

DAS1

Base Reg. (4816)

U.S. LABEL

Reason to Issue: To modify claim for nematodes to "early season suppression"; to delete repetitive general crop paragraphs; delete nematode claim under tobacco.

Date of Draft: 5/6/83 (S)
Supersedes Draft Dated: 8/24/82

EPA Reg. No. 3125-163-AA

RESTRICTED USE PESTICIDE

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

® **DASANIT**

SPRAY CONCENTRATE

INSECTICIDE-NEMATOCIDE

FOR USE ONLY BY COMMERCIAL GROWERS AND APPLICATORS

Improved Formulation for Mixing with Liquid Fertilizers

FOR EFFECTIVE CONTROL OF SOIL INSECTS AND SUPPRESSION OF PARASITIC NEMATODES


ACTIVE INGREDIENT:

O,O-Diethyl O-[4-(methylsulfinyl)phenyl] phosphorothioate 63%

Contains 6 lbs. O,O-Diethyl O-[4-(methylsulfinyl)phenyl] phosphorothioate per gallon.

INERT INGREDIENTS 37%
100%

NET CONTENTS GALLONS

D A N G E R  P O I S O N

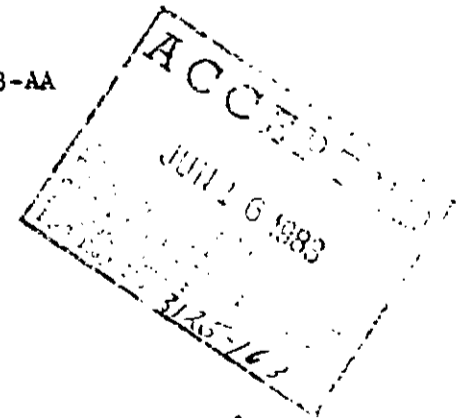
KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 3125-163-AA

(See rear panel for Statements of Practical Treatment & Additional Precautionary Statements)

STOP - READ THE LABEL BEFORE USE

MOBAY CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, Mo. 64120



Note: Underlined letters in chemical nomenclature should be italicized when printed, not underlined.

DASANIT SC

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using DASANIT Spray Concentrate insecticide-nematicide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED, OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY AND THE SELLER OFFER, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

DASANIT Spray Concentrate is highly effective for control of those insects noted under "Recommended Applications", including those resistant to some chlorinated hydrocarbon insecticides. Applications should be made with spray equipment capable of distributing the required amount of product evenly as described in the recommended application for each crop.

DASANIT Spray Concentrate is effective for early season suppression of nematodes attacking peanuts, tomatoes and sweet potatoes. For best results it is essential that DASANIT Spray Concentrate be thoroughly mixed into the top 2 to 6 inches of soil by disking or using other suitable tilling equipment.

