

CONROY

HERB



NOT REVIEWED



# Canopy<sup>®</sup> HERBICIDE

DISPERSIBLE GRANULES

**ACTIVE INGREDIENTS:**

Metribuzin: [4-Amino-6-1(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one] 75%

Chlorimuron Ethyl: 2-[[[(4-chloro-6-methoxypyrimidin-2-ylamino)carbonyl]amino]sulfonyl]benzoate 64.3%

**INERT INGREDIENTS** 25%

Net Wt. 4.346, 2.20, 4.394, 5.06, 4.547, 2.15 & 4.645, 5.30

EPA Reg. No. 65-444

## KEEP OUT OF REACH OF CHILDREN 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 and 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.

### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush eyes 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 water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

### IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following. Do not apply 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. Prevent drift of spray to desirable plants. Do not contaminate any body of water. Keep from contact with fertilizers, insecticides, fungicides and seeds during storage.

PRIOR TO USING "CANOPY" HERBICIDE, CONSIDERATION SHOULD BE GIVEN TO CROP ROTATION PLANS. Crops other than soybeans may be extremely sensitive to low concentrations of "Canopy" remaining in the soil the next planting season. Choice of rotation crop is restricted following application of "Canopy" (See "ROTATIONAL CROP GUIDELINES") "Canopy" should not be applied on soils above pH 7.0 except in those states listed in Group III of the "ROTATIONAL CROP GUIDELINES" where application can be made to soils with a pH as high as 7.5.

Thoroughly clean all traces of "Canopy" from application equipment immediately after use and prior to spraying crops other than soybeans. Failure to remove even small amounts of "Canopy" from application equipment may result in injury to subsequently sprayed crops.

Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate groundwater which may be used as drinking water. Metribuzin has been found in groundwater as a result of agricultural use. Users are advised not to apply metribuzin where the water table (groundwater) is close to the surface and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

### NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, 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 are assumed by the buyer. **DUPONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

## GENERAL INFORMATION

DuPont "Canopy" Herbicide is a dispersible granule formulation to be mixed with water and sprayed for selective pre-emergence and preplant incorporated weed control in soybeans. When applied according to the instructions on this label, it will control many broadleaf weeds and provide partial control of nutsedge.

Preemergence and preplant incorporated applications of "Canopy" require rainfall or sprinkler irrigation to activate the herbicide. Degree of control and duration of effect depend on rate used, weed spectrum, growing conditions at and following time of treatment, soil pH, texture, organic matter, moisture and precipitation.

Because most crops are highly sensitive to "Canopy", all direct or indirect contact (such as spray drift) to crops or to land scheduled to be planted to crops other than soybeans should be avoided.

## BIOLOGICAL ACTIVITY

"Canopy" rapidly inhibits the growth of susceptible weeds. Following application of preplant incorporation or preemergence treatment, susceptible weeds may germinate and emerge, but growth then ceases and leaves become yellow 3-5 days after emergence. Death of leaf tissue and growing point will follow in some species while others will remain green but stunted and non-competitive. "Canopy" provides partial control of some annual grasses when used preplant or preemergence but other products may be needed to ensure adequate grass control.

## DIRECTIONS FOR USE

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

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

## EQUIPMENT—SPRAY VOLUMES

Apply uniformly by ground equipment with a properly calibrated low pressure (20 to 40 psi) fixed-boom sprayer equipped with fan-type nozzles and screens no finer than 50 mesh. Use 10 to 40 gals of water per acre.

Continuous agitation in the spray tank is required to keep the material in suspension. Avoid overlap and shut off spray booms while starting, turning, slowing or stopping, as injury to the crop may result.

