

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Scholar[®]

Fungicide

syngenta[®]

ACTIVE CONSTITUENT: 230 g/L FLUDIOXONIL

GROUP **12** FUNGICIDE

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

Syngenta Australia Pty Ltd
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No: 63391/60213

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DIRECTIONS FOR USE

Crop	Disease	Rate		Critical Comments
		Dip and high volume	Low volume	
Citrus	Blue Mould (<i>Penicillium italicum</i>), Green Mould (<i>Penicillium digitatum</i>), Diplodia Stem End Rot	260 to 520 mL in 100 L water	87 to 174 mL per 10,000kg fruit applied in 5 to 15 L water	Raising the temperature of the prepared aqueous solution to a maximum of 50°C for up to 1 minute may improve the efficacy of this product. Avoid long heat exposure on fruit with sensitive rind. Applied alone Scholar 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, Scholar should only be used with other postharvest fungicides (see Compatibility section). Refer to Application section below for application instructions.
Kiwi Fruit	Grey Mould (<i>Botrytis cinerea</i>)	130 to 260 mL in 100 L water	-	Refer to Application section below for application instructions.
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 theobromae</i> and <i>Phomopsis mangiferae</i>)	60 to 120 mL in 100 L 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 gleosporoides</i>)		260 mL /100 L	Low volume non-recirculating spray only.
Pome Fruit	Blue Mould (<i>Penicillium expansum</i> & <i>P. solitum</i>), Grey Mould (<i>Botrytis cinerea</i>)	130 to 260 mL in 100 L water	-	Refer to Application section below for application instructions.
Pomegranates	Botrytis fruit rot (<i>Botrytis cinerea</i>)	260 mL in 100 L 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.
Stone Fruit – except Apricots and Peaches – Apricots and Peaches	Brown Rot (<i>Monilinia</i> spp.), Grey Mould (<i>Botrytis cinerea</i>), Rhizopus Rot (<i>Rhizopus stolonifer</i>)	130 to 260 mL in 100 L water	-	Refer to Application section below for application instructions.
		130 mL in 100 L water	-	

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

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

GENERAL INSTRUCTIONS

Scholar is a protective fungicide used as a post-harvest treatment to control certain post-harvest diseases. Scholar 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: SCHOLAR 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 SCHOLAR. Begin application of the solution after SCHOLAR has completely and uniformly dispersed into the mix carrier. Maintain agitation throughout the treatment 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.

High Volume Application

Mix appropriate volume of SCHOLAR (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 Scholar in 5 to 15 L of water or wax per 10,000 kg fruit.

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

Compatibility

SCHOLAR Fungicide can be mixed with Tecto[®], imazalil (eg Fungaflor*), calcium hypochlorite and DPA. A reduction in efficacy may occur when Scholar is applied with DPA at DPA rates above 500 ppm.

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 Syngenta, 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
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SCHOLAR Fungicide is a member of the phenylpyrrole group of fungicides. For fungicide resistance management SCHOLAR is a Group 12 fungicide. Some naturally occurring individual fungi resistant to SCHOLAR and other Group 12 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by SCHOLAR 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, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of SCHOLAR to control resistant fungi.

Export of Treated Produce

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 Syngenta Australia representative.

PRECAUTIONS

Re-handling: DO NOT re-handle 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.

DO NOT contaminate streams, rivers or waterways with the product 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 or preferably pressure 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 for appropriate disposal 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 inhaled. 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 cartridge if odour or taste of pesticide is noticed (a maximum of 8 hours of use is recommended).

Wash hands after use. After each day's use, wash respirator and if rubber wash with detergent and warm water, and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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