

ACCEPTED

JAN 30 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act

DUTER Wettable Powder

SEE FOLDER FOR USE INSTRUCTIONS ENCLOSED IN BOTTOM FOLD

DU-TER

FUNGICIDE

Wettable Powder in Water Soluble Bags

UNIROYAL

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

DANGER

Corrosive, causes eye damage, and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles, face shield and rubber gloves when handling. Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe vapors or spray mist. Avoid contamination of foodstuffs and feed. Wear clean protective clothing and bathe after each exposure.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to any body of water. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame

COMPOSITION

Active Ingredient (by weight)	
Triphenyltin hydroxide*	47.5
Inert Ingredients	52.5
TOTAL	100.0

*Equivalent to 15.3% Metallic tin

Manufactured or sold under one or more of the following U.S. Patents: 3,113,069; 3,140,977; 3,243,763; 3,395,226; 3,445,575 and other Patents Pending

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

STORAGE - Store in a dry location. PESTICIDE DISPOSAL - 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.

CONTAINER DISPOSAL - Completely empty by hand, using proper equipment. Do not reuse. Dispose of empty container by recycling, if available, or by incineration, or if allowed by State and local authorities, by other means if authorized by label instructions.

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Remove victim to fresh air and apply respiration if indicated. IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly. IF IN EYES: Rinse eyes for at least 15 minutes with water and call a physician immediately. SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT

Mfg. by UNIROYAL CHEMICAL - Division of UNIROYAL, Inc. Naugatuck, Connecticut 06770 EPA REG NO 400 160 EPA EST NO

9-20 83

Lot. No

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NET WEIGHT

DUTER Wettable Powder

DIRECTIONS FOR USE

BEFORE USE, READ DIRECTIONS, WARNING AND NOTICE STATEMENTS CAREFULLY. Consult agricultural extension or agricultural experiment station specialists regarding timing recommendations.

GENERAL INFORMATION

Full coverage is necessary for best results. Diluted spray should be directed to all parts of the plant uniformly. Gallonage increased according to size of plants. Use the lowest application rates in protective schedules, higher rates later in the season or during high infection periods.

MIXING

Before adding DU-TER to the spray tank, partially fill with water. Add the desired amount of DU-TER according to the rates listed elsewhere. After mixing thoroughly, add remaining water to spray tank. Continuous agitation within the spray tank is essential. If used in combination with liquid products, place DU-TER in tank first and when completely wetted, add emulsifiable concentrate or other liquid product. Wash out spray tank thoroughly after use. If rinsate cannot be used according to label instructions, contact the nearest EPA regional office for guidance in disposal. Observe all cautions and limitations on labeling of all products used in mixtures.

APPLICATION METHODS

Ground - Mix with water for a total solution of 10-100 gallons per acre.

Aerial - Mix with water for a total solution of 3-20 gallons per acre.

SPRINKLER IRRIGATION - In non-mobile systems, application may be made as a part of the usual irrigation or as separate treatment. Irrigation systems must be equipped with safety valves or other devices to prevent backsiphoning of pesticide into water source. Any irrigation water treated with this product should be held on the treated area until it is absorbed by the soil. It should not be turned into the tail water or fed back into the irrigation system.

Irrigation Equipment - A tank connected to the suction side of irrigation pump, field sprayer or other pressurized equipment connected to the main irrigation line may be used for injection. Good agitation must be provided in injection tank.

CALIBRATION AND USE IN SET SYSTEMS AND OTHER NON-MOBILE SYSTEMS

1. Measure acreage covered by sprinklers.
2. Operate irrigation system and injection equipment at normal pressures.
3. Fill tank of injection equipment.
4. Adjust flow from injection equipment to use container over a period of 10 to 30 minutes.
5. For application of DU-TER, mix desired amount of product for acreage to be covered (see chart for rates) into quantity of water used during prior calibration and operate entire system for amount of time established during calibration. DU-TER should be injected at the end of the irrigation cycle or as a separate application.
6. Stop injection equipment after treatment is completed and continue to operate irrigation system until DU-TER has been cleared from the last sprinkler head. Refer to dye method discussed below.

CALIBRATION AND USE IN CENTER PIVOT AND OTHER MOBILE SYSTEMS

1. Operate system and injection equipment at normal pressures.
2. Fill tank of injection equipment.
3. If rotary center pivot or center pivot, operate entire system for one complete trip, measure time required, amount of water used from pump, from tank or other source, and before treatment, test the water flow and rate of application of the system in place in the main canal to be determined.
4. For application of DU-TER, provide quantity of water for area to be treated (see chart for rates) into quantity of water used during prior calibration and inject into water flow, for one complete coverage of the field.
5. If rotary, must be stopped after DU-TER has been applied to the main canal, stop injection equipment after treatment is completed and continue to operate irrigation system until DU-TER has been cleared from the last sprinkler head. Refer to dye method discussed below.
6. With mobile systems, injection equipment should be stopped after treatment is completed.

