

Drexel

ACCEPTED
19713-12
July '07 1984
Federal Insecticide,
Fungicide and Rodenticide Act
Label for the pesticide
under
EPA Reg. No.

Defol

Cotton Defoliant with Fire Retardant

ACTIVE INGREDIENT:
Sodium Chlorate 28.0%
INERT INGREDIENTS: 72.0%
TOTAL: 100.0%

*Product contains 3.0 pounds of Sodium Chlorate per gallon.

Keep Out Of The Reach Of Children
WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

EPA Registration Number 19713-12
EPA Establishment Number 19713-MS-1

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING: Corrosive. Causes eye damage. Harmful or fatal if swallowed. Do not get in eyes or on clothing. Wear goggles or face shield when handling. Avoid contact with skin. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.
STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available drink large quantities of water. Avoid alcohol. Get medical attention.
IF IN EYES: Flush with water for 15 minutes. Get medical attention.
IF SPILLED ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
ENVIRONMENTAL HAZARDS
Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from target area.

GENERAL INFORMATION:
WARNING: Do not allow spray to contact adjacent crops or other plants that may be defoliated. Clean and wash spray equipment before and after use and do not allow wash water to contact desirable plants. To avoid fire or explosion do not mix with insecticides. 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.

FARMWORKER SAFETY
Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING**—Area treated with Sodium Chlorate on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure refer to the Statement of Practical Treatment on the Defol label.

COTTON DEFOLIATION: Plants must be mature to get results with a defoliant. The usual signs of maturity include a slight yellowing of the foliage and a reddish tinge on the leaves with a clean break by a slight downward pull. Plants should not be drought-stricken because the tough wilted leaves do not permit uptake of the chemical or growth of an abscission layer. When defoliants are applied to drought-stricken plants the leaves will die but usually not drop thereby causing extra trash to be picked up in harvesting.

Weather conditions that favor good defoliation are high temperatures, high humidity, low wind velocity and high to adequate soil moisture. Plant conditions which favor good defoliation are ample fertility and moisture, complete insect control, heavy boll load and bolls mature, vegetative growth ceased, and little or no second growth.

Apply 1 to 1½ gallons of DEFOL per acre in sufficient water to give thorough coverage. When using ground equipment, apply 15 to 20 gallons of spray solution per acre and by air 5 gallons of spray solution per acre. Thorough coverage is essential.

Apply DEFOL to mature cotton plants after the youngest bolls expected to make cotton are at least 30 days old. Do not apply later than 7 days before harvest.

GRAIN SORGHUM—DEFOL may be used to reduce the moisture content in grain sorghum prior to harvest. DEFOL may be applied by aircraft or ground equipment. Thorough coverage of the grain sorghum is essential.

To reduce the moisture content of grain while the crop is standing, apply 1½ to 2 gallons DEFOL per acre in sufficient water to give thorough coverage. Apply from 7 to 10 days before harvest. Apply a total of 5 to 10 gallons of spray per acre by airplanes and 10 to 20 gallons per acre by ground equipment. Use the lower rate when grain moisture is low and the weather is clear and dry. Use the higher rate when conditions for desiccation are poor.

SUNFLOWER—To facilitate harvest and reduce moisture in the fully mature seed heads apply 2 gallons of DEFOL in sufficient water to give good

BEST DOCUMENT AVAILABLE

coverage, 7 or more days before normal harvest when sunflower heads are fully mature. Apply in 5 to 10 gallons of water per acre by air or in 20 to 30 gallons of water per acre by ground with a high clearance sprayer. Do not apply later than 7 days before harvest. Do not graze treated fields or feed treated forage within 14 days of application.

SAFFLOWERS—To facilitate harvest and reduce moisture in the fully mature seed heads apply 2 gallons of DEFOL in sufficient water to give good coverage, 7 or more days before normal harvest when safflower heads are fully mature. Apply in 5 to 10 gallons of water per acre by air or in 20 to 30 gallons of water per acre by ground. Do not apply later than 7 days before harvest. Do not graze treated fields or feed treated forage.

