a dilute spray, apply sufficient volume to wet all leaf surfaces to the point of runoff.

Apply as a medium to fine spray preferably using cone nozzles. Air-blast sprayers are recommended for application to vines with very dense foliage.

Application by aircraft:

Apply in a minimum of 20 litres of water per hectare. May be applied with hydraulic nozzles or rotary atomizers operated to produce droplets with a V.M.D. of around 150 microns.

Avoid application in calm or very windy conditions or when the temperature and humidity cause rapid drying.

COMPATIBILITY

SUREFIRE DITHIANON 700 WG Fungicide should NOT be mixed with more than one other material, other than non-ionic wetting agent.

SUREFIRE DITHIANON 700 WG Fungicide is incompatible with Agridex, Tokuthion, chlorpyrifos EC, iprodione and winter or summer oils, except where mentioned under stone fruit. It is also incompatible with alkaline materials such as lime sulphur, lime and Bordeaux mixture. Under certain conditions it is incompatible with spraying oils and some other liquid formulations (see below).

Spraying Oils: SUREFIRE DITHIANON 700 WG Fungicide should only be applied with Winter or Summer oils at the dormant or bud burst stages. At other times it should not be applied with these materials or before or after oil cover sprays.

Liquid Formulations: SUREFIRE DITHIANON 700 WG Fungicide should not be applied to pome fruit or Santa Rosa or Wilson plums mixed with liquid formulations liable to cause ring spot.

CROP SAFETY

If climatic conditions at the time of application result in slow drying of the spray deposit, some varieties of fruit may show minor skin russetting.

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					CRITICAL COMMENTS
CROP	DISEASE	STATE	RATE	WHP	
					For all uses in this table: 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.
Grape vines	Downy mildew	All States	50 g/100 L water (apply a minimum of 500 L/ha at shoots 10-15 cm length and a minimum of 1000 L/ha thereafter) or by aircraft at 550 g/ha	21 days (H)	Apply when shoots are 10 cm long, prior to infection occurring. While conditions permit infection, continue applications at 10 day intervals in wet weather, decreasing to 21 days in dry weather. To protect bunches, apply during flowering and 2 weeks later, then every 10 to 21 days as above.
	Black spot		50 g/100 L water		Apply every 2 weeks from bud-burst to flowering.
	Phomopsis cane and leaf spot		50 to 75 g/100 L water		Use the higher rate for Phomopsis control when and where conditions are favourable for disease development.
Canning peaches	Brown rot	NSW, Vic, Tas, SA only	100 g/100 L water plus a non-ionic wetting agent	1 day (H)	Apply according to local recommendations or at budswell, full bloom, petal fall, shuck fall and at 3 weeks and 1 to 7 days before harvest.
		Qld only			Apply according to local recommendations or at budswell, full bloom, petal fall, shuck fall and 4 weeks, 2 weeks and 1 to 3 days before harvest.
Apricots, cherries, nectarines, peaches, plums, prunes		NSW, Vic, Tas, SA only		21 days (H)	Apply according to local recommendations or at budswell, full bloom, petal fall, shuck fall and at 3 weeks before harvest. Within 21 days of harvest use another registered fungicide.
		Qld only			Apply according to local recommendations or at budswell, full bloom, petal fall, shuck fall and at 4 weeks before harvest. Within 21 days of harvest use another registered fungicide.

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					CRITICAL COMMENTS
CROP	DISEASE	STATE	RATE	WHP	
Apricots, nectarines, peaches	Freckle	All States	100 g/100 L water plus a non-ionic wetting agent	21 days (H)	Apply according to local recommendations or at early bloom and shuck fall and then at monthly intervals until 21 days before harvest. Apply the same total amount of product to the target crop, whether applying this product by dilute or concentrate spraying methods.
Nectarines, peaches	Leaf curl				Apply at early budswell. The addition of a summer grade spraying oil will improve effectiveness.
	Rust		75 g/100 L water plus a non-ionic wetting agent		Apply according to local recommendations or at about monthly intervals from shuck fall until 21 days before harvest.
Plums, prunes			50 g/100 L water plus a non-ionic wetting agent		
All stone fruit	Shothole, scab/peach blight		150 g/100 L water plus a non-ionic wetting agent		Apply according to local recommendations leaf fall and early to mid blossoming.

(H) harvest

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

WITHOLDING PERIODS:

CANNING PEACHES: DO NOT APPLY LATER THAN 1 DAY BEFORE HARVEST.

FRUIT OTHER THAN CANNING PEACHES: DO NOT APPLY LATER THAN 21 DAYS BEFORE HARVEST.

GENERAL INSTRUCTIONS:

Mixing Instructions:

With the agitation system operating, pour the measured volume of SUREFIRE DITHIANON 700 WG Fungicide slowly into the required volume of water in the spray vat. Mix thoroughly and then add any other compatible spray materials. Sprays containing SUREFIRE DITHIANON 700 WG Fungicide should be used within 3 hours of preparation and they should be agitated continuously during this period.

WETTING AGENTS

The addition of a non-ionic wetting agent is required when SUREFIRE DITHIANON 700 WG Fungicide is being applied to stone fruit. Where a wetting agent is not required for SUREFIRE DITHIANON 700 WG Fungicide, one may be added if required for other pesticides, provided it is non-ionic.

APPLICATION:

Dilute Spraying

- ◆ Use a sprayer designed to apply high spray volumes, 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 spray solution to cover the crop to the point of run-off. Avoid excessive run-off.
- ◆ The required spray volume to achieve point of run off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other 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 to achieve point of run off 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 spray 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 spray 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 1500 L/ha
 2. Your chosen concentrate spray volume: For example 500 L/ha
 3. The concentration factor in this example is: $3 \times$ (i.e. $1500 \text{ L} + 500 \text{ L} = 3$)
 4. If the dilute label rate is 20 mL/100 L, then the concentrate rate becomes 3×20 (that is 60 mL of product per 100 L water for concentrate spraying).
- ◆ 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.