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READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Xivana[®] Prime 20 SC

FUNGICIDE

ACTIVE CONSTITUENT: 20 g/L FLUOXAPIPROLIN

GROUP 49 FUNGICIDE

For the control of downy mildew in grapes as specified in the DIRECTIONS FOR USE table

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply with aircraft.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between three and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer.

DO NOT apply by a vertical sprayer unless the following requirements are met:

- Spray is not directed above the target canopy.
- The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.



DIRECTIONS FOR USE TABLE

CROP	DISEASE	RATE	CRITICAL COMMENTS
Grapevines	Downy mildew (<i>Plasmopara viticola</i>)	<p>Dilute spraying 37.5-50 mL/100 L water plus adjuvant</p> <p>Concentrate spraying Refer to the Application section in GENERAL INSTRUCTIONS</p>	<p>Apply as part of a preventative spray program. Start applications from 10 cm shoots onwards. Repeat the application 10-21 days later. DO NOT apply the last application of Xivana later than pre-bunch closure. Use the shorter interval and higher use rate during periods of rapid growth and/or when conditions are conducive to disease development.</p> <p>Apply a maximum of 2 applications of Xivana Prime per season.</p> <p>Apply thoroughly to ensure complete coverage of all leaves and fruit. Apply by dilute or concentrate spraying equipment. Use a sufficient amount of water and/or adequate equipment to ensure penetration of the canopy and coverage of the leaves, flowers and bunches. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than three times the dilute spraying rate (i.e. at a concentration factor greater than 3X) – refer “Application” section in GENERAL INSTRUCTIONS.</p> <p>For an appropriate adjuvant refer to GENERAL INSTRUCTIONS.</p> <p>Resistance management It is recommended that Xivana be applied with a registered downy mildew protectant fungicide from a different mode of action group applied at registered rates for resistance management purposes. This use is subject to a CropLife Australia Resistance Management Strategy. Refer to www.croplife.org.au for more information.</p>

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

WITHHOLDING PERIOD

Harvest

Grapes: NOT REQUIRED WHEN USED AS DIRECTED

Grazing

Grapes: DO NOT GRAZE LIVESTOCK IN TREATED VINEYARDS

EXPORT OF TREATED PRODUCE

Growers should note that suitable MRLs or import tolerances may not exist in all markets for produce treated with Xivana Prime 20 SC Fungicide. If you are growing produce for export, please check with Bayer Crop Science for the latest information on MRLs and import tolerances and for advice on any potential trade issues and their management.

Grapes for wine intended for export: For the latest information consult with Bayer Crop Science, your winery or the Australian Wine Research Institute (AWRI) before using Xivana Prime in grapes which may be used to make wine for export.



GENERAL INSTRUCTIONS

Mixing

Shake well before use. Half fill the spray tank with water. Pour in the required quantity of Xivana Prime 20 SC Fungicide with agitators running, then top up with water. Use spray mixture immediately after preparation, do not allow it to stand.

Application

Application should be by vertical sprayer or back pack sprayer equipment only. Thorough coverage of the target area is essential. Apply in sufficient water and use suitable application equipment to ensure thorough and even coverage of leaves and fruit. Adjust water volumes according to the crop growth stage.

Dilute spraying

- Use a sprayer designed to apply high spray volumes, 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 spray volume to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume to achieve point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other expert advice.
- Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off.
- The required dilute spray volume to achieve point of run-off will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate spraying

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies spray 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 spray 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 spraying can then be calculated in the following way:

EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1500 L/ha
 2. Your chosen concentrate spray volume: For example 500 L/ha
 3. The concentration factor in this example is 3X (i.e. $1500\text{ L} \div 500\text{ L} = 3$)
 4. If the dilute label rate is 37.5 mL/100 L, then the concentrate rate becomes 3×37.5 , that is 112.5 mL/100 L of concentrate spray.
- The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
 - Do not use at a concentration factor greater than 3X (e.g. at a rate higher than 150 mL/100 L where a dilute spraying rate of 50 mL/100 L is specified).
 - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Adjuvant

Apply Xivana Prime with a spray adjuvant such as Maxx™, Pulse® Penetrant or Hasten®. Apply the adjuvant at the recommended label rate. For alternative adjuvants, please contact Bayer Crop Science for more information.

Sprayer clean up

If clean up of spray equipment is required, rinse equipment twice with clean water after use.

FUNGICIDE RESISTANCE WARNING

GROUP	49	FUNGICIDE
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Xivana Prime 20 SC Fungicide is a member of the piperidiny l thiazole isooxazoline group of fungicides. For fungicide resistance management the product is a Group 49 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 49 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 49 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, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from failure of this product to control resistant fungi.

Xivana Prime may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer Crop Science representative, local agricultural department agronomist or refer to the CropLife Australia website.

COMPATIBILITY

For information on the compatibility of Xivana Prime with other products, contact your local Bayer Crop Science representative.

PRECAUTIONS

Re-entry period

DO NOT enter 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 WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or watercourses with this product or used containers.

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 designation 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 specially 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. Do not re-use empty container for any other purpose.

SAFETY DIRECTIONS

May irritate the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID INSTRUCTIONS

First aid is not generally required. If in doubt, contact a Poisons Information Centre (phone Australia 13 11 26) or a doctor.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from www.crop.bayer.com.au.

EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

Xivana® is a Registered Trademark of the Bayer Group.

APVMA Approval No.: 89997/126975

FOR 24 HOUR SPECIALIST ADVICE IN
EMERGENCY ONLY
PHONE 1800 033 111



GHS STATEMENTS

- May cause an allergic skin reaction.**
- Avoid breathing spray mist. •IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.