

Product Name: SUREFIRE STELLAR FUNGICIDE  
APVMA Approval No: 66821/120366



Label Name: SUREFIRE STELLAR FUNGICIDE

Signal Headings: CAUTION  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Constituent Statements: 250 g/L AZOXYSTROBIN

Mode of Action: GROUP 11 FUNGICIDE

Statement of Claims: For the control of various diseases of almonds, avocados, beans, brassicas, citrus, cucurbits, grapes, lettuce, mangoes, passionfruit, poppies, potatoes, tomatoes and other crops as per the direction for use.

Net Contents: 1L  
20L  
5L

Restraints: Restraints: DO NOT apply by air, except on potatoes.

Directions for Use: This section contains file attachment.

Other Limitations:

Withholding Periods: WITHHOLDING PERIODS:  
HARVEST

Cucurbits, Passionfruit, Tomatoes: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

Rubus crops including, Blackberries, Raspberries, Loganberries and Boysenberries: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

Mangoes: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.

Avocados, Garlic, Leeks, Shallots, Spring Onions, Brassica Vegetables, Brassica Leafy Vegetables, Horseradish, Radish: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Grapes, Lettuce: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

Ribberries (Syzygium spp.): DO NOT HARVEST FRUIT UNTIL 14 DAYS AFTER THE FINAL APPLICATION.

Carrots: DO NOT HARVEST FOR 21 DAYS AFTER FINAL APPLICATION.

Olives: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

Almonds, Pistachio: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

Poppies: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.

Anise myrtle and Lemon myrtle: DO NOT HARVEST LEAVES UNTIL 4 MONTHS AFTER THE FINAL APPLICATION.

Beans, Citrus, Nursery Stock (non-food), Ornamentals, Pyrethrum, Snow Peas, Sugar Snap Peas, Garden Peas and Potatoes: NOT REQUIRED WHEN USED AS DIRECTED

Pyrethrum: HARVEST WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED.

**GRAZING**

Beans, Peas: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 2 WEEKS AFTER APPLICATION.

Pyrethrum: DO NOT GRAZE OR CUT TREATED AREA FOR STOCK FOOD.

Anise Myrtle, Lemon Myrtle and Ribberries (Syzygium spp.): DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS UNTIL 21 DAYS AFTER THE FINAL APPLICATION.

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| Trade Advice: | <p>Export of Treated Produce</p> <p><b>Grapes</b></p> <p>While Maximum Residue Limits (MRLs) have been set in many major wine export destinations, some export destinations have not finalized MRL applications. For further information regarding export tolerances please contact your winery, PCT Holdings Pty Ltd representative or the Australian Wine Research Institute.</p> <p><b>Other Crops</b></p> <p>While Maximum Residue Limits (MRLs) have been set in many major export destinations, it should be noted that MRLs or import tolerances may not be established in all export destinations. For further information regarding export tolerances please contact your export organisation or PCT Holdings Pty Ltd representative.</p> |
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| General Instructions: | <p><b>WARNING</b></p> <ul style="list-style-type: none"> <li>• SUREFIRE STELLAR is extremely phytotoxic to certain apple varieties.</li> <li>• AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees.</li> <li>• DO NOT spray SUREFIRE STELLAR where spray drift may reach apple trees.</li> <li>• DO NOT spray when conditions favour drift beyond the area intended for application. Conditions that may contribute to drift include thermal inversions, excessive wind speed, certain sprayer nozzle/pressure combinations, small spray droplet size etc.</li> <li>• DO NOT use spray equipment that has been previously used to apply SUREFIRE STELLAR to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.</li> </ul> <p><b>GENERAL INSTRUCTIONS</b></p> <p><b>TO AVOID CROP DAMAGE:</b></p> <p>Nursery stock, ornamentals and cut flowers/ foliage (other than certain apple varieties) are not known to be sensitive to azoxystrobin when used in strict accordance with the rate, conditions of use and other warnings. However, due to the large number of species and varieties of ornamentals and nursery stock it is impossible to test every one for tolerance to azoxystrobin. The user should conduct small-scale testing to ensure plant safety prior to large-scale commercial use.</p> |
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## APPLICATION

DO NOT use concentration factors exceeding 4X when applying through low volume application equipment, except when applying SUREFIRE STELLAR by air. In these cases adequate coverage of all plant surfaces is still required to achieve control of diseases.

### TREE CROPS AND VINES

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 Direction 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.

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: for example 1000 L/ha
2. Your chosen concentrate spray volume: for example 500 L/ha
3. The concentration factor in this example is:  $2 \times$  (i.e.  $1000 \text{ L} \div 500 \text{ L} = 2$ )
4. If the dilute label rate is 80 mL/100 L, then the concentrate rate becomes  $2 \times 80$ , that is 160 mL/100 L of concentrate spray.

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.

