CAUTION

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



ACTIVE CONSTITUENT: 230 g/L FLUDIOXONIL



For the control of certain post-harvest diseases in chestnuts, citrus, mangoes, pineapple, pomegranates, pome fruit, stone fruit and kiwi fruit as per the DIRECTIONS FOR USE table.



DIRECTIONS FOR USE

CROP	DISEASE	RATE		
		DIP & HIGH Volume	LOW VOLUME	CRITICAL COMMENTS
Chestnuts	Suppression of surface moulds and fungal rots	-	Dip or low volume spray 130 mL in 100L water	Product may be applied as a post-harvest dip or low volume concentrate spray in chestnuts. Ensure that nuts are clean of soil debris prior to treatment.
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 10,000 kg fruit applied in 5-15 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 Starling 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, Starling should only be used with other postharvest fungicides (see Compatibility section). Refer to Application section for application instructions.
Kiwi Fruit	Grey Mould (Botrytis cinerea)	130 to 260 mL in 100 L water	-	Refer to Application section for application instructions.
Mangoes	Anthracnose (Colletotrichum gleosporoides) Stem end rot and Dendritic spot (Botrosphaeria family and includes Fusicoccum parvum, Dothiorella dominicana, Lasiodiplodia theobromae and Phomopsis mangiferae)	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 for application instructions.
	Anthracnose (Colletotrichum gleosporoides)	-	260 mL /100L	Low volume non-recirculating spray only.
Pineapples (fresh only; excluding fruit for processing)	Postharvest moulds (Penicillium spp.)	230 mL in 100L water	-	Apply treatment immediately after harvest. Ensure thorough and even coverage.
Pome Fruit	Blue Mould (Penicillium expansum & P. solitum), Grey Mould (Botrytis cinerea)	130 to 260 mL in 100 L water	-	Refer to Application section for application instructions.
Pomegranates	Botrytis fruit rot (<i>Botrytis</i> cinerea)	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	Brown Rot (Monilinia spp.), Grey Mould (Botrytis cinerea), Rhizopus Rot (Rhizopus stolonifer)	130 to 260 mL in 100 L water	-	Refer to Application section for application instructions.
Apricots and Peaches		130 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:

Pineapple: NIL

ALL OTHER USES: NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS

Post-Harvest Treatment

Starling is a protective fungicide used as a post-harvest treatment to control certain post-harvest diseases. Starling 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: Starling 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 Starling. Begin application of the solution after Starling 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.

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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 Starling (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 Starling 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.

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.

Compatibility

Starling can be mixed with Tecto, imazalil (e.g. Fungaflor*), calcium hypochlorite and DPA. A reduction in efficacy may occur when Starling 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 including wetting agent, are beyond the control of Grochem, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. Please refer to Grochem Australia Pty Ltd for further information.

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



Starling Fungicide is a member of the phenylpyrrole group of fungicides. For fungicide resistance management Starling Fungicide is a Group 12 fungicide. Some naturally occurring individual fungi resistant to Starling Fungicide 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 Starling Fungicide 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, Grochem Australia Pty Ltd accepts no liability for any losses that may result from the failure of Starling to control resistant fungi.

PRECAUTIONS

Re-handling

DO NOT re-handle treated fruit until the product has been allowed to dry unless wearing chemical resistant gloves.

Export of treated produce

Growers should note that Maximum Residue Limits (MRLs) or import tolerances may not exist in all markets for edible produce treated with Starling Fungicide. If you are growing edible produce for export, please check with Grochem Australia Pty Ltd for the label information on MRLs and important tolerances before using this product.

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.

SAFETY DIRECTIONS

May irritate the eyes. Harmful if inhaled. Repeated exposure may cause allergic disorders. Avoid contact with eyes. Do not inhale spray mist. When opening the container and preparing product for use, wear cotton overalls buttoned to the neck and wrist [or equivalent clothing] and 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 contaminated clothing.

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.

FIRST AID

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

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SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a copy phone 1800 777 068 or visit our website www.grochem.com

LIMIT OF LIABILITY

- 1. Grochem Australia accepts responsibility for the consistent quality of the product.
- 2. Grochem Australia accepts no responsibility whatsoever for any damage, injury or loss following purchase and use of this product.
- 3. The extent of liability of Grochem Australia is limited to the replacement of goods or a refund on the price paid. This being conditional upon a claim being made in writing and within 30 days of delivery/receipt of product.
- 4. This product must also be used in strict accordance with the directions as detailed on this label. The buyer accepts and uses this material with an understanding of the above conditions.



APVMA Approval Number: 84680/126433

In a Transport Emergency Dial 000 Police or Fire Brigade

Specialist Advice In Emergency Only 1800 033 111 All Hours - Australia Wide

