

93.04.06

LABEL

Biological Insecticide

DIPEL\* 64AF

For Forest, Woodland, and Urban Use

Aqueous Flowable

RESTRICTED

GUARANTEE: *Bacillus thuringiensis*, var. *kurstaki* 14,800  
International Units of potency per mg (equivalent to 16.9 Billion  
International Units of Potency per litre).

REGISTRATION NO. 21,526 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

READ LABEL AND BROCHURE BEFORE USING

Manufactured by: Abbott Laboratories  
Chemical and Agricultural Products Division  
1401 Sheridan Road  
North Chicag, IL 60064 USA

Canadian Agent: Abbott Laboratories, Limited  
P.O. Box 6150 Station A  
Montreal, Quebec, Canada H3C 3K6

LOT NO.	5407-13-02
DATE OF MANUFACTURE	04-0233/R2
USE PRODUCT BEFORE	

Net Contents: 209 liters

E.P.A. Est. No. 33762-IA-1

PAMPHLET

Biological Insecticide

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REGISTRATION NO. 21,526 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

READ LABEL AND BROCHURE BEFORE USING

Registrant:  
Abbott Laboratories  
Chemical and Agricultural  
Products Division  
Chicago, IL 60064 USA

Canadian Agent:  
Abbott Laboratories, Limited  
Chemical and Agricultural  
Products Division North  
Montreal, Canada H3C 3K6

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

NATURE OF RESTRICTION: This product is to be used only in the manner authorized: consult local pesticide regulatory authorities about use permits which may be required.

DIRECTIONS FOR USE:

DIPEL 64AF is a highly selective insecticide for use against caterpillars (larvae) of lepidopterous insects. Close scouting and early attention to infestation is highly recommended. Larvae must eat deposits of DiPel 64AF to be affected. Always follow these directions.

- Roll drums prior to removal of contents. For bulk tankers, circulate the volume of the contents once prior to offloading.
- Treat when larvae are young (early instars) before damage occurs.
- Larvae must be actively feeding on treated, exposed plant parts.
- Thorough spray coverage is needed to provide a uniform deposit of DIPEL 64AF at the site of larval feeding.
- For Spruce Budworm control, treat when shoot development is sufficient to allow good deposit on emerging needles.
- For Gypsy Moth control, an extended egg hatch may require more than one application at 3 to 14 day intervals. If attempting to control Gypsy Moth with a single spray, make the treatment when egg hatch is essentially complete but before damage occurs.
- Do not mix this product with any materials other than those specified on this label.
- Timing and number of applications sufficient to maintain control will depend on plant growth rate and caterpillar activity.
- If Dipel 64AF is applied to late larval instars and/or extremely heavy populations, use higher label rates or consider additional applications.
- Avoid application if significant rainfall is expected within 6 hours of application.

DIPEL 64AF should be applied by aerial equipment undiluted. Dilute with minimal quantities of water only when required to improve deposit. Fill the mix tank or plane hopper with the desired quantity of water. Start the mechanical or hydraulic agitation to provide moderate circulation before adding DIPEL 64AF. Add the desired volume of Dipel 64AF to the tank or plane hopper and agitate unit uniformly suspended. (Include rinse water from containers). Mild agitation is sufficient to maintain mixture suspension during loading and spraying. Do not mix more Dipel 64AF than can be applied in a 72 hour period. If using

undiluted product, continual mixing or agitation is not necessary and should be avoided.

Federal or Provincial officials may recommend inclusion of a water-soluble dye for purposes of recording spray deposit.

NOTE: Before using this product, consult the regional Canadian Forestry Service office or provincial forest authority for information on timing and method of application.

Aerial Application Urban Areas: DiPel 64AF may be used for aerial application to urban areas for treatment of residential, industrial, and recreational sites and areas under municipal jurisdiction. Consult regional office of Transport Canada regarding air regulations.

#### APPLICATION RATES PER TREATMENT

Pest	Application Timing	L/ha	BIU's/ha
Gypsy Moth	1st-3rd instar; 40-50% leaf expansion	1.8-3.0	30-50
Spruce Budworm	Peak 4th instar; shoots flushed, bud caps shed	1.2-1.8	20-30
Western Spruce Budworm	Peak 4th instar; shoots flushed, bud caps shed	1.8-2.4	30-40

DIPEL 64AF may be applied diluted. For undiluted application, droplet size recommendations are as follows: 30-80 microns for coniferous foliage and 50-150 microns for broadleaf foliage.

#### PRECAUTIONS:

Avoid contact with skin, eyes or clothing. This product may cause dermal sensitization. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

#### STORAGE:

Store at temperatures between 0' and 25'C. Cooler storage temperatures are preferred. Keep containers tightly closed. Use product within 6 months of date of manufacture.

DISPOSAL:

Rinse the emptied container thoroughly and add the rinsings to the spray mixture tank. Follow provincial instructions for any required additional cleaning of the container prior to disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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