

PM 90 55638 -37 P9 114

LEPINOX* WDG water dispersible granule bioinsecticide is a biological insecticide for the control chepidopterous pests.

Active Ingredient:

Bacillus thuringiensis subspecies kurstari strain EG7826	;
Lepidopteran active toxin	00%
Inert Ingredients85.0	20%
TOTAL	00%

2.4 oz. active ingradient per pound Potency: 52,500 Fall Armyworm Units per milligram of aroduct. Potency units should not be used to adjust use rates beyond those specified in the Directions for Use section.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to tou in detail).

STATEMENT OF PRACTICAL TREATMENT

If In Eyes: Hold eyelid open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS Causes substantial but temporary eye nury. Do not get in eyes or on clothing. Wear goggles or faceshield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- · Shoes plus socks
- Protective eyewear

EPA REG. No. 55638-37
EPA EST. Nos. 67250-IL-1 (Subscript refers to last 2 digits of lot number on container.)
Net Contents: 5 U.S. Pound Bag

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place inaccessible to children.

Pesticide Disposal: Do not contaminate water when disposing of equipment washwaters. 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.

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.

ACCEPTED

Under the Federal Insecticide.
Fungicide, and Rodemicide Act.
as amended, for the pesticide
registered under
EPA Reg. No. 55638-37

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Ecogen Inc. 2005 Cabot Blvd. West, P.O. Box 3023 Langhorne, PA 19047-3023 215/757-1590 or 800/220-2135

SPECLMEN LABEL

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with as 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 section 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 12 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, waterproof gloves, shoes plus socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to the uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFP Part 170). The WPS applies when this product is used to croduce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

Preharvest Interval: LEPINOX WDG may be applied to the crops listed in the APPLICATION RATE TABLE at any time, up to and on the day of harvest.

Mode of Action: After consuming a lethal cose of LEPINOX WDG, larvae will cease to feed, but may remain alive on foliage for several days before disappearing. Immediately after ingestion of LEPINOX WDG, larvae begin to move slowly, become discolored, shrivel and blacken prior to death.

MIXING INSTRUCTIONS

LEPINOX WDG may be applied with conventional ground, aerial or hand held application equipment with quantities of water sufficient to provide thorough coverage of infested plants. Do not apply this product through any type of irrigation system. To obtain a suitable mixture with water, add enough water to allow maximum agitation. With agitator running, slowly add in the LEPINOX WDG. Continue agitation. Add remainder of water and other spray materials and agitate until mixed. Maintain suspension while loading and spraying. Do not mix more LEPINOX WDG than can be used in a 12-hour period. Rinse and flush scray equipment thoroughly following each use. Do not contaminate water when disposing of equipment washwaters.

In order to make proper decisions on application rates to be used, follow the recommendations in the APPLICATION RATE TABLE.

APPLICATION INSTRUCTIONS

LEPINOX WDG is a bioinsecticide for use against the lepidopteran larvae listed in the APPLICATION RATE TABLE. Larvae must consume deposits of LEPINOX WDG to be affected. Always follow these directions:

- Make applications when larvae are still small (early instars) and actively feeding on foliage or other plant parts.
- Make applications before noticeable foliar damage occurs.
- Thorough spray coverage is essential for good insect control. For ground applications, directed drop nozzles should be used for certain vegetable crops.
- When insect infestations are heavy, use the higher label rates, shorten the spray interval, and/or use larger total spray volume to improve spray coverage.
- Applications should be repeated at an interval sufficient to maintain control, depending upon plant growth, insect pressure and weather conditions after spraying.
- For crops such as Fruits, Nuts and Vines, applications are often timed to stage of development and recommendations from local Extension personnel should always be followed.
- Local conditions may affect the use of LEPINOX WDG.
 Consult your State Agricultural Extension Specialist for specific recommendations related to local crop protection problems.
- Spray water/spray tank solutions should not exceed pH 8.0. If necessary, buffer water to near neutral pH.

HAND HELD EQUIPMENT

When using hand held equipment, mix 4 teaspoons per gallon of water or 3 pounds per 100 gallons of spray solution. Spray to wet, but not to runoff.

TANK MIX

Combinations of LEPINOX WDG with commonly used insecticides, fungicides or other spray tank adjuvants are generally not deleterious to performance. It is advisable to test physical compatibility by mixing all components in a small container in proportionate quantities prior to mixing in spray tank. This product cannot be mixed with any product containing a label prohibition against such mixing. No label dosage rate should be exceeded. Application must be made in accordance with the more restrictive of label limitation and precautions.

