

MAY 23 1991

S 390127 325 / 17

Mr. Larry R. Hodges
Registration Manager
Rhone-Poulenc Ag. Company
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Dear Mr. Hodges:

Subject: Mocap 10% Granular
EPA Registration No. 264-465
Your Amended Labeling Submitted January 14, 1991

The amendment, referred to above, submitted in connection with registration under FIFRA, is acceptable, provided that you submit five (5) copies of your final printed labeling incorporating the following corrections before you release the product for shipment.

1. In accordance with your phone conversation of May 8, 1991 with a member of my staff, it is understood that the label revisions numbered 7 and 8 proposed in your letter of January 14, 1991 will not be made. Accordingly, the following label deletions must be made:
 - a. Delete the instructions to use ". . . subsurface placement equipment" appearing in the "Application Procedures" for turfgrass.
 - b. Delete the instructions for use as multiple applications at split rates on turfgrass.

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

2. The following statement regarding the unpleasant odor associated with the product constitutes an implied safety claim and, as such, must be deleted.

Mercaptan is not a cholinesterase inhibitor and has no pesticidal activity.

This statement gives the user the misleading impression that the formation of the odor renders the product less toxic. Irregardless of the toxicity of the impurity, the product itself is still a cholinesterase inhibitor.

3. Under the Office of Pesticide Programs' current policy regarding wetlands labeling, the statement, "Do not apply directly to water or wetlands" must be revised to read as follows:

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

4. Revise the reentry statement appearing under the heading, "Directions for Use" as indicated below in order to obtain consistency with the required statement, "Do not allow unprotected humans or animals to enter areas treated with Mocap brand 10% Granular Nematicide-Insecticide until grass and soil surface have dried following incorporation with water."
 - o Change the current statement, "Unprotected persons may enter treated field/area after chemical has been mixed into the soil or watered into the turfgrass" to read: Unprotected persons may enter treated field/area after chemical has been mixed into the soil or watered into the turfgrass and grass and soil surface have dried.
5. The instructions to incorporate granules in turn areas is a required rather than an advisory statement. Therefore, revise the sentence, "When treating agricultural crops, granules lying on the soil surface in turn areas at row ends should be incorporated to remove possible hazard to birds and other wildlife" to read: When treating agricultural crops, granules lying on the soil surface at row ends must be incorporated to remove possible hazard to birds and other wildlife."

You stated in your letter of January 14, 1991 that the amount of water required for incorporation was changed from .5" to .1" to make it more practical and to be in agreement with common cultural practices. You are reminded that the amount of water recommended on the label must agree with that utilized in any study conducted to measure the amount of residues likely to remain on the treated surface following application and watering-in of the subject product.

FOR SHIPMENT OF THE PRODUCT BEARING THE AMENDED LABELING CONSTRUCTION
acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Fungicide Branch
Registration Division (H7505C)

Enclosure

KEEP OUT OF REACH OF CHILDREN

WARNING ADVISO

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.
TRANSLATION TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-334-9745

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Give 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician, Poison Control Center, or hospital emergency room.

If not breathing, give mouth to mouth artificial respiration.

IF ON SKIN: Immediately remove all contaminated clothing, and wash skin with soap and water. Get medical attention. Wash clothing before reuse. Discard contaminated shoes.

FOR EYES: Flush with plenty of water for at least 15 minutes. Call a physician immediately in all cases of suspected poisoning.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention. Persons providing first aid should prevent contamination of themselves.

NOTE TO PHYSICIAN

This product is a cholinesterase inhibitor. Severe symptoms and signs include diarrhea, pinpoint and non-reactive pupils, respiratory difficulty, pulmonary edema, cyanosis, loss of sphincter control, convulsions, and coma. Support respiration as needed. Measures should include removal of secretions, maintenance of a patent airway, and if necessary, artificial ventilation.

If cyanosis is absent, give ATROPINE 2-4 mg intravenously (0.05 mg/kg for children). Repeat atropine at 5-10 minute intervals until atropinization occurs (dry, flushed skin, tachycardia, pupillary dilatation), and maintain for 48 hours. If cyanotic, give initial atropine intramuscularly and start measures to improve ventilation.

