

3125-117 5-1-74  
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1088

EPA Pre-Reg. (1173)

Refer to Label: Prepare label in accordance with 40 Notice 73-3 and maintain pre-block applications on apples and pears restricted to the Northwest only.  
2/19/74: Delete use on bearing apples and pears.

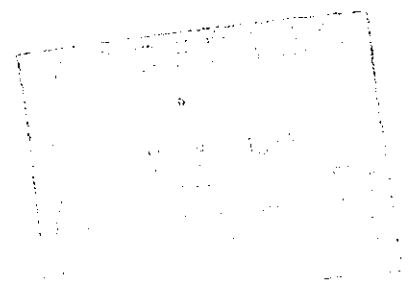
Date of Draft: 2/18/74 (Pre-Reg.) (1)  
Supersedes Pre-Reg. Draft Inted: 3/2/74

U.S. E.P.P.C.

EPA Reg. No. 3125-117-AA

(P)  
MORESTAN

25% Wettable Powder  
MITICIDE - FUNGICIDE



FOR EFFECTIVE CONTROL OF MITES  
AND POWDERY MILDEW

NET WEIGHT            POUNDS

CAUTION  
(See rear panel for caution  
statements)

KEEP OUT OF REACH OF CHILDREN

GUARANTEE

ACTIVE INGREDIENT:  
6-Methyl-1,2-dithiclo[4,5-b]  
quinoxalin-2-one *7* ..... 25%  
INERT INGREDIENTS: ..... 75%  
100%  
/U.S. Patent No. 3,091,613  
Canadian Patent No. 659,270

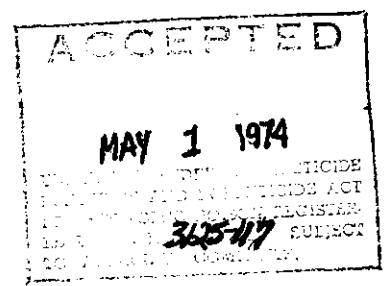
EPA Reg. No. 3125-117-AA

STOP - READ THE LABEL BEFORE USE

MANUFACTURED BY

CHEMAGRO

Division of Baychem Corporation  
Box 4913, Kansas City, Mo. 64120



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

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## DIRECTIONS FOR USE

IMPORTANT: Read these entire Directions and Conditions of Sale, including the Warranty and Limitation of Damages provision, before using MORSTAN 25% Wettable Powder.

CONDITIONS OF SALE: These Directions for Use reflect the opinion of experts based on tests of effectiveness, of toxicity to plants and laboratory animals and of residues on or in food or feed under normal conditions of use. However, because of the wide range of conditions under which this product may be used, even though label directions are followed, it is impossible to eliminate all risks associated with its use because of abnormal conditions beyond the control of the seller. (Gumagro and the Seller offer, and the Buyer uses, this product subject to the understanding that the Buyer assumes all such risks.

MORSTAN 25% Wettable Powder is recommended for residual control of aphids, mites, mite eggs, and powdery mildew. The formulation mixes readily with water to form a suspension which is usable in all conventional hand or machine-operated sprayers. For best results, apply a thorough coverage before mites or mite eggs are present in large numbers and before mites cause bronzing of the foliage. Apply during good drying conditions. (See Restrictions). Consult your State Agricultural Extension Service or Experiment Station for detailed information on timing of applications for most effective control.

## RECOMMENDED APPLICATIONS

CROP	PEST	Pounds MORSTAN 25% W.P.	REMARKS
<u>BEARING CITRUS TREES</u> (Texas and Florida only) Grapefruit Oranges Lemons Tangerines	Citrus red mite Citrus Rust mite Texas citrus Mite Mite eggs	1 to 1-1/2	Apply specified dosage per 100 gallons of water. Spray all surfaces, including the underside of leaves for complete coverage. Do not apply more than twice per fruit crop year and within 35 days of harvest.
<u>BEARING NAVEL ORANGE TREES</u> (California Arizona) (Post-harvest in fall or early winter when no fruit is present)	Citrus red mite Citrus rust mite Texas citrus mite Mite eggs	1 to 1-1/2	Apply specified dosage per 100 gallons of water. Spray all surfaces including underside of leaves for complete coverage. Apply only post-harvest in fall or early winter when no fruit is present.

