

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

IcON Phite 400

Systemic Fungicide

**ACTIVE CONSTITUENT: 400 g/L PHOSPHOROUS (PHOSPHONIC) ACID
PRESENT AS MONO (AND) DI POTASSIUM PHOSPHITE**

GROUP	33	FUNGICIDE
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A systemic fungicide for the control of root rot in avocado and subterranean clover, root and collar rot in citrus, root and crown rot in ornamentals & root and heart rot in pineapples caused by phytophthora fungi and for the control of downy mildew in grapes as per the directions for use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

Contents: 1 L, 5 L, 20 L, 200 L, 1000 Litres

Sonic Essentials Pty Ltd
ACN 127 016 406
10 Northgate Street,
Mooroopna, VIC 3629,
PO Box 258, Mooroopna, VIC 3629
Phone +61 3 5825 5454 Fax +61 3 5825 4544

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Spillage should not be directed to drains but absorbed in sawdust and the absorbent material disposed of in a sealed container at an approved disposal site. Triple, or preferably, pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If not recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling break, crush or puncture containers and bury empty containers in a local authority landfill. If no landfill is available, bury containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

For refillable containers: Empty contents fully into application equipment. Close all valves and return to collection point for refill or storage.

SAFETY DIRECTIONS

May irritate eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which is available from the supplier.

CONDITIONS OF SALE

Sonic Essentials Pty Ltd accepts no responsibility whatsoever for any direct or indirect loss or damage or other result following the use of this product whether used in accordance with directions or not, subject to any overriding statutory provision and provided that such liability under those provisions shall be limited to the replacement of the goods as supplied. This product is sold and the buyer accepts and uses this product subject to these conditions.

APVMA Approval No.: 69516/60992

BN:

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DIRECTIONS FOR USE

Restraint: DO NOT apply this product at volumes which cause excessive run off.

TREE AND VINE CROPS

CROP/ SITUATION	DISEASE	STATE	METHOD OF APPLICATION	RATE	CRITICAL COMMENTS
Avocado	Phytophthora Root Rot (<i>Phytophthora cinnamomi</i>) (curative treatment)	Qld, NSW, Vic, SA & WA only	Trunk injection	Skeletal trees 1st year 7.5 mL/ metre of canopy diameter. Preventative treatment 3.75 mL of product diluted with 7.5 mL of water per metre	DO NOT prune back Avocado trees immediately before or after treatment as burning of new growth or shoots may occur. DO NOT inject Avocado trees in cold weather or winter months. DO NOT inject trees where the trunk is damaged eg. sunburnt. DO NOT inject immediately above or below previous injection sites Inject trees at spring, shoot maturity and repeat application during summer. Ideally inject trees between 6 am and 11 am when the transpiration rate is highest and hence uptake is faster. Drill holes 5 mm in diameter and 2.5 to 5 cm deep with a slight downward angle in the trunk. Syringes should be evenly spaced around the circumference of the trunk. After absorption remove the syringe and it is not necessary to seal the holes as callusing will occur naturally. Thoroughly clean drill bits and syringes between tree injections with sodium hypochloride (1.5%) to prevent the spread of sunblotch virus.

CROP/SITUATION	DISEASE	STATE	METHOD OF APPLICATION	RATE	CRITICAL COMMENTS
CITRUS Young or small citrus. Nursery stock and recently transplanted trees	Phytophthora Root Rot (<i>P. nicotianae</i> var <i>parasitica</i>) Collar Rot (<i>P. citrophthora</i>)	Qld, NSW, Vic, SA WA & Tas only	Foliar spray	2.5 to 5 mL/L to leaf wetness (By boom or similar high volume sprayer)	<p>DO NOT apply to citrus under high temperature (above 35°C) particularly if humidity is low or to moisture stressed trees.</p> <p><i>1st Application:</i> Late winter (late August) prior to flowering.</p> <p><i>2nd Application:</i> Autumn (late March-April) applied to mature fruit.</p> <p>Add a sticker filming agent, or a non-ionic wetting agent to the spray according to label directions.</p> <p>Repeat applications annually to maintain protection within that tree.</p> <p>Removal of fruit from affected trees will assist in recovery of trees.</p> <p>Warning - Young container grown mandarin trees may develop leaf burn and growth retardation following foliar application of Throw Down at the rate recommended for established trees.</p>
MATURE CITRUS Where disease incidence is higher or well established				20 L/ha in 3000 to 4000 L of water. 80 mL/12L per tree.	
CITRUS Low phytophthora pressure only. Well drained soils				12.5 L/ha in 2000 - 5000 L of water. 50 mL/12 L per tree	
GRAPES	Downy Mildew (<i>Plasmopara viticola</i>)	Qld, NSW, Vic, SA & WA only	Foliar spray	3 L/ha early season/small canopies 4-6 L/ha Mid-late season/large canopies	<p>It is essential that the rate of Throw Down is adjusted to the vine row volume (ie. the volume of vine foliage per hectare).</p> <p>Spray timing is critical. For best results, apply Throw Down as a tank mix with protectant fungicides such as Mancozeb or Dithane, Copper Oxychloride, etc., to ensure both pre and post infection activity. Throw Down should be applied at times of high disease risk, especially between the time that conditions are conducive to Downy Mildew infection and the appearance of oil spots.</p> <p>Ensure spray coverage is adequate and that the appropriate rate of Throw Down is applied to match vine growth, particularly from mid season onwards and where grapes are grown on root stock</p>