### MIXING

Half-fill the spray tank with clean water and start agitation. Shake the closed SUREFIRE STELLAR container. Whilst filling the remainder of the spray tank add the required amount of SUREFIRE STELLAR, adding any tank mix products last. Maintain agitation until spraying is complete. DO NOT leave the spray mix in the sprayer overnight.

### COMPATIBILITY/TANK MIXING

SUREFIRE STELLAR may be mixed in the spray vat with any one of the following products: CROPRO POUNCE INSECTICIDE, Chlorothalonil 720WG, Captan 900WG, copper hydroxide, CROPRO BUZZARD, Dipel DF, Lambda-Cyhalothrin 250 CS, Thiodicarb 375 SC, Procymidone 500 SC and SUREFIRE FIVESTAR INSECTICIDE.

A mixture of SUREFIRE STELLAR with more than 1 of these products or with any other product may be ineffective or may cause serious damage. The use of such a mixture is not recommended and would therefore be entirely at the user's risk.

If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. As formulations of other manufacturer's products are beyond the control of PCT Holdings Pty Ltd, and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

Note: On some tomato varieties, tank mixtures of SUREFIRE STELLAR and Chlorpyrifos 500 EC or Methamidophos 580SC or Methidathion 500EC or Fenthion 550 EC or Dicofol 480 EC may be phytotoxic.

DO NOT tank mix these products with SUREFIRE STELLAR.

On some grape varieties, tank mixtures of SUREFIRE STELLAR and Chlorpyrifos 500 EC may be phytotoxic.

DO NOT tank mix SUREFIRE STELLAR with Chlorpyrifos 500 EC for use in grapes.

Resistance Warning:

FUNGICIDE RESISTANCE WARNING  
GROUP 11 FUNGICIDE

SUREFIRE STELLAR Fungicide is a member of the Quinone outside Inhibitors (QoLs) group of fungicides. For fungicide resistance management the product is a Group 11 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 11 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product or other Group 11 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, PCT Holdings Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

#### Resistance Management

Product should be applied in a protective spray program containing fungicides from different chemical groups. DO NOT wait until disease levels have built up to make applications as this reduces the effectiveness of control and increases risk of resistance development. Disease control may be reduced if strains of pathogens less sensitive to azoxystrobin develop.

Product should be applied as specified in the Directions for Use in association with the following CropLife Fungicide Resistance Management Strategies:

- DO NOT apply more than 1/3 of the total fungicide sprays per crop as azoxystrobin.
- A maximum of 2 consecutive applications of azoxystrobin are to be applied. They must be followed by at least the same number of applications of fungicide(s) from a different fungicide group(s), before azoxystrobin is used again in that crop.
- Where crops are grown successively alternation should continue between crops.

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| Precautions: | <b>PRECAUTIONS</b> |
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#### Re-entry

Do not enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing). Clothing must be laundered after each day's use.

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| Protections: | <b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</b> |
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**HIGHLY TOXIC TO AQUATIC LIFE.** DO NOT contaminate dams, waterways or drains with the chemical or used containers.

DO NOT apply under weather conditions or from spraying equipment which could be expected to cause spray drift on adjacent areas, particularly wetlands, waterbodies or watercourses.

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| Storage and Disposal: | <b>STORAGE, SPILLAGE AND DISPOSAL</b> |
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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.

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| Safety Directions: | <b>SAFETY DIRECTIONS</b> |
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Will irritate the eyes. Avoid contact with eyes. If product in eyes, wash it out immediately with water. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, elbow-length chemical resistant gloves, goggles or safety glasses. Wash hands after use. After each day's use, wash gloves, goggles or safety glasses and contaminated clothing.

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| First Aid Instructions: | <p><b>FIRST AID</b><br/>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126, New Zealand 0800 764 766</p> |
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| First Aid Warnings: |  |
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## DIRECTIONS FOR USE