Start 2-PAM (PROTOPAM, Ayerst) at the same time. Give 1-2 grams PROTOPAM (20-40 mg/kg for children) in 100cc saline over 15-30 minutes. If pulmonary edema is present, give intravenously slowly as a 5% solution in water over a period of at least 5 minutes. A second dose may given after one hour if muscle weakness persists. Additional doses may be given cautiously for persistent muscle weakness. May be given by intramuscular or subcutaneous routes if intravenous administration is not feasible.

In case of skin contact, wash patient with soap and water followed by wash with 95% ethyl alcohol. Keep patient under constant observation for 24-36 hours. Symptoms may persist for one month.

The use of theophylline, morphine, barbiturates, phenothiazines, reserpine, and succinyl choline is contraindicated.

PRECAUTIONARY STATEMENTS

WARNING

HAZARD TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed, inhaled or absorbed through skin. Rapidly absorbed through skin. Wear protective clothing including rubber gloves. In case of contact, wash immediately with soap and water. Do not breathe fumes or dust. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement & Safety Administration and the National Institute for Occupational Safety and Health. After use, wash hands, arms and face thoroughly with soap and warm water before eating or smoking. Wash all clothing with soap and hot water before reuse. Discard contaminated shoes. Do not contaminate feed or food.

Do not store in or around the home.

SYMPTOMS OF POISONING: Nausea, vomiting, abdominal cramps, diarrhea, excessive salivation, headache, dizziness, weakness, blurring or dimness of vision, excessive tearing, loss of muscular coordination, slurring of speech, twitching of muscles (especially of tongue and eyelids), mental confusion, disorientation, drowsiness, difficulty in breathing (chest tightness), runny nose.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms (fish and invertebrates), and wildlife. Birds feeding in treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Cover, incorporate or clean up granules that are spilled during loading or are visible on soil surface in turn areas. Do not contaminate water when disposing of equipment wash water.

DIRECTIONS FOR USE

**It is a violation to Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.**

Unprotected persons may enter treated field/area after chemical has been mixed into the soil or watered into the turfgrass. When treating agricultural crops, granules lying on the soil surface in turn areas at row ends should be incorporated to remove possible hazard to birds and other wildlife.

Do not apply in Long Island, New York.

STORAGE AND DISPOSAL

STORAGE

Do not store in or around the home. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide granules, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

COMMERCIAL TURFGRASS (Such As: Golf Courses and Sod Farms) NOT FOR USE ON DOMESTIC TURFGRASS

GENERAL CAUTIONS AND RESTRICTIONS

General Precautions

Always wear protective clothing and use appropriate equipment during application and handling. Avoid contact with granules or breathing dust. Do not apply with equipment carried on the chest or applicators which are likely to grind the granules or scatter granules outside the area intended for treatment.

DO NOT allow unprotected humans or animals to enter areas treated with MOCAP® brand 10% Granular Nematicide-Insecticide until grass and soil surface have dried following incorporation with water. Do not cut sod or handle cut sod which has been treated for a period of 21 days after treatment.

Incorporation Information

MOCAP® brand 10% Granular Nematicide-Insecticide must be incorporated immediately after application with at least 0.1 inch of rainfall or irrigation. Failure to incorporate with water may result in a hazard to animals, poor pest control, injury to turfgrass, and longer persistence of mercaptan odor.

The unpleasant odor associated with MOCAP® brand 10% Granular Nematicide-Insecticide is due to mercaptan, an impurity and breakdown product of ethoprop, the active ingredient. Mercaptan is not a cholinesterase inhibitor and has no pesticidal activity. At the extremely low concentrations present following application of MOCAP® brand 10% Granular Nematicide-Insecticide, the odor may be offensive to some persons.

General Information

When used in accordance with label directions MOCAP® brand 10% Granular Nematicide-Insecticide will provide control of certain insects and nematodes in turfgrass. MOCAP® brand 10% Granular Nematicide-Insecticide must be incorporated with rainfall or irrigation immediately after application. Residual activity may vary with rate, environmental conditions, and pest being controlled.

The pesticidal activity of MOCAP® brand 10% Granular Nematicide-Insecticide is not affected by normal applications of fertilizers or other pesticides. Its effectiveness may be reduced if applied with highly alkaline materials.

Turfgrass Response Information

Avoid application of MOCAP® brand 10% Granular Nematicide-Insecticide to newly seeded areas until grass is well established. Overseeding treated areas soon after application of MOCAP® brand 10% Granular Nematicide-Insecticide may cause injury to young grass seedlings.

