

55260-5

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

JAN 22 2002

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Chimac-Agriphar, S.A.
C/o Mr. Bert Volger
CERES International LLC
1087 Heartsease Drive
West Chester, PA 19382

Subject: Dodine 65W
EPA Registration Number 55260-5
Your Amendment Dated 10/02/2002

Dear Mr. Volger:

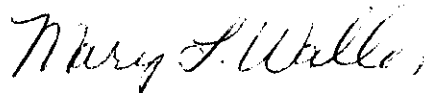
The amendment referred to above, submitted in connection with registration under the Federal, Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided the following changes are made:

1. In the ingredients statement, line up the percentages correctly.
2. Move the statements on page three "Do not apply this product in a way that will contact workers . . . agency responsible for pesticide regulations." so that the sentences appear immediately under the misuse statement following the header "Directions for Use".
3. Under "Storage and Disposal", revise the pesticide disposal statement to read as follows: "Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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."
4. Under "Compatibility", delete the "s" off of "sulfurs".
5. Add the following guidance after the last sentence under the section "Compatibility": "Follow the most restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing."

6. On page four under "Cherry (sour and sweet)", in the sentence under blossom brown rot, add an "s" to the word "an" so that the sentence reads "Repeat application at full bloom and again at petal fall."
7. On page five, under "Black Walnut", add a period between the last two sentences so that the sentences read as follows: "Repeat application at 10 to 14 day intervals. Do not graze meat or dairy animals in treated groves."

A stamped copy of the label for Dodine 65W is enclosed for your records. Please submit one copy of your final printed labeling before you release the product for shipment. The label for Syllite 65W Fruit Fungicide will not be stamped. According to the Agency files, a letter from Rhone-Poulenc dated 10/30/97 indicates that Syllit 65W Fruit Fungicide is an alternate brand name. The Agency only stamps the label bearing the primary product name. If you have any questions, you may contact me at (703) 308-9354.

Sincerely,



Mary L. Waller
Product Manager 21
Fungicide Branch
Registration Division (7505C)

Enclosure

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DODINE® 65W FUNGICIDE

FOR CONTROL OF CERTAIN DISEASES OF APPLES, CHERRIES, PEACHES, PEARS PECANS, STRAWBERRIES AND WALNUTS.

ACTIVE INGREDIENT:

Dodine (n-dodecylguanidine acetate) 65.0% *

INERT INGREDIENTS:

35.0%

TOTAL

100.0%

*Equivalent to 5.5 pounds of Dodine per gallon

EPA Reg. No. 55260-5

EPA Est. No.

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

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-228-5535

For PRODUCT USE Information Call Collect 612-851-8180 Ext. 136

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

For PRODUCT USE Information Call Collect 612-851-8180, Ext. 136

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-228-5635

"Have the product container or label with you when calling a poison control center or doctor, or going to treatment."

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the usage of gastric lavage.

PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through skin. Wear goggles or face shield when handling. Avoid contact with skin or clothing. Avoid breathing spray mist or dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, chemical-resistant apron when mixing or loading and dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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. Some materials that are chemical-resistant to this

product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

ENGINEERING CONTROL STATEMENTS

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 thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water when disposing of equipment wash waters. Do not apply when weather conditions favor drift from areas treated.

DIRECTIONS FOR USE

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

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.

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

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 long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical resistant footwear plus socks, chemical resistant head-gear for overhead exposure, and protective eyewear.

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

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE INSTRUCTIONS: Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be cool dry area away from any heat or ignition source. Do not allow storage in a damp or humid area. Do not stack over 2 pallets high. Move bags carefully so as not to tear or puncture. Do not move from one area to another unless they are securely sealed to prevent dust from escaping. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Avoid contamination with acids and alkalies. Store in original containers only. If the contents are leaking or material is spilled follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with water and soap to remove remaining pesticide.
3. Follow washing with clear water rinse.
4. Do not allow runoff to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below:

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

GENERAL USE PRECAUTIONS

Do not apply this product through any type of irrigation system.

Consult your state experiment station or state extension service for proper timing of sprays. Do not graze cover crops in treated orchards.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

RESISTANCE MANAGEMENT

It is known that certain plant pathogens might develop resistance to products used repeatedly for disease control. For good resistance management practices, it is recommended to follow the specific use directions on the label. It is essential to alternate DODINE 65W with other labeled fungicides that have a different mode of action. This management program will prevent the buildup of resistance and will ensure that DODINE 65W Fungicide can be maintained as a valuable fungicide. Where resistance to DODINE 65W is known or suspected, use an alternate fungicide for control of the disease.

DILUTE AND CONCENTRATE SPRAYS

DODINE65W may be used effectively in dilute and concentrate sprays when applied properly to deliver the recommended rate (lb per acre). Trees must be covered uniformly. Fruit and foliage should not be excessively drenched with dilute sprays. Avoid heavy deposits when using concentrate sprays.

