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**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS**  
 (and Domestic Animals)

**CAUTION**

Avoid contact with skin, eyes, and clothing. If contact occurs, flush skin with plenty of water. Get medical attention if symptoms persist.

**ENVIRONMENTAL HAZARDS**

Keep out of lakes, ponds, streams, rivers, or contaminate water bodies. Avoid dispersal of wastes.

**Beneficial Insects**

Honeybees foraging around treated areas may be harmed by Dipel 4L. Dipel 4L does not harm other beneficial and predatory insects. See Pest Management Program.

**Directions for Use**

It is a violation of Federal law to spray or apply in a manner inconsistent with the instructions. Do not apply this product on or near any type of irrigation system.

Refer to Package Insert for complete general directions.

**STORAGE AND  
DISPOSAL**

Do not contaminate waterways, streams, or storage tanks.

**STORAGE:** Keep container tightly closed when not in use. Do not store less than 6 months.

**DISPENSING:** Dispense from original container.

**TESTING:** Do not test.

In the event of spillage, do not dispose directly into waste disposal systems.

**CONTAINER USE:** Do not reuse containers equivalent to those used for this product.

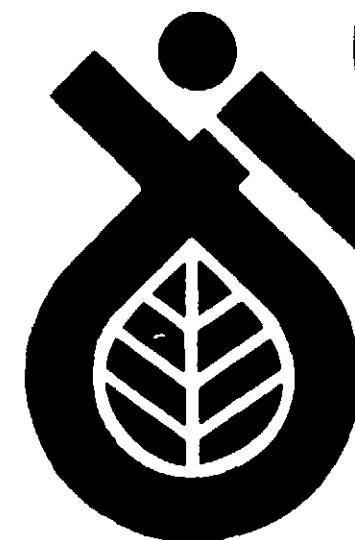
Do not use containers for food or drink.

Drum or bag must be properly labeled.

Authorizations required.

**NOTICE TO USER**

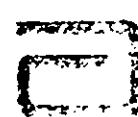
Seller makes no warranty expressed or implied, merchantability, fitness for a particular use, or use of this product. Other than as set forth on the label, user assumes all risk of use, loss, or handling of this product, including any accompanying instructions.



**Dipel<sup>®</sup> 4L**  
**WORM KILLER**

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

NET CONTENTS: 55 GALLONS



**International Units of Potency per mg**

32 billion International  
Units per gallon<sup>1</sup> 1.76

Inert Ingredients 98.24

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Registration No. 275-36  
EPA Est. No. 33762 FA

**STORAGE AND DISPOSAL**

See container label

**CAUTION**

Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

**BENEFICIAL INSECTS**

Honeybees foraging treated areas are not harmed by DIPFEL 4L use.

DIPFEL 4L does not pose a general threat of benefit, aid, and protection to good pest control programs.

- Treat when larvae are young, early instars before the crop is extensively damaged.
- Larvae must be actively feeding to be treated, exposed plant parts.
- Thorough spray coverage is needed to provide a uniform deposit of DIPFEL 4L at the site of larval feeding. For some crops directed drop nozzles by ground or air are required.
- Under heavy pest population pressure use the higher label rates, shorten the spray interval, and/or raise gallonage 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 batch is essentially complete, but before extensive crop damage occurs.

- A spreader-sticker which has been approved for use on growing oilseed and crops should be added to the spray mix. Tops such as soybeans, cotton, and others, weather fastness of the sprayer tops.

After cutting, stems treated with DIPFEL 4L may stop feeding within a few days. Within several days, DIPFEL 4L will slowly disolor the straw. This is normal.

DIPFEL 4L may be applied to the surface, ground or aerial equipment with a minimum of water sufficient to provide thorough coverage of infested plant parts. The amount of water used depends on the size of crop, size of sprayer, spreader, and local experience. For best results, treat at least 2000 square feet per acre except on the two weeds listed under unusual treatments. Add a spreader-sticker to mixing tank at the recommended rate or maximum agitation. When mixing tank is full, add the DIPFEL 4L. Then add water. Then add other spray materials. Then add a carrier of the water. Mix thoroughly. Do not add more than the amount of water specified on the label. Do not exceed DIPFEL 4L concentration. See the "DANGER" section of CAUTION for maximum application rates.

**CAUTION**

DIPFEL 4L should not be used in combination with Chantix, Baygon, Ex-o-Cet, Enviro, Disulfoton, Captain, except seed or Ovrenet.

**ALL STATES EXCEPT CALIFORNIA**  
The effects of combining DIPFEL 4L with fungicides (other than benomyl), insecticides, or ovicides, and/or other materials other than chlorinated formic acid are unknown.

**Days to harvest:** There are no restrictions applying DIPFEL 4L up to the time of harvest.  
**Sites:** DIPFEL 4L may be used on all fibrous pest in field and garden crops.

**For Smaller Spray Volumes**

# Acres to be treated	Use This Amount Per Gallon
2000	1.76
1000	3.52
500	7.04
250	14.08

**DIRECTIONS FOR USE**

It is a liquid concentrate. Do not mix with products containing oil, solvents, or organic solvents. Follow directions on labeling.

Do not apply this product to any type of irrigation system.

DIPFEL 4L is effective against the following for use against the following: all lepidopterous pests, including caterpillars, early instar moths, and armyworms; beetles, including Colorado potato beetle, and others; aphids, and others. DIPFEL 4L is not effective against these insects.

**FOR CALIFORNIA ONLY**

The effects of combining DIPFEL 4L with insecticides, fungicides and other spray materials are unknown. Tank mixes should be avoided except where specific recommendations are made in the label for use in California.

