



NUDRIN* 90 METHOMYL INSECTICIDE

Water Soluble Powder



ACTIVE INGREDIENTS	BY WEIGHT
Methomyl	
S-methyl N-(methylcarbamoyloxy)thioacetimidate	90%
INERT INGREDIENTS	10%
TOTAL	100%

EPA Reg. No. 201-324

201-324

ACCEPTED

FEB 15 1973

FOR THE FEDERAL INSECTICIDE AND FUNGICIDE BOARD REGISTERED UNDER NO. 201-324 SUBJECT: METHOMYL INSECTICIDE ATTACHED COMMENTS:

DANGER! **POISON**

DANGER! KEEP OUT OF REACH OF CHILDREN
See antidote and precaution statements below.

DANGER! MAY BE FATAL IF SWALLOWED OR INHALED
Do not breathe dust or spray mist.
Do not get in eyes, on skin, on clothing.

Wear goggles and a mask or respirator of a type passed by the U.S. Bureau of Mines as suitable for protection against insecticide dust or spray mist when mixing spray, loading, applying or otherwise handling. Wear clean clothes daily. Wash thoroughly after handling and before eating or smoking. Do not contaminate or store near feed or foodstuffs.

GENERAL DIRECTIONS

Shell NUDRIN 90 Methomyl Insecticide is recommended for control of certain insects on cabbage, broccoli, cauliflower, brussel sprouts, head lettuce, celery, tomatoes, sweet corn, tobacco (except shade), potatoes, peanuts and commercial plantings of chrysanthemums.

Shell NUDRIN 90 Methomyl Insecticide is a dry powder to be dissolved in water for application by conventional tractor-mounted spray equipment and may also be used in aerial application on corn. Use only in commercial plantings; do not use in home plantings.

Shell NUDRIN 90 Methomyl Insecticide should be used only in accordance with recommendations on this label, or in separate published Shell recommendations available through local dealers.

USE AND DIRECTIONS FOR APPLICATION

Spray Preparation - Fill spray tank 3/4 to 1/2 full of water. Add Shell NUDRIN 90 Methomyl Insecticide directly to spray tank. Mix thoroughly to fully dissolve the insecticide; once dissolved, continued agitation is not required. Use mechanical or hydraulic means; do not use air agitation.

Application - Apply at the recommended rates when insects first appear. Unless otherwise noted, continue application at 5- to 7-day intervals or as needed. Use sufficient water to obtain thorough, uniform coverage. Apply the low rates on small plants, small worms and light infestations of insects; Use intermediate rates on larger worms and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

The number of days in parentheses following the dosage rates is the preharvest interval which must be allowed between the last application and harvest.

Broccoli, Cauliflower: Cabbage Looper, Imported Cabbage Worm, Diamondback Moth - 1/4 to 1 lb. per acre; up to 1/2 lb. (7 days), over 1/2 lb. (14 days). Add a spreader-sticker at the rate of 2 to 4 fl. ozs. per 100 gal.

Cabbage: Cabbage Looper, Imported Cabbage Worm, Diamondback Moth - 1/4 to 1 lb. per acre (1 day). Add a spreader-sticker at the rate of 2 to 4 fl. ozs. per 100 gal.

Brussels Sprouts: Cabbage Looper, Imported Cabbage Worm - 1/2 to 1 lb. per acre (14 days). Add a spreader-sticker at the rate of 2 to 4 fl. ozs. per 100 gal.

Celery: Cabbage Looper - 1 lb. per acre (14 days) by ground application only.

Lettuce (Head): Cabbage Looper, Alfalfa Looper, Beet Armyworm - 1/4 to 1 lb. per acre; up to 1/2 lb. (14 days), over 1/2 lb. (21 days).

Tomatoes: Cabbage Looper, (Beet Armyworm), Tomato Fruitworm, Aphids - 1/4 to 1 lb. per acre. Apply at 5 to 7 day intervals. For Tomato Fruitworm spray at first fruit set. For Cabbage Looper, Beet Armyworm and Aphids, spray when insects first appear on foliage.

Corn (Field, Popcorn, Sweet): Corn Earworm - 1/4 to 1/2 lb. per acre. Begin applications when silks first appear and repeat at 1- to 3-day intervals until silks are dry or brown. Use sufficient water to obtain thorough coverage. For aerial application, use 5 to 15 gal. of water per acre.

For whorl treatment apply 1/3 to 1/2 lb. per acre at weekly intervals or as needed. When ground spraying, direct spray from above and from each side of plant to thoroughly wet upper leaves and to run down into the whorl.

Do not graze or feed treated plants to livestock within 3 days after last application.
Pilot should not assist in the mixing and loading operations.
Tobacco (except shade): Flea Beetle - 1/4 to 1/2 lb. per acre (7 days); begin when plants are set in field. Hornworm - 1/4 to 1/2 lb. per acre (7 days); begin before largest worms exceed 1 1/2" in length. Aphids - 1/2 lb. per acre (7 days). Cabbage Looper - 1/2 lb. per acre (7 days); begin when worms first appear. Budworm - 1/2 lb. per acre (7 days); include 2 to 3 applications before flower buds open; direct spray into bud. Do not apply within 7 days of harvest on tobacco to be flue cured. Do not apply within 14 days of harvest on tobacco to be air or fire cured.
Peanuts, East of the Mississippi River: Corn Earworm - 1/4 to 1 lb. per acre (14 days). Allow crop to dry in the field for a minimum of one week after digging and before combining. DO NOT FEED TREATED VINES TO LIVESTOCK.
Potato: United States - Cabbage Looper, Potato Tuberworm - 1/2 lb. per acre (14 days). East of Mississippi - Leafhoppers, Flea Beetles, Aphids - 1/2 lb. per acre (14 days).
Chrysanthemums: Cabbage Looper, Corn Earworm, Beet Armyworm, Thrips - 1/4 to 1/2 lb. per 100 gal. water at weekly intervals as needed to commercial plantings of chrysanthemums.

ANTIDOTE AND FIRST AID

Atropine is the emergency antidote for Shell NUDRIN 90 Methomyl Insecticide poisoning. Call a physician at once in all cases of suspected poisoning.

INTERNAL: If swallowed, induce vomiting immediately. This may be done by introducing a finger into the throat or by giving a tablespoonful of salt in a glass of warm water and repeat until vomit fluid is clear. If inhaled, remove from exposure. Have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. (NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.)

EXTERNAL: In the case of contact, wash skin with plenty of soap and water. For eyes, flush with water for 15 minutes and get medical attention; remove and wash contaminated clothing before re-use.

If warning symptoms appear (see warning symptoms below), keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing. Transport the patient immediately to the nearest hospital.

NOTE TO THE PHYSICIAN

Warning Symptoms - Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

Treatment - Atropine sulfate is the therapeutic antagonist of choice. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use morphine or 2-PAM.

IMPORTANT - Not for use or storage in or around the home. Keep animals and unprotected persons out of operational areas during treatment and while there is danger of drift. Do not re-use container; bury when empty. Do not contaminate water when cleaning equipment or disposing of wastes or containers.

This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds. Birds feeding on treated areas may be killed. This product is toxic to bees and should not be applied when bees are actively visiting the area. Do not apply when weather conditions favor drift from areas treated. Do not apply when run-off is likely to occur. Apply this product only as specified on this label.

NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

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Sold Under U.S. Patent Numbers 3576834 and 3639633.

NET WEIGHT: 10 POUNDS

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