To prevent turfgrass injury avoid application to wet foliage. Exceeding recommended rates or overlapping swath widths may result in turfgrass injury.

Do not apply rates greater than 2.3 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet of turf (100 lbs/A) to greens, tees, or other turfgrass cut to height of less than 0.375 inch. Bentgrass and ryegrass are more sensitive to ethoprop than other turfgrass species. Phytotoxicity is likely to occur when using ethoprop on these

species; however, the turf will normally outgrow this injury. If the risk of injury is unacceptable to not
his product.
at certain conditions Chinese Elm has shown sensitivity to ethoprop. When Chinese Elm are present in the landscape do not apply
MOCAP® brand 10% Granular Nematicide-Insecticide within the dripline to prevent potential injury.

APPLICATION PROCEDURES

Application may be made using standard drop spreaders, broadcast spreaders, or subsurface placement equipment. Calibrate and adjust equipment prior to application to insure proper rate and accurate placement.

Retreatment of new pest infestations with MOCAP® brand 10% Granular Nematicide-Insecticide is allowed as necessary. However, do not apply more than 400 pounds per acre per year (40.0 lbs ai/A/year) in any combination of treatments. Do not exceed the maximum labeled rate of 200 pounds per acre (4.6 lbs/1000 sq ft or 20.0 lbs ai/A) at any single application.

FOR TURFGRASS INSECT CONTROL

To control White Grubs (such as Japanese beetle, Chafer beetle, and *Phyllophaga* spp. larvae), Black Turfgrass Ataenius adults and larvae, Chinch bugs, Cutworms, Bluegrass Billbug adults and larvae, and Sod Webworm larvae; apply 1.15 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet of turf (50 lbs/A).

For Mole Crickets control apply 1.7 to 2.3 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet of turf (75 to 100 lbs/A). Use higher rate for heavy infestations and older insects.

FOR TURFGRASS NEMATODE CONTROL

MOCAP® brand 10% Granular Nematicide-Insecticide will provide control of the following species of turfgrass nematodes: Lesion, Pin, Ring, Root-Knot, Spiral, Sting, Stubby Root, and Stunt. Suppression of Lance nematodes can be achieved with recommended rates.

Nematode control can be obtained with multiple applications of MOCAP® brand 10% Granular Nematicide-Insecticide applied at 45 to 120 day intervals beginning in early spring (March/April) through fall (October/November) according to any of the following recommended schedules:

Make five applications at 45 day intervals using 1.8 pounds per 1000 square feet of turf (78 lbs/A) beginning in March/April through September/October.

Make four applications at 60 day intervals using 2.3 pounds per 1000 square feet of turf (100 lbs/A) beginning in March/April through September/October.

Make three applications at 80 day intervals using 3.1 pounds per 1000 square feet of turf (135 lbs/A) beginning in March/April through September/October.

Make two applications at 120 day intervals using 4.6 pounds per 1000 square feet of turf (200 lbs/A) beginning in March/April with another in July/August.

Do not apply more than 400 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per acre per year (40.0 lb ai/A/year) in any combination of insect or nematode control treatments. Choose one of the above recommended schedules for nematode control that best fits your pest control needs for an integrated pest management strategy for season-long control of turfgrass insects and nematodes.

AGRICULTURAL CROPS

INCORPORATION INFORMATION FOR AGRICULTURAL CROP USES

MOCAP® 10% Granular Nematicide-Insecticide can be incorporated with a rotary tiller, rotary hoe, spring-tooth harrow, by double-discing or with other equipment for mixing the chemical with the soil to the depth recommended. Follow any specific incorporating directions given under the crop heading.

If moisture is applied immediately after application to carry the treatment into the soil, only shallow incorporation (1/4 to 1/2 inch) with mechanical equipment such as drag chains is required.

