



DiPel[®] DF

Mixing Guidelines

The current DiPel DF biological insecticide formulation is technically advanced, and provides you with excellent mixing characteristics and handling convenience. To maximise the benefits of DiPel DF, spray mixtures should be prepared as per the guidelines described below:

DiPel DF and pH of solution:

- Maintain the pH of your mixing solutions between 4.5 and 8.
 - Check the pH of your spray tank water before mixing.
 - When mixing DiPel DF with other agricultural products, ensure that the pH remains between 4.5 and 8.
 - If the pH of the tank-mix is out of this range, a buffer agent may be used.
 - Tank-mixes with high pH may result in some loss of biological activity.
- Spray DiPel DF tank-mix within 24 hours of preparation.

Compatibility:

- DiPel DF is generally compatible with most agricultural products.
- Perform a jar test to ensure physical compatibility of DiPel DF with other pesticide formulations.
 - Use a clear glass jar with lid. Add water, pesticides, and adjuvants in correct proportions and order of addition.
 - Invert the jar several times to ensure proper mixing.
 - After 15 to 30 minutes, observe mixture for any incompatibility such as sludge, balling-up or gelling.
 - The tank-mixture should be easily dispersible.
 - This test will not detect chemical or phytotoxic incompatibility.

**Use of spray mixes must be in accordance with the more restrictive label limitations.*



GENERAL MIXING DIRECTIONS

If using a tank with automated mixing/agitation capabilities:

- Add ½ to ¾ required volume of water and start agitation.
- Slowly add recommended amount of DiPel DF either as a slurry or directly from the container.
- Add other pesticide products.*
- Add the rest of the required water and agitate until the contents are fully mixed, approximately 10–15 minutes depending upon spray partners, type of agitation etc.
- Maintain agitation while spraying.
- For best results, prepare only enough DiPel DF mix that can be sprayed in 1 day.

If mixing by hand:

- Fill container with ½ to ¾ volume of required water.
- Add desired amount of DiPel DF.
- Mix for 5 minutes or until a homogeneous suspension is obtained.
- Add other spray materials as required.*
- Add the remainder of the water, mix for another 5 minutes.
- Continue occasional agitation while spraying to maintain a homogeneous suspension.
- For best results, prepare only enough DiPel DF mix that can be sprayed within one day.