



# Mocap<sup>®</sup>

## nematicide-insecticide

Do not use Mocap as a seed furrow treatment (except on sugarcane) because crop injury may occur.

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Poisonous if swallowed, inhaled or absorbed through skin. Rapidly absorbed through skin. Wear protective clothing. In case of contact, wash immediately with 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 contaminated clothing with soap and hot water before reuse.

Do not contaminate feed or food. Do not allow livestock to graze on treated turf. When turf is being treated, keep all unprotected persons and pets out of the area until after water has been applied and granules have been thoroughly washed into soil and the area is thoroughly dry.

**SYMPTOMS OF POISONING:** A sense of "tightness" in chest, sweating, stomach pains, vomiting, diarrhea, contraction of pupils.

**FIRST AID:** Call a physician immediately in case of poisoning. If swallowed, induce vomiting by giving a tablespoon of salt or a teaspoon of mustard in a glass of warm water. Administer milk or water freely; induce vomiting until vomit fluid is clear. Never give anything by mouth to an unconscious person. If not breathing, give mouth-to-mouth artificial respiration. In case of skin contact, immediately remove all contaminated clothing and wash skin with soap and water. 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.

**NOTE TO PHYSICIAN:** This product is a cholinesterase inhibitor. Warning symptoms include weakness, headaches, tightness of chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

Administer atropine, 2 mg intramuscularly or intravenously. Repeat dose every 3 to 8 minutes until signs of atropinization occur. Give pralidoxime chloride (Protopam or 2-PAM), 2.5 gm in 100 cc of sterile water, intravenously, slowly in 15 to 30 minutes or by deep intramuscular injection of 1 gram in 3 cc of distilled water. Repeat every half hour if respiration weakens or muscle fasciculation or convulsion recur. Clear chest by postural drainage. Artificial respiration may be necessary.

### TOBACCO

**Row treatment for both nematode and wireworm control:** Use 60 pounds of 10% MOCAP per acre or 1/2 pound per 100 linear feet of row. Apply after fertilizer has been listed or bedded. Make application in a band 18 to 24 inches wide on the row, anytime from 1 week before planting to at-planting time. Mix 10% MOCAP with the top 4 to 6 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment that will do a good job of mixing 10% MOCAP with the soil.

**Broadcast treatment for both nematode and wireworm control:** Use 60 to 80 pounds of 10% MOCAP per acre. Apply the treatment evenly on top of the soil anytime from 1 week before planting to at-planting time. Mix the 10% MOCAP with the top 3 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 10% MOCAP with the soil. After mixing, apply fertilizer and, for best results, shape a wide bed with a tractor equipped with 4 disc hillers and wide sweeps for running out the middles. Be sure that only the treated soil (top 3 to 4 inches) is used to make beds.

The 80-pound treatment is recommended for fields in which nematode injury to tobacco has been especially severe.

**Broadcast treatment for wireworm control:** Use 20 pounds of 10% MOCAP per acre. Apply as a broadcast treatment anytime from 2 weeks before planting to at-planting time. Mix 10% MOCAP 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 10% MOCAP with the soil.

### PEANUT

**Row treatment for nematode control at planting:** Use 30 to 40 pounds of 10% MOCAP per acre (36-inch row spacing) or 1/3 to 1/4 pound per 100 linear feet of row. Make application in a band 15 to 18 inches wide on the row anytime from 1 week before planting to at-planting time. Mix 10% MOCAP with the top 4 to 8 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil. Do not use as a seed furrow treatment.

**Nematode control at pegging:** Use 30 pounds of 10% MOCAP per acre (36 inch row spacing) or 1.5 pound per 100 linear feet of row. Make application in a band 15 to 18 inches wide on the row at pegging, and incorporate lightly into the soil.

**Corn rootworm control at pegging:** Use 25 to 30 pounds of 10% MOCAP per acre (36 inch row spacing) or 1.6

non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

Administer atropine, 2 mg, intramuscularly or intravenously. Repeat dose every 3 to 8 minutes until signs of atropinization occur. Give pralidoxime chloride (Protopam or 2-PAM), 2.5 gm in 100 cc of sterile water, intravenously, slowly in 15 to 30 minutes or by deep intramuscular injection of 1 gram in 3 cc of distilled water. Repeat every half hour if respiration weakens or muscle fasciculation or convulsion recur. Clear chest by postural drainage. Artificial respiration may be necessary. Observe patient continuously for 48 hours. Allow no further exposure until cholinesterase regeneration has taken place as determined by blood tests. Repeated exposure to cholinesterase inhibitors may without warning, cause increasing susceptibility to very small doses of any cholinesterase inhibitor.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Birds and other wildlife feeding in treated areas may be killed. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

## Directions for use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Unprotected persons may enter treated fields after chemical has been mixed into the soil.