 For improved durability of spray deposits, a spreader/ sticker approved for use on growing crops may be used for hard-to-wet crops such as cole crops.

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APPLICATION RATE TABLE

1. VEGETABLES & COLE CROPS

(Fresh and Processed) .

Crop such as:		Insect Pest
Artichokes Arugala Asparagus Beans Beets Bok Choy Broccoli Brussels sprouts Cabbage Cardoni Carrots Cauliflower Celeriac Celery Chick peas Chicory Chinese cabbage Collards Cucumber Cucumber Cucumber Cucumber Gucumber Gucumber Gucumber Gucumber Gucumber Cucumber Cu	Meions (Cantalouce, Crenshaw, Honeydew, Muskmeion, Watermeion, etc.) Napa Okra Onions Parsiey Parsnips Peas Peppers Potatoes Pumpkins Radishes Rutabaga Salsify Shallots Soybean foliage Spinach Squash Sugar beets Sweet potatoes Swiss charc Tomatoes Turnips	Alfalfa looper Armyworm Artichoke plume moth Beet armyworm Cabbage buckworm Cabbage looper Cabbage webworm Celery leaftier Corn earworm Cross-striped cabbageworm Diarnondback moth European corn borer Falf armyworm Green cloverworm Imported cabbageworm Melonworm Ornnivorous leafroller Pickdeworm Rindworm Complex Saltmarsh caterpillar Soybean looper Tobacco budworm Tomato fruitworm Tomato homworm Tomato pinworm Velvetbean caterpillar Yellowstriped armyworm

Rate/Acre: 1.0 - 2.0 pounds

II. HERBS & SPICES

Crop such as:	Insect Pest
Basil Chives Cilantro Dill Oregano Peppermint Thyme	Afalfa ooper Armyworm Diamondback moth European corn borer Green ploverworm Imported cabbageworm Loopers Saltmarsh caterpillar

Rate/Acre: 1.0 - 2.0 pounds

III. PASTURE & HAY CROPS

Crop such as:	Insect Pest
Alfalfa (hay â seed) Pasture (grasses & hay) Silage	Aifaifa baterpillar Armyworm Beet amyworm* European skipper Fall amyworm Loopers* Webworm Yellow striped armyworm*

Rate/Acre: 1.0 - 2.0 pounds

"Product should be applied when early instar larvae first appear. If infestation persists, make a second application 7-10 days later. Combination of LEPINOX WDG with a contact insecticide is recommerced for control of 4th and 5th instar larvae.

IV. FRUITS, NUT & VINE CROPS

Crop such as:	Insect Pest
Pome and Stone	Cankerworm (Spring & Fail)
Fruit Trees:	Cherry fruitworm
Apples	Eastern tent caterpillar
Apricots	Fall webworm
Cherries Nectarines	Fruittree leafroller
Peaches	Green fruitworm
Pears	Gypsy moth
Plums	Navel orangeworm
Prunes	Obliquebanded leafroller Omnivorous leafroller
Quince	Oriental fruit moth
Course	Pandemis leafroller
	Peach twig borer
	Redbanded leafroller
	Redhumped caterpillar
	Tortrix moth (Orange and Garde
	Tufted apple budmoth
	Variegated leafroller
	Walnut caterpillar
	Western tent caterpillar
Nut Trees:	Citrus cutworm
Almonds	Filbert leafroller
Chestnuts	Filbert webworm
Filberts	Fruittree leafroller
Pecans	Hickory shuckworm
Pistachios	Navel orangeworm
Walnuts	Obliquebanded leafroller
: - 	Omnivorous leafroiler
	Pecan nut casebearer
	Peach twig borer
	Redhumped caterpillar
	Roughskinned cutworm
	Western tent caterpillar
Citrus	Amorbia
Onius	Citrus cutworm
	Fruittree leafroller
	Omnivorous leafrotter
	Orangedog
Small Fruit	Achema sphinx moth
and Berries:	Armyworm
Blackberries	Blackheaded fireworm
Blueberries	Blueberry leafroller
Boysenberries	Cranberry girdler
Cranbernes	Fruittree leafroller
Currants	Grape berry moth
Loganberries	Gypsy moth
Respherries	Loopers
Strawbernes	Obliquebanded leafroller
	Omnivorous looper
	Tobacco budworm
Grapes	Grape berry moth
	Cherry fruitworm
	Grape leaffolder
	Grapeleaf skeletonizer
	Green fruitworm
	Omnivorous leafroller
	Orange tortrix
•	Saltmarsh daterpillar
	Yellowstriped armyworm
Tropical and	Amorbia
Other Fruit:	Loopers
Avocados	Orange tortrix
	Omnivorous leafroller
	Omnivorous looper
	Spanworm
Bananas	Banana skipper
Kiwi	Omnivorous leafroller
	Citrus cutworm
Persimmons	. –
Persimmons Pomegranate	Fall webworm
	Fall webworm Filbert webworm
	Filbert webworm Omnivorous leafroller
	Filbert webworm Omnivorous leafroller Redhumped caterpillar
Pomegranate	Filbert webworm Omnivorous leafroller Redhumped caterpillar Tent caterpillar
	Filbert webworm Omnivorous leafroller Redhumped caterpillar Tent caterpillar Gummosos-Batrachedra
Pomegranate	Filbert webworm Omnivorous leafroller Redhumped caterpillar Tent caterpillar Gummosos-Batrachedra commosae
Pomegranate Pineapple	Filbert webworm Omnivorous leafroller Redhumped caterpillar Tent caterpillar Gummosos-Batrachedra commosae Thecla-Thecla basiildes
Pomegranate	Filbert webworm Omnivorous leafroller Redhumped caterpillar Tent caterpillar Gummosos-Batrachedra commosae Thecla-Thecla basiiides Hornworms
Pomegranate Pineapple	Filbert webworm Omnivorous leafroller Redhumped caterpillar Tent caterpillar Gummosos-Batrachedra commosae Thecla-Thecla basiildes

