

TECHNICAL MANUAL

# Peratec **PLUS** Fungicide

**FAST ACTING, NON-RESIDUAL BROAD  
SPECTRUM FUNGICIDE**

For the control of certain fungal diseases  
in various crops and situations

**EFFECTIVELY  
KILLS IN  
24 HOURS!**



**Engineered to react  
then biodegrade**

APVMA APPROVAL NUMBER 66320/53383

**DuBois**



DuBois Chemicals Inc. (US) has been serving customers since 1920. Our value added specialty cleaning and process solutions have been designed to meet the needs and exceed the expectations of our customers around the world. DuBois is an industry leader in using innovative and sustainable solutions for our customers. We are committed to listening to your needs, partnering with you, applying innovative and sustainable solutions that exceed your expectations.

Established in 2018 as DuBois Chemicals Australia we proudly focus on fulfilling the needs of all customers across varied industries with ongoing support from the DuBois Chemicals global group. The products available from our local Australian manufacturing division includes a range of specialty chemicals serving the diversified needs of the agricultural, manufacturing, electroplating, galvanising, electronics and mining industry.

We have developed and customised formulations for the brewery and winery industry, as well as for food producers and all hospitality sectors. We also offer hygiene and chemical solutions, paired with laboratory testing throughout Australia. Our national wholesale business brand, Prowash, services and supports self serve and automatic carwash facilities across Australia and New Zealand with premium equipment, spare parts, on-site servicing, vending products and soap solutions.

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#### **Container sizes available**



20L



200L



1000L

## Product Overview

Peratec PLUS Fungicide is a powerful custom blend of Peroxyacetic Acid and Hydrogen Peroxide that has been specifically formulated for the control of certain fungal diseases in a large variety of crops. When used at our recommended dilution rates, Peratec PLUS boasts strength, speed, and cost-effective crop maintenance.

Peratec PLUS Fungicide can be used as a curative and preventative measure for crops. It's completely biodegradable and causes no harm to the environment, human health and safety. Dissipating into air and water, and with no lasting residue, it can be used up to the day of harvest in some cases.

Features	Benefits
Fast and effective	Extremely quick acting 10-30 mins 24-hour withholding period
Biodegradable	Non-residual Environmentally friendly Dissipates into air and water Use close to harvest
APVMA approved	Complies with AUS & NZ industry standards Nationally accredited
Long shelf life	12 month 'use by' date Cost effective More time to eradicate the infestation

## Application Guidelines

### Curative

Apply immediately at first signs of infection. Spray diseased plants using a concentration of LESS THAN 1L of Peratec PLUS per 100L of water.

### Non-residual

In some cases, Peratec PLUS can be sprayed up to the day of harvest and can be used as an emersion solution.

### Preventative

Apply BEFORE oil spots appear, spray close to the anticipated event. The spray coverage of the underside of leaves is imperative.

### Coverage

Spray mixed solution at the rate of 1000L/hectare to run off. To further aid in performance a non-ionic wetter can be used.

### The rule of thumb – the Three T's of good spray application

Type, Timing and Technique. Like three links in a chain, ensure each factor when spraying is of good quality for the best management of your crops.

### Mixing

Reduced results may occur if hard water or water containing suspended clay or organic matter is used. Use the spray mix within 24 hours of preparation.

### Compatibility

DO NOT mix with other fungicides or pesticides. DO NOT mix, store, or apply this product in galvanised iron, unlined steel containers or spray tanks. Mix only in a CLEAN tank constructed of HDPE/LLDPE and avoid prolonged contact with stainless steel or metal. When mixing, add the concentrate to water. DO NOT introduce any metal parts, nozzles, or paddles into the container of concentrated Peratec PLUS.

## About Botrytis, Powdery & Downy Mildew

### Botrytis cinerea

Bunch rot caused by the fungus *Botrytis cinerea* is a major disease of grapes in many grape growing areas of Australia that causes millions of dollars of crop loss as well as a reduction in wine quality. It is the most difficult fungal disease to control, particularly when wet weather occurs around harvest. A great deal of research has been conducted on the fungus both in Australia and overseas. We know that fruit is infected at flowering with the infections in berries remaining dormant until they start to ripen. It is uncertain what factors activate the latent infections and cause the berries to rot. However these berries and old infected flower parts are considered the major source of *Botrytis* spores that spread the disease to other berries in the cluster.