DASANIT SC

RECOMMENDED APPLICATIONS

| CROP | PEST | DOSAGE DASANIT SC | REMARKS |
|-----------------------------------|---|--|--|
| <u>FIELD CROPS</u> | | | <u>FOR APPLICATION AT PLANTING:</u> Apply as a water emulsion in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. |
| Corn Field Sweet Popcorn | Corn Rootworm | 0.8 to 1.6 fl. ozs. per 1000 feet of row (for any row spacing*) or 2/3 to 1-1/3 pints per acre (40 inch row spacing) | <u>FOR SPLIT-BOOT APPLICATION AT PLANTING WITH LIQUID FERTILIZER:</u> Apply in combination with liquid fertilizer [†] as a split-boot application (bands 2 inches away from the seed on both sides of the planted row). [†] Where sufficient agitation is not available, certain liquid high phosphorous fertilizers may require the use of COMPLEX [®] compatibility agent at the rate of 1 quart per 100 gal. of mixture to assure proper mixing. |
| | | 1.2 to 1.6 fl. ozs. per 1000 feet of row (for any row spacing*) or 1 to 1-1/3 pints per acre (40 inch row spacing) | <u>FOR APPLICATION AT CULTIVATION:</u> Apply as a water emulsion evenly in a 4 to 6 inch band along the row around the base of the stalks. For maximum incorporation into the soil, apply directly in front of the cultivating equipment. Consult your local Agricultural Extension Service for proper timing of cultivation applications. <u>NOTE:</u> Cultivation application may be made in addition to an at-planting application but not within 40 days of harvest for food, feed, or forage. |
| Peanuts | Thrips (Early season reduction) Nematodes (Early season suppression) | 3 to 6 fl. ozs. per 1000 ft. of row (regardless of row spacing*) or 2.7 to 5.4 pints per acre (36 inch row spacing) | <u>BAND APPLICATION:</u> Apply uniformly as a water emulsion spray in a 12 to 18 inch band. Disk or till the soil thoroughly to a depth of 4 to 6 inches to insure adequate mixing in the soil. Plant seed into the center of the treated band of soil. Do not feed vines or hay. Do not exceed the stated broadcast rate per acre, no matter how the pesticide is applied. |

DASANIT SC

RECOMMENDED APPLICATIONS (Continued)

| CROP | PEST | DOSAGE DASANIT SC | REMARKS |
|--------------------------------|---|---|---|
| FIELD CROPS (Continued) | | | |
| Peanuts (Continued) | Thrips (Early season reduction) Nematodes (Early season suppression) | 4 to 8 pints (1/2 to 1 gallon) per acre | BROADCAST APPLICATION: Apply specified dosage uniformly as a water emulsion spray. Disk or till the soil thoroughly to a depth of 4 to 6 inches to insure adequate mixing in the soil. Plant crop in the usual manner. Do not feed vines or hay. |
| | Lesser cornstalk borer (Texas & Oklahoma Only) | 1-1/2 fl. ozs. per 1000 ft. of row (regardless of row spacing*) or 1-1/3 pints per acre (36 inch row spacing) | POST-PLANTING BAND APPLICATIONS: Apply specified dosage as a basal directed spray using 20 to 30 gallons of water per acre. Apply as needed, up to a maximum of 4 times per crop. Do not apply within 30 days before harvest. Do not feed vines or hay. Do not exceed the stated broadcast rate per acre, no matter how the pesticide is applied. NOTE: If soil applications of DASANIT 15% Granular or DASANIT Spray Concentrate have been made at planting or at pegging, do not apply these basal directed sprays. |
| Sugarcane (Texas only) | White grubs (<u>Phyllophaga</u> <u>crinita</u>) | 1/3 to 2/3 gallons per acre | Apply specified dosage, as a layby treatment. Apply in 5 to 15 gallons total spray volume per acre as a broadcast interline spray and incorporate mechanically or with irrigation water. Do not spray sugarcane foliage. Do not harvest within 150 days of treatment. Do not use treated foliage as animal feed. |
| Tobacco | Wireworms | 4 fl. ozs. per 1000 feet of row regardless of row spacing* or 1/3 gallon per acre (broadcast) | Apply in a water emulsion as a broadcast spray or in a 10 to 12 inch band over the row before planting. After the material is uniformly applied, disk or till thoroughly to a depth of 2 to 3 inches to insure adequate mixing in the soil. Plant crop in the usual manner. Do not exceed the stated broadcast rate per acre, no matter how the pesticide is applied. |