DYE CALIBRATION

Apply dye and dye solution to the system at the same rate as the DU-TER. After the dye has been applied, stop the system and clear the dye from the last sprinkler head.

1. During calibration, inject dye into the system at the same rate as the DU-TER. Dye and dye solution should be applied to the system at the same rate as the DU-TER. The dye should be taken for the dye to be released from the last sprinkler head.
2. Collection of water from the last sprinkler head in a glass jar with a cover. The dye should be taken at that point.

IMPORTANT NOTICE - Seller warrants that this product is fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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USE CHART

CROP/DISEASE	RATE A	REMARKS	PRECAUTIONS
SUGARBEETS Leafspot (Cercospora beticola)	4-10 oz	Application should begin when leaf-spot conditions appear or when the disease is in the area and repeat at 10-14 day intervals.	Do not feed beet tops to livestock. Do not add surfactants, spreaders or stickers to Du-ter sprays. Do not graze dairy or meat animals in treated areas. Do not apply within 14 days of harvest.
POTATOES Early and Late Blight Botrytis gray mold	5-10 oz (6-10 oz - through irrigation)	Application should begin when weather conditions favor disease development and continue on a 7-day schedule. (Use only sprinkler irrigation method of application for Botrytis gray mold.) Full coverage of foliage is necessary for best results.	Do not add surfactants, spreaders or stickers. Do not graze dairy or meat animals in treated areas. Do not apply within 7 days of harvest. May be used in combination with wettable powder and emulsifiable concentrate insecticides however, before using with emulsifiable concentrates it is suggested that the mixture be tested for phytotoxic response under actual use conditions. For helicopter application fly high enough so as not to whip the vines.
PECANS Scab Brown Leaf- spot Downy spot Powdery Mildew Liver Spot Shooty Mold Leaf Blotch	75-15 lbs	Applications should be at pre-pollination stages when the young leaves are unfolding and a second application made when the small nuts are forming. Repeat at 2-4 week intervals as needed. To maintain control use lower rate for first two applications or until disease becomes severe or during dry weather. Use higher rate during wet weather or during severe disease infections.	Do not apply after shucks have started to open. Do not graze dairy or meat animals in treated areas. Du-ter may be applied in combination with emulsifiable concentrate or wettable powder insecticides.
CARROTS Cercospora Leafspot Alternaria blight	4-8 oz	Applications should begin 6 weeks after planting or as soon as first signs of disease appear. Continue at 7 day intervals or as needed for control.	Do not use tops as feed for livestock. Do not add surfactants, spreaders or stickers to sprays. Do not graze dairy or meat animals in treated areas. Do not apply within 14 days of harvest.
PEANUTS Cercospora leafspot & Spot Mildew Downy mold	5-8 oz	Application should begin approximately 6 weeks after planting or as first signs of leaf spot appear. Spray applications should continue on a 10-14 day schedule.	Do not allow hogs to feed on peanuts in treated fields. Do not use vines as feed. Do not graze dairy or meat animals in treated fields. Do not add surfactants, spreaders or stickers to sprays. Do not mix with emulsifiable concentrate or liquid formulation. Do not apply within 14 days of harvest.

DU-TEK
Explanation of Proposed Changes

Label Format: Each product has been put into the new Uniroyal format with label text oriented on 11" paper.

PR Notice 83-3: "Storage and Disposal" statements have been revised as required under PR Notice 83-3.

Directions for Use: Under "Mixing", the statement "and dispose of washings by burying away from water supplies" has been deleted and replaced with "If rinsate cannot be used according to label instructions, contact the nearest EPA regional office for guidance in disposal".

Use Chart: Under "Katox", "Potatoes" and "Pecans" the gallons per acre of solution has been deleted since it has already been expressed under the heading "Application Methods". In addition, the pecan rate exceeds the per acre rate if expressed in "per 500 G/A" terms and only confuses the user.

Under the "Remarks" heading for "Potatoes" the following statement has been added: "Full coverage of foliage is necessary for best results".

Please note that products DU-100 and DU-101 are identical formulations except for the water soluble packaging (4-10).

We will advise of PR Notice 83-3 (farworker safety) in a subsequent edition.