NEMATODES CONTROLLED/SUPPRESSED

	Bananas & Plantain	Cabbage	Field corn & Sweet corn	Cucumbers	Peanuts (planting)	Peanuts (pegging)	White (Irish) Potato	Sweet Potato	Snap beans & Lima beans	Soybeans	Sugarcane	Tobacco
BURROWING NEMATODES (<i>Radopholus similis</i>)	C											
DAGGER NEMATODES (<i>Xiphinema</i> spp.)			C							S		
CYST NEMATODES (<i>Heterodera glycines</i>) (<i>Heterodera cruciferae</i>) (<i>Heterodera schachtii</i>)		C C								S		
LESION NEMATODES (<i>Pratylenchus</i> spp.)	C	C	C	C	C	C	C		C	C	C	C
ROOT-KNOT NEMATODES (<i>Meloidogyne</i> spp.) (<i>Meloidogyne hapla</i>) (<i>Meloidogyne incognita</i>) (<i>Meloidogyne arenaria</i>) (<i>Meloidogyne javanica</i>) (<i>Meloidogyne chitwoodi</i>)	C	C C	C C	C C	C C	C C	C C	C C	C C	C	C	C C
LANCE NEMATODES (<i>Hoplolaimus</i> spp.) (<i>Hoplolaimus tylenchiformis</i>) (<i>Hoplolaimus columbus</i>)		S	C	S C					S			
SPIRAL NEMATODES (<i>Helicotylenchus</i> spp.) (<i>Rotylenchus</i> spp.)	C		C C	C			C	C	C	C		
STING NEMATODES (<i>Beloniolaimus</i> spp.) (<i>Beloniolaimus longicaudatus</i>)			C	C	C	C	C		C	C		
RING NEMATODES (<i>Criconebella</i> spp.) (<i>Criconebella ornata</i>)			C	C	C	C	C		C	C		
RENIFORM NEMATODES (<i>Rotylenchulus reniformis</i>)								C				
STUNT NEMATODES (<i>Tylenchorhynchus</i> spp.) (<i>Tylenchorhynchus claytoni</i>) (<i>Tylenchorhynchus marioni</i>)			C	C	C	C	C	C	C	C		C
STUBBY-ROOT NEMATODES (<i>Paratrichodorus</i> spp.) (<i>Trichodorus christiei</i>)		C	C	C	C	C	C	C		C		

C-----Control
S-----Suppression

INSECTS CONTROLLED/SUPPRESSED

	Bananas & Plantain	Field corn & Sweet corn	Peanuts (pegging)	White (Irish) Potato	Sweet Potato	Sugarcane	Tobacco
CORN ROOT WORM (<i>Diabrotica virgifera virgifera</i>) (<i>Diabrotica longicornis barberi</i>) (<i>Diabrotica undecimpunctata howardi</i>)		C C C	C				
WIREWORMS (<i>Conoderus</i> spp.) (<i>Conoderus vespertinus</i>) (<i>Conoderus falli</i>) (<i>Melanotus</i> spp.) (<i>Melanotus communis</i>) (<i>Limoni</i> spp.) (<i>Limoni</i> spp.) (<i>Limoni</i> spp.) (<i>Aeolus mellius</i>) (<i>Ctenicera</i> spp.) (<i>Ctenicera pruinina</i>) (<i>Eleodes</i> spp.)		C C C C C C C C C C C		C C C C C	C C	C	C
BLACK CUTWORM (<i>Agrotis ipsilon</i>)		C*					
SANDHILL CUTWORM (<i>Euxoa detersa</i>)		C*					
WHITE GRUBS (<i>Phyllophaga crinita</i>) (<i>Phyllophaga ophilida</i>)		S S			C		
BANDED CUCUMBER BEETLE (<i>Diabrotica balteata</i>)					C		
FLEA BEETLE LARVAE (<i>Chaetocnema confinis</i>) (<i>Systema blanda</i>)					C C		
LESSER CORNSTALK BORER (<i>Elasmopalpus lignosellus</i>)			S				
BANANA ROOT BORER (<i>Cosmopolites sordidus</i>)	C						

C-----Control
S-----Suppression

*NOTE: Under heavy infestations of cutworms, enough cutworms may survive to cause some crop damage. If this occurs, it may be necessary to apply a rescue treatment with another registered pesticide to control the surviving worm.

BANANA AND PLANTAIN

FOR NEMATODE AND BANANA ROOT BORER (*Cosmopolites sordidus*) CONTROL

Apply 60 grams of MOCAP® 10% Granular Nematicide-Insecticide in a radius of 3/4 meter around each producing stem or 2 ounces of MOCAP® 10% Granular in a radius of 30 inches. Before application, remove ground litter from area to be treated, and apply granules evenly. For best results, apply just before irrigation or a rainy period. If application is made during a dry period, mix granules into the top inch of soil with a rake. Repeat application in 6 months.

