

AGRICULTURAL

Dimethoate Plus

Group

1B

Insecticide

Emulsifiable liquid insecticide. Contains dimethoate.

For control of flies on farms and insect pests on fruit, vegetables, cereals, forage, ornamentals and forest.

READ THE LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN AND/OR UNAUTHAURIZED PERSONNEL

REGISTRATION NO. 20402. PEST CONTROL PRODUCTS ACT.

NET CONTENTS 6 LITRES

GUARANTEE :

«This product contains DIMETHOATE at 68.75%, which requires further toxicolgal testing.»

Dimethoate

400 g per litre

Plus (9021-7993 Québec Inc.)

~~300, Chapleau, Suite 101, Saint-Hyacinthe J2S 6V9~~

16265 Grand Rang St-Francois, Saint-Hyacinthe QC J2T 5H2

DIRECTIONS FOR USE

FRUIT INSECTS : For control of insects and mites on fruit, apply in accordance with the directions in the following tables. Applications should be made as thorough cover sprays, commencing when the insects first appear and repeated as necessary.

Pest Quantity of Dimethoate Plus per 1000 litres of spray

PEARS. Do not apply within 14 days of harvest

Pear psylla 925 mL

Mites 925 mL to 1,5 L

Control of mites and of pear psylla may be unsatisfactory in areas where populations resistant to the organophosphate insecticides have developed. Loganberries (non-bearing only)

LEAFHOPPERS AND APHIDS † 750 mL

Raspberry root borer †† 500 mL to 925 mL

† Apply to foliage when insects first appear. Repeat when second generation of leafhoppers appears.

†† Apply as a drench to loganberry crowns in the Spring, at the rate of 1 pt. per plant. This drench treatment also gives persistent control of leafhoppers and aphids.

VEGETABLE INSECTS : Note : All applications should be made in sufficient water to obtain good coverage, and repeated as necessary. Spray applications should be timed according to insect infestation.

Pest Quantity of Dimethoate Plus per hectare

BEANS (Snap, lima, pole and field). Do not apply within 7 days of harvest. Do not feed or graze treated forage to livestock.

Aphids, bean weevil, leafhoppers, leaf miners, mites, lygus bugs, tarnished plant bug 850 mL to 1,25 L

COLE CROPS (Cauliflower, broccoli and Brussels sprouts). Do not apply to brocoli or cauliflower within 4 days of harvest, or to Brussels sprouts within 21 days of harvest.

Aphids 850 mL to 1,25 L

LEAFY VEGETABLES (lettuce, Swiss chard, kale, beet greens, turnip greens). Do not use on beet greens within 12 days of harvest. Do not use on other leafy vegetables listed within 7 days of harvest. Do not use on head lettuce.

Aphids, leafhoppers 850 mL

PEAS. Do not apply within 3 days of harvest. Do not feed or graze hay within 21 days of last application.

Aphids † 350 mL to 525 mL

† Application may be by aircraft or by ground equipment.

PEPPERS. Do not apply within 3 days of harvest.

Aphids 850 mL to 1,25 L

POTATOES. Do not use within 7 days of harvest.

Aphids, leafhoppers † 700 mL

† Spray to give complete coverage of tomato foliage.

TOMATOES. Do not use within 7 days of harvest.

Aphids, leafhoppers † 700 mL

† Spray to give complete coverage of tomato foliage.

Pest Rate of Dimethoate Plus

FIELD CROP INSECTS :Sprays should be applied when the pests first appear and repeated as the infestation warrants, or as otherwise directed below. Applications should be made in sufficient water to obtain good coverage and may be by aircraft or by ground equipment.

Pest Quantity of Dimethoate Plus per hectare

CEREALS. Do not apply to cereals within 12 days of harvest.

Grasshoppers † 525 mL to 1.0 L

Say stink bug 700 mL

† Use higher rate if mature grasshoppers present.

Forage crops and pasture. Do not pasture animals on treated areas within 48 hours following treatment at the 525 mL rate or within 7 days of treatment at the 1,0 L rate.

Do not harvest forage crops within 48 hours following treatment at the 525 mL rate or within 7 days at the 1,0 rate.

Grasshoppers † 525 mL to 1,0 L

Sweetclover weevil 1,0 L to 1,50 L

† Use higher rate if mature grasshoppers present.

Note : When the rates for sweet clover weevil are used, do not graze or harvest for forage within 28 days following treatment.

