

WARNING
KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE

Zampro®

Contains 300 g/litre ametoctradin and 225 g/litre dimethomorph
in the form of a suspension concentrate

GROUP 40 | 45 FUNGICIDE

A systemic and protectant fungicide for the control of
downy mildew in onions and late blight in potatoes

Contents: 5L



Registered to and distributed by:

BASF New Zealand Limited

NZBN 9429032151299

P.O. Box 407, Auckland 1140

Phone: 0800 932 273

crop-solutions.basf.co.nz



WARNING

Harmful if swallowed. May cause damage to organs (liver) through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects. Hazardous to terrestrial vertebrates.

PRECAUTIONS

HANDLING: To avoid risks to man and the environment, comply with instructions for use.

STORAGE: Store in the closed, original container in a dry, well-ventilated area, as cool as possible, away from food and feedstuffs. DO NOT store in direct sunlight. Stores containing 1000 litres or more of this product require emergency response plans and are subject to signage.

SPILLAGE: Prevent further spillage and product from entering waterways. Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers labeled for disposal. Wash affected area (hard surface) with water and detergent. Absorb and collect washings and place in the same sealable container as the spilled material. Dispose of the waste safely in suitable landfill. Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before reuse.

PERSONAL PROTECTION: Applicators and other handlers should wear cotton overalls buttoned to the neck and wrist, a washable hat and suitable gloves.

GENERAL SAFETY AND HYGIENE MEASURES: Avoid contact with eyes, skin or clothing. Do not breathe spray mist. DO NOT eat, drink or smoke while using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing after each day's use. Store work clothing separately.

USE AND ENVIRONMENTAL PROTECTION: Apply with well-maintained and accurately calibrated equipment. DO NOT apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Clean out application equipment thoroughly after use. Dispose of equipment wash waters on suitable ground away from surface water and crops. DO NOT contaminate surface or ground water by cleaning of equipment or disposing of equipment wash waters or rinsate. Harmful to terrestrial vertebrates.

RE-ENTRY PERIOD: DO NOT allow entry into treated areas during the restricted-entry interval (REI) of 24 hours. When prior entry is necessary for work, wear protective clothing as indicated above.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

DISPOSAL: Container: Ensure container is completely empty. Triple rinse empty container and add residue to the spray tank. Recycle through Agrecovery (0800 247 326, www.agrecovery.co.nz). Product: Dispose of this product only by using according to the label or at an approved landfill. DO NOT burn product. DO NOT contaminate surface water with chemical or empty container. DO NOT reuse this container for any other purpose.

FIRST AID

If medical advice is needed, have product container or label at hand. IF SWALLOWED: Call the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor if you feel unwell. Rinse mouth. Get medical advice if you feel unwell. For advice, contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.

CONDITIONS OF SUPPLY

Read conditions of supply before buying and using. If these conditions are unacceptable, return at once unopened. All goods supplied by BASF New Zealand Limited are of a high grade and conform to the chemical description of the label. However, to the extent permitted by law, neither BASF nor any of its Distributors accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with the supply of those goods including without limitation their storage, application, handling or use. BASF nor any of its Distributors, make no warranties of any kind, express or implied, with respect to fitness for purpose (including crop injury, ineffectiveness or any other unintended consequence), merchantable quality or any other matter with respect to these goods. When you are a consumer as defined in the Consumer Guarantees Act 1993 (the "Act") these conditions will be subject to the provisions of the Act. However, the Act will not apply to goods supplied to you for business purposes.

Registered pursuant to the ACVM Act 1997, No. P8177

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Code HSR100709

See www.epa.govt.nz for approval controls

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EMERGENCY PHONELINK

24 Hour Advice in an Emergency Only

0800 944 955



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GENERAL INFORMATION

ZAMPRO is an Oomycete fungicide, which has protectant and anti-sporulant activity against downy mildew in onions and late blight in potatoes. Preventive applications optimize disease control. To maximize disease control, apply ZAMPRO in a regularly scheduled protective spray program and use in a rotation program with other fungicides.