INSTRUCTIONS FOR MIXING

DODINE 65W, a fine wettable powder, should be added directly to the spray tank when half filled with water. Keep agitator running during filling and spraying. Do not wash wettable powder through filter screen into spray tank.

COMPATIBILITY

Experience indicates that DODINE 65W can be used effectively at recommended dosages with most of the commonly used fungicides, insecticides and acaricides such as:

azinphosmethyl	ferbam
carbaryl	malathion
chlorbenside	phosmet
diazinon	phosphamidon
dicofol	propargite
dimethoate	ryania
dinocap	sulfurs
endosulfan	

While DODINE 65W has been used satisfactorily with emulsifiable concentrate formulations and flowable (water-based) emulsions, it is desirable to check the compatibility of this type combination before materials are mixed in the spray tank. DODINE 65W is not compatible with chlorobenzilates, Bordeaux mixtures, and fixed copper, lime or lime sulfur. Observe all cautions and limitations on labeling of all products used in mixtures.

DODINE 65W AND OIL

Tank-mix combinations of DODINE 65W and oils of 60-75 viscosity have been used effectively as a delayed dormant application on apples. Oils of the slow-breaking type are suggested for tank mixing with DODINE 65W. Liquid concentrate or flowable (water-based) emulsion formulations of the phosphate insecticides have been used satisfactorily in DODINE 65W oil systems. Wettable powder formulations of azinphosmethyl, carbophenothion and certain other insecticides have appeared suitable in limited trials. DODINE 65W oil mixtures are not compatible with wettable powder malathion, carbaryl, ferbam and sulfurs.

Because uniform dispersibility and sprayability may be influenced by the particular oil or phosphate insecticide formulation used or by the local water supply, it is recommended that compatibility be determined before adding pesticides to the spray tank.

PROCEDURE FOR TANK-MIXING DODINE 65W WITH INSECTICIDES AND OIL

1. DODINE 65W should be added to the tank when 1/4 to 1/2 full with water and allowed to mix thoroughly.
2. If insecticide is used, add as tank is filling.
3. Add self-emulsifying oil last when tank is nearly 3/4 full.

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Consult your state agricultural experiment station or state extension service for information on self-emulsifying oils and pesticide formulations for tank mixing with DODINE 65W.

APPLE: Scab - Protection Schedule (Ground Application) - Use 1-2 lbs. per acre of DODINE 65W at 5 to 7 day intervals or as needed to maintain scab control pre-bloom through the first cover applications. Use 1 lb. per acre DODINE 65W in subsequent cover sprays as needed.

DODINE 65W may be used in a delayed dormant oil schedule. Use 1 to 2 lbs. DODINE 65W with 8 gallons of oil of 60-75 viscosity per acre. For mixing instructions, refer to DODINE 65W and OIL section on label.

(Air Application) Use 1 1/2 lbs. DODINE 65W per acre in 5 to 7 gallons of spray at 5 to 7 day intervals or as needed to maintain scab control from prebloom through the first cover sprays. Repeat application in subsequent cover sprays as needed.

"After-infection" Applications - After an infection period has occurred, use 3 lbs. per acre DODINE 65W during or following a rain from pre-bloom through first cover applications and, in later cover sprays, as needed. While timing of the spray may vary considerably depending upon temperatures, it is recommended that application be made within 36 hours, from the beginning of the rain or wet period, which caused the infection.

Do not apply within 7 days of harvest.

Wettable sulfur can be used in combination with DODINE 65W for control of powdery mildew on apples. Consult your state extension service for proper rates and timing of sprays.

DODINE 65W TREATED APPLES SHOULD NOT BE USED IN THE MANUFACTURE OF APPLE POMACE FOR USE IN LIVESTOCK FEEDS. SUCH USE MAY RESULT IN ILLEGAL RESIDUES IN MILK OR MEAT.

Fruit color and finish on most apple varieties sprayed with DODINE 65W at recommended dosages have frequently been outstanding.

DODINE 65W may cause russetting of Golden Delicious and Grimes Golden apple varieties if applied during cool, slow drying weather conditions. Do not use on these varieties under these conditions.

Freezing or near-freezing temperatures, particularly when accompanied by slow-drying conditions may injure apple fruit or predispose the fruit to chemical injury. Do not exceed 2 lbs. DODINE 65W per acre immediately before, during or immediately after occurrence of such conditions.

CHERRY (SOUR AND SWEET): Leaf Spot - Use 1 to 2 lbs. DODINE 65W per acre at petal fall or when first leaves unfold. Repeat application thereafter at 7 to 10 day intervals. If conditions favor leaf spot, continue applications through harvest.

Post-Harvest Sprays: Apply 1 to 2 lbs. DODINE 65W per acre immediately after harvest and as needed.

