

# CAUTION

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

## Soprano® Fungicide



ADAMA  
ESSENTIALS

ACTIVE CONSTITUENT: 125 g/L EPOXICONAZOLE

GROUP **3** FUNGICIDE

For the control of leaf rust, stripe rust, septoria nodorum blotch and powdery mildew of wheat, leaf rust, net form of net blotch, leaf scald and powdery mildew of barley and leaf spot and leaf speckle in bananas as per Directions for Use table.

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CONTENTS: 5 L, 10 L, 20 L, 110 L

### DIRECTIONS FOR USE

#### SPRAY DRIFT RESTRAINTS

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in Table 1 below.

Table 1 – No-Spray Zones for Protection of the Aquatic Environment			
<b>FOR AERIAL APPLICATION TO BANANAS</b>			
<b>Wind Speed Range at Time of Application</b>		<b>Downwind Mandatory No-Spray Zone</b>	
From 3 to 20 kilometres per hour		100 metres	
<b>FOR GROUND APPLICATION TO BANANAS</b>			
From 3 to 20 kilometres per hour		20 metres	
<b>FOR GROUND and AERIAL APPLICATION TO WHEAT AND BARLEY</b>			
From 3 to 20 kilometres per hour		30 metres	
CROP	DISEASE	RATE/HA	CRITICAL COMMENTS
Wheat	Leaf Rust ( <i>Puccinia recondita</i> )	500 mL plus 200 mL Wetspray® 1000 per 100 L of spray mix	Apply when conditions favour disease development and prior to development of disease in the crop. Aim to apply between stem elongation and ear emergence complete (ZGS 32-59) if disease is present. DO NOT apply later than ZGS 59.
	Stripe Rust ( <i>Puccinia striiformis</i> ), Septoria Nodorum Blotch ( <i>Phaeosphaeria nodorum</i> )	250 to 500 mL plus 200 mL Wetspray® 1000 per 100 L of spray mix	Apply when conditions favour disease development and prior to development of disease in the crop. Aim to apply between stem elongation and ear emergence complete (ZGS 32-59) if disease is present. DO NOT apply later than ZGS 59. Apply the higher rate when disease is present on the top leaf or conditions are favourable for disease development at these stages of crop development. Repeat spraying may be required, particularly if infection occurs early. Regularly monitor crops from 3-4 weeks after the first application for signs of re-infection.
	Powdery Mildew ( <i>Blumeria graminis</i> f.sp. <i>tritici</i> )	250 mL plus 200 mL Wetspray® 1000 per 100 L of spray mix	Apply when conditions favour disease development and prior to development of disease in the crop. Aim to apply during early tillering (ZGS 21-22) stage of the crop if disease is present. DO NOT apply later than ZGS 59. Repeat spraying may be required, particularly if infection pressure persists. Regularly monitor crops from 3-4 weeks after the first application for signs of re-infection.

CROP	DISEASE	RATE/HA	CRITICAL COMMENTS
Barley			<b>DO NOT exceed a total rate of 500 mL/ha SOPRANO in a growing season.</b>
	Leaf Rust ( <i>Puccinia hordei</i> )	250 to 500 mL plus 200 mL Wetspray® 1000 per 100 L of spray mix	Apply when conditions favour disease development and prior to development of disease in the crop. Aim to apply between stem elongation and ear emergence complete (ZGS 32-59) if disease is present. DO NOT apply later than ZGS 59. Apply the higher rate when disease is present on the top leaf or conditions are favourable for disease development at these stages of crop development.
	Net form of Net Blotch ( <i>Pyrenophora teres</i> f.sp. <i>teres</i> )	250 to 500 mL plus 200 mL Wetspray® 1000 per 100 L of spray mix	Apply when conditions favour disease development and prior to development of disease in the crop. Aim to apply between stem elongation and ear emergence complete (ZGS 32-59) if disease is present. DO NOT apply later than ZGS 59. Two applications of SOPRANO at the lower rate may provide better control than a single application under certain conditions. If applying a two spray program, only apply 250 mL/ha per application, with the first application at ZGS 31-32 if the disease is present. Aim to apply the second application around ZGS 37-39, but no later than ZGS 59, if infection pressure persists. DO NOT exceed a total rate of 500 mL/ha of SOPRANO in barley per growing season.
Bananas (bagged)	Leaf Scald ( <i>Rynchosporium secalis</i> ), Powdery Mildew ( <i>Blumeria graminis</i> f.sp. <i>hordei</i> )	250 mL plus 200 mL Wetspray® 1000 per 100 L of spray mix	Apply when conditions favour disease development and prior to development of disease in the crop. Aim to apply between early tillering and flag leaf emergence (ZGS 32-59) if disease is present. DO NOT apply later than ZGS 59. Repeat spraying may be required, particularly if infection pressure persists. Regularly monitor the crop from 3-4 weeks after the first application for signs of re-infection. DO NOT exceed a total rate of 500 mL/ha of SOPRANO in barley per growing season.
	Leaf Spot (Yellow Sigatoka) ( <i>Mycosphaerella musicola</i> ), Leaf Speckle ( <i>Mycosphaerella musae</i> )	600 mL + 5 L of a water miscible spraying oil	DO NOT use on bananas unless bunch covers are in place. <b>Tropical areas (north Qld, NT, WA):</b> Apply a regular protectant program. When conditions favour disease development, apply a maximum of 2 consecutive sprays of SOPRANO at 14 to 21 day intervals, before switching to a fungicide from an alternative activity group. DO NOT apply more than 6 sprays of Group 3 Fungicides in any 12-month period. DO NOT Apply SOPRANO during the months of July, August or September. <b>Sub-tropical areas (south Qld, NSW):</b> Commence spraying with SOPRANO at the onset of wet/humid conditions. Apply a maximum of 2 consecutive sprays at 21 to 28 day intervals before changing to a fungicide from an alternative activity group. DO NOT apply more than 5 sprays of Group 3 Fungicides in any 12-month period.

