

# DiPel<sup>®</sup> PRO DF

BIOLOGICAL INSECTICIDE DRY FLOWABLE

## CONTROL PESTS WITH THE LEADING BIOLOGICAL INSECTICIDE.

Registered for use on a variety of ornamentals, DiPel<sup>®</sup> PRO DF delivers outstanding control of more than 30 species of insects, including tent caterpillar, gypsy moth, tobacco budworm and various bagworms, loopers and armyworms. Its dry flowable formulation is dust free and easy to measure and mix. DiPel PRO DF is biodegradable and has minimal effect on humans, non-target animals or the environment.

### COMPETITIVE ADVANTAGES

- Effective, broad-spectrum control of worm pests
- Fast-acting with quick insect control
- DiPel PRO DF is OMRI Listed<sup>®</sup> for organic production

### AT-A-GLANCE INFO

EPA REG. NO.	73049-39
ACTIVE INGR.	Bacillus thuriensis subsp. kurstaki (54%)
FORMULATION	dry flowable
CHEM. FAMILY	microbial
IRAC NO.	11A
REI	4 hours
PACKAGE SIZE	1 lb (30 per case)
APPLICATION	spray



OMRI LISTED FOR ORGANIC USE



FIELD-GROWN NURSERY



CONTAINER-GROWN NURSERY



GREENHOUSE



EDIBLES



CAUTION



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### KEY USES

Greenhouse and nursery including:  
leafy and brassica vegetables,  
fruiting vegetables, herbs

### KEY INSECTS CONTROLLED

(See product label for complete list)

Armyworms  
Azalea caterpillar  
Bagworm  
Blackheaded budworm  
California oakworm  
Cutworm  
Diamondback moth  
Douglas fir tussock moth  
Ello moth  
Elm spanworm  
Fall webworm  
Fruitree leafroller  
Greenstriped mapleworm  
Gypsy moth  
Hemlock looper  
Jack pine budworm  
Looper  
Mimosa webworm  
Oleander moth  
Omnivorous leafroller  
Pine butterfly  
Redhumped caterpillar  
Saddleback caterpillar  
Saltmarsh caterpillar  
Sod webworm  
Spring and fall cankerworm  
Spruce budworm  
Tent caterpillar  
Tobacco budworm  
Western tussock moth

### USE SUMMARY

DiPel® PRO DF is an insecticide for use against listed caterpillars (larvae) of lepidopterous insects. Close scouting and early attention to infestations is highly recommended. Larvae must eat deposits of DiPel PRO DF to be affected.

#### ALWAYS FOLLOW THESE DIRECTIONS:

Treat when larvae are young (early instars) before the crop is damaged.

- Larvae must be actively feeding on treated, exposed plant surfaces.
- Thorough spray coverage is needed to provide a uniform deposit of DiPel PRO DF at the site of larval feeding. Use overhead and drop nozzles to obtain good spray coverage on both sides of foliage. Use sufficient spray volume to ensure uniform deposition on all plant surfaces.
- Under heavy pest population pressure, use the higher label rates, shorten the spray interval, and/or raise spray volume to improve spray coverage.
- Repeat applications at an interval sufficient to maintain control, usually 3 to 14 days depending on plant growth rate, moth activity, rainfall after treating, and other factors. If attempting to control a pest with a single spray, make the treatment when egg hatch is essentially complete, but before crop damage occurs.
- A spreader-sticker which has been approved for use on growing and harvested crops should be added for hard-to-wet crops such as cabbage, or to improve weather-fastness of the spray deposits.
- DiPel PRO DF is a non-restricted use pesticide and does not require a restricted use permit for purchase and use.
- DiPel PRO DF may be tank mixed with other labeled insecticides to enhance control. Use of the resulting tank mix must be in accordance with the more restrictive label limitations and precautions. No dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Before tank mixing DiPel PRO DF with other labeled products, including spreader stickers, check for tank mix compatibility.

DiPel PRO DF may be applied in conventional ground or aerial equipment with quantities of water sufficient to provide uniform coverage of infested plant parts. The volume of water needed per acre will depend on crop development, relative humidity, spray equipment, and local experience. Usually, selection of moderate to high spray volume will provide the best results in most equipment. For optimal results, use at least 20 gallons of water per acre for ground application. For aerial application use at least 3 gallons of water per acre; exception being arid areas, where 5 to 10 gallons are required. Add water to the mix tank and provide moderate agitation. While agitating, add the required amount of DiPel PRO DF. Continue agitation, and add other spray materials, if any. Add remaining water, if any, and agitate until fully mixed. Maintain the suspension with moderate agitation while loading and spraying. Do not mix more DiPel PRO DF than can be used in a 3 day period.

See product label for complete directions for use.

**RESTRICTIONS – DAYS TO HARVEST:** There are no restrictions on applying DiPel PRO DF up to the time of harvest. Individual State regulations may vary and should be consulted for allowable pre-harvest application intervals.

See label for complete application precautions and restrictions.



[nufarm.com/usturf](http://nufarm.com/usturf)

For specific application rates, directions, mixing instructions and precautions, read the product label. Please visit [www.nufarm.com/usturf](http://www.nufarm.com/usturf) to download a full label.

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