

20-JAN-1997

RESTRICTED

NET CONTENTS 2 kg

APM® 50W

WETTABLE POWDER INSECTICIDE

To Control Insect Pests on Fruits,
Vegetables and Ornamentals

DANGER

POISON

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: azinphos-methyl 50%

REGISTRATION NO. 16412
PEST CONTROL PRODUCTS ACT

Norac Concepts Inc.
P.O. Box 40577
Burlington, ON
L7P 4W1

D96/A-1

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Poisonous if swallowed, inhaled or absorbed through the skin. Wear protective clothing, natural rubber gloves, goggles and respirator effective for protection against azinphos-methyl. Wash thoroughly before eating or smoking. Wash all clothing in soap and hot water before reuse. Work upwind. Watch wind drift and keep unprotected people away from the area. If entry to area within two days of treatment is required, wear protective clothing. Do not handle plants until spray deposit has dried. Store in a cool, dry place. Do not store product near food, feed or forage. Do not use on food crops

grown in greenhouse. Avoid breathing fumes, dust or spray mist. Do not contaminate any body of water.

FIRST AID:

In case of accident, call physician or poison control centre immediately. If swallowed, lie patient down and keep him quiet. Induce vomiting. Administer milk or water freely, again inducing vomiting until vomit is clear. If In eyes, immediately flush with flowing water for 15 minutes. If on skin, immediately remove with soap and water.

SYMPTOMS OF POISONING:

Sense of "tightness" in the chest, sweating, contracted pupils, stomach pains, vomiting and diarrhea.

TOXICOLOGICAL INFORMATION:

Atropine sulfate is antidotal. Repeated therapeutic doses to point of tolerance may be required. 2-PAM is also antidotal and may be used in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of central, parasympathetic and somatic nervous systems. Do not give morphine. Pulmonary edema may occur even after 12 hours. At first sign of edema, place patient in oxygen tent and treat symptomatically.

EMERGENCY TELEPHONE NUMBER:

All hours, (613)787-5620 ONLY for health and environmental information.

DISPOSAL:

Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its 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 Provincial Regulatory Agency or the Manufacturer.

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 stored and displayed apart from food or feed.

RESTRICTED USES/ DIRECTIONS FOR USE:

APM 50W can be mixed with water to form a suspension which can be applied in conventional ground spray equipment. It is suggested that the required amount of APM 50W be pre-mixed in a small quantity of water before adding to the spray tank. Add the pre-mix. The solution should be agitated during filling and mixing.

COMPATIBILITY:

APM is compatible with most fungicides and other pesticides used in the spray schedule. Check compatibility prior to pre-mixing and test mixture where questionable.

RECOMMENDATIONS:

Unless otherwise specified, rates are given in terms of APM 50W per hectare. If expressed in kg/ha, sufficient water to provide thorough coverage should be used. Except as specified, begin applications before or at first signs of insects and repeat as necessary to maintain control. Consult authorities for specific information on time, number and rate of applications which frequently varies with local conditions.

SPRAYING:

Work to windward. Protect sprayer operators from drift or mist. When low volumes of spray are applied, complete coverage and thorough applications are essential for most effective results.

FRUIT:

APPLE, PEAR, CRABAPPLE, QUINCE - aphids, apple maggot, codling moth, eyespotted budmoth, fruit tree leafroller, green fruitworm, leafhoppers, mealybug, oblique-banded leafroller, pale apple leafroller, pear psylla, plum curculio, Putnam scale (crawlers), red banded leafrollers, San Jose scale (crawlers), stink bug, tarnished plant bug, winter moth: Use 2 to 2.75 kg/ha for early season pest control (2 sprays). For later season control make 4 applications at the 2 to 2.5 kg/ha rate, followed by 2 applications at the 2 kg/ha rate. Do not apply within 7 days of harvest. Do not graze livestock in treated orchard or groves for 21 days after treatment.

