

REGISTRATION CODE XXXX-000

PACKAGE SIZE  
8 - 6 POUND BOXES / CARTON

# KROVAR® II DF

## HERBICIDE

DISPERSIBLE GRANULE

**ACTIVE INGREDIENTS**

Bromacil [5-bromo-3-sec-butyl-6-methyluracil]	53%
Duron [3-(3,4-dichlorophenyl)-1,1-dimethylurea]	27%

BY WEIGHT

80%

**INERT INGREDIENTS**

20%

TOTAL

100%

EPA Reg. No. 352-440

U.S. Pat. 3,914,122 & 3,914,230

KEEP OUT OF REACH OF CHILDREN

### CAUTION

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION!** HARMFUL IF SWALLOWED. CAUSES MODERATE EYE INJURY.

Avoid breathing dust or spray mist. Avoid contact with skin, eyes or clothing. In case of contact with eyes, immediately flush with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

ACCEPTED

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 352-440

**STATEMENT OF PRACTICAL TREATMENT**

If in eyes: Flush with plenty of water. Call a physician if irritation persists.

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

For medical emergencies involving this product, call toll free 1-800-441-3637.

**ENVIRONMENTAL HAZARDS**

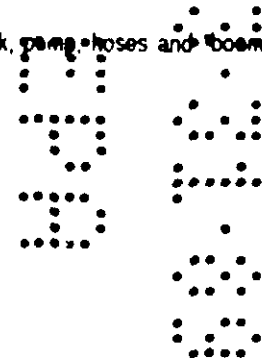
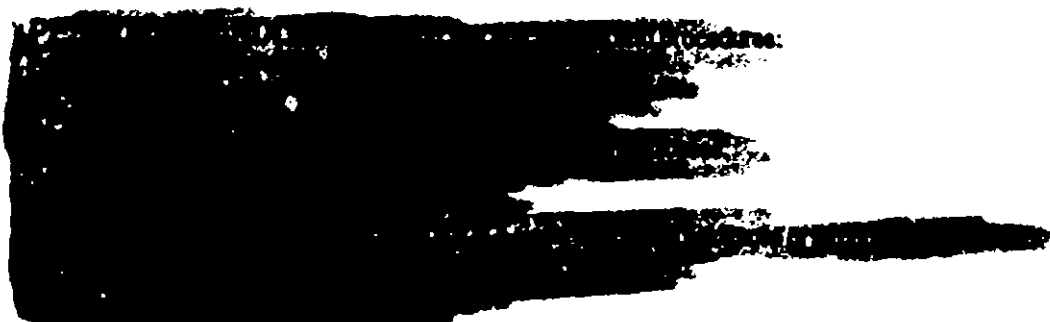
Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Bromacil is a chemical which can travel (seep or leach) through soil and can enter ground water. It is highly toxic to aquatic life and can be harmful to ground water as a result of agricultural use. The correct use rates by crop, soil type, and weather conditions are essential to prevent leaching. The correct use rates by crop, soil type, and weather conditions must be followed to prevent leaching of bromacil movement into ground water.

**IMPORTANT** - Injury to or loss of desirable trees or other plants may result from failure to observe the following:

Do not apply (except as recommended for crop use), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts or similar areas. Do not use in home fruit plantings nor in citrus orchards interplanted to other trees or desirable plants. Prevent drift of dry powder or spray to desirable plants. Do not contaminate any body of water. Keep from contact with fertilizers, insecticides, fungicides and seeds.

Thoroughly clean all traces of "Krovar" II DF from application equipment immediately after use. Flush tank, pump hoses and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).



## GENERAL INFORMATION

Du Pont "Krovar" II DF Herbicide is a dry flowable granule to be mixed in water and applied as a spray for selective control of weeds in citrus and for non-crop weed control.

**"Krovar" II DF controls certain perennial grasses and annual weeds.**

Moisture is necessary to activate the herbicide; best results are obtained if treatment is made to moist soil, and moisture is supplied by rainfall or sprinkler irrigation within two weeks after application. The degree of control and duration of effect will vary with the amount applied, soil texture, rainfall and other conditions.

## DIRECTIONS FOR USE

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

Du Pont "Krovar" II DF should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risk associated with such non-recommended use.

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

Farm workers performing hand labor operations should 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 farm workers performing hand labor operations who are expected to be in a treated cropland area or in a cropland area about to be treated with this product. 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. Warnings must include the following information: "CAUTION. Area treated with "Krovar" II DF on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of contact, flush eyes with plenty of water; wash skin with plenty of soap and water. Get medical attention if irritation persists."

