

### STORAGE AND DISPOSAL (20L & 200L only)

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 500mm 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 and product.

### Envirodrum - Micro Matic Valve (110L)

Store the original sealed Envirodrum in a cool, well ventilated area. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase.

### SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the skin and damage the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the spray, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and goggles. When using the prepared spray, wear cotton overalls, buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves and goggles. If applying by hand or by airblast, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and goggles. If product on skin, immediately wash area with 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, goggles and contaminated clothing.

## CAUTION

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



# IMTRADE DEFEND 400 EC FUNGICIDE

**ACTIVE CONSTITUENT: 400 g/L DIFENOCONAZOLE  
SOLVENT: 429 g/L LIQUID HYDROCARBON  
100 g/L N-METHYL-2-PYRROLIDONE**

**GROUP 3 FUNGICIDE**

**Controls Target Spot of Potatoes and Tomatoes,  
Leaf Blight of Carrots, Leaf Spot Diseases  
of Bananas and Husk Spot on Macadamias  
as per the Directions for Use table**

**IMPORTANT: READ THIS LABEL AND THE ATTACHED LEAFLET  
THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT**

Imtrade Australia Pty Ltd  
ABN 13 090 151 134  
17 Ocean Street, Kwinana WA 6167  
Tel: 1800 171 799 Fax: 1800 171 788  
Web: www.imtrade.com.au

### FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 13 11 26). If swallowed, **DO NOT** induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

### Additional GHS Hazard & Precautionary Statements

•May cause respiratory irritation; •May damage fertility or the unborn child; •Avoid breathing fumes, mists, vapours or spray; •**DO NOT** get on clothing; •**DO NOT** eat, drink or smoke when using this product; •Use only outdoors or in a well-ventilated area; •**IF SWALLOWED:** call a POISON CENTRE or doctor if you feel unwell; •If exposed or concerned: Get medical advice; •If skin irritation occurs: Get medical advice; •If eye irritation persists: Get medical advice; •In case of fire, use carbon dioxide, dry chemical foam, water fog.

### SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or Imtrade Australia Pty Ltd website at [www.imtrade.com.au](http://www.imtrade.com.au)

### CONDITIONS OF SALE

Imtrade Australia Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

**In a Transport Emergency  
Dial 000  
Police or Fire Brigade**

**APVMA Approval No: 63825/46595**

**CONTENTS 20L**  
 **CONTENTS 110L**  
 **CONTENTS 200L**

Batch No:  
Date of Manufacture:

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as per the Directions for Use table

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**DIRECTIONS FOR USE****RESTRAINTS**

**DO NOT** apply more than 6 applications of Imtrade Defend 400 EC Fungicide per season. The effect of Imtrade Defend 400 EC Fungicide could be diminished if rain falls within 2 hours of application.

**DO NOT** apply Imtrade Defend 400 EC Fungicide using spraying equipment carried on the back of the user.

Crop	Disease Controlled	State	Rate/ha	WHP	Critical Comments
Bananas including bananas interplanted with avocados	Yellow Sigatoka ( <i>Mycosphaerella musicola</i> ), Black Sigatoka ( <i>Mycosphaerella fijiensis</i> )	Qld, NSW & NT only	<b>Ground Application</b> 250 mL + 3 to 5L of water miscible oil in a convenient volume of water <b>Aerial Application</b> 250 mL + 3 to 5L of water miscible oil in a minimum of 30L of water	1 day	<p><b>This use is subject to a Fungicide Resistance Management Strategy.</b></p> <p><b>Ground Application:</b> Apply by misting machine or airblast sprayer. Use rates towards the higher end of the range where weather conditions favour diseases or where equipment or terrain does not permit thorough spray coverage of all foliage.</p> <p><b>NSW, Sth Qld: Ground and aerial applications:</b> Commence spraying at the start of the summer rainy season. Apply a maximum of 5 Group 3 sprays per season. Apply a maximum of 2 consecutive sprays of Imtrade Defend 400 EC Fungicide at 21 to 28 day intervals before applying further treatments of a fungicide from a different activity group.</p> <p><b>NT, Nth Qld: Ground and aerial applications:</b> Commence spraying at the start of the wet season. Apply a regular schedule of protectant sprays. When the disease potential is high, apply a maximum of 2 consecutive sprays of Imtrade Defend 400 EC Fungicide at 14 to 21 day intervals before applying further treatments of a fungicide from a different activity group. Apply a maximum of 6 Imtrade Defend 400 EC Fungicide (or other Group 3) sprays per season. Continue with treatments using an alternative protectant fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld.</p> <p><b>DO NOT</b> apply during July, August, September and October.</p>