Blossom Brown Rot (Western States Only): Use 2 lbs. DODINE 65W per acre at the time petals begin to open. Repeat application at full bloom and again at petal fall.

Wettable sulfur can be used in combination with DODINE 65W for control of powdery mildew on cherries. Consult your state extension service for proper rates and timing of sprays.

Applications of DODINE 65W to cherries when temperatures and humidity are excessively high may cause spotting to foliage or fruit.

PEACH: Bacterial Spot - Under light to moderate disease conditions, use 2 lbs. DODINE 65W and 4 lb. captan (50%) per acre (use. 1/2 lb. DODINE 65W and 1 lb. captan (50%) per 100 gallons of spray) at shuck-split and repeat application at 7 to 10 day intervals through the cover sprays. Shorten intervals during wet periods as needed to maintain maximum protection against infection.

Do not use concentrate sprays higher than 3x.

Do not apply within 15 days of harvest.

Captan or the DODINE-captan mixture is toxic to fish. Do not contaminate any body of water.

Limited experience indicates that wettable powder formulations of azinphosmethyl, dicofol, tetradifon, and endosulfan are compatible with the mixture. Do not combine DODINE 65W and captan with solvent formulations of insecticides or sulfur. Spray injury may result if the combination is applied with, immediately before, or closely after an oil or zinc sulfate-lime spray.

PEACH: Leaf Curl (Western States Only) - Use 4 lbs. DODINE 65W per acre just before buds swell in the spring. If leaf curl was moderate to severe the previous season, use 4 lbs. DODINE 65W per acre 1 month before buds swell in the spring and again just prior to bud swelling.

Blossom Brown Rot (Western States Only) - Use 2 lbs. DODINE 65W at the time petals begin to open. Repeat applications at full bloom and again at petal fall.

Do not apply after petal fall.

PEAR: Scab (Western States Only) Use 3 lbs. DODINE 65W per acre of spray at 5 to 7 day intervals or as needed to maintain scab control from prebloom through petal fall and again in first cover. Use 2 to 3 lbs. DODINE 65W in subsequent sprays as needed.

Do not make more than six applications per season. A maximum of two applications may be made in the final two months prior to harvest: one made no later than 14 days prior to harvest and the final application made no later than 7 days prior to harvest.

(Air Application - Oregon Only) - Use 2 to 3 lbs. DODINE 65W per acre in 5 to 7 day intervals or as needed to maintain scab control from prebloom through the first cover sprays. Repeat application in subsequent cover sprays as needed.

Do not make more than six applications per season. A maximum of two applications may be made in the final two months prior to harvest: one made no later than 14 days prior to harvest and the final application made no later than 7 days prior to harvest.

PECANS: Scab, liver spot, brown leaf spot, downy leaf spot, leaf blotch, downy mildew - (Ground Application) - Use 2 to 4 lbs. DODINE 65W per acre of spray. Begin applications when first leaves are showing and repeat at 10 to 14 day intervals through first cover. Repeat applications at 2 to 3 week intervals or as needed to maintain disease control.

(Air Application) Use 2 lbs. DODINE 65W per acre in a minimum of 20 gallons of spray. Begin applications when first leaves are showing and repeat at 10 to 14 day intervals through first cover. Repeat application at 2 to 3 week intervals or as needed to maintain disease control. Under severe scab conditions, use 4 lbs. DODINE 65W per acre in a minimum of 20 gallons of spray.

Do not apply after shucks have started to open.

Do not graze meat or dairy animals in treated groves.

DODINE 65W has been used effectively on most pecan varieties. Severe foliage injury has been experienced on Barton, Moore, Shawnee and Van Deman in the Southeast.

STRAWBERRY: Leaf Scorch, Leaf Spot and Leaf Blight - Use 1 1/2 to 2 lbs. DODINE 65W per acre in sufficient water (250 - 300 gallons) for thorough plant coverage. Make first application as soon as new growth starts and repeat sprays at weekly intervals. Do not apply within 14 days of harvest.

BLACK WALNUT: Anthracnose (Leaf Blight) - Use 4 lbs. DODINE 65W per acre when first leaves unfold. Repeat application at 10 to 14 day intervals Do not graze meat or dairy animals in treated groves.

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:
JAN 22 2002

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

55260-5

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness 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 CHIMAC-AGRIPHAR. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: CHIMAC-AGRIPHAR MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of CHIMAC-AGRIPHAR is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CHIMAC-AGRIPHAR DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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Chimac-Agriphar S.A.,
Rue De Renory, 26
B-4102 Ougree, Belgium

Dodine is a registered trademark of Chimac-Agriphar S.A.

DODINE 65W Fruit Fungicide (MASTER) Approved 1/8/99, Approved by Notification 5/14/99, Approved by Notification 5/27/99, amendment submitted on 6/27/01; resubmitted on 10/02/01 in response to EPA's letter of 09/27/01 .