

Product Name: CAMPBELL PROTAK 450 EC FUNGICIDE
APVMA Approval No: 45187 / 139442



Label Name:	CAMPBELL PROTAK 450 EC FUNGICIDE
-------------	----------------------------------

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

Constituent Statements:	Label A: 450 g/L PROCHLORAZ 390 g/L XYLENE Label B: 450 g/L PROCHLORAZ
-------------------------	--

Mode of Action:	GROUP 3 FUNGICIDE
-----------------	-------------------

Statement of Claims:	•Label A: Crops: Avocado, banana, mango, pawpaw, pineapple, sugarcane and turf Controls: Alternaria rot, anthracnose, dollar spot, pineapple disease, stem end rot and water blister as per the Directions for Use •Label B: Crops: Avocado, banana, mango, pawpaw, pineapple, sugarcane and Commercial turf Controls: Alternaria rot, anthracnose, dollar spot, pineapple disease, stem end rot and water blister as per the Directions for Use
----------------------	---

Net Contents:	1-1000L
---------------	---------

Restrains:	RESTRAINTS Turf Diseases
------------	---------------------------------

DO NOT apply more than two consecutive sprays of fungicides from the same activity group (other than Group 14, 28, M2, M3, M4 or M5), unless mixed with a protectant fungicide from Group 14, 28, M2, M3, M4 or M5.

Spray Drift Restraints

Specific definitions for terms used in this section of the label can be found at 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.

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 one to two hours before sunset and persist until one to two hours after sunrise.

Directions for Use:

This section contains file attachment.

Other Limitations:

Withholding Periods:

NOT REQUIRED WHEN USED AS DIRECTED.

Trade Advice:

Export of Treated Produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with Protak. If you are growing produce for export, please check with Colin Campbell (Chemicals) Pty Ltd for the latest information on MRLs and import tolerances
BEFORE using Protak.

General Instructions:

GENERAL INSTRUCTIONS

MIXING

Add the required amount of product to the water in the spray tank/reservoir and stir thoroughly to ensure complete mixing. Add anti-foaming agent in situations where foaming of the dip solution could be a problem. Prepare and use spray and dip solutions only in well-ventilated areas.

APPLICATION – POST-HARVEST

Dip pineapples as directed.

For other fruit, until a topping-up recommendation is available, this product should be used in non-recirculating spray systems only. Treat fruit as soon as possible after harvest at shed temperature. Thorough coverage is essential. Adjust spraying equipment to ensure exposure of fruit for the periods recommended in the Critical Comments above. DO NOT use this product as a foliar spray on fruit as it may cause burning of foliage.

COMPATIBILITY

This product is compatible with most commonly used herbicides, fungicides and insecticides. DO NOT mix with strongly alkaline materials such as Bordeaux mixture and lime sulphur. When used in mixtures care should be taken not to compromise timing or method of application for all components of the tank mix. DO NOT use in mixtures when treating avocados.

Resistance Warning:

FUNGICIDE RESISTANCE WARNING

GROUP 3 FUNGICIDE

Protak 450EC Fungicide is a member of the imidazole group of fungicides. For fungicide resistance management Protak 450EC Fungicide is a Group 3 fungicide. Some naturally occurring individual fungi resistant to Protak 450EC Fungicide and other Group 3 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 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, Colin Campbell (Chemicals) Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

Resistance management strategies

Resistant strains of fungi can develop to this and other fungicides, and therefore it is recommended that the following strategies be adopted to reduce the possibility of this occurrence:

Post-harvest dipping of fruit

1. For the last pre-harvest spray, use a fungicide with a different mode of action to the fungicide planned for use as a post-harvest treatment.
2. Where alternatives are available, rotate to use as many different modes of action as possible.
3. Dip fruit with a recommended fungicide promptly after harvest.
4. Don't store fruit in the packing house - move it through the packing house quickly.
5. Dispose of mouldy fungicide-treated fruit at harvest - DO NOT bring it into the packing house.
6. For the last pre-harvest spray, use a fungicide with a different mode of action to the fungicide planned for use as a post-harvest dip.
7. Resistant strains of fungi can develop within the packing house. Where alternatives are available, rotate to use products with as many different modes of action as possible.
8. Remove mouldy fruit from storage - isolate from other fruit.
9. DO NOT move fruit between packing houses - especially mouldy fruit.

Precautions:

Re-entry statements for occupational users:

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

Protections:

PROTECTION OF LIVESTOCK

DO NOT graze stock on treated turf or feed grass clippings from treated turf to livestock.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

Storage and Disposal:

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

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:

SAFETY DIRECTIONS

Product is poisonous if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour. When opening the container and preparing spray or dip, wear elbow-length chemical resistant 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 and contaminated clothing.

First Aid Instructions:

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

First Aid Warnings:

DIRECTIONS FOR USE

CROP	DISEASE	STATE	RATE	CRITICAL COMMENTS
Avocado	Anthracnose (<i>Glomerella cingulate</i>), Stem end Rot	Qld, NSW, WA, NT only	55 mL / 100 L water	Spray fruit for 30 seconds. DO NOT use on Avocado cultivar Rincon.
Banana	Anthracnose (black end) (<i>Colletotrichum musae</i>)			
Mango	Anthracnose (<i>Colletotrichum gloeosporioides</i>)			
	Alternaria rot (<i>Alternaria alternata</i>)	Qld, WA, NT only		
Pawpaw	Anthracnose (<i>Colletotrichum</i> spp.), Stem end rot	Qld, NSW, WA only		
Pineapple	Water blister (<i>Ceratocystis paradoxa</i>)		Dip fruit for 1 minute. As the dip volume declines, top-up using a concentration of 85 mL per 100 L water.	
Sugarcane	Pineapple disease (<i>Ceratocystis paradoxa</i>)	Qld, NSW, WA, NT only	40 mL / 200 L water	Apply as a dip or spray to setts at planting. Ensure thorough coverage of all sett ends.
Label A Turf Label B Commercial turf – including turf farms and golf courses	Dollar spot (<i>Sclerotinia homoeocarpa</i>)	Qld, NSW, Vic, SA, WA, NT only	65 mL / 50 - 100 L Water/100m ²	Apply in a monthly spray programme when disease first appears. Spray evenly to ensure thorough coverage.

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