### TREE AND VINE CROPS

| RATE   |   |             |         | CRITICAL COMMENTS  |
|--|---|-------------|---------|--|
| In the following table Tree and Vine Crops, all rates given are for dilute spraying. For concentrate spraying, refer to the Application section. |   |             |         | <p><b>For all uses in the table Tree and Vine Crops:</b></p> <p>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.</p> <p>When applying SUREFIRE STELLAR through low volume application equipment, DO NOT use a concentrate factor greater than 4X. In these cases adequate coverage of all plant surfaces is still required to achieve control of diseases.</p>  |
| CROP   | DISEASE   | RATE        | WHP     | CRITICAL COMMENTS  |
| Almonds  | Anthracnose<br>( <i>Colletotrichum acutatum</i> ) | 1.1 L/ha    | 4 weeks | <p>Apply using orchard airblast/mister sprayer applying sufficient water to obtain uniform coverage. May be applied as a Dilute or Concentrate spray.</p> <p>Alternate with sprays of other chemical groups.</p> <p>Dilute application: Water volumes typically range from 1800 to 2000 L/ha.</p> <p>Concentrate application: Apply in 800 to 1000 L/ha.</p> <p>Apply as part of an anthracnose disease management program.</p> <p><b>DO NOT</b> apply more than 3 applications per season</p>   |
| Avocados   | Stem end rot, Anthracnose                         | 80 mL/100 L | 7 days  | <p>Apply SUREFIRE STELLAR in a preventative fungicide program containing fungicides from a different chemical group.</p> <p>For best results commence the disease control program with an approved fungicide from an alternative chemical group, and then apply 1 application of SUREFIRE STELLAR during early fruit set. Follow with applications of an approved fungicide from a different chemical group. Apply 2 final applications of SUREFIRE STELLAR at 14 to 28 day intervals with the final spray applied 7 days prior to harvest.</p> <p>Ensure thorough spray coverage.</p> <p><b>Resistance Management</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop.</p> <p><b>DO NOT</b> use SUREFIRE STELLAR curatively.</p> <p>If consecutive applications of SUREFIRE STELLAR are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before SUREFIRE STELLAR is used again in that crop in the current or following season. Apply a maximum of 3 applications of SUREFIRE STELLAR per season.</p> <p><b>DO NOT</b> apply more than 2 consecutive applications of SUREFIRE STELLAR.</p> <p><b>DO NOT</b> start the disease control program with SUREFIRE STELLAR.</p> |

| RATE   |  |                      |         | CRITICAL COMMENTS   |
|--|--|----------------------|---------|---|
| In the following table Tree and Vine Crops, all rates given are for dilute spraying. For concentrate spraying, refer to the Application section. |  |                      |         | <p><b>For all uses in the table Tree and Vine Crops:</b></p> <p>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.</p> <p>When applying SUREFIRE STELLAR through low volume application equipment, DO NOT use a concentrate factor greater than 4X. In these cases adequate coverage of all plant surfaces is still required to achieve control of diseases.</p>   |
| CROP   | DISEASE  | RATE                 | WHP     | CRITICAL COMMENTS   |
| Citrus   | Brown Spot<br>( <i>Alternaria</i> sp.), Black Spot<br>( <i>Guignardia citricarpa</i> )   | 40 mL/100 L          | -       | <p>For best results apply 1 to 2 applications of SUREFIRE STELLAR after copper fungicides, at no less than 14 day intervals. Follow with applications of an approved fungicide from a different chemical group. Ensure thorough spray coverage.</p> <p>DO NOT use SUREFIRE STELLAR curatively.</p> <p>DO NOT apply more than 2 applications of SUREFIRE STELLAR per season.</p> <p>DO NOT start the disease control program with SUREFIRE STELLAR.</p>  |
| Grapes – table, wine, dried  | Powdery mildew<br>( <i>Uncinula necator</i> )<br>Downy Mildew<br>( <i>Plasmopara viticola</i> )<br>Botrytis Bunch Rot †<br>( <i>Botrytis cinerea</i> ) | 75 mL - 100 mL/100 L | 14 days | <p><b>Application Method and Rate</b></p> <p>Apply in a sufficient volume of water to achieve thorough coverage of all foliage and fruit. The volume of water required to achieve this will depend on the stage of vine growth and vigour. Ensure thorough coverage.</p> <p>Adjust spray nozzles to direct spray droplets to the canopy present. Apply the higher rate of application in the following circumstances:</p> <ol style="list-style-type: none"> <li>Where humid conditions favour Powdery mildew infection, particularly on susceptible varieties.</li> <li>At the start of the season when there has been a heavy carry over of Powdery mildew infection (flag shoots are present).</li> </ol> <p><b>Spray Timing and Interval</b></p> <p>Apply 2 or 3 consecutive applications at 10 to 16 day intervals at any time between early shoot growth and 14 days before harvest. Use the recommended shorter interval during periods when climatic conditions are favourable for disease infection.</p> <p><b>† Botrytis bunch rot</b></p> <p>SUREFIRE STELLAR must not be used alone for Botrytis control at critical times such as 80 to 100% capfall and preharvest. It must be tank mixed with or substituted by a specific botryticide at these critical times. When SUREFIRE STELLAR is used in a seasonal spray programme it will provide control of Botrytis additional to that of specific botryticides such as those containing chlorothalonil.</p> <p><b>Resistance Management (Powdery and Downy mildew)</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop.</p> <p>DO NOT use SUREFIRE STELLAR curatively.</p> <p>As a precaution, DO NOT apply more than a total of 3 applications of SUREFIRE STELLAR per crop in 1 season. If consecutive applications of SUREFIRE STELLAR are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before SUREFIRE STELLAR is used again in that crop in the current or following season.</p> <p>DO NOT use SUREFIRE STELLAR for disease control in grapevine nurseries.</p> |

