

73049-14

12/02/2002

1/5

DIPEL® 10G
BIOLOGICAL INSECTICIDE
GRANULES

Active Ingredient:

<i>Bacillus thuringiensis</i> , var. <i>kurstaki</i> , strain ABTS-351, fermentation solids and solubles.....	2.3%
Other Ingredients.....	97.7%
Total.....	100.0%

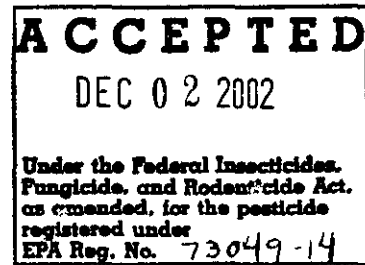
Potency: 1600 Cabbage Looper Units of Potency per mg or 0.726 Billion Cabbage Looper Units/lb.

The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN
CAUTION

Valent BioSciences Corporation
870 Technology Way, Suite 100
Libertyville, IL 60048

EPA Reg. No. 73049-14
EPA Est. No. 33762-IA-1



FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 -m 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment.

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HOTLINE NUMBER

Have the product container of labels with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-892-0099 (24 hours) for emergency medical treatment/and or transport emergency information. For all other information, call 1-800-6-Valent.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Harmful if inhaled. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.
Shoes plus socks.

Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Repeated exposure to high concentrations of high microbial of microbial proteins can cause allergic sensitization.

User Safety Recommendations

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

Coveralls
Shoes plus socks
Waterproof gloves

4/5

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Store in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

DiPel 10G is a granular formulation of *Bacillus thuringiensis* variety *kurstaki*, designed specifically as a selective insecticide for control of certain leaf-eating caterpillars (Lepidoptera). For practical determinations of active ingredient, DiPel 10G can be expressed as a 10% formula of DiPel WP. The active ingredient in DiPel 10G is a stomach poison and therefore must be

eaten by larvae to be effective. Climatic extremes such as heavy rain or strong wind shortly after treatment may act to remove DiPel 10G from the feeding zone making re-treatment necessary.

NOTICE

Local conditions may affect the use of DiPel 10G. Consult State Agricultural Extension or Experiment Station Specialists for specific recommendations related to local crop protection problems. Abbott makes no warranty, express or implied, including the warranties of commercially acceptable quality and/or fitness for any particular purpose concerning this material, other than those which are contained on this label.

5/5

APPLICATION

Crop	Pest	Rate	Comments
Seed Corn, Field Corn, Popcorn and Sweet Corn	European Corn Borer, (<i>Ostrinia nubilalis</i>), First and Second Generation	10 lbs/acre	<p>Ground or aerial equipment</p> <p>First Generation: Apply DiPel 10G directly to corn whorls. Treat seed corn when 25 percent of plants show shot hole feeding in the whorls and field corn when 35 percent of whorls show feeding. Larvae should be small and present at this time. Satisfactory control cannot be expected if treatment is delayed to higher injury levels or after larvae have begun stalk boring.</p> <p>Second Generation: Apply DiPel 10G when a field count shows 50 egg masses per 100 plants and the first hatch is occurring or follow your State Extension Service recommendation. Under conditions of intensive population pressure, a second application may be necessary.</p> <p>Ground or aerial equipment: Apply DiPel 10G directly to corn whorls. Treat sweet corn when 10-12 percent of plants show feeding in the whorls. Field corn should be treated when 75 percent of the plant whorls show feeding damage. Treatment thresholds vary for different types of corn so consult State Agricultural Extension specialists for specific recommendations. Under high pest pressure, a second application may be necessary.</p>
	Southwestern Corn Borer (<i>Diatraea grandiosella</i>)	5-10 lbs/acre banded over-row with ground application	
	Fall Armyworm (<i>Spodoptera frugiperda</i>)	10 lbs/acre	
Tobacco	Tobacco Budworm (<i>Melipotis virescens</i>)	3-10 lbs/acre	Ground equipment. Apply DiPel 10G by hand or properly calibrated mechanical ground equipment.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

NOTICE TO USER

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risk of use, storage or handling not in strict accordance with accompanying directions.

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