## EARLY PREPLANT OR PREPLANT INCORPORATED (See Rate Chart)

"Canopy" can be applied at planting or up to 30 days prior to planting either preemergence or preplant incorporated. If incorporated, uniformly incorporate the treatment no deeper than the top 1-2" of soil prior to planting soybeans. Use equipment suited to proper incorporation into the top 1-2 inches of soil, eg. Do-all, field cultivator, rototill. "Canopy" can be tank mixed with "Command" and applied preplant incorporated. Refer to the "Command" label for specific use instructions. If tank-mixed with a grass herbicide such as a DNA like "Treflan", "Sonalan", or acetanilide such as "Dual" or "Lasso", follow label instructions for proper incorporation of the grass herbicide into the top 1 to 2" of soil. Improper soil incorporation can result in erratic weed control or crop injury. Rainfall (1") is required to activate preplant incorporated herbicides such as "Canopy" before weed emergence.

Canopy + Treflan, Prowl, Dual or Sonalan - Apply within 2 weeks of planting.

Canopy + Treflan - (Early PPI) - Apply within 30 days of planting.

Canopy + Lasso - Apply within 7 days of planting.

Canopy + Command - Apply within 30 days of planting.

## PREEMERGENCE (See Rate Chart)

Preemergence application: Apply before soybeans emerge. Do not spray overtop of emerged soybeans, as severe injury or death of crop will occur.

Preemergence activity of "Canopy" requires rainfall\* to activate. Best results are obtained if treatment is made to moist soil and followed by rainfall or irrigation (1") before weeds germinate. On dry soil, more moisture is required for activation (1 to 2") before weed emergence. If moisture is insufficient to activate the herbicide, a rotary hoeing or shallow cultivation should be made after emergence of crop while weeds are small enough to be controlled by mechanical means. "Canopy" can be applied preemergence in combination with "Lasso," "Dual," "Prowl," "Surflan" or following the use of a preplant grass material such as "Treflan" or "Sonalan". Consult labels for rates and use instructions.

\*Rainfall required to activate ppi or pre treatments depends on soil moisture when activating moisture is received. Several small rainfalls of less than 1/4" are not as beneficial as one large rain of 1/2 inch or more for activation.

## MINIMUM TILLAGE OR NO TILL (See Rate Chart)

"Canopy" applied preemergence to soybeans but postemergence to broadleaf weeds and small annual grasses will provide some burndown of existing weeds as well as normal preemergence broadleaf weed control. When used for burndown, add 0.25% v/v (1 qt/100 gal) surfactant such as Surfactant WK or crop oil concentrate at 0.25% v/v (1 qt/100 gal). For added postemergence control, especially on grasses, "Canopy" can be applied with "Roundup", paraquat, or "Bronco". For added preemergence grass control, "Canopy" can be mixed with "Dual", "Surflan" or "Lasso". For added postemergence broadleaf weed control, "Canopy" may be tank mixed with 2,4-D low volatile ester. Do not apply 2,4-D low volatile ester within 30 days of planting. Consult labels for rates and use instructions. Maintain constant agitation of spray mixture.

## RATE CHART

Apply as follows:

Soil Texture		Broadcast Rate (Ounces Per Acre)		10-12	12-14
		Organic Matter			
		1/2-3%	3-5%		
Coarse	Loamy sand	6-8	8-10	10-12	12-14
	Sandy loam				
Medium <sup>4</sup>	Loam	8-10	10-12	10-12	12-14
	Silt loam*				
	Silt				
	Sandy clay loam				
Fine	Silty clay loam	10-12	12-14	10-12	12-14
	Clay loam				
	Clay				

<sup>4</sup>Medium soils in southeast KS, southwest MO and northeast OK with 1-3% O.M., use 5.6 oz/A.

\*Silt loam soils in T...

Do not apply to soil with less than 1% O M

Use higher rates on soils with higher organic matter or heavy pressure from large, deep-germinating weed seeds

For band applications, use proportionately less than those listed above

Plant seed 1 1/2" to 2" deep on a flat or raised seedbed only or crop injury may occur

Soybean stunting may occur if excessive rainfall occurs after application but before soybeans germinate. Injury is more prevalent under poor drainage or compacted conditions or when soil is saturated for long periods of time. Soybeans rapidly outgrow stunting once favorable growing conditions return.