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RECOMMENDED PEST CONTROL MEASURES  
FOR MORESTAN

CROP	PEST	Pounds MORESTAN 25% WP	REMARKS
<b>NON-BEARING FRUITS:</b>			
Apples	Powdery Mildew Mites Mite eggs	1/2 to 1	Apply specified dosage per 100 gallons of water.* Spray all foliage surfaces including the underside of leaves for complete coverage. Repeat as necessary. For control of powdery mildew, begin preventive applications before disease appears and apply at 7- to 14-day intervals. During heavy infection periods, make more frequent applications. Do not apply to fruit trees that will bear fruit within one year of application.
Apricots Cherries Nectarines Peaches Pears Plums Prunes	Mites (except cyclamen mite) Mite eggs	1/2 to 1	Apply to strawberries, as required, in propagating beds and in the field during the year of setting new plants but not after first bloom appears on the following year.
Strawberries			
Citrus	Citrus red mite Citrus rust mite Texas citrus mite Mite eggs	1 to 1-1/2	Apply specified dosage per 100 gallons of water. Spray all surfaces, including the underside of leaves for complete coverage. Repeat as necessary. Do not apply to trees that will bear fruit within one year of application.
<b>NON-BEARING TREES:</b>			
Walnuts	Aphids Mites Mite eggs	1	Apply specified dosage per 100 gallons of water. Spray all foliage surfaces, including the underside of leaves, for complete coverage. Repeat as necessary. Do not apply to trees that will set fruit during the current crop year.
<b>ORNAMENTALS:</b>			
Flowers Shrubs	Mites Mite eggs	1/2 to 1	Apply specified dosage per 100 gallons of water (1/2 pound of 25% Wettable Powder per 100 gallons = 1 level teaspoonful per 1 gallon). Spray all foliage surfaces including the underside of leaves for complete coverage. Repeat as necessary.

\*This MORESTAN dosage is calculated for conventional sprayers. When lower volumes of spray are applied per acre as with low-pressure, low-volume, airplane, or mist-type equipment, increase the concentration of MORESTAN in the spray mixture in order to apply amount of MORESTAN per acre equivalent to a full coverage spray.

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RENTHECT-100

Under some conditions, injury may occur to foliage of certain fruit trees.

Do not use summer oils if MORESTAN is used in the cover spray program.

Do not use spreader-sticker materials with MORESTAN.

MORESTAN is toxic to fish. Do not apply where runoff is likely to occur. In cleaning of equipment or disposal of wastes, do not contaminate streams, lakes, or ponds with this material.

Do not allow sprays to drift onto other crops, including pastures. Do not graze treated areas.

Do not use on other crops used for feed and forage. Use only according to label directions. Applications at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse.

Phytotoxicity has occurred on the foliage and flowers of several varieties of roses, especially during periods of high temperatures. Treat roses only after cutting and before new growth appears. Before treating large plantings for the first time, treat a few plants and observe for 4 or 5 days. Under certain conditions, some injury to other ornamentals may occur.

CONTAINER DISPOSAL: Do not reuse empty container. Destroy it by burying with waste or burning. Stay away from smoke.

## CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing of spray mist. Wash thoroughly with soap and warm water after handling.

Under conditions of bright sunlight, particularly if wind is present, some persons spraying MORESTAN experience a skin reaction on exposed parts of the body similar to sunburn. When applying sprays containing more than 1/2 lb. MORESTAN 25% Wettable Powder per 100 gal. water it is recommended that sufficient clothing be worn to cover most body areas and that a suitable sun-screen lotions such as Uval (Dome Laboratories) or Solar (Person and Covey), be applied to body areas necessarily left uncovered such as the neck and face.

