

264-457

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 23 2000

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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Subject: Mocap 15% Granular Nematicide-Insecticide  
EPA Reg. No. 264-457  
Your Application of March 13, 2000

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Relocate the statement cited below from its present location within the Agricultural Use Requirements box to the section immediately preceding the box between the statements, "Do not apply this product \_\_\_" and "For any requirements specific to your \_\_\_".

Only protected handlers may be in the area during application.

2. Delete the following redundant statements which appear in the first section of the human precautionary statements:

Wear protective clothing. In case of contact, wash immediately with soap and water. After use, wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all clothing with soap and hot water before reuse. Discard contaminated shoes.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

# RESTRICTED USE PESTICIDE

ACUTE DERMAL TOXICITY

For retail sale to and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's certification.

## MOCAP 15% Granular Nematicide-Insecticide

**ACTIVE INGREDIENTS:**

Ethoprop: (O-Ethyl S, S-Dipropyl Phosphorodithioate)..... 15%

**INERT INGREDIENTS** ..... 85%

EPA Reg. No. 264-457

EPA Est. No.



**KEEP OUT OF REACH OF CHILDREN  
DANGER POISON  
PELIGRO**



PRECAUCION AL USUARIO: 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 1-888-AVENTIS (1-888-283-6847)

### STATEMENT OF PRACTICAL TREATMENT

Ethoprop is an organophosphate.

**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.

**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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 23 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

264-457

## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS AND DOMESTIC ANIMALS DANGER

Poisonous if swallowed, inhaled or absorbed through skin. Rapidly absorbed through skin. Wear protective clothing. In case of contact, wash immediately with soap and water. Do not breathe fumes or dust. 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.

**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.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not store in or around the home.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, chemical-resistant apron when cleaning equipment, mixing, or loading and dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms (fish and invertebrates), and wildlife. Birds feeding in treated areas may be killed. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 of Federal Law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

When treating agricultural crops, granules lying on the soil surface in turn areas at row ends must be incorporated to remove possible hazard to birds and other wildlife.

Do not apply in Long Island, New York.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

The 48 hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

**EXCEPTION:** If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks and chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