### Powdery Mildew





Is insidious - it 'sneaks' along inside the canopy until it 'suddenly' appears, potentially causing problems, anxiety and cost! It is caused by the fungus *Erysiphe necator* (formerly *Uncinula necator*) which arrived in Australia in the 1860's. Grapevines were grown since the First Fleet in 1788, so Australia was powdery-free for 70-80 years. It is a 'dry weather but high humidity disease' favoured by mild cloudy weather. It could be called powdery-dry mildew because it develops in the absence of free-water, in contrast to down-hill mildew which needs free water for infection.

### Downy Mildew







Needs warmth and water. As for most algae, in most stages of its life cycle, take away water and it will die. As a reminder of its dependence on free-water and because water runs downhill, think of downy as 'down-hill mildew'. In contrast, we may call the other mildew 'powdery-dry' mildew because it grows in the absence of free water. Periods of high risk from downy can be determined by monitoring the vineyard microclimate for factors such as temperature, rainfall, relative humidity (RH) and leaf wetness. This allows optimum timing of control actions when they are needed, and gives confidence to withhold sprays when not.

# Disease Application Rates & Directions for Use

## Tree, Bush & Vine Crops







Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Beans</b> 	Anthracnose Downy Mildew Powdery Mildew Rust	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Broccoli</b> <b>Cauliflower</b> <b>Cabbage</b> 	Alternaria Leaf Spot Downy Mildew Powdery Mildew	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray.
<b>Citrus</b> 	Rust Scab Powdery Mildew Brown Rot Phytophthora	1:300-1:500	1.7L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Pre-Bloom:</b> Begin applications at 0.75-1.25cm green tip and continue on a five to seven day schedule through bloom.  <b>Curative:</b> Spray diseased trees using a 1:300 rate and continue treatments on five to seven day intervals.  <b>Preventative:</b> Spray once a week at a 1:500 ratio.
<b>Cucurbits</b> 	Alternaria Leaf Spot Anthracnose Downy Mildew Powdery Mildew Pythium Rot	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray.

## Tree, Bush & Vine Crops





Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Onions</b> 	Botrytis Downy Mildew Powdery Mildew	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Peppers</b> 	Anthracnose Phytophthora Blight Powdery Mildew	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Potatoes</b> 	Early Blight Late Blight	1:150-1:500	3.3L per 500L of water; apply 300-500L of spray solution per acre.  1.0L per 500L of water; apply 300-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Seed Potatoes</b> 	Fusarium	1:150-1:500	<b>Dip Tank Use:</b> 500mL per 100L of water.  3.3L per 500L of water; apply 300-500L of spray solution per acre.  1.0L per 500L of water; apply 300-500L of spray solution per acre.	<b>Curative Emersion:</b> Dip whole or cut tubers into tank of working solution. Let soak for a period of 5 minutes before removing seed pieces.  <b>Crop Spray</b> <b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Tomatoes</b> 	Anthracnose Cladosporium Mould Early Blight Late Blight Powdery Mildew	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Ornamentals</b> 	Botrytis Downy Mildew Powdery Mildew Phytophthora Black Spot	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.

# Disease Application Rates & Directions for Use


## Tree, Bush & Vine Crops

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Apples</b> 	Rust Scab Powdery Mildew	1:150-1:300	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<p><b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals.</p> <p><b>Pre-Bloom:</b> Begin applications at 0.75-1.25cm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.</p>
<b>Filberts</b> 	Eastern Filbert Blight  Bacterial Blight	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<p><b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals.</p> <p><b>Pre-Bloom:</b> Begin applications at 6-12mm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.</p>
<b>Bananas</b> 	Sigatoka	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500 L of spray solution per acre.	<p><b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.</p> <p><b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.</p>
<b>Grapes</b> 	Botrytis Downy Mildew Powdery Mildew	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<p><b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.</p> <p><b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle until 7 days before harvest.</p>
<b>Blueberries</b> 	Phytophthora	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<p><b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.</p> <p><b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.</p>
<b>Peaches</b> 	Downy Mildew Powdery Mildew Brown Rot Curly Leaf	1:150-1:300	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<p><b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals</p> <p><b>Pre-Bloom:</b> Begin applications at 6-12mm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.</p>