Crop	Disease Controlled	State	Rate/ha	WHP	Critical Comments
Carrots	Leaf Blight ( <i>Alternaria daici</i> and <i>Cercospora carotae</i> )	All States	190 mL or 310 mL	7 days	Use in a protectant program commencing before disease occurs. Limit the use of Group 3 Fungicides to periods when conditions favour disease development. Apply the 190 mL rate at 7 day intervals and the 310 mL rate at 10 to 14 day intervals. Use the 310 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of Imtrade Defend 400 EC Fungicide alone. Then apply a recommended non Group 3 Fungicide or tank mix Imtrade Defend 400 EC Fungicide with a recommended protectant fungicide for at least 1 application before continuing with Imtrade Defend 400 EC Fungicide alone. Good crop hygiene will aid disease control.
Macadamia Nuts	Husk Spot ( <i>Pseudocercospora macadamiae</i> )	Qld, NSW & NT only	<b>Dilute spraying</b> 30 mL/100L water  <b>Concentrate spraying</b> Refer to the Application section	–	Apply by dilute or concentrate spraying equipment. <b>Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.</b>  Use in a protectant fungicide program containing fungicides from different chemical groups. Commence fungicide applications at nut set (approximately late September) and continue the fungicide program until late December, with applications at 3 to 4 week intervals. Apply a maximum of 2 applications of Imtrade Defend 400 EC Fungicide per season. Ensure thorough spray coverage. Add a non-ionic Wetting Agent at the applicable label rate.

Crop	Disease Controlled	State	Rate/ha	WHP	Critical Comments
Potatoes	Target Spot/Early Blight ( <i>Alternaria solani</i> )	All States	190 mL or 310 mL	7 days	<p><b>This use is subject to a Fungicide Resistance Management Strategy.</b></p> <p>Use in a protectant program commencing when rows meet and before disease occurs. Limit the use of Group 3 Fungicides to periods when conditions favour disease development. Apply the 190 mL rate at 7 day intervals and the 310 mL rate at 10 to 14 day intervals. Use the 310 mL rate when conditions favour high disease pressure.</p> <p>Apply no more than 2 consecutive sprays of Imtrade Defend 400 EC Fungicide alone. Then apply a recommended non Group 3 Fungicide or tank mix Imtrade Defend 400 EC Fungicide with a recommended protectant fungicide for at least 1 application before continuing with Imtrade Defend 400 EC Fungicide alone. <b>DO NOT</b> apply more than 6 Imtrade Defend 400 EC Fungicide (or other Group 3 Fungicide sprays) in a season. Good crop hygiene will aid disease control. Imtrade Defend 400 EC Fungicide does not control Late Blight (<i>Phytophthora infestans</i>). If this disease is a problem, mix Imtrade Defend 400 EC Fungicide with an appropriate fungicide for control of this disease and observe the spray interval for that product.</p>

Crop	Disease Controlled	State	Rate/ha	WHP	Critical Comments
Tomatoes	Target Spot ( <i>Alternaria solani</i> )	All States	190 mL or 310 mL	3 days	<p><b>This use is subject to a Fungicide Resistance Management Strategy.</b></p> <p>Use in a protectant program commencing soon after transplanting. Limit the use of Group 3 Fungicide to periods when conditions favour disease development. Apply the 190 mL rate at 7 day intervals and the 310 mL rate at 10 day intervals.</p> <p>Apply no more than 2 consecutive sprays of Imtrade Defend 400 EC Fungicide alone. Then apply a recommended non Group 3 Fungicide or tank mix Imtrade Defend 400 EC Fungicide with a recommended protectant fungicide for at least 1 application before continuing with Imtrade Defend 400 EC Fungicide alone. <b>DO NOT</b> apply more than 6 Imtrade Defend 400 EC Fungicide (or other Group 3 Fungicide sprays in a season. Good crop hygiene will aid disease control.</p>

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

**WITHHOLDING PERIODS (WHP)**

**BANANAS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**  
**CARROTS, POTATOES: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**  
**TOMATOES: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**  
**AVOCADOS, MACADAMIAS: NOT REQUIRED WHEN USED AS DIRECTED**

## RESISTANT WEEDS WARNING

### GROUP 3 FUNGICIDE

Imtrade Defend 400 EC Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Imtrade Defend 400 EC Fungicide is a Group 3 Fungicide. Some naturally occurring individual fungi resistant to Imtrade Defend 400 EC 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 Imtrade Defend 400 EC Fungicide 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, Imtrade Australia Pty Ltd accepts no liability for any losses that may result from the failure of Imtrade Defend 400 EC Fungicide to control resistant fungi.