**APPLICATION RATE**

Crop	Pest	Pints/Acre
Collards	Coppers	1 to 10
Celery	Imported Cabbageworm	2 to 10
Lettuce	Diamondback Moth	1 to 10
Spinach <sup>2</sup>		

<sup>2</sup>For all states except California.

<sup>3</sup>Do not apply by air to plants after transplant or other stress bolt 6 weeks in the field. Use more than 25 gallons of water per acre by ground and 10 gallons of water per acre by air.

Crop	Pest	Pints/Acre
Soybeans	Cotton Bollworm	1 to 2
Peanuts	Velvetbean Caterpillar	1 to 2
Peas	Podworm (Heliothis)	1 to 2
	Earworm	1 to 2
	Armyworms <sup>3</sup>	1 to 4

<sup>3</sup>DIPFEL 4L suppresses armyworm, 1 to 2 weeks after application when populations are high enough.

For all states except California.

Crop	Pest	Pints/Acre
Tomatoes	Caterpillars	1 to 2
Cucumbers	Caterpillars	1 to 2
Watermelons	Caterpillars	1 to 2
Cherry Tomatoes	Caterpillars	1 to 2

<sup>4</sup>For all states except California.

<sup>5</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

<sup>6</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

For all states except California.

Crop	Pest	Pints/Acre
Carrots	Caterpillars	1 to 2
Radishes	Caterpillars	1 to 2
Turnips	Caterpillars	1 to 2
Beets	Caterpillars	1 to 2

<sup>7</sup>For all states except California.

<sup>8</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

<sup>9</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

For all states except California.

Crop	Pest	Pints/Acre
Onions	Caterpillars	1 to 2
Garlic	Caterpillars	1 to 2
Leeks	Caterpillars	1 to 2
Scallions	Caterpillars	1 to 2

<sup>10</sup>For all states except California.

<sup>11</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

<sup>12</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

For all states except California.

Crop	Pest	Pints/Acre
Broccoli	Caterpillars	1 to 2
Brussels Sprouts	Caterpillars	1 to 2
Cabbage	Caterpillars	1 to 2
Carrots	Caterpillars	1 to 2

<sup>13</sup>For all states except California.

<sup>14</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

<sup>15</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

For all states except California.

Crop	Pest	Pints/Acre
Onions	Caterpillars	1 to 2
Garlic	Caterpillars	1 to 2
Leeks	Caterpillars	1 to 2
Scallions	Caterpillars	1 to 2

<sup>16</sup>For all states except California.

<sup>17</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

<sup>18</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

For all states except California.

Crop	Pest	Pints/Acre
Onions	Caterpillars	1 to 2
Garlic	Caterpillars	1 to 2
Leeks	Caterpillars	1 to 2
Scallions	Caterpillars	1 to 2

<sup>19</sup>For all states except California.

<sup>20</sup>DIPFEL 4L may be used to control armyworm, 1 to 2 weeks after application.

For all states except California.

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The mixture of 8% with chlorotoluron for inhibiting the growth of regenerative plants on land this is covered by Abbott U.S. patent 3,937,813.  
All states except California.

Avocados	American Moth	Not more than 8
	Orangeblossom Leafroller	than 8
	Orangeblossom Looper	
	Orange Tortrix	

Use a minimum of 100 gallons water per acre by ground rig or 10 gallons by aircraft. Maximum of two applications per season.  
For all states except California.

#### CROP SEED<sup>1</sup>

Plant	Rate
Indian Meal Moth	1 to 10 oz. 100 bu.
Almond Moth	

Always thoroughly prior to bagging.

Dipel 4L is compatible with common seed treatments including captan, methoxychlor, carbaryl (Sevin), and malathion. Fumigation has not been found to decrease the effectiveness of Dipel 4L.  
For all states except California.

#### DIPEL 4L for Trees and Shrubs<sup>2</sup>

Crop	Pest
Forest Shrub	Gypsy Moth
Sugar Maple	Bagspider
Trees and Shrubs <sup>2</sup>	Redheaded Caterpillar
	Spring & Fall Cankerworm
	Fall Webworm
	Elm Spanworm
	Tent Caterpillar
	California Oakworm
	Pine Beetle
	Spotted Dogwood <sup>3</sup>
	Saddled Picnicard Caterpillar
	Douglas Fir Tussock Moth
	Western Tentacle Moth
	Franseria Leafroller
	Blackheaded Budworm
	Mimosa Webworm
	Jack Pine Budworm
	Saddledback Caterpillar

<sup>1</sup>Rate for hydraulic sprayer in California. In other states, tank water may be used if adequate coverage is provided. For hand blowers, mix the applicable amount (pints) in zero to 10 gallons of water, except in California, mix the applicable amount (pints) in 10 gallons of water.

<sup>2</sup>For aerial application, use in zero to 10 gallons (in California) against all pests except Spotted Dogwood. Use in zero to 10 gallons of water depending on type and density of trees. For best results, spray systems which deliver droplets of 1720 microns at 100' should be used.

Use only the low rate in California.

<sup>3</sup>All states except California.

Use rates greater than 2 pints in Northern states for heavy infestations. In California, tank water or of water to Dipel 4L must be no less than 50:50.

Rate/100 Gallons <sup>1</sup> (Ground Equipment)	Rate/100 (Aerial <sup>2</sup> Applicators)
1 to 4	2 to 4
1 to 2	1 to 2
1 to 1	1 to 1
1 to 1	1 to 1
1	1
1 to 2	1 to 2
1 to 1	1 to 2
1 to 1	1 to 2
2	2
2 to 4	2 to 4
1 to 1	1 to 2
2	2
1 to 1	1 to 2
1 to 1	1 to 2
2	2
1 to 1	1 to 2
1 to 1	1 to 2
1 to 1	1 to 2
1 to 1	1 to 2

#### NOTICE TO USER

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

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