| RATE   |                           |             |         | CRITICAL COMMENTS   |
|--|---------------------------|-------------|---------|---|
| In the following table Tree and Vine Crops, all rates given are for dilute spraying. For concentrate spraying, refer to the Application section. |                           |             |         | <p><b>For all uses in the table Tree and Vine Crops:</b></p> <p>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.</p> <p>When applying SUREFIRE STELLAR through low volume application equipment, DO NOT use a concentrate factor greater than 4X. In these cases adequate coverage of all plant surfaces is still required to achieve control of diseases.</p>   |
| CROP   | DISEASE                   | RATE        | WHP     | CRITICAL COMMENTS   |
| Mangoes  | Stem end rot, Anthracnose | 80 mL/100 L | 3 days  | <p>Apply SUREFIRE STELLAR in a preventative fungicide program containing fungicides from a different chemical group.</p> <p>For best results apply 1 to 2 applications of SUREFIRE STELLAR at flowering and early fruit set, at no less than 14 day intervals. Follow with applications of an approved fungicide from a different chemical group. Further applications of SUREFIRE STELLAR may be applied at 21 days and 3 to 7 days prior to harvest.</p> <p>Ensure thorough spray coverage.</p> <p><b>Resistance Management</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop.</p> <p>DO NOT use SUREFIRE STELLAR curatively. If consecutive applications of SUREFIRE STELLAR are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before SUREFIRE STELLAR is used again in that crop in the current or following season. Apply a maximum of 3 applications of SUREFIRE STELLAR per season. DO NOT apply more than 2 consecutive applications of SUREFIRE STELLAR. DO NOT start the disease control program with SUREFIRE STELLAR.</p> |
| Olives   | Anthracnose               | 80 mL/100 L | 21 days | <p>Apply sufficient quantity of the mixed chemical to wet all surfaces of leaves and fruit.</p> <p>Apply by air blast or boomspray.</p> <p>The use of an appropriate wetting agent is recommended to improve the spread of the chemical over the leaves and fruit.</p> <p>DO NOT apply more than 2 applications per season.</p> <p>Allow a minimum of 21 days between consecutive applications.</p> <p>Apply the treatment, preferably before the disease infects the trees. Fungicides are best applied prior to the onset of conditions conducive to this disease (warm, humid rainy weather).</p> <p>This will depend upon whether the olive grove is in a susceptible area (e.g. summer rains), and the season (unseasonal humid and moist conditions). Spraying prior to flowering is a good guide, and again just after fruit set. Protect the remaining periods with other approved fungicides if required.</p>  |

| CROP         | DISEASE  | RATE        | WHP     | CRITICAL COMMENTS  |
|--------------|--|-------------|---------|--|
| Passionfruit | Alternaria,<br>Cladosporium  | 80 mL/100 L | 1 day   | <p>Apply SUREFIRE STELLAR in a preventative fungicide program containing fungicides from a different chemical group.</p> <p>For best results apply 2 to 3 applications of SUREFIRE STELLAR at 14 day intervals over flowering. Follow with applications of an approved fungicide from a different chemical group. Apply a further 1 to 2 applications of SUREFIRE STELLAR finishing 1 day prior to harvest.</p> <p>Ensure thorough spray coverage.</p> <p><b>Resistance Management</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop. DO NOT use SUREFIRE STELLAR curatively.</p> <p>DO NOT apply more than 1/3 of the total number of fungicide applications. For example, if the total number of fungicides applied to the crop is 9, DO NOT apply more than 3 applications of SUREFIRE STELLAR. DO NOT exceed 5 applications of SUREFIRE STELLAR per crop.</p> <p>DO NOT apply more than 2 consecutive applications of SUREFIRE STELLAR (or other Group 11 fungicide) sprays. If 2 consecutive applications of SUREFIRE STELLAR. DO NOT start the disease control program with SUREFIRE STELLAR.</p> |
| Pistachio    | Alternaria Late Blight ( <i>Alternaria alternata</i> ),<br>Anthracnose ( <i>Colletotrichum acutatum</i> ),<br><i>Botryosphaeria dothidea</i> | 1 L/ha      | 4 weeks | <p>Apply using orchard airblast/mister sprayer applying sufficient water to obtain uniform coverage. May be applied as a Dilute or Concentrate spray. Alternate with sprays of other chemical groups.</p> <p>Dilute application: Water volumes typically range from 1800 to 2000 L/ha.</p> <p>Concentrate Application: Apply in 800 to 1000 L/ha.</p> <p>Alternaria: Apply during nut development.</p> <p>Anthracnose: Apply when conditions favour disease development.</p> <p>DO NOT apply more than 3 applications per season.</p>  |