NOVA SCOTIA - pale apple leafroller, winter moth: Use 200 to 400 g/ha. Consult local agricultural authorities for specific instructions on timing. Do not apply within 7 days of harvest. Do not graze livestock in treated orchards or groves for 21 days after treatment.

APRICOT, PEACH - aphids, European fruit lecanium (crawlers), oblique-banded leafroller, oriental fruit moth, plum curculio, redbanded leafroller, San Jose scale (crawlers), stink bug, tarnished plant bug, terrapin scale (crawlers), tussock moth/walnut scale (crawlers): Use 2 to 2.5 kg/ha. Apply for thorough coverage. Repeat as necessary. Do not apply within 21 days of harvest. Do not graze livestock in treated orchards or groves for 21 days after treatment.

American plum borer, lesser peachtree borer, peach twig borer: Use 2 to 3 kg/ha. Apply for thorough coverage. Repeat as necessary. Do not apply within 21 days of harvest. Do not graze livestock in treated orchards or groves for 21 days after treatment.

CHERRY - cherry fruit fly, eyespotted budmoth, fruit tree leafroller, mites, lesser peachtree borer, plum curculio, San Jose scale (crawlers): Use 2 to 4.25 kg/ha. Apply for thorough coverage. Repeat as necessary. For lesser peachtree borer, use 3.5 to 4.25 kg/ha. Do not apply within 15 days of harvest. Do not graze livestock in treated orchards or groves for 21 days after treatment.

PLUM - aphids, eyespotted budmoth, fruit tree leafroller, orange tortrix, plum curculio, redbanded leafroller, San Jose scale (crawlers), tarnished plant bug: Use 1.75 to 4.25 kg/ha. Apply for thorough coverage. Repeat as necessary. Do not apply within 15 days of harvest. Do not graze livestock in treated orchards or groves for 21 days after treatment.

NUTS:

WALNUTS - aphids, codling moth, filbertworm: Use 1 to 2.25 kg/1000 L. Apply for thorough coverage. Repeat as necessary. Do not apply after husks fall. Do not graze livestock in treated orchards or groves for 21 days after treatment.

SMALL BRUSH FRUIT:

BLACKBERRY, BOYSENBERRY, LOGANBERRY, RASPBERRY - leafhoppers: Use 1.1 kg in 1800 L of water per hectare. Apply for thorough coverage. Repeat as necessary. Do not apply within 3 days of harvest.

Aphids, leafminers, leafrollers, obscure root weevil: Use 1.75 kg in 1800 L of water per hectare. Apply for thorough coverage. Repeat as necessary. For root weevil, apply to the lower portion of the canes and to the soil beneath the plants, using approximately 1800 L of water. Do not apply within 3 days of harvest.

Raspberry crown borer: Use 2.25 to 4.5 kg in 1800 L of water per hectare. Apply to the lower portion of the canes and to the soil beneath the plants. Apply only before fruit set or after harvest.

BLUEBERRY - blueberry maggot, fruitworm, lecanium scale (crawlers), plum curculio: Use 1.1 to 2.5 kg in 1800 L of water per hectare.

AIRCRAFT OR GROUND APPLICATION: Apply for thorough coverage. Use the 1.1 kg rate for blueberry maggot. Do not apply within 14 days of harvest.

CRANBERRY - cranberry fruitworms, fireworms, tipworm: Use 1.1 to 2.5 kg in 1800 L of water per hectare. Apply for thorough coverage. Use the 2.5 kg/ha rate for fireworms. Do not apply within 14 days of harvest.

CURRENTS - aphids, currant borer, fruitworm, leafroller: Use 1.1 to 1.25 kg in 1800 L of water per hectare. Apply for thorough coverage. Do not apply within 14 days of harvest.

GRAPE - grape berry moth, grape cane girdler, grape flea beetle, leafhoppers, leafrollers: Use 0.5 to 1.25 kg/1000 L. Apply for thorough coverage. Do not apply within 5 days of harvest for rates up to 925 g per treatment and 28 days of harvest for rates between 925 g and 1.25 kg/1000 L. Do not apply more than 4 applications per season.

