



CAUTION

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

Nufarm

Opera®

Fungicide

ACTIVE CONSTITUENTS: 85 g/L PYRACLOSTROBIN
62.5 g/L EPOXICONAZOLE

GROUP **3 | 11** FUNGICIDE

For the control of a broad range of fungal diseases in Wheat, Barley and Oat/Oaten hay as per the DIRECTIONS FOR USE table.

READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.

© Opera is a registered trademark of BASF used under licence by Nufarm Australia Limited

nufarm.com.au

APVMA Approval No.: 65876/52210

DIRECTIONS FOR USE

RESTRAINTS:

DO NOT apply more than two applications of Opera (or any other strobilurin or Group 11 fungicide) in any one season on the same paddock.

SPRAY DRIFT RESTRAINTS

DO NOT apply when wind speed is less than 3 or more than 20 kilometers per hour at the application site.

DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to ASAE S572 standard or the BCPC guideline.

DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and KEEP this record for a minimum of 2 years. The spray application details that must be recorded are: 1. Date with start and finish times of application; 2. Location address and paddock/s sprayed; 3. Full name of this product; 4. Amount of product used per hectare and number of hectares applied to; 5. Crop/situation and weed/pest; 6. Wind speed and direction during application; 7. Air temperature and humidity; 8. Nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; 9. Name and address of person applying this product. (Additional record details may be required by the State or territory where this product is used.)

MANDATORY NO-SPRAY ZONES

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		
FOR AERIAL APPLICATION		
Wind Speed Range at Time of Application	Downwind Mandatory No-Spray Zone	
	Fixed-Wing	Helicopter
from 3 to 8 kilometres per hour	400 meters	250 meters
from 8 to 14 kilometres per hour	650 meters	350 meters
from 14 to 20 kilometres per hour	800 meters	450 meters
FOR GROUND APPLICATION		
from 3 to 20 kilometres per hour	40 meters	

DO NOT apply if there are livestock, pasture or any land that is producing feed for livestock downwind from the application area and within the mandatory no-spray zones shown in Table 2 below.

Table 2 – No-Spray Zones for Protection of International Trade	
FOR AERIAL APPLICATION	
Wind Speed Range at Time of Application	Downwind Mandatory No-Spray Zone
from 3 to 8 kilometres per hour	160 meters
from 9 to 20 kilometres per hour	180 meters
FOR GROUND APPLICATION	
from 3 to 20 kilometres per hour	10 meters

CROP	DISEASE	RATE	CRITICAL COMMENTS
Wheat	Leaf rust (<i>Puccinia recondita</i>)	500-1000mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. Apply at the higher rate when disease pressure is high. Apply a maximum of 1000mL/ha/crop when applying by air. DO NOT apply later than Z59 as yield responses are unlikely
	Stripe rust (<i>Puccinia striiformis</i>) Stem rust (<i>Puccinia graminis</i> f.sp. <i>tritici</i>) Septoria nodorum blotch (<i>Phaeosphaeria nodorum</i>)	500mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. Repeat spraying may be required, particularly if infection occurs early. Regularly monitor the crop from 3-4 weeks after the first application for signs of re-infection. DO NOT apply later than Z59 as yield responses are unlikely.
	Powdery mildew (<i>Blumeria graminis</i> f.sp. <i>tritici</i>)	500mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. 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 apply later than Z59 as yield responses are unlikely.
Barley	Leaf rust (<i>Puccinia hordei</i>)	500mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. DO NOT apply later than Z59 as yield responses are unlikely.
	Spot form of net blotch (<i>Pyrenophora teres</i> f. sp. <i>maculata</i>) Net form of net blotch (<i>Pyrenophora teres</i> f. sp. <i>teres</i>)	500-1000mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. Use the higher rate when disease pressure is high. Apply a maximum of 1000mL/ha/crop when applying by air. DO NOT apply later than Z59 as yield responses are unlikely.
	Leaf scald (<i>Rynchosporium secalis</i>)	500mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. 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 apply later than Z59 as yield responses are unlikely.
	Powdery mildew (<i>Blumeria graminis</i> f. sp. <i>hordei</i>)	500-1000mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. Use the higher rate when disease pressure is high. Apply a maximum of 1000mL/ha/crop when applying by air. Repeat spraying may be required, particularly if the low rate is used and infection pressure persists. Regularly monitor the crop from 3-4 weeks after the first application for signs of re-infection. DO NOT apply later than Z59 as yield responses are unlikely.

CROP	DISEASE	RATE	CRITICAL COMMENTS
Oats & Oaten Hay	Septoria leaf blotch (<i>Phaeosphaeria avenaria</i>)	500mL/ha	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and completion of flag leaf emergence (Z32-41) if disease is present or conditions favour disease development. Repeat spraying may be required, particularly if infection occurs early. Regularly monitor the crop from 3-4 weeks after the first application for signs of re-infection. DO NOT apply later than Z59 as yield responses are unlikely.

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

WITHHOLDING PERIODS:

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 3 WEEKS AFTER APPLICATION.

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

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 GRAZED ON OR BEEN FED TREATED CROPS SHOULD BE PLACED ON CLEAN FEED FOR 3 DAYS PRIOR TO SLAUGHTER.

GENERAL INSTRUCTIONS:

Nufarm Opera 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.

Check the crop regularly for any symptoms of disease infection. Apply as soon as disease is present as indicated in the Directions for Use.

FUNGICIDE RESISTANCE WARNING

GROUP 3 | 11 FUNGICIDE

Nufarm Opera Fungicide is a member of the DMI and strobilurin groups of fungicides. For fungicide resistance management the product is a Group 3 and Group 11 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 3 and Group 11 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 or Group 11 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, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

MIXING

Nufarm Opera Fungicide is a suspo-emulsion formulation. The addition of a non-ionic surfactant at recommended rates may assist in providing better coverage of sprayed surfaces.

Add the product to the half filled spray tank while agitating. Continue to agitate while topping up the tank and during spraying.

APPLICATION

Ground Application

Apply in a water volume of between 80 and 100L/ha, using flat fan nozzles operating at around 50cm above the top of the crop. Use the higher water volume in crops with heavier canopies.

Aerial Application

Opera should be applied in a spray volume of 20 to 30L/ha and the aircraft calibrated to provide maximum coverage using MEDIUM droplet size to minimize off-target drift.

RE-ENTRY PERIOD

DO NOT allow entry into treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NONTARGET PLANTS

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

PROTECTION OF WILDLIFE, FISH CRUSTACEA AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate streams, rivers, wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well-ventilated area out of 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 to an approved waste management facility. If an approved waste management facility is not available bury 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 or product.

For refillable containers

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. May irritate the nose and throat. May irritate the skin. Will irritate the eyes. Repeated exposure may cause allergic disorders. Avoid inhaling vapour or spray mist. Avoid contact with eyes and skin. Repeated minor exposure may have a cumulative poisoning effect. When opening the container, mixing and loading and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and washable hat and elbow-length chemical resistant gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or 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.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from your supplier or from the Nufarm website – www.nufarm.com.au

In case of emergency: Phone 1800 033 498 Ask for shift supervisor. Toll free 24 hours.

CONDITIONS OF SALE

"Any provisions or rights under the Trade Practices Act 1974 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

Nufarm Australia Limited
ACN 004 377 780
103-105 Pipe Road
Laverton North Victoria 3026
Tel: (03) 9282 1000
Fax: (03) 9282 1001

© Opera is a registered trademark of BASF used under licence by Nufarm Australia Limited

* Other registered trademarks