DASANIT SC

RECOMMENDED APPLICATIONS (Continued)

| CROP | PEST | DOSAGE DASANIT SC | REMARKS |
|---|--|--|--|
| <u>FIELD CROPS</u> (Continued) | | | |
| Grain Sorghum (Texas and Oklahoma Only) | White Grubs (<i>Phyllophaga crinita</i>) (Suppression of feeding damage) | 1.7 fl. ozs. per 1000 feet of row (for any row spacing*) or 22 fl. ozs. per acre, 40 inch row spacing | Apply specified dosage in 20 gallons of water as a 3 to 4 inch band in the seed furrow at planting. Apply approximately 1/2 inch above the seed. Do not apply directly to the seed. |
| <u>FRUIT</u> | | | |
| Citrus Seedlings | Nematodes | 1/3 to 1/2 pint | <u>Bare Root Dip:</u> Mix specified dosage per 50 gallons of water. This is equivalent to approximately 575 to 860 ppm active ingredient. Remove soil from roots of plants to be treated and immerse only the root systems into the solution. Allow plants to soak for 30 minutes then remove for planting or shipment. Treated plants to be moved into commercial trade within one week after dipping must bear warning tags containing the same information as in the warning section on this label. These tags are available from your dealer. Treated plants to be held in storage for more than one week do not require tags. |
| | | (See Remarks) | <u>Potted Plants:</u> Add 3 to 6 fluid ounces of DASANIT Spray Concentrate to 25 gallons of water. Apply 1/3 pint of this solution per 8-inch pot. For best results, apply pot drenches when the soil is damp. Do not apply to dry pots or to plants in a wilted condition. |
| <u>VEGETABLES</u> | | | |
| Onions (dry bulb) | Onion maggot | 0.7 fl. oz. per 1000 feet of row regardless of row spacing* or 1.3 pints per acre (18 inch row spacing) | Mix the required amount of DASANIT Spray Concentrate in sufficient water (approximately 100 gallons of water per acre) to distribute the chemical evenly in the seed furrow at planting time. Do not apply to green-bunch onions. |

DASANIT SC

RECOMMENDED APPLICATIONS (Continued)

| CROP | PEST | DOSAGE DASANIT SC | REMARKS |
|-------------------------------|---|--|---|
| <u>VEGETABLES</u> (Continued) | | | |
| Rutabagas | Cabbage maggot | 1-1/3 to 2-2/3 fl. ozs. in not less than 3-1/2 gallons of water per 1000 feet of row for any row spacing but not more than 3 pints total per acre. | Apply specified dosage in a 6-inch band sprayed over the row immediately after seeding. Make a second application at the same rate in a 6-inch band sprayed over the row approximately 4 weeks after planting. One or two additional sprays may be applied as required but not closer than 40 days from harvest. Apply as drenches to wet the crown of the plant and 3 inches of soil on both sides of the row. Do not apply DASANIT more than 4 times per season. |
| Tomatoes | Nematodes (Early season suppression) | 1-2/3 to 3-1/3 gal- lons per acre | <u>BROADCAST APPLICATION:</u> Apply specified dosage uniformly as a preplant broadcast spray. Mix insecticide into the top 4 to 6 inches of soil by disking or with other suitable tilling equipment. Plant crop in the usual manner. |
| | | 5 to 9-1/2 fl. ozs. per 1000 feet of row (any row spacing*) or 4-1/3 to 8-1/3 pints per acre (38 inch row spacing) | <u>BAND APPLICATION:</u> Apply in a water emul- sion in a uniform 12 inch band over the row before planting. Disk or till thor- oughly to a depth of 4 to 6 inches to insure adequate mixing in the soil. Plant crop in the usual manner. Do not exceed the stated broadcast rate per acre, no matter how the pesticide is applied. |

DASANIT SC

RECOMMENDED APPLICATIONS (Continued)

| CROP | PEST | DOSAGE DASANIT SC | REMARKS |
|------------------------|---|--|--|
| VEGETABLES (Continued) | | | |
| Sweet Potatoes | Nematodes: <u>Meloidogyne</u> - (Root knot) <u>Rotylen- chulus</u> Reniform (Except California) <u>Helicoty- lenchus</u> Spiral (Early season suppression) (Except California) | 4 to 9.3 pints per acre (.5 to 1-1/6 gal) | BROADCAST APPLICATION: Apply specified dosage as a preplant broadcast application. Incorporate into the soil 4 to 6 inches deep. Plant crop in the usual manner. Use the higher dosage for fields with a high population of nematodes or fields with a history or serious nematode damage. |
| | Southern potato wireworms (aids in the re- duction of feeding damage. Southeast- ern States only). | 9.3 pints acre (1-1/6 gal.) | |

*WHERE ROW SPACING IS EXTREMELY NARROW, DO NOT PLACE TREATED ZONES (BAND OR FURROW) CLOSER TOGETHER THAN 6 INCHES.

