



Product Name: Surefire Stellar Top Fungicide
APVMA approval No.: 86917/ 117048

Label Name: Surefire Stellar Top Fungicide

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

Constituent Statements: ACTIVE CONSTITUENTS: 200 g/L AZOXYSTROBIN
125 g/L DIFENOCONAZOLE

Mode of Action: GROUP 3 | 11 FUNGICIDE

Statement of Claims: For the control of various diseases of Carrots, Potatoes and Tomatoes as per the Directions for Use.

Net Contents: 5 - 1000 litres

Restraints:
Restraints
DO NOT apply more than 6 applications of this product per season for potatoes and tomatoes
DO NOT apply more than 3 applications in carrots
DO NOT apply by aircraft, except on potatoes
Spray Drift Restraints
DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to ASAE S572 Standard or the BCPC Guideline.
DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site
DO NOT apply during surface temperature inversion conditions at the application site
Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application and KEEP this record for a minimum of 2 years. The spray application details that must be recorded are: 1. date with start and finish times of application; 2. location address and paddock/s sprayed; 3. full name of this product; 4. amount of product used per hectare and number of hectares applied to; 5. crop/situation and weed/pest; 6. wind speed and direction during application; 7. air temperature and humidity; 8. nozzle brand, type, spray angle, nozzle capacity and spray

system pressure measured during application; 9. name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used)

Mandatory No-Spray Zones

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in Table 1 below.

Table 1 No-Spray Zones for Protection of the Aquatic Environment

For Aerial Application

Wind speed range at time of application Downwind mandatory no-spray zone

Fixed wing Helicopter

from 3 to 8 kilometres per hour 40 metres 40 metres

from 9 to 20 kilometres per hour 60 metres 60 metres

For Ground Application

No Downwind No-Spray Zone required when applied as MEDIUM spray quality

Directions for Use:	This section contains file attachment.
---------------------	--

Other Limitations:	<p>WARNING</p> <ul style="list-style-type: none">• SUREFIRE Stellar Top is extremely phytotoxic to certain apple varieties.• AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees.• DO NOT spray SUREFIRE Stellar Top where spray drift may reach apple trees.• 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.• DO NOT use spray equipment that has been previously used to apply SUREFIRE STELLAR TOP to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.
--------------------	--

Withholding Periods:	<p>WITHHOLDING PERIODS:</p> <p>Carrots, Potatoes: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION</p> <p>Tomatoes: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.</p>
----------------------	--

Trade Advice:	
---------------	--

General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>MIXING</p> <p>Half-fill the spray tank with clean water and start agitation. Shake the closed SUREFIRE STELLAR TOP container. Whilst filling the remainder of the spray tank add the required amount of SUREFIRE STELLAR TOP, adding any tank mix products last. Maintain agitation until spraying is complete. DO NOT leave the spray mix in the sprayer overnight.</p> <p>APPLICATION</p> <p>Thorough coverage is essential for effective results.</p> <p>DO NOT use concentration factors exceeding 4X when applying through low volume application equipment, except when applying SUREFIRE STELLAR TOP by air. In these cases adequate coverage of all plant surfaces is still required to achieve control of diseases. Aerial Application: Use 30 - 40 L water/ha. Apply using a medium spray quality.</p>
-----------------------	--

Ground Application: Use at least 100 L water/ha. Apply using a medium spray quality.

Trellised Tomatoes

Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of runoff 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 runoff. Avoid excessive runoff. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of runoff. 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 runoff) 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) 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. $1000 \text{ L} / 500 \text{ L} = 2$)
4. If the dilute label rate is 80 mL/100 L, then the concentrate rate becomes 2×80 , 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.

COMPATIBILITY/TANK MIXING

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.

Resistance Warning:	<p>FUNGICIDE RESISTANCE WARNING</p> <p>GROUP 3 11 FUNGICIDE</p> <p>SUREFIRE STELLAR TOP Fungicide is a combination of a DMI and a Strobilurin and related products fungicide. For fungicide resistance management the product is both a Group 3 and a Group 11 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 3 and/or 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 3 and/or Group 11 fungicides, thus resulting in a reduction in efficacy and possible yield loss.</p> <p>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.</p>
---------------------	--

Precautions:	
--------------	--

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

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.

Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.</p> <p>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.</p> <p>For Refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
-----------------------	---

Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Harmful if inhaled. May irritate the eyes, nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with the eyes. DO NOT inhale spray mist. When opening the container, mixing and loading, and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.</p>
--------------------	---

First Aid Instructions:	<p>FIRST AID</p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.</p>
-------------------------	---

First Aid Warnings:	
---------------------	--

DIRECTIONS FOR USE

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Carrots	Leaf Blight (<i>Alternaria dauci</i> and <i>Cercospora carotae</i>)	500 or 1000 mL/ha	7 days	<p>Use in a protectant program commencing before disease occurs.</p> <p>Application</p> <p>Apply in a sufficient volume of water to achieve thorough coverage of all foliage. Apply the 500 mL rate at 7 day intervals and the 1000 mL rate at 10 to 14 day intervals. Use the higher rates when climatic conditions are humid and mild, which are favourable for disease infection.</p> <p>Spray Interval</p> <p>Consecutive applications should be applied at 7 to 14 day intervals commencing from first signs of infection. Use the recommended shorter application interval in the following circumstances:</p> <ol style="list-style-type: none"> 1. Under weather conditions which are favourable for disease infection and development. 2. When there is rapid vegetative growth during the early part of the crop cycle. <p>Resistance Management</p> <p>Apply SUREFIRE STELLAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 3 SUREFIRE STELLAR TOP applications in total, whichever is the lower. DO NOT apply more than 2 consecutive applications. Where consecutive applications of SUREFIRE STELLAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) such as Bravo before SUREFIRE STELLAR TOP is used again in that crop.</p>
	Powdery Mildew (<i>Erysiphe herculei</i>)	1000 mL/ha		<p>Use in a protectant program commencing before disease occurs, particularly during weather conditions that favour disease development. Apply at 10 to 14 day intervals in a sufficient volume of water to achieve thorough coverage of all foliage.</p> <p>Resistance Management</p> <p>Apply SUREFIRE STELLAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 3 SUREFIRE STELLAR TOP applications in total, whichever is the lower. DO NOT apply more than 2 consecutive applications. Where consecutive applications of SUREFIRE STELLAR TOP 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 TOP is used again in that crop.</p>

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Potatoes	Early blight (Target spot) (<i>Alternaria solani</i>)	375 - 500 mL/ha	7 days	<p>Apply the higher rates when climatic conditions favour Early blight or Late blight infection and in crops with large canopies.</p> <p>Application</p> <p>SUREFIRE STELLAR TOP 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>Ground Application: 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>Aerial Application (Early blight only): A volume of 30 to 40 L/ha is recommended.</p> <p>Spray Interval</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"> 1. Under humid weather conditions which are favourable for Early or Late blight infection. 2. When there is rapid vegetative growth during the early part of the crop cycle. 3. At the first sign of Late blight infection. <p>Resistance Management</p> <p>Apply SUREFIRE STELLAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 6 SUREFIRE STELLAR TOP applications in total, which ever is the lower. DO NOT apply more than 3 consecutive applications. Where consecutive applications of SUREFIRE STELLAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) such as chlorothalonil before SUREFIRE STELLAR TOP is used again in that crop.</p>
	Late blight (<i>Phytophthora infestans</i>)	625 - 750 mL/ha		

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Tomatoes (except greenhouse)	Early blight (Target spot) (<i>Alternaria solani</i>)	500 mL/ha or 50 mL/100 L	3 days	<p>Application 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 tomatoes and the method of trellising which influences canopy volume. (refer to sections on Dilute and Concentrate Spraying). In the case of dilute spraying (mL/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>
	Late blight (<i>Phytophthora infestans</i>), Sclerotinia (<i>Sclerotinia minor</i>)	625 - 750 mL/ha or 63 - 75 mL/100 L		<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. For Late blight and Sclerotinia control use the higher rates when climatic conditions are humid and mild, which are favourable for disease infection.</p>
	Powdery Mildew (<i>Leveillula taurica</i> and <i>Odium lycopersici</i>)	500 or 750 mL/ha or 50 or 75 mL/100 L		<p>Spray Interval 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"> 1. Under humid weather conditions which are favourable for disease infection. 2. When there is rapid vegetative growth during the early part of the crop cycle. <p>Resistance Management Apply SUREFIRE STELLAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 6 SUREFIRE STELLAR TOP applications in total, which ever is the lower. DO NOT apply more than 3 consecutive applications. Where consecutive applications of SUREFIRE STELLAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) such as chlorothalonil before SUREFIRE STELLAR TOP is used again in that crop.</p>

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