STRAWBERRY - aphids, meadow spittlebug, oblique-banded leafroller, strawberry leafroller, omnivorous leafhopper, obscure root weevil, pea leaf weevil, whitefly: Use 1.1 kg in 1800 L of water per hectare. Apply for thorough coverage. Repeat as necessary. Do not apply within 5 days of harvest.

VEGETABLES:

BEAN (DRY, SUCCULENT) - leafroller: Use 0.55 to 1.1 kg/ha. Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 3 days of harvest. Aphids, green cloverworm, leafminers: Use 0.85 to 1.1 kg/ha. Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 3 days of harvest. Leafhoppers, Mexican bean beetle, spotted cucumber beetle, striped cucumber beetle: Use

1.1 kg/ha in sufficient water for complete coverage. Repeat as necessary. Do not apply within 3 days of harvest.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER - aphids, cabbage looper, diamondback moth, imported cabbageworm: Use 1.1 to 1.75 kg/ha. Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within the following days before harvest; broccoli - 15, brussels sprouts - 7, cabbage - 21 and cauliflower - 15 days. Cabbage maggot: Use 1 kg in 1000 L. Apply 100 to 150 mL to each plant at or immediately after transplanting. Do not apply within 21 days of harvest.

CUCUMBER (FIELD) - spotted cucumber beetle, striped cucumber beetle: Use 1.1 kg/ha in sufficient water for complete coverage. Repeat as necessary. Do not apply within 6 days of harvest.

POTATO - Colorado potato beetle: Use 0.55 to 0.85 kg/ha. Apply for thorough coverage. Repeat as necessary. Do not apply within 7 days of harvest. Aphids, European corn borer, leafhoppers, meadow spittlebug, potato flea beetle, tarnished plant bug: Use 1.1 to 1.75 kg/ha. Apply for thorough coverage. For aphids, use the 1.75 kg rate. Repeat as necessary. Do not apply within 7 days of harvest.

RUTABAGA, TURNIP - cabbage maggot: Use 35 g in 18 to 22 L per 100 m of row.

QUEBEC AND ATLANTIC PROVINCES ONLY: Apply as a postplanting drench in a 10 to 15 cm band over the row. Repeat as necessary with a minimum of 30 days between applications. Consult local authorities for proper timing. Do not apply within 35 days of harvest.

SPINACH - aphids, leafminers: Use 0.85 to 1.1 kg/ha in sufficient water for complete coverage. Repeat as necessary. Do not apply within 14 days of harvest.

TOMATO (FIELD) - Colorado potato beetle: Use 0.85 kg/ha in sufficient water for complete coverage. Repeat as necessary. Do not apply within 2 days of harvest. Drosophila, green stink bug, hornworms, leafminers, tomato fruitworm, white fly: Use 0.85 to 1.1 kg/ha in sufficient water for complete coverage. Repeat as necessary. Do not apply within 2 days of harvest. Aphids, European corn borer, flea beetles, leafhoppers, thrips: Use 0.85 to 1.1 kg/ha in sufficient water for complete coverage. Repeat as necessary. Do not apply within 2 days of harvest.

FIELD CROPS:

ALFALFA, CLOVER - alfalfa plant bug, alfalfa weevil, aphids,

clover leaf weevil, fleahopper, leafhoppers, lesser clover weevil, lygus bugs, spittlebugs: Use 1.1 to 1.75 kg/ha. AIRCRAFT OR GROUND APPLICATION: Use a minimum of 100 L of water per hectare with ground equipment, a minimum of 45 L in aircraft application. It may be necessary to use 175 to 225 L/ha of water on heavy growth to control the alfalfa weevil. Do not apply within 21 days of harvest. Sweet clover weevil: Use 1.1 kg/ha. AIRCRAFT OR GROUND APPLICATION: Use a minimum of 100 L of water per hectare with ground equipment, a minimum of 45 L in aircraft applications. Do not apply within 21 days of harvest.