## OTHER CROPS

| CROP                                     | DISEASE  | RATE  | WHP     | CRITICAL COMMENTS  |
|--|--|---|---------|--|
| Garlic,<br>Shallots,<br>Spring<br>Onions | Suppression of:<br>White Rot<br>( <i>Sclerotinum cepivorum</i> )       | 800 mL/ha                                   | 7 days  | <p>Apply at the first sign of disease or preferably preventatively when a disease predictive assessment shows conditions favourable to disease development. Apply a program of 2 to 3 consecutive sprays of product at 7 to 14 day intervals. Use the shorter interval when weather conditions favour disease infection. Apply in sufficient water volume using ground boom spray equipment or equivalent only as a foliar spray. Good coverage of foliage is essential. Use a higher volume in dense or well grown crops.</p> <p>DO NOT apply more than 3 applications per crop per season.</p>   |
| Beans                                    | Suppression of:<br>Sclerotinia Rot<br>( <i>Sclerotinia</i> spp.)       | 500 to 600 mL/ha<br>or<br>50 to 60 mL/100 L | -       | <p>Apply in sufficient volume of water to achieve thorough coverage of all foliage. Use the higher rates when climatic conditions are humid and mild which favours disease infection.</p> <p>Spray Interval: Apply a maximum of 2 consecutive applications at 7 to 14 day intervals commencing soon after planting and continuing up to crop maturity. Use the recommended shorter interval under humid weather conditions that are favourable for disease infection or where there is rapid vegetative growth during the early part of the crop cycle.</p> <p>DO NOT apply more than 3 applications per crop</p> <p><b>See Resistance Management.</b></p> |
| Brassica<br>Leafy<br>Vegetables          | Alternaria<br>Leaf spot  | 400 mL/ha                                   | 7 days  | <p>Apply in sufficient water to ensure thorough coverage of all plant parts.</p>   |
| Brassica<br>Vegetables                   | White Blister Rust<br>( <i>Albugo candida</i> ),<br>Sclerotinia Rot    | 500 mL/ha                                   |         | <p>Repeat application(s) 7 to 14 days later depending on severity of infestation.</p> <p>Note: Add a non ionic surfactant to the spray mix.</p> <p>DO NOT apply more than 2 applications per crop</p> <p><b>See Resistance Management.</b></p>   |
| Carrots                                  | Powdery Mildew<br>( <i>Erysiphe heraclei</i> )                         | 1 L/ha                                      | 21 days | <p>Apply in a preventative program commencing before disease infection occurs, particularly during weather conditions that favour disease development, or (at the latest) when first signs of the disease are observed.</p> <p>Apply a maximum of three (3) foliar applications in total per crop per season, with a maximum two (2) consecutive applications.</p>   |
|  | Sclerotinia rot/<br>White mould<br>( <i>Sclerotinia sclerotiorum</i> ) | 400 mL/ha                                   |         | <p>Apply foliar spray at 10 - 14 day interval. Use shorter interval when weather conditions are highly conducive to disease infection.</p>   |
|  | Black Rot<br>( <i>Alternaria radicina</i> )<br><br>SUPPRESSION<br>ONLY |   |         | <p>Apply in sufficient water volume to achieve thorough coverage of all foliage using ground boom spray equipment or equivalent only as a foliar spray. Good coverage of foliage is essential. Apply between 500 - 1,500 L of spray mix to adequately treat a hectare, depending on crop stage and foliage density. Use a higher volume in dense or well grown crops.</p> <p>If treating for Black Rot, irrigate thoroughly (at least 20,000 L/ha) to water the product into the soil.</p>   |

| CROP        | DISEASE  | RATE                                  | WHP    | CRITICAL COMMENTS   |
|-------------|--|---------------------------------------|--------|---|
| Cucurbits   | Powdery mildew<br>( <i>Sphaerotheca fuliginea</i> )<br>Downy mildew<br>( <i>Pseudoperonospora cubensis</i> )<br><br>Gummy stem blight<br>( <i>Didymella bryoniae</i> ) | 80 - 120 mL/100 L<br><br>120 mL/100 L | 1 day  | <p>Apply the higher rate when climatic conditions favour Powdery or Downy mildew infection and in crops with large canopies.</p> <p><b>Application</b></p> <p>Apply in a sufficient volume of water to achieve thorough coverage of all foliage. The volume of water required to achieve this will depend on the stage of growth of the cucurbits.</p> <p>For dilute spraying (g/100 L), an application volume of 300 L/ha is suggested where sprays are banded in the early part of the season, increasing to 1000 L/ha as a broadcast spray in a vigorous crop at full canopy.</p> <p><b>Spray Interval</b></p> <p>Consecutive applications should be applied at 7 to 14 day intervals, commencing soon after transplanting and continuing up to fruit maturity. Use the recommended shorter application interval in the following circumstances:</p> <ol style="list-style-type: none"> <li>1. Under humid weather conditions which are favourable for Powdery mildew, Downy mildew or Gummy stem blight infection.</li> <li>2. When there is rapid vegetative growth during the early part of the crop cycle.</li> </ol> <p><b>Resistance Management (Powdery and Downy mildew)</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop. Apply SUREFIRE STELLAR in a protective spray program. DO NOT wait until disease levels have built up to make applications as this reduces the effectiveness of control and increases the risk of resistance development.</p> <p>As a precaution DO NOT apply more than 1/3 of the total fungicide sprays, up to a maximum of 4 sprays of SUREFIRE STELLAR per crop. A maximum of 2 consecutive applications of SUREFIRE STELLAR are to be applied. They must be preceded and followed by at least 2 applications of fungicide(s) from a different fungicide group(s) such as CHLOROTHALONIL to control Downy Mildew and Gummy Stem Blight and BUPIRIMATE to control Powdery Mildew, before SUREFIRE STELLAR is used again in that crop. Where crops are grown successively alternation should continue between crops.</p> |
| Horseradish | White Blister Rust<br>( <i>Albugo candida</i> ),<br>Downy Mildew   | 600 mL/ha                             | 7 days | <p>Apply when conditions favour disease development.</p> <p>Apply as a foliar spray with knapsack or boom spray with a minimum re-application interval of 7 days. Apply with a spray volume of 400 to 600 L/ha to ensure maximum coverage</p> <p>DO NOT apply more than 3 applications per season per crop.</p>   |
| Leeks       | Downy Mildew<br>( <i>Peronospora destructor</i> )<br><br>Suppression of:<br>White Rot<br>( <i>Sclerotinia cepivorum</i> )  | 300 mL/ha<br><br>800 mL/ha            | 7 days | <p>Apply at the first sign of disease or preferably preventatively when a disease predictive assessment shows conditions favourable to disease development. Apply a program of 2 to 3 consecutive sprays of product at 7 to 14 day intervals. Use the shorter interval when weather conditions favour disease infection. Apply in sufficient water volume using ground boom spray equipment or equivalent only as a foliar spray. Good coverage of foliage is essential. Use a higher volume in dense or well grown crops.</p> <p>DO NOT apply more than 3 applications per crop per season.</p>  |

