

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1913-13

ACCEPTED
MAY - 3

Drexel

BEST AVAILABLE COPY

Defol

Defoliant/Desiccant 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/inglés no use este producto hasta que le etiqueta haya sido explicado ampliamente.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. If in eyes, flush with water for 15 minutes. Wash thoroughly with soap and water after handling. Rinse mouth if inhaled. Do not eat, drink, or smoke while handling. A shower is indicated if the product has been absorbed through the skin. The product is highly flammable.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with water for 15 minutes.

IF SWALLOWED: Drink plenty of water. Do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. If absorbed, consult a physician.

ENVIRONMENTAL HAZARDS

DO NOT apply to water bodies.

EPA REG. NO. 1913-13
EPA EST. NO. 19-13 MS 1
NET CONTENTS

Manufactured by
Drexel Chemical Company
P.O. Box 9305 Memphis, TN 38108-0305

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Do not apply the product through any type of impaction system.

FARMWORKER SAFETY
Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry 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. Include 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 a 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.

APPLICATION
DEFOL may be applied by aerial or ground equipment. It is essential that the foliage be thoroughly covered. The specified dilution rates should be carefully observed. A nonionic surfactant such as Surf AC 820 or an emulsifiable crop oil such as Pestoil may enhance the results.
DEFOL should not be mixed with insecticides or other organic materials, unless specifically recommended, because a fire or explosion may result.
Precautions should be taken to avoid having spray or spray drift contact adjacent crops or desirable vegetation or they may be obliterated. Equipment should be washed before and after use and care should be taken so that product does not dry in tanks or on spray nozzles. Wash water should not be allowed to contact desirable vegetation.

DEFOLIATION
Defoliation is favored on clear, calm, sunny days with high temperatures and high humidity. If rain is anticipated within 24 hours, application should be delayed whenever possible. Defoliation may be slowed when daytime temperatures are below about 60° F. and with some crops, especially with vigorous varieties, regrowth can occur.

In order to obtain acceptable defoliation results, the crop must be fully mature. In most cases, the signs of maturity include:
1. A slight discoloration of the foliage is apparent, often with a yellowish or reddish tinge.
2. Vegetative growth has slowed or ceased with little or no secondary growth.
3. A slight downward curl on a leaf gives a clean break from the stalk.
Adequate fertility, ample soil moisture, good insect control and good weed control also favor defoliation. Plants which have been under stress as from drought or insect pressure give less reliable results because tough, walled or damaged leaves do not permit the proper uptake of the chemical and tend to inhibit the formation of an abscission layer. Typically, under such circumstances, the leaves are detached but do not drop which, in turn, often causes problems with excessive trash during harvesting.

For crops where there is a heavy canopy of foliage, obtaining thorough coverage is sometimes difficult. Whenever practical, the use of ground equipment should be considered. The higher dilution rates should be used and any other available methods employed which will assure that the plants are completely covered all the way to the bottom leaves. If coverage is incomplete, a second application may be necessary in order to defoliate the lower leaves, and to prevent secondary growth.
DESICCATION

When the objective is to reduce moisture of the crop or to desiccate weeds prior to harvest, most of the points discussed under defoliation are applicable. Incomplete coverage will give erratic results, especially with vines such as morning glory, where the tender stems may be sheltered from the spray by the crop canopy, leaving the vines succulent and tough so they will become entangled in the harvesting machinery. Once again, larger spray volume will encourage more complete coverage and more reliable desiccation.

CROPS
CHILI PEPPERS: Apply 1 to 2 1/2 gallons per acre in 5 to 15 gallons of water by air or 20 to 40 gallons of water by ground equipment, 10 days before harvest. To be used as preservatives for processing only. Consult a processor before applying.

CORN: As a harvest aid to desiccate trashy weeds in early maturing corn, use 2 gallons Defol in 5 1/2 gallons of water per acre by air at least 14 days before anticipated harvest date. Use the low 5 gallon dilution rates when weeds are small and the crop canopy is fairly open. Desiccation of morning glory and other vines may be erratic.

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

COTTON: Apply 1 to 1 1/2 gallons per acre in 5 to 10 gallons of water by air or 10 to 20 gallons of water by ground equipment, 10 days before harvest. The cotton plants should be mature with the youngest bolls expected to make cotton being at least 30 days old. Thorough coverage is essential.
DO NOT graze treated fields or feed on waste to livestock.

DRY BEANS: Apply at a rate of 2 gallons per acre in 5 to 10 gallons of water by air or 10 to 20 gallons by ground equipment. Thorough coverage is essential. Make application 7 to 10 days before anticipated harvest, longer if temperatures are cool.
DO NOT graze treated fields or feed treated fodder or forage to livestock.

FLAX: As a harvest aid to desiccate trashy weeds and to reduce moisture in the mature crop, apply 2 gallons per acre in enough water to give thorough coverage 7 to 10 days before anticipated harvest date. For air application, use a minimum of 5 gallons of water and for ground equipment a minimum of 10 gallons of water. Activity of the spray will be enhanced by the addition of good nonionic surfactant at the rate of 1 quart per 100 gallons of spray.

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

GRAIN SORGHUM: To reduce the moisture content of the grain while the crop is standing, apply 1 1/2 to 2 gallons per acre in sufficient water to give thorough coverage, 7 to 10 days before harvest. Apply a total of 5 to 10 gallons of spray per acre by air and 10 to 20 gallons per acre by ground equipment. Use the lower rates when grain moisture is low and the weather is clear and dry. Use the higher rates when conditions for desiccation are poor.

GUAR BEANS: Apply at a rate of 2 gallons per acre in 5 to 10 gallons of water by air or 10 to 20 gallons of water by ground equipment. Make application 7 to 10 days before anticipated harvest date.
DO NOT graze treated fields or feed treated fodder or forage to livestock.

RICE: To facilitate harvest and reduce moisture in the fully mature seed heads, and to desiccate immature red rice in mature white rice, apply by air 1 1/4 to 2 gallons per acre in 5 or more gallons of water. 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.

SAFFLOWERS: To facilitate harvest and reduce moisture in the fully mature seed heads, apply 2 gallons in 5 to 10 gallons of water by air or 20 to 30 gallons of water by ground equipment, 7 or more days before normal harvest when safflower heads are fully mature.

SOUTHERN PEAS: Apply at a rate of 2 gallons per acre in 5 to 10 gallons of water by air or 10 to 20 gallons by ground equipment. Thorough coverage is essential. Make application 7 to 10 days before anticipated harvest, longer if temperatures are cool.
DO NOT graze treated fields or feed treated fodder or forage to livestock.

SOYBEANS: As a soybean harvest aid to dry weeds in early maturing soybeans and to facilitate the harvest, apply 2 gallons per acre. Make application 7 to 10 days before anticipated harvest date when beans are mature and ready for harvest. For air application, use a minimum of 5 gallons of water per acre, for ground equipment apply a minimum of 20 gallons of water per acre.
DO NOT graze treated fields or feed treated soybean foliage.

SUNFLOWER: To facilitate harvest and reduce moisture in the fully mature seed heads, apply 2 gallons in sufficient water to give good 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.

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 over 2 pallets high. Move containers by hand or crane. Do not move containers from one area to another unless they are securely sealed. Keep containers 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 containers 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 as soon as possible and washed. 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: Plastic containers (Triple rinse for equivalent). Then offer for recycling or reconditioning, or purchase and dispose of in a sanitary and fill, 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, moisture in the use of this product are 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.