

19713-486

1/7/2002

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JAN 7 2002

Ms. Luz G. Piwonka  
 Registration Manager  
 DREXEL CHEMICAL COMPANY  
 P. O. Box 13327  
 Memphis, TN 38113-0327

SUBJECT: Drexel Simazine 90DF, EPA Reg. No. 19713-252; Drexel Simazine 4L, EPA Reg. No. 10713-60; Drexel Defol 6, EPA Reg. No. 19713-85; Drexel Defol, EPA Reg. No. 19713-12; Drexel Defol 8, EPA Reg. 19713-388; Drexel Defol 750, and EPA Reg. No. 19713-486  
 Your Applications Dated November 26, 2001 and December 12, 2001

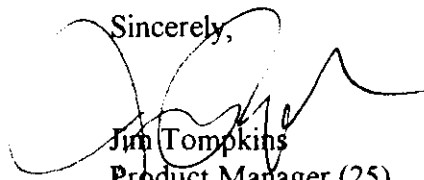
Dear Ms. Piwonka:

The amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended are acceptable provided you make the following changes listed below:

- Under the "PPE" and in the "Agricultural Use Requirements" box change "chemical-resistant gloves made of any waterproof material" to "chemical-resistant gloves such as polyethylene or polyvinyl chloride".

Submit one (1) copy of each your final printed labeling before you release the products for shipment. The amended labeling supersedes all previously accepted ones. A stamped copy of each the labeling is enclosed for your records.

Sincerely,



Jim Tompkins  
 Product Manager (25)  
 Herbicide Branch  
 Registration Division (7505C)

Enclosures

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	MINOR, E.							
DATE ▶	Jan 7, 2002							

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

JAN 7 2002

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

19713-481

Drexel

Defol<sup>®</sup> 750

Defoliant / Desiccant with Fire Retardant

ACTIVE INGREDIENT:

Sodium chlorate ..... 52.0%

OTHER INGREDIENTS: ..... 48.0%

TOTAL: ..... 100.0%

This product contains 7.5 pounds of Sodium chlorate per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

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.)

See FIRST AID Below

SHAKE WELL BEFORE USING

EPA Reg. No. 19713-486

EPA Est. No. 19713-MS-1

Net Contents: \_\_\_\_\_

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- 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 or convulsing person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

Call a poison control center or doctor for treatment advice. Have the product  
container or label with you when calling a poison control center or doctor, or  
going for treatment.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**WARNING:** Causes substantial but temporary eye injury. Do not  
get in eyes or on clothing. Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

**Applicators and other handlers must wear:** Coveralls over short-  
sleeved shirt and short pants, chemical-resistant gloves made of any  
waterproof material such as polyethylene or polyvinyl chloride, chemical-  
resistant footwear plus socks, protective eyewear, chemical-resistant  
headgear for overhead exposure, a chemical-resistant apron  
when cleaning equipment, mixing or loading and a dust/mist filter-  
ing 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. Do not re-  
use them.

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.

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PRECAUTIONARY STATEMENTS (Cont.)

When handlers use closed systems, enclosed cabs or aircraft in  
a manner that meets the requirements listed in the Worker Pro-  
tection Standard (WPS) for agricultural pesticides (40 CFR 170.240  
(d)(4-6)), the handler PPE requirements may be reduced or modi-  
fied as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing  
gum, using tobacco or using the toilet. 2) Remove clothing im-  
mediately if pesticide gets inside. Then wash thoroughly and put  
on clean clothing. 3) Remove PPE immediately after handling this  
product. Wash the outside of gloves before removing. As soon  
as possible, wash thoroughly and change into 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 when disposing of equipment washwaters.

**Note:** Add this statement to all container sizes of 5 gallons and  
higher. Do not discharge effluent containing this product into lakes,  
streams, ponds, estuaries, oceans or other waters unless in ac-  
cordance with the requirements of a National Pollutant Discharge  
Elimination System (NPDES) permit and the permitting authority  
has been notified in writing prior to discharge. Do not discharge  
effluent containing this product to sewer systems without previ-  
ously notifying the local sewage treatment plant authority. For guidance  
contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner incon-  
sistent with its labeling. Do not apply this product through any type  
of irrigation system. Do not apply this product in a way that will con-  
tact 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 re-  
sponsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the  
Worker Protection Standard (WPS), 40 CFR Part 170. This stand-  
ard contains requirements for the protection of agricultural work-  
ers on farms, forests, nurseries, greenhouses and handlers of  
agricultural pesticides. It contains requirements for training, de-  
contamination, notification and emergency assistance. It also  
contains specific instructions and exceptions pertaining to the statements  
on this label about personal protective equipment (PPE) and re-  
stricted entry interval (REI). The requirements in this box only  
apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the  
REI of 12 hours.

PPE required for early entry to treated areas that is permitted un-  
der the WPS and that involves contact with anything that has been  
treated, such as plants, soil or water is: Coveralls over short-sleeved  
shirt and short pants, chemical-resistant gloves made of any waterproof  
material, chemical-resistant footwear plus socks, protective eye-  
wear and chemical-resistant headgear for overhead exposure.