CROP/SITUATION	DISEASE	STATE	METHOD OF APPLICATION	RATE	CRITICAL COMMENTS
ORNAMENTALS	Phytophthora Root and Crown rot	Qld, NSW, Vic Tas & WA only	Foliar spray	Knapsack/Boom 2.5 mL/L Air Blast 5 mL/L	DO NOT apply to ornamental plants under extremes of temperature. DO NOT apply when ornamental plants are dormant or stressed Apply at 4 week intervals when conditions favour disease development. To avoid phytotoxicity with some plant species it is recommended that the product be tested on a few plants of each species prior to the main application.
PINEAPPLES	Phytophthora Root and Heart rot (<i>Phytophthora cinnamomi</i>)	Qld only	Foliar spray	6 L/ha in 1000 to 3000 L/ha boom spray	Apply to crop 2 weeks before harvest for pre-treatment of pineapple tops for protection of planting material against initial Phytophthora infestations. All planting material must be protected on initial contact with soil from day 1 after planting.
SUBTERRANEAN CLOVER	Root rot (<i>Phytophthora clandestina</i>)	NSW, Vic, Tas, SA & WA only	Foliar spray	750 mL/ha approx. 200 L water/ha	Apply 8 to 9 days after first irrigation but before second irrigation. Apply in Autumn when Subterranean Clover is in the cotyledon to unifoliate leaf growth stage.

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

WITHHOLDING PERIOD:

Subterranean Clover: **DO NOT GRAZE OR CUT FOR STOCKFEED FOR 14 DAYS AFTER APPLICATION.**

Citrus, Avocado, Grapes, Pineapples: **NOT REQUIRED WHEN USED AS DIRECTED.**

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

GROUP	33	FUNGICIDE
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For fungicide resistance management, IcON Phite 400 Systemic Fungicide is a Group 33 fungicide. Some naturally occurring individual fungi resistant to IcON Phite 400 Systemic Fungicide and other Group 33 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 IcON Phite 400 Systemic Fungicide, and other Group 33 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, Sonic Essentials Pty Ltd accepts no liability for any losses that may result from the failure of IcON Phite 400 Systemic Fungicide to control resistant fungi.

CONDITIONS CONDUCIVE TO DOWNY MILDEW INFECTION

(1) PRIMARY INFECTION - overnight conditions of:

Temperature	10°C
Rainfall	10 mm
Soil Wetness	24 hrs
Leaf Wetness	3 - 4 hrs at end of a 24 hr period.

(2) SECONDARY INFECTION - Overnight conditions of:

Temperature	11°C
Humidity	98% for at least 4 hours from midnight to dawn
Leaf Wetness	24 hrs

TO AVOID RESISTANT STRAINS OF DOWNY MILDEW DEVELOPING, APPARENT PHOSPHITE 400 SHOULD BE APPLIED AS CLOSE AS POSSIBLE TO THE DAY OF INFECTION AND ALTERNATED WITH SYSTEMIC FUNGICIDES.

MIXING

Foliar application: For foliar spraying, Throw Down is diluted with water. Throw Down is already formulated as a solution in a water base and mixes easily with water. When mixing, use only a clean uncontaminated tank. If the tank has been used for herbicide application, ensure it has been thoroughly decontaminated. Recycle material through the spray pump to ensure good mixing.

COMPATIBILITY

Compatible with Mancozeb, Copper Oxychloride, Bayleton, Tilt, and most common powdery mildew fungicides. Compatible with Ethephon (Pineapples only). Most foliage nutrients are also compatible. When using in conjunction with 'EC's' always form emulsion with water prior to adding IcON Phite 400 Systemic Fungicide.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

When applying as a foliar spray, ensure the mixture is directed only onto the target plant.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT spray IcON Phite 400 Systemic Fungicide over waterways or onto native plant growth. DO NOT contaminate streams, rivers or waterways with the chemical or used containers

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