

**IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.**

**DIRECTIONS FOR USE:** The rates suggested are for high volume spraying to run-off. For concentrate spraying, adjust dilution rate accordingly. Do not apply in less than 200 litres of water per hectare.

Crop	Disease	Rate	Critical Comments
Grapes	Downy mildew ( <i>Plasmopara viticola</i> )	36ml/100 litres of water (360mls/ha) + a suitable protectant fungicide at label rates	Apply in a minimum 1000 litres water per hectare. Apply at 14 day intervals from when shoots are 5-10 cm.
Lettuce	Downy mildew ( <i>Bremia lactucae</i> )	360mls/ha + a suitable protectant fungicide at label rates	Maintain a regular protectant programme. Apply SOVRIN FLO at 7 to 10 day intervals when conditions favour disease development but before the disease is evident. Apply two consecutive sprays of SOVRIN FLO 7 to 10 days apart, and then change to a fungicide from another chemical group. Use the shorter interval when conditions favouring infection are creating a high risk of disease. Apply in 500-750 litres of water per hectare. Use a surfactant at labelled rates.
Onions	Downy mildew ( <i>Peronospora destructor</i> )	360mls/ha + a suitable protectant fungicide at label rates	Apply in 500-750 litres of water per hectare. Apply at 10 day intervals during periods of active growth or when high humidity conditions favour the disease. Use a surfactant at labelled rates.
Potatoes	Early blight ( <i>Alternaria solani</i> ) Late Blight ( <i>Phytophthora infestans</i> )	360mls/ha + a suitable protectant fungicide at label rates	Apply as a foliar spray to run-off when the crop has fully emerged but before any sign of disease and repeat at 10-14 day intervals. Use the closer interval when conditions favour the disease, especially during favourable growth conditions in the period prior to flowering. Use a surfactant at labelled rates.

**Resistance Management:** SOVRIN FLO is a **GROUP 40 FUNGICIDE** from the Carboxylic acid amide (CAA) fungicide group. Resistance to this fungicide and related CAA fungicides could develop in some disease situations from repeated use. To minimise this risk, use strictly in accordance with the label instructions. Under high disease pressure, apply two close interval applications of SOVRIN FLO, followed by applications of either protectant fungicides or fungicides from another chemical group. To minimise the development of resistant disease strains, do not apply more than four applications of SOVRIN FLO to any one crop and alternate with alternative chemistry. **IT IS AN OFFENCE FOR USERS OF THIS PRODUCT TO CAUSE RESIDUES EXCEEDING THE RELEVANT MRL IN THE NEW ZEALAND (MAXIMUM RESIDUE LIMITS OF AGRICULTURAL COMPOUNDS) FOOD STANDARDS.**

**Withholding Periods:** On grapes, lettuce, onions and potatoes do not apply later than 14 days before harvest.

**Mixing:** Half fill the spray tank with water then, with the agitators running, pour in the required quantity of SOVRIN FLO and top up with water. Ensure that it is thoroughly mixed in the spray tank and the water level is over two thirds full before adding a surfactant at label rates. Agitation is required during spraying and after a stoppage.

**Application:** Ensure the 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. For specified crops do not apply less than the recommended label rate of SOVRIN FLO. Use a surfactant at label rates.

**Compatibility:** Do NOT mix with strongly alkaline or acidic materials. If compatibility is in question use the compatibility jar test before mixing a whole tank. For further information, consult your supplier.



UN 3082. Class: 9, PGIII. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIMETHOMORPH). Do not carry this product on a passenger service vehicle.

**WARNING**  
KEEP OUT OF REACH OF CHILDREN

**Sovrin® FLO**

A fungicide for the control of downy mildew on grapes, lettuce and onions, and early and late blight on potatoes.

Active Ingredient: Contains 500g/litre dimethomorph in the form of a suspension concentrate.

**GROUP 40 FUNGICIDE**

Registered pursuant to the ACVM Act 1997 No. P7475  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
HSNO Classifications: 6.9B, 9.1B

In a transport emergency dial 111, Police or Fire Brigade.  
**For specialist advice in an emergency only call:  
0800 734 607 (24 hours).**



Net Contents: 5 litres



**READ LABEL BEFORE USE**



**WARNING:** May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

**SAFETY DIRECTIONS:** Read label before use. Do not breathe fumes, vapours or spray. Avoid release to the environment. Keep out of reach of children. Avoid contact with eyes and skin. Avoid inhalation of spray mist. When opening the container and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow length PVC gloves. Do not eat, drink or smoke while using. Remove protective clothing and wash hands, face and exposed skin thoroughly before meals and after work. After each day's use, wash gloves and contaminated clothing.

**HANDLING PRECAUTIONS:** Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.

**STORAGE:** Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications, storage must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed. See Safety Data Sheet for further information.

**Container Disposal:** Triple rinse containers and add residue to spray tank. Return empty containers to an AgRecovery depot for disposal. Avoid contamination of any water supply with chemical or empty container.



**FIRST AID:** If swallowed, do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Do not scrub the skin. If splashed in eyes, wash out immediately with water. Get medical advice/attention if you feel unwell. Collect spillage.

**SPILLS:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

**GENERAL INFORMATION:** SOVRIN FLO is a morpholine fungicide, which has protectant and anti-sporulant activity against downy mildew on grapes, lettuce and onions, and late blight on potatoes. Dimethomorph - the active ingredient in SOVRIN FLO - has a unique mode of action with systemic, penetrant and curative properties. Dimethomorph is systematically translocated upwards in the plant and is translaminar with local systemicity when applied to the foliage. SOVRIN FLO should always be used as part of a protective spray programme and applied before disease symptoms appear. To prevent or delay the development of strains of disease fungi resistant to dimethomorph, it is recommended that this product be used in spray programmes including fungicides with different modes of action. Refer to the Critical Comments section of this label.

**Notice to Buyer:** Careful tests have proved that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use of product are beyond our control, we do not therefore accept any liability for damage or loss of efficacy which may result from the use of this product, whether used in accordance with the directions or not. We are liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.

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Batch number and manufacturing date: See on packaging

