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# POISON

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

# Delan<sup>®</sup> 700 WG

Fungicide

**ACTIVE CONSTITUENT: 700 g/kg DITHIANON**



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

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

CONTENTS: 2kg, 5kg

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**APVMA Approval No.: 50029/140990**



## 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 DELAN under slow drying conditions as an increase in fruit russet may occur.

### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift).

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					<b>CRITICAL COMMENTS</b> For all uses in this table: Apply by dilute or concentrate spraying equipment. <b>Apply the same total amount of product to the target crop, whether applying this product by dilute or concentrate spraying methods.</b>
CROP	DISEASE	STATE	RATE	WITHHOLDING PERIOD	
Apples					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.
	Black spot/apple scab	All states	18g/100 L water	21 days (harvest)	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.

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					<b>CRITICAL COMMENTS</b> For all uses in this table: Apply by dilute or concentrate spraying equipment. <b>Apply the same total amount of product to the target crop, whether applying this product by dilute or concentrate spraying methods.</b>
CROP	DISEASE	STATE	RATE	WITHHOLDING PERIOD	
Apples	Bitter rot ( <i>Glomerella cingulate</i> )	All states	18g/100 L water	21 days (harvest)	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.
	Alternaria leaf blotch and Alternaria fruit spot				
Pears	Black spot/pear scab	Vic only	35 g or 50 g/100 L water	21 days (harvest)	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.
		NSW, Tas, SA, WA only	75 g/100 L water		
		Qld only	100 g/100 L water		
Grape vines	Downy mildew	All States	25 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 (harvest)	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.

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					<b>CRITICAL COMMENTS</b> For all uses in this table: Apply by dilute or concentrate spraying equipment. <b>Apply the same total amount of product to the target crop, whether applying this product by dilute or concentrate spraying methods.</b>
CROP	DISEASE	STATE	RATE	WITHHOLDING PERIOD	
Grape vines	Black spot	All States	50 g/100 L water	21 days (harvest)	Apply every 2 weeks from bud-burst to flowering.
	Phomopsis cane and leaf spot	All states	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 (harvest)	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, Tas, Vic, SA only		21 days (harvest)	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.
Apricots, nectarines, peaches	Freckle	All states	100 g/100 L water plus a nonx-ionic wetting agent	21 days (harvest)	Apply according to local recommendations or at early bloom and shuck fall and then at monthly intervals until 21 days before harvest.

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					<b>CRITICAL COMMENTS</b> For all uses in this table: Apply by dilute or concentrate spraying equipment. <b>Apply the same total amount of product to the target crop, whether applying this product by dilute or concentrate spraying methods.</b>
<b>CROP</b>	<b>DISEASE</b>	<b>STATE</b>	<b>RATE</b>	<b>WITHHOLDING PERIOD</b>	
Nectarine, peaches	Leaf curl	All states	100 g/100 L water plus a nonx-ionic wetting agent	21 days (harvest)	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	All states	150 g/100 L water plus a non-ionic wetting agent	21 days (harvest)	Apply according to local recommendations leaf fall and early to mid blossoming.

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

**WITHHOLDING 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**

With the agitation system operating, pour the measured volume of DELAN 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 DELAN 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 DELAN 700 WG Fungicide is being applied to stone fruit. Where a wetting agent is not required for DELAN 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 X (i.e.  $1500 \text{ L} \div 500 \text{ L} = 3$ )
  4. If the dilute label rate is 20 mL/100 L, then the concentrate rate becomes 3 x 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.

## 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

DELAN 700 WG Fungicide is physically compatible with the following products in a two-way tank-mix (maintain constant agitation throughout):

### Fungicides:

Acrobat (SC), Bayfidan 250 EC, Belanty (SC), Bogard 100 WG, Serifel Biofungicide (WP), Systhane 400 WP, Topas 100 EC, and Top Wettable Sulphur 800 WG.

### Insecticides:

Chlorpyrifos 500 WP, Danisaraba Miticide (SC), Nudrin 225 (L).

DELAN 700 WG Fungicide is not compatible with Agridex Non-ionic Surfactant, Tokuthion, Chlorpyrifos 500 EC, Rovral, and winter/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: DELAN 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: DELAN 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.

*Note: ( ) represents product formulation type.*

As formulations of other manufacturer's products are beyond the control of BASF, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. Physical compatibility of products does not necessarily guarantee biological compatibility. DELAN 700 WG Fungicide should NOT be mixed with more than one other material, other than non-ionic wetting agent.

DELAN 700 WG Fungicide is a water dispersible granule (WG) formulation. When using in a tank mix with other products, the following mix order should be observed;

1. Half fill the spray tank with water. Maintain constant agitation;
2. Add any water dispensable granule (WDG/WG) including DELAN 700 WG Fungicide, wettable powder (WP), soluble powders (SP) dry flowable (DF), water soluble granules (SG) formulated products first and allow dispersion
3. Add any other flowable liquid (FL), capsule suspensions (CS), suspension concentrate (SC) formulations
4. Add any other emulsifiable concentrations (EC) formulations
5. Add any water-soluble salts/concentrates (SL)
6. Add any adjuvants as required
7. Add any foliar fertilizer as required
8. Add remaining water



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## **FUNGICIDE RESISTANCE WARNING**

**GROUP M9 FUNGICIDE**

DELAN is a member of the Multi-site Activity Group of fungicides. For fungicide resistance management, DELAN is a Group M9 fungicide. Some naturally occurring individual fungi resistant to DELAN 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 DELAN, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from the failure of DELAN to control resistant fungi.

### **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 russeting.

### **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 dry, 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.

### **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 131126.

### **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet.

### **CONDITIONS OF SALE**

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non-excludable conditions or warranties of the Competition and Consumer





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Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

APVMA Approval No: 50029/140990

Batch No:

Date of Manufacture:

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# Delan<sup>®</sup> 700 WG

## Fungicide

**ACTIVE CONSTITUENT: 700 g/kg DITHIANON**

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

### **HAZARD STATEMENTS**

Causes serious eye damage. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.

### **PRECAUTIONARY STATEMENTS (Prevention)**

Do not handle until all safety precautions have been read and understood. Do not eat, drink, or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ clothing/ eye protection.

### **PRECAUTIONARY STATEMENTS (Response)**

Collect spillage. Refer to First Aid Statement on this label. IF SWALLOWED: Rinse mouth. If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126.