| CROP     | DISEASE   | RATE                                  | WHP     | CRITICAL COMMENTS  |
|----------|---|---------------------------------------|---------|--|
| Lettuce  | Suppression of Sclerotinia Rot ( <i>Sclerotinia</i> spp.) | 500 to 600 mL/ha or 50 to 60 mL/100 L | 14 days | <p>Apply in sufficient volume of water to achieve thorough coverage of all foliage. Use the higher rates when climatic conditions are humid and mild which favours disease infection.</p> <p><b>Spray Interval:</b> Apply a maximum of 2 consecutive applications at 7 to 14 day intervals commencing soon after planting and continuing up to crop maturity. Use the recommended shorter interval under humid weather conditions that are favourable for disease infection or where there is rapid vegetative growth during the early part of the crop cycle.</p> <p>DO NOT apply more than 3 applications per crop.</p> <p><b>See Resistance Management.</b></p>   |
| Poppies  | Downy Mildew  | 750 mL/ha                             | 6 weeks | <p>Apply SUREFIRE STELLAR in a preventative fungicide program containing fungicides from a different chemical group.</p> <p>Apply SUREFIRE STELLAR preventatively before disease symptoms appear.</p> <p>Ensure thorough spray coverage.</p> <p><b>Resistance Management</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop. DO NOT use SUREFIRE STELLAR curatively.</p> <p>Apply a maximum of 2 applications of SUREFIRE STELLAR per crop.</p>  |
| Potatoes | Early blight (Target spot) ( <i>Alternaria solani</i> )   | 300 - 400 mL/ha                       | -       | <p>Apply the higher rates when climatic conditions favour Early blight or Late blight infection and in crops with large canopies.</p> <p><b>Application</b></p> <p>SUREFIRE STELLAR may be applied by ground or aerial application equipment in potatoes. Aerial application may be used only for Early blight (Target spot) control. Apply in a sufficient volume of water to achieve thorough coverage of all foliage. The volume of water required to achieve this will depend on the stage of growth of the potatoes.</p> <p><b>Ground Application:</b> A volume of 200 to 300 L/ha is suggested at the start of the season, increasing to 500 to 600 L/ha in a vigorous crop at full canopy.</p> <p><b>Aerial Application (Early blight only):</b> A volume of 30 to 40 L/ha is recommended.</p> <p><b>Spray Interval</b></p> <p>Consecutive applications should be applied at 7 to 14 day intervals at any time between early shoot growth and 14 days before harvest. Use the recommended shorter application interval in the following circumstances:</p> <ol style="list-style-type: none"> <li>1. Under humid weather conditions which are favourable for Early or Late blight infection.</li> <li>2. When there is rapid vegetative growth during the early part of the crop cycle.</li> <li>3. At the first sign of Late blight infection.</li> </ol> <p><b>Resistance Management:</b> Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop.</p> <p>Apply SUREFIRE STELLAR in a protective spray program. DO NOT wait until disease levels have built up to make applications as this reduces the effectiveness of control and increases the risk of resistance development.</p> <p>As a precaution, DO NOT apply more than 1/3 of the total fungicide sprays per crop as SUREFIRE STELLAR. A maximum of 3 consecutive applications of SUREFIRE STELLAR are to be applied. They must be preceded and followed by at least 3 applications of fungicide(s) from a</p> |
|          | Late blight ( <i>Phytophthora infestans</i> )             | 500 - 600 mL/ha                       |         |  |