Do not apply this product in such a manner as to directly or through drift expose workers, other persons, or animals. The area being treated must be vacated by unprotected persons

## CITRUS

Krovar" II DF Controls:

### Annual Weeds

- |                      |                     |
|----------------------|---------------------|
| barnyard grass       | nightshade (annual) |
| crabgrass            | pigweed             |
| Florida pusley       | purslane            |
| foxtail              | ragweed             |
| goosegrass           | sandbur (sandspur)  |
| lambequarter         | sowthistle          |
| natalgrass (red top) | spanishneedles      |

### Perennial Weeds (At maximum rates and repeat treatments)

- |                              |                               |
|------------------------------|-------------------------------|
| balsamapple vine (seedlings) | milkweed vine (seedlings)     |
| bermudagrass                 | guineagrass (partial control) |

Apply any time of year provided overhead moisture (rainfall or sprinkler irrigation) is available to activate the herbicide, preferably just before or just after weeds have germinated.

Apply with a properly calibrated fixed-boom power sprayer as a band or broadcast treatment beneath and/or between trees. Use sufficient water (min. 40 gals. per acre) to obtain uniform coverage; avoid contact of foliage and fruit with spray or mist. Avoid overlapping, and shut off spray boom while starting, turning, slowing or stopping, or injury to trees may result. Continuous agitation in the spray tank is required to keep the material in suspension.

Best results are obtained if "Krovar" II DF is applied to bare ground. If vegetation is present at application, tank mixes with foliar active herbicides is recommended to control existing weeds (see tank-mixes below).

If dense populations of hard-to-kill species are present, control of these weeds prior to application to "Krovar" II DF is recommended.

Dosages are expressed as broadcast rates; for band treatment, use proportionately less.

Do not graze cattle in treated areas.

Temporary yellowing or vein clearing of citrus leaves may occur following treatment. Because injury to citrus trees may result; do not use on soils with less than 1% organic matter, poorly drained soils, gravelly soils, nor thinly covered or exposed subsoils; do not treat plants in irrigation furrows; do not treat diseased or stressed trees.

Do not use in citrus groves interplanted with other trees or desirable plants, or in home citrus plantings or in areas where roots of valuable plants or trees may extend as plant injury may result.

Do not replant treated areas to any crop within two years after last application as injury to subsequent crops may result, except that citrus trees may be planted one year after the last application.

## Tank Mixtures

"Krovar" II DF is recommended for use on citrus for weed control in tank mixtures with paraquat. For rates of the individual products, refer to the respective product label. Do not apply tank mixture to foliage or green wood as injury may result.

Arizona, California, Louisiana, Texas (Do not use in Kern County, CA)

### Trees Established Four Years or More

Perennial Weeds: For bermudagrass, nutsedge make a single application per year during the period from winter to early summer at the following rates:

Soil Texture	Lbs. Per Acre	
Sand, loamy sand	4 to 6	•••••
Sandy loam	5 to 7	•••••
Silt loam, clay loam	6 to 8	•••••

Alternatively, make two applications of 3 to 4 lbs. per acre per year apply in spring and summer.

Partial control of perennials usually occurs with a single treatment. Repeat applications are required to control perennials. Control may be improved by cultivation prior to treatment; otherwise, avoid working the soil as long as weed control continues or else effectiveness of the treatment may be reduced.

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**Annual Weeds:** Apply 2 to 5 lbs. per acre using the lower rates on coarse soils; apply any time of year provided overhead moisture (rainfall or sprinkler irrigation) is available to activate the herbicide, preferably just before or just after weeds germinate.

**Texas**

**Trees Established One to Four Years**

Apply 3 to 6 lbs "Krovar" II DF per acre; for details on timing, equipment, spray volume and other use directions, refer to product label. Use the lower rate for 1 to 2 year old trees and the higher rate for trees more than 2 years old. A second application may be made if needed, but do not apply more than 8 lbs "Krovar" II DF per acre per year as injury to the trees may result.

**Florida**

**Trees Established Less Than One Year**

Apply 2 to 4 lbs "Krovar" II DF per acre as needed to maintain weed control. Do not apply at less than 60-day intervals, do not apply more than 6 lbs per acre during any 6-month period or more than 8 lbs per acre during the first year.

**Trees Established One to Three Years**

Apply 2 to 4 lbs "Krovar" II DF per acre as needed to maintain weed control. Do not exceed 8 lbs per acre per year.