Rate/Acre: 1.0 - 2.0 pounds

V. FIELD CROPS

7. FIELD CROPS		
Crop such as:	Insect Pest	
Cancla/Rape Seed Evening Primrose Meadow foam	Armyworm Diamondback moth imported cacoageworm Loopers	
Corn (Field, Sweet, Popcorn, Seed)	Armyworm European com borer Fall armywom Southwestem com borer	
Cotton	Beet armyworm Bollworm Cabbage loccer Cotton leaf perforator Fall armyworm Saltmarsh caterpillar Tobacco budworm	
Hops 	Armyworm Loopers Obliquebanoad leafroller Omnivorous eaftier Spotted curvorm	
Jojoba 🥕	Looper, (Anacamptodes spp.)	
Peanuts	Fall armyworm Green cloverworm Loopers Podworm Velvetbean caterpillar	
Rice	Armyworm Green cloverworm Loopers Saltmarsh caterpillar Velvetbean caterpillar	
Safflower	Armyworm Loopers Saltmarsh caterpillar	
Small Grains (Barley, Oats, Rye, Wheat, etc.)	Armyworm Loopers	
Sorghum	European com borer Headworm Saltmarsh caterpillar Velvetbean caterpillar	
Soybeans	Green cloverworm Podworm Soybean loccer Velvetbean caterpillar	
Sunflowers	Banded sunfower moth Beet armyworm Headmoth Loopers Sunflower moth	
Tobacco .	Tobacco budworm Tobacco homworm Loopers	

Rate/Acre: 1.0 - 2.0 pounds

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VI. COMMERCIAL FLOWERS & ORNAMENTAL PLANTS

Crop such as:	Insect Pest
Bedding plants Flowers (Greenhouse and field) Greenhouse Omamentals Vegetables Container stock	Armyworm Azalea moth Beet armyworm Diamonoback moth Ello moth (hornworm) Florida fen caterpillar lo moth Loopers Oleander moth Omnivorous leafroiler Omnivorous looper Tobacco budworm

Rate/Acre: 1.0 - 2.0 pounds

VII. FOREST, SHADE TREE & NURSERY STOCK

Crop such as:	Insect Pest
Forest Shade trees Nursery trees	Bagworm Blackheaded budworm Browntail moth California oakworm Douglas fir tussock moth Elm spanworm Fall webworm Fruittree leafroller Greenstriped mapleworm Gypsy moth Jack pine budworm
	Mimosa webworm Pine butterfly Redhumped caterpillar Saddleback caterpillar Saddle prominent caterpillar
	Spring and Fall cankerworm Spruce budworm Tent caterpillar Tortrix Western tussock moth

Rate/Acre: 1.0 - 2.0 pounds

VIII. TURF

Crop such as:	.	Insect Pest
Turf	=	Armyworm Fail armyworm Sod webworm Tropical sod webworm

Rate/Acre: 1.0 - 2.0 pounds

WARRANTY AND CONDITIONS OF SALE

Ecogen warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under normal conditions of use.

ECOGEN MAKES NO WARRANTIES OF MERCHANTABILI-TY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable, refund of the purchase price. In no case will Ecogen be liable for incidental, consequential or special damages resulting from the handling, storage or use of this product.

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