

Melody[®] DUO WG 69

General information

Melody[®] Duo WG 69 is a combination of two fungicides - *Propineb* 600g/kg and *Iprovalicarb* 90g/kg for the control of downy mildew in ornamentals. The two active ingredients have complimentary modes of action.

Mode of action

Iprovalicarb

- Iprovalicarb is a systemic fungicide with protective, curative and eradivative properties against downy mildew in ornamentals.
- Iprovalicarb is distributed very quickly and evenly in the tissue after being taken up into the plant. However, most of the active substance remains on the plant surface after spraying and protects the plant from new infections.

Propineb

- Propineb interferes at different locations in the metabolism of the fungi. This multi-site mode of action prevents resistance development.
- Propineb is a protective fungicide that is well distributed and adheres on to the plant surface, but does not penetrate inside the plant tissues.



Melody[®] Duo Behaviour

- After spray application of Melody[®] Duo WG 69 only a small part of the active ingredient crosses the cuticle. The remaining active ingredient is responsible for the strong protective properties of Melody[®] Duo WG 69.
- After penetration iprovalicarb is evenly distributed in acropetal and translaminar direction.
- Degradation of iprovalicarb on and in the plant is slow and dilution of the active ingredient in the plant tissue is as a result of plant growth.
- When Melody[®] Duo WG 69 is used in several successive sprays, a very high level of activity is guaranteed even under strong infection pressure because of the protection from within the plant tissues by Iprovalicarb.

Resistance Management

- New mode of action.
- No cross resistance with existing specific Downy mildew compounds.
- Do not apply Melody[®] Duo WG 69 more than 5 times per crop cycle.
- A spray program or alternations with registered products of other chemical groups with different mode of action may delay resistance build up.



Additional Benefits

- Very favorable mammalian toxicity.
- Melody[®] Duo WG 69 is safe to non-target organisms when used as recommended
- Melody[®] Duo WG 69 is quickly and thoroughly degraded in the environment.
- Due to the Propineb component Melody[®] Duo WG 69 is able to suppress mites.
- Melody[®] Duo WG 69 does not leave visible physical spray residue on the flowers.

Application

- Apply as a preventive spray during weather conditions favourable for the disease development.
- Interval between applications : 7-10 days
- Recommended rate: 2.25kg/ha
- Thorough even coverage of upper and lower leaf surfaces is essential.
- The volume of the spray to be used should be sufficient to give a high level of penetration and wetting of the foliage.



Directions for use:

Crop	Disease	Application rate	Timing of application
Ornamentals (Roses)	Downy mildew	2.25kg/ha or 45g/20 litres of water	Apply as an early preventive spray. Repeat at 7-10 day intervals

NB. The rates are based on water volume of 1,000 litres per hectare

Note: As different species and varieties of ornamentals may differ in their sensitivity to pesticides, users are advised to always check for the crop tolerance by first treating a few plants before large scale application is undertaken.

Re-entry period

As a general rule, treated areas should not be entered before spray deposits on leaf surface have dried, unless protective clothing is worn.

Product compatibility

Melody® Duo WG 69 is compatible with most Bayer insecticides and fungicides. Mixtures with products having an alkaline pH must be sprayed immediately after preparation of the tank mix.

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NOTE: PESTICIDE USERS ARE REMINDED TO READ AND FOLLOW THE INSTRUCTIONS ON THE PRODUCT LABEL FOR DETAILS OF PESTICIDE USE BEFORE APPLICATION AT ALL TIMES.

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