

The current DiPel® Biological Insecticide formulations are technically advanced, and provide you with excellent mixing characteristics and handling convenience. To maximize the benefits of your DiPel® products, spray mixtures should be prepared as per guidelines described below:

### DiPel® 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® 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® tank-mix within 24 hours of preparation.

### Compatibility:

- DiPel® is generally compatible with most agricultural products.
- Perform a jar test to ensure physical compatibility of DiPel® 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, gelling.
  - The tank-mixture should be easily dispersible.
  - This test will not detect chemical or phytotoxic incompatibility.

## 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® 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® 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®.
- 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® mix that can be sprayed within one day.

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