### MIXING

Add the required amount of Imtrade Defend 400 EC Fungicide directly to the spray tank and mix well.

### APPLICATION

Thorough coverage is essential for effective results. For aerial application use 20 to 30L water/ha. For ground application use at least 100L water/ha.

Macadamia Nuts: Apply by high volume (dilute) sprayer or by concentrate sprayer.

**Dilute spraying:** Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Direction for use table for each 100L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set-up and operation may also need to be changed as the crop grows.

Apply as a coarse spray with low pressure ground equipment. Use sufficient water to obtain thorough uniform coverage.

**Concentrate Spraying:** Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (see Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate can then be calculated in the following way:

**Example Only:**

1. Dilute spray volume as determined above e.g. 2000L/ha.
2. Your chosen concentrate spray volume e.g. 500L/ha.
3. The concentration factor in this example is 4 x (i.e.  $2000L \div 500L = 4$ ).
4. If the dilute label rate is 50 mL/100L, then the concentrate rate becomes 4 x 50, that is 200 mL/100L of concentrate spray.

The chosen spray volume (amount of product per 100L of water) and the sprayer set-up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

**COMPATIBILITY**

Imtrade Defend 400 EC Fungicide is compatible with Monitor\*, Nitofol\*, Rogor\*, Saboteur\*, Supracide\*, Lorsban\*, Pirimor\*, Axe\*, Dominex\*, Ridomil\* MZ formulations, Bravo\*, Barrack\*, Sumisclex\*, Fortress\*, Rovral\*, Corvette\*, Dithane\* M-45, Kendon High K\*, urea, EC formulations of synthetic pyrethroids and organophosphate insecticides and formulations of copper oxychloride.



## **PRECAUTIONS**

### **Re-entry Period**

- **DO NOT** enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.
- After treating Bananas, **DO NOT** allow entry into treated areas until spray has dried for low-exposure activities such as irrigation and scouting, and for 17 days for high-exposure activities such as harvesting, unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.
- After treating Carrots, Potatoes or Tomatoes, **DO NOT** allow entry into treated areas for 1 day for low-exposure activities such as scouting, irrigation and machine-based harvesting, and for 19 days for high-exposure activities such as hand harvesting, pruning and training, unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.
- After treating Macadamias, **DO NOT** allow entry into treated areas for 7 days for low-exposure activities such as scouting, irrigation or machine-based harvesting, and for 26 days for high-exposure activities such as pruning, unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.
- **DO NOT** apply Imtrade Defend 400 EC Fungicide using spraying equipment carried on the back of the user.

### **PROTECTION OF LIVESTOCK**

Low hazard to bees. May be applied to plants any time.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

**Dangerous to aquatic organisms.**

**DO NOT** spray within 5 metres downwind of water bodies.

**DO NOT** apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, water bodies or watercourses.

**DO NOT** contaminate dams, drains, streams, rivers or waterways with the chemical or used containers.

## **STORAGE AND DISPOSAL (1L, 2.5L, 5L, 10L, 20L & 200L only)**

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 500mm 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 and product.

## **Envirodrum - Micro Matic Valve (110L)**

Store the original sealed Envirodrum in a cool, well ventilated area. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase.

## **SAFETY DIRECTIONS**

Harmful if swallowed. Will irritate the skin and damage the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the spray, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and goggles. When using the prepared spray, wear cotton overalls, buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves and goggles. If applying by hand or by airblast, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and goggles. If product on skin, immediately wash area with 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, goggles and contaminated clothing.

## **FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 13 11 26). If swallowed, **DO NOT** induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

### **Additional GHS Hazard & Precautionary Statements**

●May cause respiratory irritation; ●May damage fertility or the unborn child; ●Avoid breathing fumes, mists, vapours or spray; ●**DO NOT** get on clothing; ●**DO NOT** eat, drink or smoke when using this product; ●Use only outdoors or in a well-ventilated area; ●**IF SWALLOWED:** call a POISON CENTRE or doctor if you feel unwell; ●If exposed or concerned: Get medical advice; ●If skin irritation occurs: Get medical advice; ●If eye irritation persists: Get medical advice; ●In case of fire, use carbon dioxide, dry chemical foam, water fog.

### **SAFETY DATA SHEET**

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### **CONDITIONS OF SALE**

Imtrade Australia Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

\*Other Registered Trademarks

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