## Tree, Bush & Vine Crops

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Plums</b> 	Downy Mildew Powdery Mildew Brown Rot Curly Leaf	1:150-1:300	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals  <b>Pre-Bloom:</b> Begin applications at 6–12mm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.
<b>Cherries</b> 	Downy Mildew Powdery Mildew Brown Rot Curly Leaf	1:150-1:300	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals  <b>Pre-Bloom:</b> Begin applications at 6–12mm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.
<b>Nectarines</b> 	Downy Mildew Powdery Mildew Brown Rot Curly Leaf	1:150-1:300	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals  <b>Pre-Bloom:</b> Begin applications at 6–12mm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.
<b>Prunes</b> 	Downy Mildew Powdery Mildew Brown Rot Curly Leaf	1:150-1:300	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.7L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:150 rate and continue treatments on five to seven day intervals  <b>Pre-Bloom:</b> Begin applications at 6–12mm green tip and continue on a five to seven day schedule through bloom using a 1:300 ratio.

### Spray treatments For Newly harvested Potatoes before storage





<b>Potatoes</b> 	Scab Fusarium Tuber Rot Bacteria Soft Rot Silver Scurf	19:1-11:1	50-83mL per 1L water.	Spray diluted solution on tuber to run off to achieve full and even coverage. Additional surfactant can be added as needed to aid in wetting out the solution. Use 5-10L of solution per tonne of potatoes.
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### Direct injection Into Humidification Water for Post Harvest Potatoes in Storage


<b>Potatoes</b> 	Scab Fusarium Tuber Rot Bacteria Soft Rot Silver Scurf	19:1-11:1	50-83mL per 1L water.	Inject concentrate into make-up water used in humidification of post harvest potatoes in storage.
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# Disease Application Rates & Directions for Use




## Broadacre Crops

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Canola</b> 	Black Leg (Leptosphaeria spp) Downy Mildew (Peronospora spp)	1:150	750mL in a minimum of 50L water per acre	<b>Curative:</b> Spray diseased plants at the stated rate and continue treatments on five to seven day intervals.
<b>Cereals</b> (including, but limited to: barley, oats, wheat) 	Leaf Rust (Puccinia spp) Powdery Mildew (Blumeria spp) Stripe Rust Stem Rust (Puccinia spp)	1:150	750mL in a minimum of 50L water per acre	<b>Curative:</b> Spray diseased plants at the stated rate and continue treatments on five to seven day intervals.
<b>Pulse Crops</b> (including, but limited to: chick pea, faba bean, field pea, lupin) 	Cercospora Leaf Spot (Cercospora spp) Downy Mildew (Peronospora spp) Leaf Blight, Stem Blight & Chocolate Spot (Ascochyta spp, Mycosphaerella)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray.
<b>Tree Nuts</b> (almonds, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts) 	Alternaria Leaf Spot Anthracnose Husk Spot Powdery Mildew Rust Scab Septoria Spot	1:150	750mL in a minimum of 50L water per acre	<b>Curative:</b> Spray diseased plants at the stated rate and continue treatments on five to seven day intervals.

## Non-food Crops

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Forestry</b> 	Powdery Mildew (Ordium spp) Stripe Rust Stem Rust (Puccinia spp) Cercospora Leaf Spot (Cercospora spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.