## 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.

### INCORPORATION INFORMATION

MOCAP® 15% 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

	Banana & Plantain	Cabbage	Field corn & Sweet corn	Cucumbers	Peanuts (planting)	Peanuts (pegging)	White (Irish) Potato	Sweet Potato	Snap beans & Lima beans	Sugarcane	Tobacco
<b>BURROWING NEMATODES</b>											
( <i>Radopholus similis</i> )	C										
<b>DAGGER NEMATODES</b>											
( <i>Xiphinema</i> spp.)			C								
<b>CYST NEMATODES</b>											
( <i>Heterodera glycines</i> )											
( <i>Heterodera cruciferae</i> )		C									
( <i>Heterodera schactii</i> )		C									
<b>LESION NEMATODES</b>											
( <i>Pratylenchus</i> spp.)	C	C	C	C	C	C	C		C	C	C
<b>ROOT-KNOT NEMATODES</b>											
( <i>Meloidogyne</i> spp.)	C									C	
( <i>Meloidogyne hapla</i> )		C	C	C	C	C	C	C	C		C
( <i>Meloidogyne incognita</i> )		C	C	C			C	C	C		C
( <i>Meloidogyne arenaria</i> )					C	C					
( <i>Meloidogyne javanica</i> )				C							
( <i>Meloidogyne chitwoodi</i> )							S				
<b>LANCE NEMATODES</b>											
( <i>Hoplolaimus</i> spp.)		S	C	S					S		
( <i>Hoplolaimus tylenchiformis</i> )				C							
<b>SPIRAL NEMATODES</b>											
( <i>Helicotylenchus</i> spp.)	C		C	C			C	C	C		
( <i>Rotylenchus</i> spp.)			C								
<b>STING NEMATODES</b>											
( <i>Belonolaimus</i> spp.)			C		C	C					
( <i>Belonolaimus longicaudatus</i> )		C		C			C		C		
<b>WING NEMATODES</b>											
( <i>Criconemella</i> spp.)				C	C	C	C			C	
( <i>Criconemella ornata</i> )			C						C		
<b>RENIFORM NEMATODES</b>											
( <i>Rotylenchulus reniformis</i> )								C			
<b>STUNT NEMATODES</b>											
( <i>Tylenchorhynchus</i> spp.)			C	C	C	C	C	C			C
( <i>Tylenchorhynchus claytoni</i> )									C		
( <i>Tylenchorhynchus martini</i> )										C	
<b>STUBBY-ROOT NEMATODES</b>											
( <i>Paratrichodorus</i> spp.)			C		C	C	C	C			
( <i>Trichodorus christiei</i> )		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
<b>CORN ROOT WORM</b>							
( <i>Diabrotica virgifera virgifera</i> )		C					
( <i>Diabrotica longicornis barberi</i> )		C					
( <i>Diabrotica undecimpunctata</i> )		C	C				
<b>WIREWORMS</b>							
( <i>Conoderus</i> spp.)							C
( <i>Conoderus vespertinus</i> )		C			C		
( <i>Conoderus falli</i> )		C					
( <i>Melanotus</i> spp.)		C			C		
( <i>Malanotus communis</i> )				C		C	
( <i>Limonius dubitan</i> )		C					
( <i>Limonius canus</i> )				C			
( <i>Limonius californicus</i> )				C			
( <i>Aeolus mellius</i> )		C					
( <i>Ctenicera</i> spp.)		C					
( <i>Ctenicera pruina</i> )		C		C			
( <i>Eleodes</i> spp.)				C			
<b>BLACK CUTWORM</b>							
( <i>Agrotis ipsilon</i> )		C*					
<b>SANDHILL CUTWORM</b>							
( <i>Euxoa detersa</i> )		C*					
<b>WHITE GRUBS</b>							
( <i>Phyllophaga crinita</i> )		S					
( <i>Phyllophaga ephilida</i> )		S			C		
<b>BANDED CUCUMBER BEETLE</b>							
( <i>Diabrotica balteata</i> )					C		
<b>FLEA BEETLE LARVAE</b>							
( <i>Chaetocnema confinis</i> )					C		
( <i>Stena blanda</i> )					C		
<b>LESSER CORNSTALK BORER</b>							
( <i>Elasmopalpus lignosellus</i> )			S				
<b>BANANA ROOT BORER</b>							
( <i>Cosmopolites sordidus</i> )	C						
<p>C-----Control            S-----Suppression</p> <p>*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.</p>							

## AGRICULTURAL CROPS

### BANANA AND PLANTAIN

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

Apply 40 grams of MOCAP® 15% Granular Nematicide-Insecticide in a radius of 3/4 meter around each producing stem or 1.3 ounce of MOCAP® 15% Granular in a radius of 30 inches around each producing stem. 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.

### BEANS (Snap and Lima)

#### FOR NEMATODE AND GARDEN SYMPHYLAN (*Scutigerella immaculata*) CONTROL

**Row Treatment:** Apply 13 to 20 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 0.9 to 1.4 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 40 to 54 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 13 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 0.9 pounds per 1,000 linear feet of row in a band 15 inches wide on the row at-planting. Mix with the top 2 to 4 inches of soil. 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 34 pounds of MOCAP® 15% 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 8 ounces of MOCAP® 15% 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	Inches
Lbs. Per Acre	6.6	7	7.3	8.8	13.3

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 8 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 8 OUNCES/1000 FEET OF ROW  
SPEED IN MILES PER HOUR

Brand Of Applicator	2	3	4	5	6	7	8	9	10	
Allis Chalmers	Gauge 7		Rate Is Uniform For All Speeds						Gauge 7	
Gandy snap-on bottom	15.3	18.5	21.0	23.1	25.1	26.0	28.6	30.4	31.9	
International Harvester (old)	1/5.3	1/7.7	1/9.7	2/3.0	2/6.3	2/9.5	3/2.7	3/6.0	3/9.2	
International Harvester (new)	1/7.2	1/9.4	2/2.4	2/5.7	2/9.9	3/2.3	3/5.4	3/9.7	4/2.2	
John Deere (metal boxes)	1/22	1/24	1/26	1/29	2/4	2/8	2/13	2/17	2/22	
John Deere (new) (1)	21	22.5	24	25	27	28	29	31	32	
John Deere (newest) (2)	8	11	13	15	17	18	20	21	23	
Noble (3)	7	11	14	18	21	24	27	29	31	
Noble (new) (4)	5	7	9	12	14	17	19	21	23	