Do not contaminate feed or food. Keep out of reach of children.

## WARRANTY AND LIMITATION OF DAMAGES

Chemagro warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale; subject to the risks referred to therein. CHEMAGRO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, and no agent of Chemagro is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

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

Label for 100% Propox Res. Insecticide...  
under EPA Notice 28-3 and a list of...  
pesticides applied for in 1974...  
years restricted to the Northeast only.  
7/25/74: Deleted and re-labeled, grapes  
and pears.

100% Propox Res. Insecticide...  
EPA Reg. No. 3125-117-AA

EPA Reg. No. 3125-117-AA



25% Wettable Powder

MILICIDIN - FUNGICIDE

IN CONVENIENT WATER SOLUBLE PACKETS

MAY 1 1974

3125-117

FOR EFFICIENT CONTROL OF MITES  
AND POWDERY MILDEW

KEEP WATER SOLUBLE PACKETS IN THIS CONTAINER  
AND STORE IN A COOL DRY PLACE BUT NOT LONGER  
FRIGID (32° F)

CAUTION

(See race panel for caution  
statements)

KEEP OUT OF REACH OF CHILDREN

GUARANTEED

ACTIVE INGREDIENT:  
 6-methyl-1,5-dithio-2,4-dithiane [4,5-b]  
 25%

INERT INGREDIENTS: ..... 75%  
 100%

U.S. Patent No. 3,091,613  
 Canadian Patent No. 659,270

EPA Reg. No. 3125-117-AA

STOP - READ THE LABEL BEFORE USE

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY

CONTAINS TEN 8-OUNCE WATER SOLUBLE PACKETS  
TOTAL NET WEIGHT 5 POUNDS

MANUFACTURED BY

CHEMAGRO  
Division of Baychem Corporation  
Box 4913, Kansas City, Mo. 64120

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not underlined.

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DIRECTIONS FOR USE

**IMPORTANT:** Read label and entire Directions and Conditions of Sale, including the Warranty and Limitation of Damage provision, before using MORISTAN 25% Wettable Powder.

**CONDITIONS OF SALE:** These Directions for Use reflect the opinion of experts based on tests of effectiveness, of toxicity to plants and laboratory animals and of residues on or in food or feed under normal conditions of use. However, because of the wide range of conditions under which this product may be used, even though label directions are followed, it is impossible to eliminate all risks associated with its use because of abnormal conditions beyond the control of the seller. Chemagro and the Seller offer, and the Buyer uses, this product subject to the understanding that the Buyer assumes all such risks.

MORISTAN 25% Wettable Powder miticide - fungicide is recommended for residual control of aphids, mites, mite eggs, and powdery mildew. The formulation mixes readily with water to form a suspension which is usable in all conventional hand or machine-operated sprayers. For best results, apply a thorough coverage before mites or mite eggs are present in large numbers and before mites cause bronzing of the foliage. Apply during good drying conditions. (See Restrictions). Consult your State Agricultural Extension Service or Experiment Station for detailed information on timing of applications for most effective control.

**MIXING:** The enclosed packets containing MORISTAN 25% Wettable Powder are water soluble. Do not allow packet to become wet prior to adding to the spray tank. Do not handle with wet hands. Reveal outer bag to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under "Recommended Application", into the spray tank while filling with water to the desired level. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately 5 minutes from the time they were added to the water.

**DOSAGE:** Use specified dosage of MORISTAN 25% Wettable Powder in the designated amount of water necessary to give complete coverage of foliage. Determine the total amount of wettable powder to be added to the spray tank based on the rates under "Recommended Applications". For each 1/2 pounds (8 ounces) of wettable powder to be added to the spray tank use one 8-ounce packet. For example, if it is determined that 1-1/2 pounds (24 ounces) of MORISTAN 25% Wettable Powder should be added to the spray tank, add three 8-ounce packets. The type of equipment used will determine the concentration required; however, use of these packets is not recommended for making highly concentrated mixtures such as used in aircraft spraying.

