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SPECIMEN LABEL

E-85130



# Preview™

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## HERBICIDE



TRADE MARK

### DISPERSIBLE GRANULES

DEC 1 8 1968  
EPA Reg. No. 352-448

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# Preview™ HERBICIDE

DISPERSIBLE GRANULES

<b>ACTIVE INGREDIENT:</b> .....	<b>75%</b>
Metribuzin [4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one] .....	68.5%
Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate .....	6.5%
<b>INERT INGREDIENTS</b> .....	<b>25%</b>

U.S. Patent 3,905,801; 4,346,220, 4,547,215 & 4,394,506 EPA Reg. No. 352-XXX

## KEEP OUT OF REACH OF CHILDREN PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

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

Avoid breathing dust or spray mist. Avoid contact with eyes. 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.

#### 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes 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. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

E. I. du Pont de Nemours & Co. (Inc.), Agricultural Products Dept., Wilmington, DE 19898

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### 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.

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

Prior to using "Preview", consideration should be given to crop rotation plans. Crops other than soybeans can be extremely sensitive to low concentrations of "Preview" remaining in the soil the next planting season. Choice of rotation crop is restricted following application of "Preview". (See "MINIMUM RECROPPING INTERVAL AND ROTATION GUIDELINES".)

Do not apply if soil pH is greater than 6.8.

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.

### GENERAL INFORMATION

Du Pont "Preview" Herbicide is a dispersible granule formulation to be mixed with water and sprayed for selective preemergence 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.

Preplant incorporated and preemergence applications of "Preview" 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 "Preview", 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

"Preview" rapidly inhibits the growth of susceptible weeds. Following activation 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 noncompetitive. "Preview" 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.

### 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.

### PREPLANT INCORPORATED USE ON SOYBEANS (See Rate Chart)

"Preview" should be uniformly incorporated into the top 1-2" of soil prior to planting soybeans. If tank-mixed with a grass herbicide, such as a DNA like "Treflan" or "Sonalan", or acetanilide such as "Dual" or "Lasso", follow label instructions for incorporation of the grass herbicide into the top 1 to 2 inches of soil. Improper soil incorporation can result in erratic weed control or crop injury.

Some moisture (~ 1/2"-1") is required to activate preplant incorporated herbicides such as "Preview", "Preview" + "Treflan", "Sonalan" or "Dual" — Apply within 2 weeks of planting. "Preview" + "Lasso" — Apply within 7 days of planting.

### PREEMERGENCE USE ON SOYBEANS (See Rate Chart)

Preemergence application: Apply after planting but before soybeans emerge. Do not spray over top of emerged soybeans or severe crop injury or crop death will occur.

Preemergence activity of "Preview" requires rainfall or irrigation to activate. Best results are obtained if treatment is made to moist soil and followed by rainfall or irrigation (1/2" to 1") before weeds germinate. On dry soil, chemical activation requires more moisture (1-2"). 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. "Preview" can be applied preemergence in combination with "Lasso", "Dual", "Prowl", "Surflan" or following the use of a preplant grass material such as "Treflan", "Prowl" or "Sonalan".

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

"Preview" applied preemergence to soybeans but postemergence to broadleaf weeds and small annual grasses will provide limited burndown of existing weeds, as well as normal preemergence broadleaf weed control. When used for burndown add 0.25% surfactant such as Surfactant WK or a quart of crop oil concentrate. For added postemergence control, especially on grasses, "Preview" can be applied with "Roundup", paraquat or "Bronco". For added preemergence control, especially on grasses, "Preview" can be mixed with "Dual" or "Lasso", or "Surflan". Consult labels for rates and use instructions. Maintain constant agitation of spray mixture.

### RATE CHART

Apply within 2 weeks of planting as follows:

Soil Texture	Rate (Ounces Per Acre)	
	Organic Matter*	
	1/2-3%	3-5%
Coarse: Loamy sand, Sandy loam	6	7
Medium: Loam, Silty loam, Silt	7	8
Fine: Silty clay loam, Clay loam, Clay	8	9-10

\*Do not apply to soil with less than 1/2% O.M.