|  |  |                        |  |  |
|--|--|------------------------|--|--|
|  |  |                        |  | different fungicide group(s) such as Cavalry 720 SC, before SUREFIRE STELLAR is used again in that crop. Where Late Blight infection has occurred it is recommended that single sprays of SUREFIRE STELLAR be alternated with 2 sprays of CHLOROTHALONIL or a fungicide(s) from another group(s). Where crops are grown successively alternation should continue between crops.  |
|  | <p><b>Soil borne:</b><br/>           Black scurf<br/> <i>(Rhizoctonia solani)</i><br/>           Silver scurf*<br/> <i>(Helminthosporium solani)</i><br/>           *Suppression only.</p> | 5 - 10 mL/100 m of row |  | <p>Apply once as an in-furrow spray at planting. Mount the spray nozzle so the spray is directed into the furrow as a 15-20 cm band just before the seed is covered. Use the higher rate of SUREFIRE STELLAR where higher levels of disease occur. Use the lower rate where lower levels of disease occur or where less disease control is required.</p> <p>Apply in 1-3 L of water/100 m of row. Ensure the water volume used is not so high as to wash off any seed treatments previously applied to seed.</p> <p>DO NOT apply SUREFIRE STELLAR if conditions or seed quality favour bacterial rots as these diseases may be aggravated if seed comes into contact with additional moisture.</p> <p>DO NOT apply SUREFIRE STELLAR if planting in hot, sandy soils as bacterial rots may be aggravated. DO NOT mix with any other products when applying as an in-furrow spray.</p> |
| Pyrethrum  | Ray Blight Disease<br><i>(Phoma ligulicola)</i>  | 600 mL/ha              | DO NOT graze or cut treated area for stock food        | <p>DO NOT apply fungicides from the same chemical group more than 3 times in a season.</p> <p>Apply in sufficient water volume to achieve thorough coverage of all foliage.</p>  |
| Ribberries<br><i>(Syzygium luehmannii</i> and <i>S. fibrosum</i> )<br>Anise myrtle<br><i>(S. anisatum)</i><br>Lemon myrtle<br><i>(Backhousia citriodora)</i> | Myrtle rust<br><i>(Uredo rangelii)</i>   | 200 - 300 mL/ha        | Fruit - 14 days<br>Leaf - 4 months<br>Grazing: 21 days | <p>Apply 2 sprays with a minimum re-treatment interval of 14 days.</p> <p>Apply via ground based equipment on appearance of myrtle rust in a plantation or when conditions favour development of the disease. Use a maximum spray volume of 400 L/ha.</p> <p><b>TO AVOID CROP DAMAGE</b></p> <p>Ribberries, Anise myrtle and lemon myrtle are not known to be sensitive to this product when used in accordance with the label directions. The sensitivity of some species/varieties/cultivars, however, has not been fully evaluated under all growing conditions. It is advisable to only treat a small number of plants to ascertain their reaction before treating a larger area. Discontinue applications when any adverse symptoms post-treatment are observed.</p>  |
| Rubus<br>(including:<br>Raspberries,<br>Blackberries,<br>Boysenberries<br>and<br>Loganberries)   | Anthracnose<br><i>(Elsinoe veneta)</i><br>Botrytis<br><i>(Botrytis cinerea)</i><br>and<br>Cladosporium<br><i>(Cladosporium cladosporoides)</i>   | 80 mL /100L            | 1 day  | <p>Begin applications at the onset of the disease. The applicable spray volume should be in the range of 500-1000 L/ha.</p> <p>Apply a maximum of 3 applications of azoxystrobin per season with a re-treatment interval of 14 days.</p>   |