RESISTANCE MANAGEMENT

ZAMPRO contains ametoctradin, a triazolo-pyrimidylamine fungicide from the QoSI (Quinone outside inhibitor, staigatellin binding type) mode of action group **Group 45 Fungicide**, and dimethomorph, a cinnamic acid derivative fungicide from the Carboxylic Acid Amides (CAA) mode of action group **Group 40 Fungicide**. Resistance to this fungicide could develop from excessive use. To minimise this risk use strictly in accordance with the label instructions and resistance management strategies that exist for any fungus listed on the label. ZAMPRO should be used in a programme that incorporates fungicides with different modes of action to QoSI and CAA fungicides. To maintain the performance of ZAMPRO in the field, DO NOT exceed the total number of applications of ZAMPRO per season or the total number of consecutive applications stated in the Directions for Use. Refer to the NZCPR web site < www.resistance.nzpps.org > for more detailed information.

DIRECTIONS FOR USE

Restraints:

EPA Restrictions:

The maximum application rate is 0.8 L/ha (equivalent to 240g ametoctradin/ha and 180g dimethomorph/ha) with a maximum application frequency of 4 times per year and with a minimum application interval of 7 days.

It is an offence to use this product on animals.

The rates recommended are for high volume spraying to the point of run off. For concentrate spraying adjust dilution rate accordingly. DO NOT apply in less than 200 litres of water per hectare. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance.

Crop	Disease	Rate	Remarks
Onions	Downy mildew (<i>Peronospora destructor</i>)	800 ml/ha in 200 to 500 litres of water per hectare	<p>Apply on a 7-10 day schedule in a protectant programme alternating with fungicides with different modes of action such as mancozeb. Use the shorter interval when heavy infection pressure occurs. Apply spray to obtain thorough and complete plant coverage.</p> <p><i>Resistance Management</i></p> <p>To limit the potential for development of resistance use no more than four (4) applications of ZAMPRO per season.</p> <p>DO NOT make more than three (3) consecutive applications of ZAMPRO before alternating to a labelled fungicide with a different mode of action such as mancozeb.</p>



Potatoes	Late blight (<i>Phytophthora infestans</i>)	800 ml/ha in 200 to 500 litres of water per hectare	<p>Begin applications of ZAMPRO prior to disease development and continue on a 7-14 day schedule in a protectant programme alternating with fungicides with different modes of action such as mancozeb. Use the shorter 7-10 day interval when heavy infection pressure occurs and the 10-14 day interval when pressure is low. Apply spray to obtain thorough and complete plant coverage.</p> <p>ZAMPRO has no efficacy against early blight (<i>Alternaria solani</i>). For the control of this disease add a suitable fungicide such as mancozeb or difenoconazole at label rates.</p> <p><i>Resistance Management</i></p> <p>To limit the potential for development of resistance use no more than four (4) applications of ZAMPRO per season. DO NOT make more than three (3) consecutive applications of ZAMPRO before alternating to a labelled fungicide with a different mode of action such as mancozeb.</p>
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Withholding Periods

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Onions and Potatoes: DO NOT apply later than 14 days before harvest.

Adjuvants

Always apply ZAMPRO with a suitable spreading/penetrating adjuvant such as Hasten™ at 0.5% v/v (500 ml /100 litres water) to improve disease control performance.

Compatibility

ZAMPRO can be mixed with most commonly used fungicides and insecticides.

Mixing

Fill the spray tank 3/4 full with clean water and then, with the agitators running, pour in the required quantity of ZAMPRO and top up with water. Maintain constant agitation throughout mixing and application.

Application

Ensure that spray equipment is properly calibrated. Complete spray coverage is essential for consistent disease control with any fungicide. Forward speeds should be sufficiently slow to ensure thorough spray coverage of the crop being treated.

Rainfastness

ZAMPRO is rainfast in 1 hour, providing application has been made to dry foliage and the spray has dried on the leaf.