DASANIT Spray Concentrate in Combination with TILLAM[®] 6-E for Use on Tobacco:

For control of wireworms, and certain weeds in tobacco (flue-cured, and light air-cured), DASANIT Spray Concentrate may be tank-mixed with TILLAM 6-E. For complete list of weeds controlled refer to the label for TILLAM 6-E.

Soil Preparation: The soil should be well worked and dry enough to permit good soil incorporation (mixing into the soil).

Mixing: Add to the spray tank 2-2/3 qts. TILLAM 6-E and 4 qts. DASANIT Spray Concentrate in 20 to 50 gal. water per acre. Use a properly calibrated low-pressure boom-type sprayer having good agitation.

DASANIT SC

DASANIT Spray Concentrate in Combination with TILLAM 6-E for Use on Tobacco (Cont.)

Soil Incorporation: The tank mix must be incorporated (mixed) into the soil immediately after application to prevent loss of the herbicide by evaporation. Whenever possible, application and incorporation should be done in the same operation.

Use power-driven cultivation equipment set to cut to a depth of 3" in light soil and 3 to 4" in heavy soil or a tandem disc set to cut to a depth of 4 to 6".

Cross disc at right angles for thorough mixing. The bedding operation should follow the incorporation as soon as practical. Planting may be done immediately after bedding or at a later date; however, to insure long term weed control, the crop should be planted as soon as possible after application and bedding.

NOTE: Refer to the label for TILLAM 6-E for pertinent directions and precautions for use, and restrictions.

RESTRICTIONS

Do not use in or near human dwellings. Do not use on plants other than those recommended. Use only according to label directions. Applications at rates above those shown may result in illegal crop residues. Do not apply to plant foliage or treat food crops grown in the greenhouse.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER  POISON

Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Do not get in eyes or on skin. Wear protective clothing, natural rubber gloves, and goggles.

Do not breathe fumes or spray mist. For protection against DASANIT insecticide-nematicide wear a mask or respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area until DASANIT Spray Concentrate has been thoroughly drenched into or covered by soil, and all mist has dissipated. Wash hands, arms and face thoroughly with soap and warm water before eating or smoking.

HANDLING OF CONTAMINATED ARTICLES: Clothing and rags receiving undiluted DASANIT Spray Concentrate as a result of leaks, spills, or mishaps should be removed immediately and not reused. These contaminated articles should be buried in the same manner as the empty container; see container disposal section for directions. (Contaminated articles which should be discarded would include: hats, gloves, aprons, coats, boots, etc. not made of rubber or coated with rubber or other similar materials). Clothing receiving spray mist or droplets from the mixed, diluted DASANIT Spray Concentrate should be removed and decontaminated before reuse. This clothing can be decontaminated by machine washing separately from other items with soap or detergent and bleach in hot water twice before reuse. Protective clothing and equipment should be washed down with detergent or soap and bleach in water. Wash water from the cleaning of protective clothing or equipment should not be allowed to run off or otherwise enter water supplies.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Contracted pupils. Stomach pains. Vomiting and diarrhea.

DASANIT SC

PRECAUTIONARY STATEMENTS (Continued)

STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.

TO PHYSICIAN:

ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp, crab, birds, and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crops or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

STORAGE AND DISPOSAL

Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

Do not use container in any connection with feed, food, and drinking water.

DASANIT is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.

TILLAM is a Reg. TM of Stauffer Chemical Company.