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

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**APPLICATION**

DEFOL 750 may be applied by aircraft or ground equipment. It is essential that the foliage be thoroughly covered. The specified dilution rates should be carefully observed. A non-ionic surfactant such as Surf-Ac® 820 or an emulsifiable crop oil such as Peptoil® may enhance the results. This product 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 defoliated. Equipment should be washed before and after use and care should be taken so that product does not dry in tank or on spray nozzles. Washwater should not be allowed to contact desirable vegetation. When using this product under dry land conditions, injury may occur to rotational crops.

**DEFOLIATION**

Ideally, 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 pull 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, wilted 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 desiccated 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 crop moisture 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 Morningglory where the slender 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**

Crop	Rate per Acre	Water
Chili peppers	1½ to 4 qts.	Air: 5 to 15 gals. Ground: 20 to 40 gals.
SPECIFIC DIRECTIONS: Apply 10 days before harvest. To be used on Peppers for processing only. Consult a processor before applying.		
Com	3½ qts.	Air: 5 to 7 gals.
SPECIFIC DIRECTIONS: Use as a harvest aid to desiccate trashy weeds in early maturing Com. Apply by air at least 14 days before anticipated harvest date. Use the low (5 gal.) dilution rates when weeds are small and the crop canopy is fairly open. Desiccation of Morningglory and other vines may be erratic. DO NOT graze treated fields or feed fodder, forage or residual grain within 14 days of application.		
Cotton	1½ to 2½ qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
SPECIFIC DIRECTIONS: Apply no later than 7 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 gin waste to livestock.		
Cucurbits (Grown for Seed)	3½ qts.	Air: 5 to 10 gals. Ground: 20 to 30 gals.
SPECIFIC DIRECTIONS: Use to facilitate harvest by drying out the vines. DO NOT graze treated fields within 14 days of application.		
Dry beans	3½ qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
SPECIFIC DIRECTIONS: 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.		

Crop	Rate per Acre	Water
Flax	3½ qts.	Air: 5 gals. (minimum) Ground: 10 gals. (minimum)
SPECIFIC DIRECTIONS: Use as a harvest aid to desiccate trashy weeds and to reduce moisture in the mature crop. Apply 7 to 10 days before anticipated harvest date. Activity of the spray will be enhanced by the addition of a good, non-ionic surfactant at the rate of 1 qt. per 100 gals. of spray. DO NOT graze treated fields or feed treated foliage and fodder for 14 days after application.		
Grain sorghum	2¾ to 3½ qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
SPECIFIC DIRECTIONS: To reduce the moisture content of the grain while the crop is standing, apply 7 to 10 days before harvest. Use the lower rates when grain moisture is low and the weather is clear and dry. Use the higher rate when conditions for desiccation are poor.		
Guar Beans	3½ qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
SPECIFIC DIRECTIONS: Use to facilitate harvest and reduce moisture in the fully mature seed heads. Make application 7 to 10 days before anticipated harvest date. DO NOT graze treated fields or feed treated fodder or forage to livestock.		
Potatoes	3½ qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
SPECIFIC DIRECTIONS: To defoliate plants and facilitate harvest, apply 10 days before harvest. DO NOT apply under conditions of extreme heat during the middle of the day.		
Rice	2¾ to 3½ qts.	Air: 5 or more gals.
SPECIFIC DIRECTIONS: Use to facilitate harvest and reduce moisture in the fully mature seed heads and to desiccate immature Red rice in mature White rice. 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	3½ qts.	Air: 5 to 10 gals. Ground: 20 to 30 gals.
SPECIFIC DIRECTIONS: Use to facilitate harvest and reduce moisture in the fully mature seed heads. Make application 7 or more days before normal harvest when Safflower heads are fully mature. DO NOT graze treated fields or feed treated forage.		
Southern peas	3½ qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
SPECIFIC DIRECTIONS: 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	3½ qts.	Air: 5 gals. (minimum) Ground: 20 gals. (minimum)
SPECIFIC DIRECTIONS: Use as a harvest aid to dry weeds in early maturing Soybeans and to facilitate the harvest. Make application 7 to 10 days before anticipated harvest date when Beans are mature and ready for harvest. DO NOT graze treated fields or feed treated foliage.		
Sunflowers	3½ qts.	Air: 5 to 10 gals. Ground: 20 to 30 gals.*
SPECIFIC DIRECTIONS: Use to facilitate harvest and reduce moisture in the fully mature seed heads. Make application 7 or more days before normal harvest when Sunflower heads are fully mature. Do not apply later than 7 days before harvest. DO NOT graze treated fields or feed treated forage within 14 days of application.		

\*Apply with a high clearance sprayer.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** 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 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 sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.

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## STORAGE AND DISPOSAL (Cont.)

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 runoff 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:** 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 the Manufacturer 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 the Seller and is accepted as such by the Buyer.