ALFALFA GROWN FOR SEED AND HAY. Do not apply during bloom. Do not graze or harvest within 28 days of last application. Do not apply more than once at the higher rate.

The lower rate may be applied twice.

Plant bug, lygus bugs, potato leafhopper 850 mL to 1,75 L

Pea aphid, grasshoppers 525 mL

HOUSEFLY CONTROL

RESIDUAL SPRAYS : Prepare a 1% Dimethoate spray by mixing 275 mL of Dimethoate Plus in 10,0 litres of water. Apply to ceilings, walls, stanchions and other surfaces on which flies are likely to alight in dairy barns, loafing pens, livestock sheds, calf barns, pig barns, poultry houses and other farm building. Application should be made to the point of run-off, 4 to 6 litres of spray cover 100 m² of area, depending on the absorbency of the surface to be treated. Repeat application as fly population warrants. Dimethoate Plus, when used as directed, controls flies - including chlorinated hydrocarbon resistant strains - for up to 6 to 8 weeks or longer.

Note : Remove dairy animals, calves under 1 month of age and poultry before spraying operations and keep them out for at least four hours. Do not spray animals or contaminate their feed and drinking water. Do not use in milk house (milk rooms) or dwellings.

Good sanitation and proper disposal of wastes are necessary in any fly control programme. Do not apply to freshly whitewashed surfaces.

SPOT SPRAYS. For fly control around doorways, window and other places where flies congregate, mix 30 mL of Dimethoate Plus with 1 litre of water and spray to the point of run-off with a knapsack or compressed air type sprayer.

GENERAL OUTDOOR USE. Mix 275 mL of Dimethoate Plus in 10 litres of water and thoroughly spray to the point of run-off where flies congregate around homes, recreation areas, garbage cans, animal quarters, food processing plants, warehouses, loading docks and refuse areas, making application to such areas as garbage cans, fences, walls, refuse containers.

RESISTANCE MANAGEMENT:

For resistance management, please note that DIMETHOATE PLUS contains a Group 1B Insecticide. Any insect population may contain individuals

naturally resistant to DIMETHOATE PLUS and other Group 1B insecticide. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of DIMETHOATE PLUS or other Group 1B insecticides with different groups that control the same pests in a field.

- Use tank mixtures with insecticides from a different group when such use is

permitted.

- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

- Monitor treated pest populations for resistance development.

- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

- For further information or to report suspected resistance contact (PLUS 9021-7993 inc.) at (1-800-363-1066)

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND/OR UNAUTHORIZED PERSONNEL. Use only as an insecticide. May be fatal if swallowed. May be adsorbed through the skin and eyes. Avoid spray mist and contact with concentrate. Wear rubber gloves and face shield when handling concentrate. Do not contaminate feed, food-stuffs or water supplies. Birds and other wildlife in treated areas may be harmed. Store in original container, tightly closed, out of the sun in a cool, safe place. Do not store at temperatures below 7° C.

Combustible liquid, flash point 50 ° C. Do not use or store near heat or open flame. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue level in U.S., contact 1 866 375-4648 or www.cropro.org.

FIRST AID : Wash thoroughly with soap and water if skin contamination occurs. If eyes contaminated, flush with plenty of water and get medical attention. If swallowed this product contains petroleum distillates. Consult with your medical staff regarding "inducing vomiting" and call a doctor or poison control center immediately. Do not wear contaminated clothing. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION : Contains dimethoate and anticholinesterase, organo-phosphorus insecticide, in cyclohexane solvent. Symptoms of poisoning include headache, blurred vision, nausea, weakness, discomfort in the chest and in advanced cases, vomiting, cyanosis, loss of reflexes, convulsions and coma.

DISPOSAL : 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Antidote : Atropine sulphate - 1 to 2 mg every 15 to 30 minutes if necessary.

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.

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 these conditions.

AERIAL APPLICATION INSTRUCTIONS

DIRECTIONS FOR USE : Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

USE PRECAUTIONS : Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module, developed by CAPCO.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse spray are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

OPERATOR PRECAUTIONS : Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label

recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

PRODUCT SPECIFIC PRECAUTIONS : Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1 (450) 771-7587 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following :

Volume : Apply the recommended rate in a minimum spray volume of 1 litre per hectare.

Other precautions specific to aerial uses should be included in this area, e.g., buffer zones around field edges or aquatic habitat, etc.

Notification Change

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.