Do not apply "Canopy" to soils with pH greater than 7.0 except in those states as directed in the "ROTATIONAL CROP GUIDELINES" section. Soybean varieties such as Altona, Coker 102 and 156, Govan, Semmes, Tracy, Vansoy, Terra Vig 505 and 606, AP 71, NKS 1884, Agupro 55, Asgrow 6520, Maple Amber, Portage and Vinton 81 are sensitive to "Canopy". Injury may occur if "Canopy" is used on these varieties. Before use on any soybean variety, tolerance to "Canopy" must first be determined. Injury to soybeans may occur if "Canopy" is used on soils having a calcareous surface layer or pH greater than 7.5, or if used in conjunction with soil-applied organic phosphate pesticides such as "Dasanit", "Disyston", "Mocap", "Nemacur", "Thimet", parathion, or "Lorsban".

NOTE: Injury may occur if atrazine was applied on the soil the year before use of "Canopy". Seedling disease, cold weather, deep planting (more than 2"), excessive moisture, high salt concentration, or drought may weaken soybean seedlings and increase possibility of crop injury.

Do not apply to Black Belt Soils of Alabama and Mississippi with a soil pH greater than 7.0 or history of nutrient deficiency such as iron chlorosis, as injury may occur.

## WEEDS CONTROLLED

The following weeds will be controlled at the above rates both preplant incorporated and preemergence

*Cocklebur	*Morningglory, annual	Pigweed	Purslane, common
Florida beggarweed	Ivyleaf	Palmer	Ragweed, common
Hemp sesbania	Entireleaf	Redroot	*Ragweed, giant
Hophornbeam copperleaf	Pitted	Smooth	*Sicklepod
Jimsonweed	Smallflower	Spiny amaranth*	Smartweed (annual)
Lambsquarters	Tall	Tall waterhemp	Spotted spurge
Mustard, wild		Poinsettia (wild)	Sunflower
		Prickly sida (teaweed)	Velvetleaf

## PARTIAL CONTROL

Barnyardgrass	Johnsongrass, seedling
Yellow nutsedge	Mexicanweed
Purple nutsedge	Burcucumber
Crabgrass	Panicum, Texas and fall
Foxtail, species	Signalgrass, broadleaf

\*Large-seeded weeds, germinating deep in the soil such as morningglory, sicklepod, cocklebur and giant ragweed or other weeds which may emerge at various times during the growing season may require a cultivation or an application of Du Pont "Classic" Herbicide for season-long control.

NOTE: Consult "Lasso", "Dual", "Prowl", "Surflan", "Treflan", "Sonalan", or "Command" labels for additional weeds controlled when "Canopy" is used in conjunction with these herbicides.

## SPRAY TANK PREPARATION

Fill tank 1/4 full with water. Start agitation system, add "Canopy" and continue adding water. Add separately each additional component of any tank mix while adding water. Continue agitation throughout. If poor mixing should occur with any component, premix the component with two parts water before adding to the spray tank.

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 of fertilizer solution in a quart jar.
2. Mix 2 teaspoons "Canopy" with 2 tablespoons of water, mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. If other herbicides are to be used in the mixture, premix 2 teaspoons of wettable powder or 1 teaspoon of liquid with 2 tablespoons of water, add to "Canopy" 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.
8. Mixing ability may be improved by adding compatibility agents such as Kalo Laboratories "Complex" or Witco Chemicals "Sponto" 168D. Follow directions on container.

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, with the agitator running, add the required amount of "Canopy" and thoroughly mix. For tank mixtures with other herbicides follow directions above. For tank mixtures with other herbicides, all applicable directions, restrictions and precautions for the additional herbicides are also to be followed.

Use "Canopy" spray preparations the same day as mixed or product degradation may occur. Thoroughly reagitrate and remix before using, if allowed to settle. When tank mixing with other herbicides, all applicable directions, restrictions and precautions for the additional herbicides are also to be followed.

## ROTATIONAL CROP GUIDELINES

The minimum length of time in months before "Canopy" treated soil can be planted with major crops is given below. Choice of rotational crop is determined by geographical location (state), rate, soil pH and time interval elapsed since last application (either band or broadcast). Guidelines are divided into three groups based on these criteria.