7/2/8

CROP	PEST	Pounds MORESTAN 25% W.P.	REMARKS
<u>BEARING CITRUS</u> (Florida and Florida only) Grapefruit Oranges Lemons Tangerines	Citrus red mite Citrus rust mite Texas citrus mite Mite eggs	1 to 1-1/2	Apply specified dosage per 100 gallons of water. Spray all surfaces, including the underside of leaves for complete coverage. Do not apply more than twice per fruit crop year nor within 35 days of harvest.
<u>BEARING NAVIL ORANGE TREES</u> (California Arizona) (Post-harvest in fall or early winter when no fruit is present)	Citrus red mite Citrus rust mite Texas citrus mite Mite eggs	1 to 1-1/2	Apply specified dosage per 100 gallons of water. Spray all surfaces including underside of leaves for complete coverage. Apply only post-harvest in fall or early winter when no fruit is present.
<u>NON-BEARING FRUITS:</u>			
Apples	Powdery mite Mites Mite eggs	1/2 to 1	Apply specified dosage per 100 gallons of water. Spray all foliage surfaces including the underside of leaves for complete coverage. Repeat as necessary. For control of powdery mildew, make preventive applications before disease appears and apply at 7- to 14-day intervals. During heavy infection periods, make more frequent applications. Do not apply to fruit trees that will bear fruit within one year of application. Apply to strawberries, as recommended, in propagating beds and in the field during the year of setting new plants but not after first bloom appears on the following year.
Apples Cherries Raspberries Peaches Pears Plums Prunus	Mites (except cyclamen mite) Mite eggs	1/2 to 1	
Strawberries			
Citrus	Citrus red mite Citrus rust mite Texas citrus mite Mite eggs	1 to 1-1/2	Apply specified dosage per 100 gallons of water. Spray all surfaces, including the underside of leaves for complete coverage. Repeat as necessary. Do not apply to trees that will bear fruit within one year of application.
<u>NON-BEARING NUTS</u>			
Walnuts	Aphids Mites Mite eggs	1	Apply specified dosage per 100 gallons of water. Spray all foliage, surfaces, including the underside of leaves, for complete coverage. Repeat as necessary. Do not apply to trees that will set fruit during the current crop year.
<u>ORNAMENTALS:</u>			
Flowers Shrubs	Mites Mite eggs	1/2 to 1	Apply specified dosage per 100 gallons of water (1/2 pound of 25% Wettable Powder per 100 gallons = 1 level teaspoonful per 1 gallon). Spray all foliage surfaces including the underside of leaves for complete coverage. Repeat as necessary.

\*This concentration is calculated for conventional sprayers. When lower volumes of spray are applied per acre as with low-pressure, low-volume, or mist-type equipment, increase the concentration of MORESTAN in the spray mixture in order to apply amount of MORESTAN per acre equivalent to a full coverage spray. Refer also to "DOSAGE" paragraph.

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RESTRICTED

Under some conditions, injury may occur to foliage of deciduous fruit trees.

Do not use solvent oils if MORESTAN is used in the cover spray program.

Do not use spread-sticker materials with MORESTAN.

MORESTAN is toxic to fish. Do not apply where runoff is likely to occur. In cleaning of equipment or disposal of wastes, do not contaminate streams, lakes, or ponds with this material.

Do not allow sprays to drift onto other crops, including pastures. Do not graze treated areas.

Do not use on other crops used for food and forage. Use crop according to label directions. Applications at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse.

Phytotoxicity has occurred on the foliage and flowers of several varieties of roses, especially during periods of high temperatures. Treat roses only after cutting and before new growth appears. Before treating large plantings for the first time, treat a few plants and observe for 4 or 5 days. Under certain conditions, some injury to other ornamentals may occur.

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