(SNAP AND LIMA)

NEMATODE AND GARDEN SYMPHYLAN (Scutigerella Immaculata) CONTROL

Row Treatment: Apply 20 to 30 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 1.4 to 2 pounds per 1,000 linear feet of row in band 12 to 15 inches wide on the row at-planting. Mix with the top 2 to 4 inches of soil. Use the higher rates in fields where nematode infestations have been especially severe. Do not use as a seed furrow treatment or allow granules to contact the seed.

FOR NEMATODE AND GARDEN SYMPHYLAN (Scutigerella Immaculata) CONTROL

Broadcast Treatment: Apply 60 to 80 pounds per acre from 3 days before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application. Use the higher rates in fields where nematode infestations have been especially severe.

NOTE: Beans grown in treated soil may remain green longer than other beans and mature 1 to 2 weeks later.

CABBAGE

FOR NEMATODE AND GARDEN SYMPHYLAN (Scutigerella Immaculata) CONTROL

Row Treatment: Apply 20 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 1.4 pounds per 1,000 linear feet of row in a band 15 inches wide on the row at-planting. Do not use as a seed furrow treatment or allow granules to contact the seed.

FOR NEMATODE AND GARDEN SYMPHYLAN (Scutigerella Immaculata) CONTROL

Broadcast Treatment: Apply 50 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre from 1 week before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application.

CORN (FIELD AND SWEET)

FOR CONTROL OF CORN ROOTWORMS, WIREWORMS, CUTWORMS, GARDEN SYMPHYLAN (Scutigerella Immaculata), NEMATODES AND SUPPRESSION OF WHITE GRUBS:

Row Treatment: Use 12 ounces of MOCAP® 10% Granular Nematicide-Insecticide per 1,000 feet of row. Rate per acre depends on row spacing as shown below:

Row Spacing	40	38	36	30	20
	Inches	Inches	Inches	Inches	Inches
Lbs. Per Acre	10	10.5	11.1	13.3	20

Apply the granules in a 6 to 7 inch band on the row over a closed seed furrow at-planting. Mix the granules with the top 1/2 inch of soil with drag chains, spring-tooth incorporators, or similar equipment.

FOR COMMONLY USED APPLICATORS, SEE CALIBRATIONS CHART BELOW

Suggested gauge settings for 12 ounces per 1,000 feet of row. (Do not change with row width). Be sure to calibrate your applicator under your operating conditions.

FOR APPLICATION RATE OF 12 OUNCES/1000 FEET OF ROW

Brand Of Applicator	SPEED IN MILES PER HOUR								
	2	3	4	5	6	7	8	9	10
Allis Chalmers	At all Speeds: GA9 = 11.35 Ounces . . . GA10 = 12.7 Ounces								
Gandy	19.1	23.5	26.7	29.5	32.1	34.5	36.6	38.7	40.8
International Harvester*	1/8.0	2/2.7	2/8.5	3/4.0	3/8.7	4/5.0	5/1.3	5/6.0	6/1.5
International Harvester (Cyclo)	1/5.7	1/9.3	2/4.7	3/0.5	3/5.1	4/0.6	4/5.8	5/1.5	5/7.0
John Deere**	1/29	2/6	2/13	2/19	2/27	3/1	3/6	3/11	3/15
John Deere (Max. Emerge.)	13	19	24	29	32	33	35	36	37
Noble	13	19	24	28	31	34	36	38	39
Noble (new)	9	11	14	17	20	22	25	27	29

*1/2.0 means Gate 1. Dial 8.0

**1/29 means Range 1. Notch 29

FOR CORN ROOTWORM CONTROL

Row Treatment: Use at the rates shown above for at-planting application. Apply at cultivation after plant emergence until layby. On small corn, apply in a 6 to 7 inch band over the row. On taller corn, apply in bands 3 to 4 inches wide on each side of the corn, directing the granules toward the base of the plants. Cover the granules with soil by making application immediately ahead of cultivation equipment.

FOR CUTWORM CONTROL

Broadcast Treatment: Apply 30 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre. Apply 3 days before planting to at-planting time. Mix with the top 2 inches of soil right after application.

NEMATODE CONTROL

Treatment: Apply 1 1/8 to 1 1/2 pound of MOCAP® 10% Granular Nematicide-Insecticide per 1000 feet of row in a band 12 to 15 inches wide on the row at-planting. Mix treatment with the top 2 to 4 inches of soil right after application. Rate per acre depends on row spacing as shown below:

Row Spacing	40 Inches	38 Inches	36 Inches	30 Inches	20 Inches
Lbs. Per Acre	15-20	15.5-21	16.3-22.2	19.6-26.6	30-40

FOR NEMATODE CONTROL

Broadcast Treatment: Apply 60 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre from 3 days before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application.