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

**WITHHOLDING PERIODS:**

**WHEAT, BARLEY:** DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.  
DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 6 WEEKS AFTER APPLICATION.

**BANANAS (BAGGED):** DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

## GENERAL INSTRUCTIONS

SOPRANO® Fungicide is a broad spectrum contact and systemic fungicide. It is taken up via the stem and foliage and is translocated upwards and outwards to provide protection to new growth. Thorough coverage of the crop is necessary for best results.

**Wheat, Barley:** Check the crop regularly for any symptoms of disease infection. Apply as soon as disease is present on the flag leaf or flag-2. Application beyond flag leaf emergence (ZGS 39) may not provide any yield benefit, particularly under dry seasonal conditions.

## MIXING

SOPRANO is a suspension concentrate formulation. Add the product to the half filled spray tank while agitating. Continue to agitate while topping up the tank and during spraying.

## APPLICATION

### Cereals

**Ground Application:** Apply in a water volume of between 50 and 100 L/ha, using flat fan nozzles operating at around 50 cm above the top of the crop. Use the higher water volume in crops with heavier canopies.

**Aerial Application:** Apply with suitable aircraft, set up and operated to apply fungicides to cereal crops in a minimum water volume of 20 L/ha.

### Bananas

**Ground Application:** Apply by misting machine, in a minimum application volume of 200 L/ha.

**Aerial Application:** Apply in a minimum application volume of 30 L/ha.

## COMPATIBILITY

For information on compatibility please contact your local reseller or Adama representative.

## FUNGICIDE RESISTANCE WARNING

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

GROUP **3** FUNGICIDE

## PRECAUTIONS

DO NOT use human flaggers/markers unless they are protected by engineering controls such as controlled cabs.

**Re-entry period:** DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

## CAUTION

### Export of treated produce

Growers should note that Maximum Residue Limits (MRLs) or import tolerances do not exist in all markets for produce treated with SOPRANO. Additionally, some export markets have established MRLs different to those in Australia. If you are growing produce for export, please check with Adama Australia Pty. Ltd. or your produce exporter for the latest information on MRLs and import tolerances BEFORE using SOPRANO.

### LIVESTOCK DESTINED FOR EXPORT MARKETS

The grazing withholding period only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that in addition to complying with the grazing withholding period, the Export Slaughter Interval is observed before stock are sold or slaughtered.

### EXPORT SLAUGHTER INTERVAL (ESI)

AFTER OBSERVING THE WITHHOLDING PERIOD FOR GRAZING OR CUTTING FOR STOCKFOOD, LIVESTOCK THAT HAVE BEEN GRAZED ON OR FED TREATED CROPS SHOULD BE PLACED ON CLEAN FEED FOR 3 DAYS PRIOR TO SLAUGHTER.

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray under weather conditions or from spraying equipment that may cause spray to drift over nearby susceptible plants or crops, cropping lands or pastures.

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

Highly toxic to aquatic organisms. DO NOT apply SOPRANO aerially to waterbodies, watercourses or wetlands. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

## STORAGE AND DISPOSAL

Store in the closed, original container in a well-ventilated area as cool as possible, out of direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse container before disposal. Add rinsings to spray tank. Dispose of the rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced but may be taken separately. 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.

**Envirodrum Micro Matic Valve (110 L):** 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 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 Envirodrum to the point of purchase. The Envirodrum remains the property of Adama Australia Pty. Ltd.

## SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will irritate the eyes, nose and throat and skin. Avoid contact with eyes and skin. DO NOT inhale vapours. If product on skin, immediately wash area with soap and water. Wash hands after use. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and halfpiece respirator. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat. After each day's use, wash gloves, respirator and if rubber, wash with warm water. Wash contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

## MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for SOPRANO is available from Adama on request. Call Customer Service on (02) 9431 7800.

**CONDITIONS OF SALE:** The use of SOPRANO® Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia Pty. Ltd., regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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## NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

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Batch No.

Date of Manufacture