

Fludy[®] 230SC

FUNGICIDE

GROUP 12 FUNGICIDE

Active Constituent: 230g/L FLUDIOXONIL

Poison Schedule: S5 (CAUTION)

APVMA Approval No: 83843



Eligible containers
5L

Controls certain post-harvest diseases in citrus, stone fruit, pome fruit and kiwi fruit, pomegranates and mangoes

Pack Size:

1L (12 x 1L per carton)

5L (4 x 5L per carton)

Dangerous Goods Class:

Not classified as a dangerous good under the Australian Code for Transport and Storage of Dangerous Goods in Australia.

DIRECTIONS FOR USE

CROP	PEST	RATE		CRITICAL COMMENTS
		Dip high Volume	Dip Low volume	
Citrus	Blue mould (Penicillium italicum) Green mould (Penicillium digitatum) Diplodia Stem End Rot	260 to 520mL in 100L water	87 to 174mL per 10,000kg fruit applied in 5 to 15L water	Raising the temperature of the prepared aqueous solution to a maximum of 50OC for up to 1 minute may improve the efficacy of this product. Avoid long heat exposure on fruit with a sensitive rind. Applied alone Fludy should be used in alternation with other products for easily protected fruit and when disease pressure is expected to be low to moderate. Under high disease pressure, Fludy should only be used with other postharvest fungicides (see Compatibility section). Refer to application section below for application instructions.
Kiwi Fruit	Grey mould (Botrytis cinerea)	130 to 260mL in 100L water	-	Refer to application section below for application instructions.
Pome Fruit	Blue mould (Penicillium expansum and P. solitum) Grey mould (Botrytis cinerea)	130 to 260mL in 100L water	-	Refer to application section below for application instructions.
Stone Fruit except Apricots and Peaches	Brown rot (Monolinia spp), Grey mould (Botrytis cinerea),	130 to 260mL in 100L water	-	Refer to application section below for application instructions.
Apricots and Peaches	Rhizopus rot (Rhizopus stolonifer)	130mL in 100L water		Refer to application section below for application instructions.

Fludy® 230SC

Mangoes	Anthracnose (<i>Colletotrichum gleosporoides</i>) Stem end rot and Dendritic spot (<i>Botrosphaeria</i> family) and includes <i>Fusicoccum parvum</i> , <i>Dothiorella dominicana</i> , <i>Lasiodiplodia</i> <i>theobromae</i> and <i>Phomopsis mangiferae</i>	60 to 120mL in 100L water (52°C for 5 minutes)		Hot dip or flood spray. Use the low rate for low disease pressure and the high rate for high disease pressure. Refer to application section below for application instructions.
	Anthracnose (<i>Colletotrichum</i> <i>gleosporoides</i>)		260mL/100L	Low volume non-recirculating spray only.
Pomegranates	Botrytis fruit rot (<i>Botrytis cinerea</i>)	260mL in 100L water		Dip or flood spray. Fruit should be dipped or drenched under high volume application for 30 seconds. The dip or flood spray may be heated to 49°C to further increase efficacy.
Chestnuts	Suppression of surface moulds and fungal rots	-	Dip or low volume spray 130mL/100L water	Product may be applied as a post harvest dip or low volume concentration spray in chestnuts. Ensure that nuts are clean of soil debris prior to treatment.
Pineapple	Postharvest moulds (<i>Penicillium</i> spp.)	230mL product/100L water	-	Apply treatment immediately after harvest. Ensure thorough and even coverage.

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

Fludy[®] 230SC

**WITHHOLDING PERIODS
NOT REQUIRED WHEN USED AS DIRECTED**

GENERAL INSTRUCTIONS

Campbell Fludy 230SC Fungicide is a protective fungicide used as a postharvest treatment to control certain postharvest diseases. Campbell Fludy 230SC Fungicide may be applied as a post-harvest dip, drench, flood or spray in citrus and mangoes, or as a dip or drench in pome fruit, pomegranates, stone fruit and kiwi fruit. Note: Campbell Fludy 230SC Fungicide may be degraded by exposure to direct sunlight. Treated fruit should not be stored in direct sunlight.

Mixing

Clean mixing and spraying equipment before use. Prepare no more treatment solution than is needed for the immediate operation. Shake the container before use to ensure uniform dispersion of contents before measuring quantity required. Half-fill the spray or mixing tank with clean water or wax/oil emulsion (or aqueous dilution of a wax/oil emulsion) and start agitation. While filling the remainder of the spray tank add the required amount of Campbell Fludy 230SC Fungicide. Begin application of the solution after Campbell Fludy 230SC Fungicide has completely and uniformly dispersed into the mix carrier. Maintain agitation throughout the application operation. DO NOT let the treatment mixture stand overnight in the tank. Flush the spray equipment thoroughly after each use.