RICE—To facilitate harvest and reducing moisture in the fully mature seed heads, and to desiccate immature red rice in mature white rice, apply by aircraft 1½ to 2 gallons of DEFOL per acre in 5 or more gallons of water per acre. Use the lower rate when crop conditions and weather are right to enhance rapid drying. Apply 7 to 10 days before anticipated harvest. To avoid drift do not apply during windy weather. Thorough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residues within 14 days of application.

SOYBEANS—As a soybean harvest aid to dry weeds in early maturing soybeans and to facilitate the harvest, apply 2 gallons of DEFOL per acre in enough water to give thorough coverage. Application may be made by ground equipment or aircraft. Make application 7 to 10 days before anticipated harvesting date when beans are mature and ready for harvest. For air application use a minimum of 5 gallons ready-to-apply spray solution per acre, for ground equipment apply a minimum of 20 gallons of ready-to-apply spray solution per acre. Do not graze treated fields or feed treated soybean forage.

GUAR BEANS—To facilitate harvest and reduce bean seed moisture, apply 2 gallons of DEFOL in enough water to provide thorough coverage either by aircraft or ground equipment. Make application 7-10 days before anticipated harvest date. Do not apply under conditions of extreme heat during the middle of the day. For air application, use 5-10 gallons of total solution per acre; for ground application, use a minimum of 20 gallons of total solution per acre.

NOTE: DO NOT graze treated fields or feed treated fodder or forage to livestock.

CHILIPEPPERS—Apply 1 to 2½ gallons per acre in 5 to 15 gallons of water by aircraft and 20 to 40 gallons of water by ground rig. To be used on peppers for processing only. Apply 10 days before harvest. When grown for processing, consult a processor before applying.

FLAX—For Use as a Harvest Aid: To desiccate trashy weeds and desiccate the mature crop, apply 2 gallons Defol per acre in enough water to give thorough coverage. Make application on bright, sunny days (preferably when temperature is above 60°F) 7 to 10 days before anticipated harvest date. For air application, use minimum of 5 gallons ready-to-apply material per acre. Activity of the spray will be enhanced by the addition of a good nonionic surfactant at the rate of 1 quart per 100 gallons of spray.

NOTE: DO NOT graze treated fields or feed treated flax forage and fodder for 14 days after application.

CORN—Defol may be used as a harvest aid for desiccation of trashy weeds in early maturing corn. Use 2 gallons of Defol in 5 to 7 gallons of water per acre by air. Apply at least 14 days before anticipated harvest date on clear days when temperature is expected to go above 70°F. Use the 5 gallon rate when weeds are small and the crop canopy is fairly open.

NOTE: DO NOT graze treated fields or feed fodder, forage or residual seeds within 14 days of application.

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 in a cool dry area away from any heat or ignition source. Do not stack plastic containers (4X1 gal or 2X2.5 gal) over 2 pallets high. Do not stack metal containers over 4 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. 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. Store in original containers only. Unloading storage and work areas must be as clean as possible to prevent contamination if spilled. If concentrate or spray solution is allowed to dry on flammable objects, the chlorate component can act as an oxidizer. If the contents are leaking or material is spilled follow these steps:

1. Contain spill, absorb with a material such as saw dust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Clothing contaminated with chlorate solution must be removed at once before solution dries. Dried contaminated clothes can be ignited easily. Wash contaminated clothing immediately.
6. Do not allow run off to enter sewer or contaminate water supplies.
7. 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: Metal—Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers—Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITION OF SALE:

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.



Manufactured By

Drexel Chemical Company

MEMPHIS, TENN. 38102-0006

BEST DOCUMENT AVAILABLE



ACCEPTED
NOV - 9 1982
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 19713-12

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Defol

Cotton Defoliant with Fire Retardant

ACTIVE INGREDIENT
Sodium Chlorate 28.0%
INERT INGREDIENTS 72.0%
*Product contains 30 pounds of Sodium Chlorate per gallon

Keep Out Of The Reach Of Children **WARNING**

STATEMENT OF PRACTICAL TREATMENT

IN CASE OF CONTACT with eyes, flush with water for 15 minutes. Get medical attention. In case of contact with skin, wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS 55 GALLONS 208 LITERS
EPA Reg. No. 19713-12
EPA Est. No. 19713-M6-1

PRECAUTIONARY STATEMENTS
WARNING
Hazardous to humans and domestic animals. Irritant. Causes eye, nose, and throat irritation. Harmful if swallowed. Do not get in eyes or on clothing. Wear goggles or face shield when handling. Avoid contact with skin. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.
Environmental Hazards
Keep out of lakes, streams, and ponds. Do not apply when weather conditions favor drift from target area.

