

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

  
**Dodine**<sup>TM</sup>  
**FUNGICIDE**

For the control of Black Spot in apples and pears, and Leaf Curl and Blossom Blight in Peaches and Nectarines.

ACTIVE CONSTITUENT: 400g/L Dodine

**GROUP U12 FUNGICIDE**



**DISTRIBUTED BY:**  
Grochem Australia  
Suite 1, Level 3, 262 Lorimer St,  
Port Melbourne, VIC 3207  
Telephone: 1800 777 068

**REGISTERED TO:**  
Agrinova New Zealand Ltd  
15 Sunlight Grove,  
PO Box 50 080, Porirua, New Zealand  
Email: grochem@grochem.com



## DIRECTIONS FOR USE: For all States

**RATE:** In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.

Crop	Disease	Rate/100L	Withholding
Apples	Black Spot ( <i>Venturia inaequalis</i> )	80ml	5 days
Pears	Black Spot ( <i>Venturia pirina</i> )	120ml	
Peaches Nectarines	Peach Leaf Curl ( <i>Taphrina deformans</i> )	100ml	-
	Blossom Blight ( <i>Monilinia</i> spp)	200ml	

**CRITICAL COMMENTS:** For all uses in this table: Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.

**PROTECTIVE PROGRAMME:** Following a copper spray at green tip, apply at pink bud (apples) or white bud (pears) followed by 2 cover sprays 10 days apart, a further 2 cover sprays 10-14 days apart and a fifth cover spray after a further 21 days and then at 4-6 week intervals depending on weather and presence of infection.  
**CURATIVE PROGRAMME:** Apply within 36 hours of the start of an infection period (eg after rain) which is favourable to development of black spot. This fungicide is subject to resistance strategy. See General Instructions for details.

**Apply at bud swell, early bloom and petal fall. DO NOT apply after petal fall.**

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

#### WITHHOLDING PERIOD:

**APPLES & PEARS:** DO NOT HARVEST FOR 5 DAYS AFTER APPLICATION.

**GRAZING:** DO NOT CUT FODDER FOR STOCKFEED OR ALLOW LIVESTOCK TO GRAZE VEGETATION IN TREATED ORCHARDS.

**GENERAL INSTRUCTION:** This product possesses eradicant as well as protective properties. When applied within 36 hours after the start of an infection period, it penetrates the leaf surface to eradicate the black spot or scab infection. DO NOT use on fruit at temperatures close to freezing point from pink stage on, as fruit russeting may occur. DO NOT use on apples or pears under conditions conducive to skin damage including russeting, lenticel spotting and drip point burn (varieties such as Golden Delicious apples and Williams and Packham pears are particularly susceptible).

**MIXING:** Shake well before use. Add the necessary quantity to about half the required amount of water in the spray tank while the agitator is running. Then add the rest of the water and keep mixture agitated during use.

**APPLICATION: 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.

**APPLICATION: 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.

- 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 (eg 1500L/ha).
2. Your chosen concentrate spray volume (eg 500L/ha).
3. The concentration factor in this example is:  $3 \times (\text{i.e. } 1500\text{L} / 500\text{L} = 3)$
4. If the dilute label rate is 40ml/100L, then the concentrate rate becomes  $3 \times 40\text{ml}$ , that is 120ml/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.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency/training and follow industry Best Practice.

**FUNGICIDE RESISTANCE WARNING:** For fungicide resistance management Grochem Dودية is a Group X fungicide. Some naturally occurring individual fungi resistance to Grochem Dودية and other Group X fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Grochem Dودية and other Group X fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use Grochem accepts no liability for any losses that may result from failure of Grochem Dودية to control resistant fungi.

**RESISTANCE STRATEGY:** Continual use of this product may result in the build up of strains of disease resistant to Grochem Dودية. To prevent or delay the onset of resistance to Group U12, DO NOT apply more than three consecutive sprays of Group U12, and no more than a total of six Group U12 sprays per season. If more sprays are required, tank mix Group U12 with a protectant product at the registered rate.

**PRECAUTIONS:** Re-entry: Do not allow re-entry into treated areas for 2 days after spraying, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**COMPATIBILITY:** DO NOT mix with more than one product. DO NOT mix with lime sulphur, Bordeaux mixture, chlorbenzilate or alkaline materials. This product may be mixed with most commonly used insecticides, acaricides and fungicides. However, with some products, particularly emulsifiable concentrates and with some types of water, it may be desirable to add non-ionic wetting agent to the water before mixing Grochem Dودية or adding the other products. Particular combinations should be checked before preparing large amounts.

**PROTECTION OF LIVESTOCK:** DO NOT graze cover crops in treated orchards or feed crop residues to livestock.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS & ENVIRONMENT:** DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE & DISPOSAL:** Store in the closed, original container in a well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Triple rinse empty containers before disposal, and dispose of washings in a disposal pit away from plants and their roots. Wash sprayer thoroughly after use. Destroy empty containers by breaking, crushing or puncturing. Bury the container at a depth of 500mm or more at a safe disposal site away from water sources or homes, or take to a dump that does not burn its refuse. DO NOT burn empty container or product.

**SAFETY DIRECTIONS:** Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

#### FIRST AID:

IF SWALLOWED: Call a POISON CENTRE phone Australia 13 11 26 or doctor/physician if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment is advised - see first aid instructions.  
Rinse mouth. If skin or eye irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. Collect spillage.

**NRA APPROVAL NUMBER:** 54058/10L/0505

**BATCH NUMBER & DATE OF MANUFACTURE:** See on package.

**SAFETY DATA SHEET:** For additional information, refer to SDS available from your supplier.

Additional statements as required by Safe Work Australia in accordance with the Globally Harmonized System of Classification and Labelling (GHS)

#### WARNING:

Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.  
Very toxic to aquatic life with long lasting effects.

**CONDITIONS OF SALE:** Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which the vendor does not have control. Whilst Grochem believes that all goods sold by it are true to the label and are effective and safe for purpose indicated the company and the seller hereby expressly negate and exclude any express or implied condition, statement or warranty, statutory or otherwise, as to quality or fitness of any goods sold for any purpose or purposes whatsoever except such warranties and conditions, if any, as are implied by the Trade Practices Act 1974 (Commonwealth). The company and the seller accept no responsibility for any loss, harm or damage whatsoever suffered from the use of such goods for any purpose or purposes irrespective of whether or not the buyer was acting in reliance upon the advice recommendation or representation of the seller or any representative agent or employee of the company as to such use except in respect of breaches of condition and warranties, if any, implied by the Trade Practices Act and in respect of such breaches the liability of the company and seller shall be limited to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods.

**THIS PRODUCT IS NOT A HAZARDOUS PRODUCT FOR TRANSPORT AND STORAGE WITHIN AUSTRALIA.**