## Tree, Bush & Vine Crops

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Avocados</b> 	Anthracnose (Colletotrichum spp) Phytophthora Rot (Phytophthora spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Bananas</b> 	Black Sigatoka (Mycosphaerella spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals.  <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Leafy Vegetables</b> (brassica leafy vegetables, chicory, endive, lettuce, radicchio, silverbeet, spinach)	Cercospora Leaf Spot Rust Downy Mildew	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray so that all foliage is covered.
<b>Legume Vegetables</b> (beans, peas, snow peas) 	Cercospora Leaf Spot Rust Downy Mildew	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray so that all foliage is covered.
<b>Root &amp; Tuber Vegetables</b> (beetroot, carrots, radish, parsnip, potatoes, swede, sweet potatoes, turnip)	Bacterial Spot Cercospora Leaf Spot Downy Mildew Late Blight Target Spot	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray so that all foliage is covered.

# Disease Application Rates & Directions for Use




## Foliar Application

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Stem &amp; Stalk Vegetables</b> (asparagus, celery, rhubarb)	Fusarium Stem Rot Cercospora Blight Downy Mildew Rust Septoria Spot	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray so that all foliage is covered especially towards the new growth of the plants.
<b>Herbs &amp; Spices</b>	Cercospora Leaf Spot Downy Mildew White Blister	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray so that all foliage is covered.




## Post Harvest Application

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Fruits, Nuts &amp; Vegetables</b>	Storage Rots Transit Rots	1:130-3:200	750mL to 1.5L per 100L of water.	Application post harvest via dip method. Use the higher rate on heavy infestations. When using the product in enclosed situations, wear appropriate protective clothing, goggles & a respirator.

## Foliar Application



Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Pome Fruits</b> (apples, nashi, pears) 	Apple & Pear Scab (Venturia spp) Powdery Mildew (Podosphaera spp)	1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Pre-Bloom:</b> Begin applications at 0.5-1.0cm green tip and continue on a five to seven day schedule through bloom. <b>Curative:</b> Spray diseased trees using a 1:150 rate for three consecutive days and continue treatments at five to seven day intervals.
<b>Stone Fruits</b> (apricots, cherries, nectarines, peaches, plums, prunes) 	Brown Rot (Monilinia spp) Bacterial Spot Leaf Curl (Taphrina spp) Rust (Transschelia spp) Scab Shot Hole	1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Pre-Bloom:</b> Begin applications at 0.5-1.0cm green tip and continue on a five to seven day schedule through bloom. <b>Curative:</b> Spray diseased trees using a 1:150 rate for three consecutive days and continue treatments at five to seven day intervals.
<b>Berries</b> (Rubus, Ribes, blueberries) 	Anthrachnose Botrytis Rot Cane Spot Rust Spur Blight	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray towards leaves and fruit.

## Foliar Application

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Assorted tropical and sub tropical fruit</b> (edible and inedible peel)	Anthracnose Botrytis Rot Rust	1:100-1:150	3.3L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Apply at the first signs of disease and repeat as necessary. Use the higher rate on heavy infestations. Direct spray towards leaves and fruit.
<b>Mangoes</b> 	Anthracnose (Colletotrichum spp) Powdery Mildew (Oidium spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals. <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Olives</b> 	Anthracnose (Colletotrichum spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals. <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Strawberries</b> 	Botrytis Rot Rust	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500 of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals. <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.

# Disease Application Rates & Directions for Use

## Vegetable Crops

Crops	Disease	Dilution Rate	Application Rate	Directions
<b>Eggplant</b> 	Alternaria Fruit Rot (Alternaria spp) Anthracnose (Colletotrichum spp) Sudden Wilt (Phytophthora spp) Powdery Mildew (Leveillula spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals. <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.
<b>Peppers</b> (capsicum, chili, paprika) 	Alternaria Fruit Rot (Alternaria spp) Anthracnose (Colletotrichum spp) Sudden Wilt (Phytophthora spp) Powdery Mildew (Leveillula spp)	1:150-1:500	3.3L per 500L of water; apply 250-500L of spray solution per acre.  1.0L per 500L of water; apply 250-500L of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:150 rate and continue treatments on five to seven day intervals. <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:200 with 5-day intervals. Reduce rate to 1:500 after the completion of third treatment and maintain 5-day interval spray cycle.