BARLEY, OATS, RYE, WHEAT - cereal leaf beetle: Use 0.85 kg/ha in sufficient water for complete coverage. Do not make more than one application to a crop. Do not apply within 30 days of harvest.

CANOLA* - diamondback moth larvae: Use 0.28 to 0.55 kg/ha OR flea beetles: Use 0.15 kg/ha using a minimum of 100 L/ha of water. Repeat as necessary. Do not apply within 30 days of harvest. Red turnip beetle: Use 0.28 to 0.4 kg/ha sprayed. Apply as a border or barrier treatment in an 18 to 30 m wide band around the field.

SUGAR BEETS* - flea beetle (adult): Use 0.15 kg/ha. Apply in a minimum of 100 L/ha of water. Do not apply more than once per season nor within 100 days of harvest.

SUNFLOWERS* - sunflower beetle (adult): Use 0.55 kg/ha in a minimum of 100 L of water. Application can be made as required from the seedling stage until the sunflowers have reached full height. Two applications at 7 to 14 days interval may be required. Do not apply more than two times per season or after heads begin to form. * Minimum size spray tips for ground sprayers are 6502, 8002, TK2 or other makes of similar size. Nozzle screens should not be less than 50 mesh.

TOBACCO - aphids, hornworms, tobacco flea beetle: Use 1.75 kg/ha. Treat for hornworm larvae as soon as egg masses or worms are first found. Second-brood hornworms and flea beetles may require 2 applications. Prime before treating. Do not apply within 6 days of harvest.

VETCH (SEED CROP) - aphids, bruchid: Use 1.1 kg/ha. Apply as a spray. Do not feed crop residue to livestock.

ORNAMENTALS, NURSERY PLANTS - aphids, Euonymus scale (crawlers), lacebugs, leafhoppers, thrips: Use 1 to 1.25 kg/1000 L. Spray all foliage surfaces for complete coverage. Repeat as necessary.

Brown soft scale (crawlers), European elm scale (crawlers): Use

1.75 to 2.5 kg in 1000 L. Spray all foliage surfaces for complete coverage. Repeat as necessary. For brown soft scale, use 2.5 kg in 1000 L as a spray.

Cone midge, cone moth: Use 4.75 to 10 kg in 1000 L. Time applications to coincide with insect flight, when cones are open for pollination. Thorough coverage of cones is necessary for maximum protection. Repeat as necessary.

Coneworm, seedworm: Use 3.5 to 3.75 kg to 1000 L. Time applications to coincide with moth flight, when cones are open for pollination. Thorough coverage of cones is necessary for maximum protection. Repeat as necessary.

European pine shoot moth, Nantucket pine tip moth: Use 0.85 to 1.75 kg/ha. Time applications to coincide with moth flight. For Nantucket pine tip moth, use 1.75 kg/ha.

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: APM 50W is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits which may be required.

RESTRICTED USES:

FOREST - aphids, Euonymus scale (crawlers), lace bugs, leafhoppers, thrips: Use 1 to 1.25 kg/1000 L of water. Spray all foliage surfaces for complete coverage. Repeat as necessary. Brown soft scale (crawlers), European elm scale (crawlers): Use 1.75 to 2.5 kg in 1000 L of water. Spray all foliage surfaces for complete coverage. Repeat as necessary. For brown soft scale use the higher rate. Cone midge, cone moth: Use 4.75 to 10 kg in 1000 L of water. Time applications to coincide with insect flight, when cones are open for pollination. Thorough coverage of cones is necessary for maximum protection. Repeat as necessary. Coneworm, seedworm: Use 3.5 to 3.75 kg in 1000 L of water. Time applications to coincide with moth flight, when cones are open for pollination. Thorough coverage of cones is necessary for maximum protection. Repeat as necessary. European pine shoot moth, Nantucket pine tip moth: Use 0.85 to 1.75 kg/ha. Time applications to coincide with moth flight. For Nantucket pine tip moth, use 1.75 kg/ha.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set on the

label, and subject thereto, the buyer assumes any risk to persons or property arising from the use or handling and accepts the product on that condition.

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