DIRECTIONS FOR USE

Use as directed. Do not use for purposes not intended. Do not use in combination with any other defoliant.

DANGER: Do not use on spray crops, trees, shrubs, and other plants that may be damaged. Do not use on plants that are stressed or diseased. Do not use on plants that are heavily laden with fruit. Do not use on plants that are heavily laden with seed. Do not use on plants that are heavily laden with leaves.

COTTON DEFOLIATION: For cotton defoliation, apply 2 to 4 gallons of Defol per acre in 5 to 10 gallons of water per acre by ground or aerial application. Apply 7 to 10 days before anticipated harvest. To avoid drift, do not apply during windy weather. The rough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residue within 14 days of application.

GRAIN SORGHUM: For grain sorghum defoliation, apply 2 to 4 gallons of Defol per acre in 5 to 10 gallons of water per acre by ground or aerial application. Apply 7 to 10 days before anticipated harvest. To avoid drift, do not apply during windy weather. The rough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residue within 14 days of application.

SUNFLOWER: For sunflower defoliation, apply 2 to 4 gallons of Defol per acre in 5 to 10 gallons of water per acre by ground or aerial application. Apply 7 to 10 days before anticipated harvest. To avoid drift, do not apply during windy weather. The rough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residue within 14 days of application.

SAFFLOWERS: For safflower defoliation, apply 2 to 4 gallons of Defol per acre in 5 to 10 gallons of water per acre by ground or aerial application. Apply 7 to 10 days before anticipated harvest. To avoid drift, do not apply during windy weather. The rough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residue within 14 days of application.

SOYBEANS: As a soybean harvest aid to break up pods and speed maturity, apply 2 gallons of Defol per acre in 5 to 10 gallons of water per acre by ground or aerial application. Apply 7 to 10 days before anticipated harvest. To avoid drift, do not apply during windy weather. The rough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated soybean foliage.

RICE: To facilitate harvest and reduce moisture in the fully mature seed heads, and to desiccate immature rice in marshes, apply 2 to 4 gallons of Defol per acre in 5 to 10 gallons of water per acre by ground or aerial application. Apply 7 to 10 days before anticipated harvest. To avoid drift, do not apply during windy weather. The rough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residue within 14 days of application.

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STORAGE AND DISPOSAL
Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Do not use in or near waterways. Do not use on plants that are stressed or diseased.
Pesticide Disposal: Pesticides should be disposed of according to label directions. Do not reuse or refill containers. Do not pour or otherwise dispose of this pesticide or its contents into waterways or the environment.
Container Disposal: Do not reuse or refill containers. Do not burn or otherwise dispose of this pesticide or its contents in waterways or the environment. Do not use for purposes not intended by the manufacturer.

Keep this container closed until ready to use. Do not use if the container is damaged, leaking, or the contents are not as labeled. Do not use if the container is empty or nearly empty. Do not use if the container is not clearly labeled. Do not use if the container is not clearly marked with the name and address of the manufacturer. Do not use if the container is not clearly marked with the net contents. Do not use if the container is not clearly marked with the EPA registration number. Do not use if the container is not clearly marked with the EPA establishment number. Do not use if the container is not clearly marked with the EPA product number. Do not use if the container is not clearly marked with the EPA signal word. Do not use if the container is not clearly marked with the EPA hazard statement. Do not use if the container is not clearly marked with the EPA precautionary statement. Do not use if the container is not clearly marked with the EPA first aid statement. Do not use if the container is not clearly marked with the EPA environmental statement. Do not use if the container is not clearly marked with the EPA disposal statement. Do not use if the container is not clearly marked with the EPA other information.

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