#### STORAGE AND DISPOSAL

**STORAGE:** Do not store in or around the home.

**DISPOSAL:** Empty bags should be buried 18 inches deep in an isolated location away from water supplies. Empty bags may be burned if extreme caution is used to prevent inhaling smoke.

#### SOYBEAN

**Row treatment for nematode control:** Use 15 to 30 pounds of 10% MOCAP per acre or  $\frac{1}{8}$  to  $\frac{1}{4}$  pound per 100 linear feet of row. Make application in a band 12 to 15 inches wide on the row anytime from 1 week before planting to at-planting time. Mix 10% MOCAP with the top 3 to 6 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil. Do not use as a seed furrow treatment.

#### FIELD CORN AND SWEET CORN

**For resistant and non-resistant corn rootworm control:** Use 10 pounds of 10% MOCAP per acre (40-inch row spacing) or 12 ounces per 1,000 feet of row (minimum 40-inch row spacing) in planting or cultivation application.

**At-planting application:** Apply granules evenly in a 6 to 7-inch band over the row. Mix granules with the top  $\frac{1}{2}$  inch of soil with the plant press wheel, packing wheel, drag chains or covering discs, right after application. Do not use as a seed furrow treatment.

**Cultivation application:** Apply after planting until lay-by. 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  $\frac{1}{2}$  to 1 inch of soil right after application.

right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil. Do not use as a seed furrow treatment.

**Nematode control at pegging:** Use 30 pounds of 10% MOCAP per acre (36 inch row spacing) or  $\frac{1}{5}$  pound per 100 linear feet of row. Make application in a band 15 to 18 inches wide on the row at pegging, and incorporate lightly into the soil.

**Corn rootworm control at pegging:** Use 25 to 30 pounds of 10% MOCAP per acre (36 inch row spacing) or 1 to 1.5 pound per 100 linear feet of row. Make application in a band 18 inches wide on the row at pegging and incorporate lightly into the soil.

#### SWEET POTATO

**Row treatment for nematode control:** Use 30 to 40 pounds of 10% MOCAP per acre or  $\frac{1}{4}$  to  $\frac{1}{3}$  pound per 100 linear feet of row (minimum 42-inch row spacing). Make application in a band 12 to 15 inches wide on the row 2 to 3 weeks before planting. Mix 10% MOCAP with the top 4 to 8 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil.

In Louisiana good results have been obtained by opening the row, applying 10% MOCAP in a 12 to 15-inch band on the row, bedding over and dragging.

**Broadcast treatment for nematode control:** Use 60 to 80 pounds of 10% MOCAP per acre. Apply the treatment evenly on top of the soil 2 to 3 weeks before planting. Mix the 10% MOCAP with the top 4 to 8 inches of soil right after application. Use a double gang disc harrow or other equipment which will do a good job of mixing the 10% MOCAP with the soil.

**For Fleabeetle Larvae Control (pale-striped fleabeetle and sweet potato fleabeetle):**

**Row treatment:** In Louisiana use 30 to 40 pounds of 10% MOCAP per acre. In other states use 40 pounds of 10% MOCAP per acre. Follow application directions given for nematode control.

**Broadcast treatment:** Use 60 pounds of 10% MOCAP per acre and follow application directions given for nematode control.

#### CABBAGE (Florida Only)

**Row treatment for sting nematode control:** Use 20 pounds of 10% MOCAP per acre on a band 15 inches wide on the row (or 1.8 pound per 100 linear feet of row, 36 inch row spacing.)

**Broadcast treatment for sting nematode control:** Use 50 pounds of 10% MOCAP per acre. Apply evenly over the soil area to be treated from 1 week before planting to at-planting time. Mix the 10% MOCAP with top 3 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil. Do not use as a seed furrow treatment.

#### CUCUMBER (Florida Only)

**Row treatment for rootknot and sting nematode control:** Use 20 pounds of 10% MOCAP per acre (7-foot row spacing), or  $\frac{3}{4}$  pound per 100 linear feet of row. Make application 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 the 10% MOCAP with the top 2 to 3 inches of soil right after application. Use a rotary tiller, rotary hoe, or other cultivating equipment which will do a good job of mixing the 10% MOCAP with the soil. Do not use as a seed furrow treatment.

Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil. Do not use as a seed furrow treatment.

### FIELD CORN AND SWEET CORN

**For resistant and non-resistant corn rootworm control:** Use 10 pounds of 10% MOCAP per acre (40-inch row spacing) or 12 ounces per 1,000 feet of row (minimum 40-inch row spacing) in planting or cultivation application.

**At-planting application:** Apply granules evenly in a 6 to 7-inch band over the row. Mix granules with the top ½ inch of soil with the plant press wheel, packing wheel, drag chains or covering discs right after application. Do not use as a seed furrow treatment.

**Cultivation application:** Apply after planting until July. 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 ½ to 1 inch of soil right after application.

**For Nematode Control:** (Southeastern States)

**Row treatment:** Use 15 to 20 pounds of 10% MOCAP per acre (40-inch row spacing) or 1 1/8 to 1 1/2 pounds per 1,000 feet of row (minimum 40-inch row spacing). Make application in a band 12 to 15 inches wide on the row.

**Broadcast treatment:** Use 60 pounds of 10% MOCAP per acre or 1 1/2 pounds per 1,000 square feet. Apply row or broadcast treatment from 3 days before planting to at-planting time. Mix the treatment with the top 2 to 4 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing the 10% MOCAP with the soil. Do not use as a seed furrow treatment.

**For corn wireworm control:** The pre-planting or at-planting treatments for corn rootworm or nematode control will control corn wireworms.

**Black cutworm:** The at-planting treatments for corn rootworm or nematode control will aid in the control of black cutworm.

### BANANA AND PLANTAIN

**For nematode control:** Apply 60 grams of 10% MOCAP in a radius of ¾ meter around each producing stem or 2 ounces of 10% MOCAP 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, make application 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.

**Broadcast treatment for sting nematode control:** Use 50 pounds of 10% MOCAP per acre. Apply evenly over the soil area to be treated from 1 week before planting to at-planting time. Mix the 10% MOCAP with top 2 inches of soil right after application. Use a rotary tiller, rotary hoe or other cultivating equipment which will do a good job of mixing 10% MOCAP with the soil. Do not use as a seed furrow treatment.

### CUCUMBER (Florida Only)

**Row treatment for rootknot and sting nematode control:** Use 30 pounds of 10% MOCAP per acre (40-inch row spacing) or ¾ pound per 100 linear feet of row. Make application in a band 12 inches wide on the row at planting. Mix the 10% MOCAP with the top 6 inches of soil right after application. Use a rotary tiller, rotary hoe, stalk chopper, or other cultivating equipment which will do a good job of mixing the 10% MOCAP with the soil. Do not use as a seed furrow treatment.

### SNAP BEAN AND LIMA BEAN

**Row treatment for rootknot, sting, stubby root, lesion, ring, and spiral nematode control:** Use 20 to 30 pounds of 10% MOCAP per acre (36-inch row spacing) or 1 1/7 to 1 1/5 pound per 100 linear feet of row. Make application in a band 12 to 15 inches wide on the row.

**For broadcast application:** Use 60 to 80 pounds per acre. Apply anytime from three days before planting to at-planting. Mix the 10% MOCAP with the top six inches of soil right after application. Use a rotary tiller, rotary hoe, or other cultivating equipment which will do a good job of mixing the 10% MOCAP with the soil. Do not use as a seed furrow treatment.

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

### WHITE POTATO (Florida Only)

**Row treatment for sting, spiral, rootknot, ring, and stunt nematode control:** Use 30 pounds of 10% MOCAP per acre (40-inch row spacing), or ¾ pound per 100 linear feet of row. Make application in a band 12 inches wide on the row at planting. Mix the 10% MOCAP with the top 6 inches of soil right after application. Use a rotary tiller, rotary hoe, stalk chopper, or other cultivating equipment which will do a good job of mixing the 10% MOCAP with the soil. Do not use as a seed furrow treatment.

**CONDITIONS OF SALE, WARRANTY, LIMITATION OF LIABILITY:** The directions for use on this label reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, effectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Mobil or the Seller.

Mobil warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes described on the label subject to the inherent risks referred to above. Anything else on this label to the contrary notwithstanding, **MOBIL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.** In no case shall Mobil or the Seller be liable for consequential, special, or indirect damages such as loss of profits or values resulting from the use or handling of this product. Mobil and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing conditions of sale, warranty and limitation of liability which may be varied only by an agreement in writing signed by a duly authorized employee of Mobil.