The treatments for nematode control will also control rootworms, wireworms, cutworms, garden symphylan (*Scutigerella immaculata*) and suppress white grubs.

CUCUMBER

FOR NEMATODE CONTROL

Row Treatment: Apply 20 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (7-foot row spacing) or 3.2 pounds per 1000 linear feet of row in a band 12 to 15 inches wide on the row at or just before planting. Prepare bed and knock off top to provide a level area for treatment. Mix with the top 2 to 4 inches of soil right after application. Do not use as a seed furrow treatment or allow granules to contact the seed.

PEANUT

FOR NEMATODE CONTROL

Row Treatment: Use 20 to 40 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36-inch row spacing) or 1.4 to 2.8 pounds per 1000 linear feet of row. Apply in a band 12 inches wide on the row at planting and mix with the top 2 to 4 inches of soil. Use the higher rates of MOCAP® 10% Granular for control of peanut root-knot nematode (*M. arenaria*), and in fields where nematode infestations have been especially severe. Do not use as a seed furrow treatment or allow granules to contact the seed.

Broadcast Treatment: Apply 40 to 60 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre. Make application from 1 week before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application. Use the higher rates of MOCAP® 10% Granular for control of peanut root-knot nematode (*M. arenaria*), and in fields where nematode infestations have been especially severe.

FOR NEMATODE AND CORN ROOTWORM CONTROL AND SUPPRESSION OF LESSER CORNSTALK BORER AND WHITE MOLD (*Sclerotium rolfsii*)

Row Treatment: Apply 30 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 2.1 pounds per 1000 linear feet of row in a band 15 to 18 inches wide on the row at pegging.

FOR CORN ROOTWORM CONTROL

Row Treatment: Apply 25 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 1.7 pounds per 1000 linear feet of row in a band 18 inches wide on the row at pegging.

NOTE: Pegging treatment should be incorporated lightly into the soil.

POTATOES

FOR CONTROL OF WIREWORMS AND GARDEN SYMPHYLAN (*Scutigerella Immaculata*)

Row Treatment: Apply 30 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 2.1 pounds per 1000 linear feet of row in a band 12 inches wide on the row at-planting. Mix with the top 2 to 4 inches of soil.

The following broadcast treatment is recommended for fields where wireworm injury has been (or is suspected to be) especially severe (i.e., potatoes planted following sod, pasture or new ground).

FOR CONTROL OF WIREWORMS AND GARDEN SYMPHYLAN (*Scutigerella Immaculata*)

Broadcast Treatment: Apply 40 to 60 pounds of MOCAP® 10% Granular Nematicide-Insecticide anytime from 2 weeks before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application.

FOR CONTROL OF GARDEN SYMPHYLAN (*Scutigerella Immaculata*) AND LESION, SPIRAL, STING, RING, STUNT, AND STUBBY-ROOT NEMATODES AND SUPPRESSION OF NORTHERN ROOT-KNOT AND SOUTHERN ROOT-KNOT NEMATODES

Row Treatment: Apply 30 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 2.1 pounds per 1000 linear feet of row in a band 12 inches wide on the row at-planting. Mix with the top 2 to 4 inches of soil.

FOR CONTROL OF GARDEN SYMPHYLAN (*Scutigerella Immaculata*) AND NORTHERN ROOT-KNOT, SOUTHERN ROOT-KNOT, LESION, SPIRAL, STING, RING, STUNT, NEMATODES, AND SUPPRESSION OF COLUMBIA ROOT-KNOT NEMATODE

Broadcast Treatment: Apply 60 to 120 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre. Apply by ground or aerial application as close to planting as possible, but no earlier than 2 weeks before planting, or apply before potato emergence. Mix with the top 2 to 4 inches of soil right after application if applied before planting. If applied after planting, apply 1/4 to 1/2 inch of water to incorporate in soil. Uniformity of application is important for best results.

For best suppression of Columbia Root-knot Nematodes, it is recommended that MOCAP® 10% Granular be applied following spring application of a registered fumigant nematocide. Do not exceed a maximum of 12 lbs. active ingredient per acre per season on potatoes.