(1) Gauge Reads 10-20-30-40 (2) Gauge Reads 5-15-25-35-45 (3) Round hole in bottom of hopper (4) Rectangular hold in bottom of hopper

**FOR CORN ROOTWORM CONTROL**

Row Treatment: Use 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 20 pounds of MOCAP® 15% 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.

**FOR NEMATODE CONTROL**

Row Treatment: Add 3/4 to 1 pound of MOCAP® 15% Granular Nematicide-Insecticide per 1000 feet of row in a band 12 to 15 inches wide on the row. 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	38	36	30	20
	Inches	Inches	Inches	Inches	Inches
Lbs. Per Acre	10-13.3	10.3-14	10.8-14.8	13-17.7	20-26.6

**FOR NEMATODE CONTROL**

Broadcast Treatment: Apply 40 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre 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 (*Scutigera immaculata*) and suppress white grubs.

**CUCUMBER**

**FOR NEMATODE CONTROL**

Row Treatment: Apply 13 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (7-foot row spacing) or 2.1 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 13 to 26 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (36-inch row spacing) or 0.9 to 1.8 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® 15% 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 26 to 40 pounds of MOCAP® 15% 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 the higher rates of MOCAP® 15% 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 20 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (36 inch row spacing), or 1.4 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 17 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 1.2 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 Use Only East Of The Rocky Mountains)

**FOR CONTROL OF WIREWORMS AND GARDEN SYMPHYLAN (*Scutigera immaculata*)**

Row Treatment: Apply 20 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (36 inch row spacing) or 2.7 ounces per 100 linear feet of row. Make application 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 (*Scutigera immaculata*)**

Broadcast Treatment: Apply 26 to 40 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre 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 (*Scutigera 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 20 pounds of MOCAP® 15% Granular Nematicide Insecticide per acre (36 inch row spacing) or 1.4 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:** Use 40 to 80 pounds of MOCAP® 15% 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.

**NOTE:** For best suppression of Columbia Root-knot Nematodes, it is recommended that MOCAP® 15% Granular be applied following fall or spring application of a registered fumigant nematicide. Do not exceed a maximum of 12 lbs./A per season on potatoes.

**SUGARCANE**

**FOR NEMATODE AND WIREWORM CONTROL**

**Furrow Treatment:** Apply 13 to 26 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre (6 foot row spacing) or 1.8 to 3.6 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 20 to 26 pounds of MOCAP® 15% Granular Nematicide-Insecticide per acre or 1.6 to 2.1 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, apply a MOCAP® 15% 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 40 to 54 pounds of MOCAP® 15% 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 a double gang disc harrow or other equipment which will do a good job of mixing the MOCAP® 15% 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:** Apply 40 to 80 pounds of MOCAP® 15% Granular Nematicide-Insecticide (42 inch row spacing) per acre or 3.2 to 6.4 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.

The higher rate treatment is recommended for fields in which nematode injury to tobacco has been especially severe, or where soil is sandy.

**FOR NEMATODE AND WIREWORM CONTROL**

**Broadcast Treatment:** Use 40 to 80 pounds of MOCAP® 15% 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 equipment which will do a good job of mixing the MOCAP® 15% 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.

The higher rate treatment is recommended for fields in which nematode injury to tobacco has been especially severe, or where soil is sandy.

**FOR WIREWORM CONTROL**

**Broadcast Treatment:** Apply 13 pounds of MOCAP® 15% 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 the MOCAP® 15% Granular with the soil.

Aventis CropScience does not recommend the use of MOCAP® on tobacco in Florida.

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### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.

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