### Group I

- States of AL, AR, FL, GA, LA, MS or TX with soil pH 7.0 or less
- In southeast KS, southwest MO and northeast OK with pH 7.0 or less and use rates of 5.0-6.0 ounces per acre

### Group II

- States of DE, KY, MD, MO Bootheel, NJ, NC, PA, SC, TN, VA or WV with soil pH 6.8 or less  
AND
- Use rate 8-10 oz/A

### Group III

- All other states not listed in Groups I or II with soil pH 7.0 or less, or
- States of AL, AR, FL, GA, LA, MS or TX with soil pH 7.1-7.5, or
- States of DE, KY, MD, MO Bootheel, NJ, NC, PA, SC, TN, VA or WV
  - with soil pH 6.9-7.5, or
  - Fields not meeting rate requirements in Group II

Minimum length of time in months before planting recrop

Crops	Group I	Group II	Group III
Soybeans	Anytime	Anytime	Anytime
Barley	4	4	4
Ryegrass	4	4	4
Wheat	4	4	4
Alfalfa	10	10	18
Clover	12	12	18
Field Corn	9	10	18
Cotton	10	10	18
Peanuts	12	12	18
Rice	10	10	18
Sorghum	10	10	18
Tobacco	10	10	18
Tomato (Transplant)	10	10	18

All other crops require a minimum 18 month rotational interval and a successful field bioassay \*\*

The suggested interval before initiating a field bioassay is 10 months for Group I and 15 months for Groups II and III.

Do not apply in areas where the average annual precipitation is less than 25 inches.

Extended dry or drought conditions following application of "Canopy" may affect rotational intervals. If such conditions are encountered, consideration should be given to recropping only to soybeans or extending the recommended rotational interval for other crops.

\*\*The season before planting any crop not listed above, a successful field bioassay must be completed. The field bioassay will detect small quantities of "Canopy" which can remain in the soil and injure rotational crops. A successful field bioassay means growing to maturity a test strip of the crop(s) intended for production the following year. The test strip should cross the whole field including knolls and low areas.

Combination Treatment: When recommended tank mix combinations are used, consult the product labels for reinitiating and rotational crop instructions and observe the directions that are the most restrictive.

## SPRAYER CLEANUP

To avoid subsequent injury to crops other than soybeans, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of "Canopy" from mixing and spray equipment. For more information, consult supplemental bulletin on sprayer cleanup following use of Du Pont "Classic", "Canopy" or "Gemini" Herbicides.

## PRECAUTIONS

**Do not apply "Canopy" Herbicide to soils with a pH greater than 7.0** except in those states in Groups III of the "ROTATIONAL CROP GUIDELINES" where applications can be made to soils with a pH as high as 7.5.

**CAUTION:** Soil pH varies greatly even within the same field, pH variations as much as 2 pH units are common. Determine soil pH by laboratory analysis using a 1:1 soil:water suspension.

Do not graze treated fields or harvest for forage or hay.

Use of "Canopy" may affect rotational crops. Follow "ROTATIONAL CROP GUIDELINES".

Do not apply in areas where average annual precipitation is less than 25 inches.

Do not use on sand, muck, or peat soils, nor on soils with less than 1% organic matter, as crop injury may occur.

Do not apply "Canopy" after the soybean crop has emerged.

Do not apply to Black Belt Soils of Alabama and Mississippi with soil pH greater than 7.0 or on soils with a history of nutrient deficiency such as iron chlorosis or injury may occur.

If "Scepter", "Pursuit" or any product containing the active ingredients, imazaquin or imazetapyr (such as "Squadron", "Partner") is applied the same year as "Canopy", do not plant crops other than soybeans for at least 15 months from the last application. Crops listed in the "Canopy" Rotational Crop Guidelines may be planted after 15 months, all other crops require a successful field bioassay.

Do not apply in land that has been or will be treated with "Ally", "Glean" or "Finesse" herbicide in the state of Nebraska.

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

## STORAGE AND DISPOSAL

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

**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:** Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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