SOYBEANS

FOR NEMATODE CONTROL

Row Treatment: Apply 15 to 30 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 1.0 to 2.1 pounds per 1,000 linear feet in a band 12 to 15 inches wide on the row from 1 week before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application. Use the higher rates in fields where nematode infestations have been especially severe. Do not use as a seed furrow treatment or allow spray to contact the seed.

NOTE: Soybeans treated with organophosphoric chemicals such as MOCAP® may be more susceptible to injury from Metribuzin and Propanil herbicides.

SUGARCANE

FOR NEMATODE AND WIREWORM CONTROL

Furrow Treatment: Apply 20 to 40 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (6 foot row spacing) or 2 3/4 to 5 1/2 pounds per 1,000 linear feet of row at-planting. Apply evenly in a band 12 to 15 inches wide, centered over the seed pieces in the opened furrow immediately before closing. Mix with the soil with a disc tiller or other suitable equipment as the cane is covered. Use the higher rates in fields where nematode and/or wireworm infestations have been especially severe.

SWEET POTATO

FOR NEMATODE, WIREWORM, WHITE GRUB, BANDED CUCUMBER BEETLE AND FLEA BEETLE LARVAE (Palestriped and Sweet Potato Flea Beetle) CONTROL

Row Treatment: Use 30 to 40 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre or 2.4 to 3.2 pounds per 1,000 linear feet of row (minimum 42 inch row spacing). Apply in a band 12 to 15 inches wide on the row 2 to 3 weeks before planting. Mix with the top 2 to 4 inches of soil right after application. Use the higher rates in fields where nematode and/or insect infestations have been especially severe.

Good results have been obtained by opening the row, applying MOCAP® 10% Granular in a 12 to 15 inch band on the row, bedding over and dragging.

FOR NEMATODE, WIREWORM, WHITE GRUB, BANDED CUCUMBER BEETLE AND FLEA BEETLE LARVAE (Palestriped and Sweet Potato Flea Beetle) CONTROL

Broadcast Treatment: Apply 60 to 80 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre 2 to 3 weeks before planting. Mix with the top 2 to 4 inches of soil right after application. Use double gang disc harrow or other equipment which will do a good job of mixing the MOCAP® 10% Granular with the soil. Use the higher rates in fields where nematode and/or insect infestations have been especially severe.

TOBACCO

FOR NEMATODE AND WIREWORM CONTROL

Row Treatment: Use 60 to 120 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre (42 inch row spacing) or 4.8 to 9.6 pounds per 1,000 linear feet of row. Apply after fertilizer has been listed or bedded in a band 18 to 24 inches wide on the row from 1 week before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application.

Use the higher rates in fields in where nematode injury to tobacco has been especially severe, or where soil is sandy.

FOR NEMATODE AND WIREWORM CONTROL

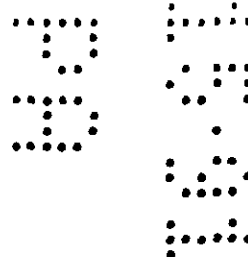
Broadcast Treatment: Apply 60 to 120 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre from 1 week before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application. Use a double gang disc harrow or other cultivating equipment that will do a good job of mixing MOCAP® 10% Granular with the soil. After mixing, apply fertilizer and, for best results, shape a wide bed with a tractor equipped with 4 disc tillers and wide sweeps for running out the middles. Be sure that only the treated soil (top 2 to 4 inches) is used to make beds.

Use the higher rates in fields where nematode injury to tobacco has been especially severe, or where the soil is sandy.

FOR WIREWORM CONTROL

Broadcast Treatment: Apply 20 pounds of MOCAP® 10% Granular Nematicide-Insecticide per acre from 2 weeks before planting to at-planting time. Mix with the top 2 to 4 inches of soil right after application. Use a disc harrow or other cultivating equipment that will do a good job of mixing MOCAP® 10% Granular with the soil.

Rhône-Poulenc does not recommend the use of MOCAP® on tobacco in Florida.



LIMITED WARRANTY AND DISCLAIMER

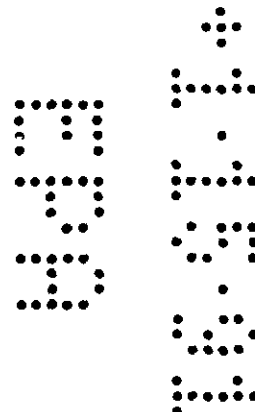
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