

Isarid

Insecticide best practices

What it is

Isarid is a bioinsecticide containing active ingredient *Isaria fumosorosea* strain FE9901.

Targets

Most effective against thrips, whitefly, and aphids (see label for full list).

Mode of action

Fungi colonizes host insects and starves host of nutrients. Typically, it takes 3-7 days for an infected insect or mite to die.

Shelf Life

Keep product refrigerated. Warm to room temperature 3 days before applying.

Attributes

Isarid contains live fungal spores. Using it within the following parameters will ensure success:

- Most active at 70 - 86°F.
- pH tolerance of 4.0 - 9.0.
- For best results, apply when temps are sustained above 70°F, humidity is over 50%, and UV light is low.

How to use Isarid

Mixing instructions: Isarid spores will clump up to form a black goop if mixed when cold. If the product has been refrigerated, then it is key to leave the Isarid at room temperature for three days before mixing. **Always use room temp water (not cold) for initial mixing into solution.** Once dissolved, the solution can be added to a larger tank of cool water.



Application tips

- Use of a non-ionic spread / sticker is recommended for foliar applications.
- For outdoor applications apply during periods of low solar radiation (early or late day).
- It is best to keep the Isarid agitated in the tank during application (to prevent the product from settling-out).
- Do NOT apply Isarid through a Damm PulsFOG or similar thermal fogger (the heat will kill the spores).

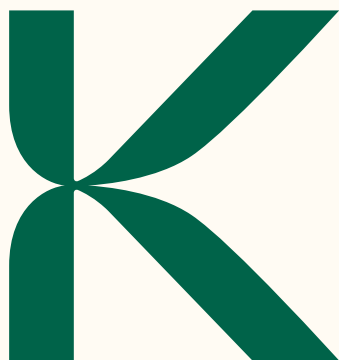
Compatibility

Isarid is compatible with many other insecticides and a few fungicides. Some examples of *compatible* tank mix partners are:

- Insect Growth Regulators (IGRs) such as AzaGuard or Enstar.
 - IGRs can enhance the effect of Isarid by softening the insect's cuticle and slowing their molting process.
- Horticultural oils such as SuffOil-X or TriTek.
 - The oil protects the Isarid spores and increases their contact with the target.
 - This can be especially useful in sub-optimal conditions (low humidity, for example).

Examples of *incompatible* tank mix partners include:

- ZeroTol and citric acid.



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Contact your Koppert representative
for any questions about compatibility.

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