| CROP   | DISEASE   | RATE            | WHP | CRITICAL COMMENTS  |
|--|---|-----------------|-----|--|
| Nursery stock and ornamentals:<br>Including (non-food) - seedlings, plugs, potted colour, trees, shrubs, foliage plants, palms, grasses, fruit trees (non-bearing*) and ornamentals<br><br>*At least 6 months prior to first harvest | Downy mildew ( <i>Peronospora</i> spp., <i>Pseudoperonospora</i> spp., <i>Bremia lactucae</i> )<br><br>Grey mould ( <i>Botrytis</i> spp.)<br><br>Leaf spots ( <i>Colletotrichum</i> spp. & <i>Alternaria</i> spp.)<br><br>Powdery mildew ( <i>Erysiphe</i> spp., <i>Leveillula</i> spp., <i>Microsphaera</i> spp., <i>Oidium</i> spp. & <i>Sphaerotheca</i> spp.)<br><br>Rusts ( <i>Puccinia</i> spp., <i>Phragmidium</i> spp., <i>Uromyces</i> spp.) | 80-120 mL/100 L | -   | Apply in sufficient volume to ensure adequate coverage of all plant surfaces.<br>DO NOT use azoxystrobin curatively.<br>Apply a maximum of 2 consecutive applications of azoxystrobin with a minimum re-treatment interval of 14 days.   |
| Nursery stock and ornamentals<br>Including nursery stock (non-food and forestry), non-bearing fruit trees*, ornamentals and cut flowers/foliate *At least 6 months prior to first harvest  | Myrtle rust ( <i>Uredo rangelii</i> .)  | 40 mL/100 L     | -   | Apply by knapsack, powered hand-gun, boom or air-assisted spray.<br>Apply in sufficient volume to ensure thorough coverage of all plant surfaces.<br>Treat a sample area and assess appropriately prior to whole crop treatment to help minimise potential for phytotoxic damage. This is particularly important for crops in bloom.<br>Apply a maximum of 2 consecutive applications of azoxystrobin with a minimum re-treatment interval of 14 days. |

| CROP   | DISEASE  | RATE                                   | WHP    | CRITICAL COMMENTS  |
|--|--|--|--------|--|
| Radish   | White Blister<br>Rust ( <i>Albugo candida</i> )  | 500 to 600 mL/ha                       | 7 days | Apply a program of 2 consecutive sprays of product at a 7 to 14 day interval. Use the shorter interval when weather conditions favour disease infection. Apply in sufficient water volume using ground boom spray equipment or equivalent only as a foliar spray. Good coverage of foliage is essential.<br>DO NOT apply more than 2 applications per crop per season.   |
| Snow Peas,<br>Sugar Snap<br>Peas, Garden<br>Peas | <i>Stemphylium</i><br>spp.,<br>Suppression of:<br>Botrytis Grey<br>Mould ( <i>Botrytis cinerea</i> ) | 600 mL/ha<br>or<br>60 mL /100 L        | -      | Apply in sufficient volume of water to achieve thorough coverage of all foliage. Sprays should be applied at 7 to 14 day intervals commencing soon after transplanting and continuing up to maturity.<br>Use the shorter interval under humid conditions that are favourable for disease infection or when there is rapid vegetative growth during the early part of the crop cycle.<br>DO NOT apply more than 3 applications per crop<br>DO NOT graze or cut treated crops for stockfeed<br>See Resistance Management   |
| Tomatoes<br>(except<br>greenhouse)               | Early blight<br>(Target spot)<br>( <i>Alternaria solani</i> )  | 400 mL/ha<br>or 40 mL/100 L            | 1 day  | <p><b>Application</b></p> <p>Apply in a sufficient volume of water to achieve thorough coverage of all foliage.</p> <p>The volume of water required to achieve this will depend on the stage of growth of the tomatoes and the method of trellising which influences canopy volume.</p> <p>In the case of dilute spraying (g/100 L) apply in the range of 400 to 500 L/ha after transplanting and increase to 800 to 1000 L/ha at full canopy.</p> <p>In the case of fully trellised tomatoes at full canopy, application volumes should be increased to 1500 L/ha to achieve these results with high volume spraying.</p> <p>For Late blight and Sclerotinia control use the higher rates when climatic conditions are humid and mild, which favours disease infection.</p> <p><b>Spray Interval</b></p> <p>Consecutive applications should be applied at 7 to 14 day intervals commencing soon after transplanting and continuing up to fruit maturity. Use the recommended shorter application interval in the following circumstances:</p> <ol style="list-style-type: none"> <li>1. Under humid weather conditions which are favourable for disease infection.</li> <li>2. When there is rapid vegetative growth during the early part of the crop cycle.</li> </ol> <p><b>Resistance Management</b></p> <p>Disease control may be reduced if strains of pathogens less sensitive to SUREFIRE STELLAR develop. Apply SUREFIRE STELLAR in a protective spray program.</p> <p>DO NOT wait until disease levels have built up to make applications as this reduces the effectiveness of control and increases the risk of resistance development.</p> <p>As a precaution, DO NOT apply more than 1/3 of the total fungicide sprays per crop as SUREFIRE STELLAR. A maximum of 3 consecutive applications of SUREFIRE STELLAR are to be applied. They must be preceded and followed by at least 3 applications of fungicide(s) from a different fungicide group(s) such as Cavalry 720 SC, before SUREFIRE STELLAR is used again in that crop. Where Late Blight infection has occurred it is recommended that single sprays of SUREFIRE STELLAR be alternated with 2 sprays of CHLOROTHALONIL or a fungicide(s) from another group(s). Where crops are grown successively alternation should continue between crops.</p> |
|  | Late blight<br>( <i>Phytophthora infestans</i> ),<br>Sclerotinia<br>( <i>Sclerotinia minor</i> )     | 500 - 600 mL/ha<br>or 50 - 60 mL/100 L |        |  |

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THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**