Application

Dip and High Volume Drench Application: Citrus, kiwi fruit, pome fruit, pomegranates and stone fruit: Dip fruit in prepared solution for 30 to 60 seconds and allow fruit to drain. Ensure fruit is in complete contact with the dipping solution. Mangoes: Apply by hot dip or hot flood spray. Time of exposure: 5 minutes at 52°C.

Dip and Low Volume Concentrate spray application: Chestnuts: Dip in prepared solution or spray with an application time one (1) minute and allow produce to drain and dry thoroughly prior to storage. Ensure thorough and even coverage of chestnuts in the dip or by spray application.

High Volume Application

Mix appropriate volume of Campbell Fludy 230SC Fungicide (see Directions for Use) in water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion for the fruit being treated. Use T-jet, flooders, or similar application system. Fruit should be treated for approximately 30 seconds. Ensure all parts of fruit are well covered by mixture.

Low Volume Application

Citrus: Apply by low volume application. Use properly calibrated low volume application equipment. Ensure all parts of fruit are well covered by the spray solution and application time is at least 30 seconds. Mix the required amount of Campbell Fludy 230SC Fungicide in 5 to 15 L of water or wax per 10,000kg fruit.

Mangoes: Apply by low volume non-recirculating ambient spray, exposing fruit for 30 seconds. The use of brush rollers may improve efficacy.

Compatibility

Campbell Fludy 230SC Fungicide Fungicide can be mixed with Vorlon, imazalil (e.g. Magnate), calcium hypochlorite and DPA. A reduction in efficacy may occur when Campbell Fludy 230SC Fungicide is applied with DPA at DPA rates above 500ppm. If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. As formulations of other manufacturers' products are beyond the control of Colin Campbell Chemicals, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

Cleaning Equipment

Rinse application equipment with water after use. Spread rinsings over flat land away from desirable vegetation, waterways and drainage, and follow Dip Disposal instructions.

Fungicide Resistance Warning

GROUP	12	FUNGICIDE
--------------	-----------	------------------

Fludy Fungicide is a member of the phenylpyrrole group of fungicides. For fungicide resistance management Fludy is a Group 12 fungicide. Some naturally occurring individual fungi resistant to Fludy and other Group 12 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually

Fludy[®] 230SC

dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Fludy and other Group 12 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 Fludy to control resistant fungi.

Export of Treated Produce

While Maximum Residue Limits (MRLs) have been set in many 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 organization or Colin Campbell Chemicals representative.

PRECAUTIONS

Re-handling : DO NOT rehandle treated fruit until the product has been allowed to dry, unless wearing chemical resistant gloves.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish and other aquatic organisms. This product is very toxic to aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Keep out of reach of children. 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.

DIP DISPOSAL

Unused or spent dip should be disposed of carefully to avoid contamination of streams, rivers or waterways. Dispose of dip in an authorised dip disposal facility.

SAFETY DIRECTIONS

May irritate the eyes. Harmful if swallowed. Repeated exposure may cause allergic disorders. Avoid contact with the eyes. DO NOT inhale spray mist. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If applying by hand wear half facepiece respirator with organic vapour/gas cartridge or canister. Change canister if odour or taste of pesticide is noticed (a maximum of 8 hours of use is recommended). Wash hands after use, wash respirator and, if rubber, wash with detergent and warm water, and wash contaminated clothing.

FIRST AID

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

SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet. A copy can be obtained from the website : www.campbellchemicals.com.au

APVMA Approval No: 83843

®Fludy is a registered trademark of Colin Campbell (Chemicals) Pty Ltd

CONDITIONS OF SALE: Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which Colin Campbell (Chemicals) Pty Ltd (Company) does not have control. Whilst the Company believes that all goods sold by it are true to label and are effective and safe for the purpose indicated, the Company expressly excludes all conditions, guarantees and warranties, whether express, implied, statutory or otherwise, relating in any way to the goods and accepts no responsibility for any loss, harm or damage whatsoever suffered from the use of the goods for any purpose or purposes. Notwithstanding the foregoing, where any legislation implies any condition, guarantee or warranty (each, a Statutory Guarantee) and that legislation prohibits provisions excluding, restricting or modifying the application of, the exercise of a right conferred by or liability under such Statutory Guarantee, such Statutory Guarantee shall not be excluded. However the Company's liability for any breach of such Statutory Guarantee shall, if permitted by that legislation, be limited at the Company's option to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods or of acquiring equivalent goods.