**Trees Established Three or More Years**

**East Coast/Flatwoods Areas - (low permeable soils)**

- Apply 3 to 6 lbs "Krovar" II DF per acre, but do not apply more than 12 lbs per acre per year; 12 lbs "Krovar" II DF contains 6.4 lbs active bromacil
- The maximum allowable is 6.4 lbs active (bromacil) per acre per year. The allowable amount is inclusive of all bromacil formulations used within one year.
- Multiple applications may improve control of "hard-to-kill" species.

**Ridge Areas - (highly permeable soils)**

- Apply 2 to 4 lbs "Krovar" II DF per acre, but do not apply more than 8 lbs per acre per year; 8 lbs "Krovar" II DF contains 4.2 lbs active (bromacil).
- The maximum allowable is 4.2 lbs active (bromacil) per acre per year. The allowable amount is inclusive of all bromacil formulations used within one year.
- Multiple applications may improve control of "hard-to-kill" species.

**Tank Mixtures**

Tank mixtures of "Krovar" II DF and paraquat are recommended for control of emerged weeds in citrus. For rates of individual products, refer to the respective product label. Do not apply tank mixture to foliage or green wood as injury may result.

**Seedling Vines (balsam apple and milkweed)--Florida:** Remove established vines from trees prior to treatment. Apply 6 lbs. per acre after vine growth begins in the spring (or after cultivation or chopping), but before vines reach tree limbs. For band treatment, the treated area should extend at least 1 foot beyond the dripline of the tree. Add Du Pont Surfactant WK at a rate of 1 qt. per 50 gals. of spray mixture.

A repeat application may be made in late summer or early fall to control seedlings which germinate late in the season.

When used in conjunction with good mechanical cultivation practices, repeated annual applications aid in the suppression of established vines.

**SPRAY PREPARATION**

**Mixing In Water**

Fill tank 1/2 full with water. Start agitation system, add "Krovar" II DF and continue adding water. Add separately each additional component of any tank-mix while adding water.

**Mixing In liquid fertilizer**

A fertilizer solution may be used in the spray mixture. Small quantities should be tested for compatibility by the following procedures before full scale mixing.

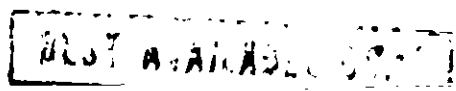
1. Put 1 pint fertilizer solution in a quart jar.
2. Mix 2 teaspoons "Krovar" II DF with 2 tablespoons of water, mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. If other herbicides are used in the mixture, premix 2 teaspoons of dry materials to 1 teaspoon of liquids with 2 tablespoons of water, add to "Krovar" II DF/fertilizer solution mixture.
5. Close jar and shake well.
6. Watch mixture for several seconds; check again in 30 minutes.
7. If mixture does not separate, foam, gel or become lumpy, it may be used.

Provided the above procedure shows the mixture to be compatible, prepare the tank mixture as follows: Add the fertilizer solution to the spray tank first; mix the required amount of "Krovar" II DF with water to form a slurry, with the agitator running, slowly add the slurry and mix thoroughly. For other herbicides, follow directions above. When tank mixing with other herbicides, all applicable directions, restrictions and precautions for the additional herbicides are also to be followed.

Thoroughly reagituate before using if allowed to settle.

**NON-CROP WEED CONTROL**

For short-term control of annual weeds on non-cropland areas such as roadsides, storage areas, and plant sites, apply 2 to 5 lbs per acre in 40 to 100 gals. water. For extended control of annuals and partial control of perennials such as bermudagrass and nutsedge, apply 6 to 14 lbs per acre. For control of hard-to-kill perennials such as bermudagrass, bouncingbet, dogbane, johnsongrass, nutsedge, and sorghums, apply 15 to 20 lbs per acre.



Use the higher levels of dosage rates on adsorptive soils (high in organic matter or carbon). Best results occur when application is made just before weed emergence or in early stages of weed growth.

**Retreatment:** Apply 2 to 5 lbs per acre when annual weeds and grasses reappear on sites where weed growth has been controlled.

**Small Areas:** 1/4 cupful of "Krovar" II DF per 200 sq ft is approximately 15 lbs. per acre.

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food or feed.

**PRODUCT DISPOSAL:** Do not contaminate water, food, or feed by storage or 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 box into application equipment. Then dispose of empty box in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**NOTICE TO BUYER:** Purchase of this material does not confer any rights under patents of countries outside of the United States.

**NOTICE OF WARRANTY**

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. 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 Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. **DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS**

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