Do not apply "Preview" to soils with pH greater than 6.8.

Dosage rates listed are broadcast rates: For band applications use proportionally less.

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 optimum growing conditions return.

Soybean varieties such as Altona, Coker 102 and 156, Govan, Semmes, Tracy, Vansoy, Terra Vig 505 and 606, AP 71 and NKS 1884 Agopro 55, Asgrow 6520, Maple Amber, Portage and Vinton 81 are more sensitive to "Preview". Injury may occur if "Preview" is used on these varieties. Before use on any soybean variety, tolerance to "Preview" must first be determined. Injury to soybeans may occur if "Preview" is used on soils having a calcareous surface layer, or if used in conjunction with soil-applied organic phosphate pesticides such as "Dasanit", "Disyston", "Mocap", Namacur, Thimet, parathion or "Lorsban".

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

### WEEDS CONTROLLED

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

Carpetweed	Pigweed species	Purslane
Cocklebur*	Palmer amaranth	Ragweed, common
Hophornbeam copperleaf	Redroot	Smartweeds, annual
Jimsonweed	Smooth	Spotted spurge
Lambsquarters	Spiny amaranth	Sunflower*
Mustards	Tall waterhemp	Velvetleaf
	Prickly sida (teaweed)	

#### PARTIAL CONTROL

Crabgrass species	Morningglory, annual*	Nutsedge species
Burcucumber	Tall	Panicum species
Eastern black nightshade	Ivyleaf	Ragweed, giant*
Foxtail species	Pitted	
Johnsongrass seedling	Entireleaf	

Large seeded weeds, germinating deep in the soil, such as morningglory, sunflower, cocklebur and giant ragweed or weeds with subsequent flushes may require a cultivation or postemergence application of Du Pont Classic® Herbicide for season-long control. Consult "Classic" label for application directions, recropping intervals and use restrictions.

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

### SPRAY TANK PREPARATION

Fill tank 1/4 full with water. Start agitation system, add "Preview" 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 quart jar.
2. Mix 2 teaspoons "Preview" 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 powders to 1 teaspoon of liquids with 2 tablespoons of water; add to "Preview"/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 "Preview" and thoroughly mix. For tank mixtures with 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. Use "Preview" spray preparations the same day as mixed or product degradation may occur. Thoroughly reagitrate before using if allowed to settle.

### MINIMUM RECROPPING INTERVAL AND ROTATIONAL GUIDELINES

Crops that can be planted after using "Preview" are listed below. Choice of rotational crop is determined by time interval elapsed since last application.

Time Interval Before Replanting  
Normal\* Rainfall Patterns

Crops	Months
Soybeans	anytime
Wheat, Barley, Ryegrass	4
Field Corn	10**
Alfalfa	10
Dry beans	12
Sorghum	12
Clover	12
All other crops require a successful Field Bioassay***	

\*Normal rainfall is the 30 year average for the field location for the months of April through October. This 7 month period (April to October) must receive a total rainfall 85% of normal or greater with no two consecutive months receiving less than 50% of normal. If these two criteria are not met, extend corn and alfalfa regrop interval to 18 months. Do not apply in areas where the average annual rainfall is less than 25 inches.

\*\*For Applications of Preview made after June 15, extend regrop interval 1 month.

\*\*\*Field Bioassay — The season before planting any crop not listed above, a successful field bioassay must be completed. The field bioassay will detect small quantities of "Preview" 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 label for replanting and recropping 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 "Preview" from mixing and spray equipment. Be careful to rinse both the spray tank, boom and clean nozzles and screens. For more information, consult supplemental bulletin on sprayer cleanout following use of Du Pont "Classic", Canopy®, Gemini™, "Preview" or Lorox® Plus™ Herbicides.

### PRECAUTIONS

Do not apply "Preview" Herbicide to soils with a pH greater than 6.8.

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 "Preview" may affect rotational crops. Follow "MINIMUM RECROPPING INTERVAL AND ROTATIONAL GUIDELINES".

Do not use on sand, muck, or peat soils, nor on soils with less than 1/2% organic matter, as crop injury may occur.

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

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

If "Scepter" herbicide is applied the same year as "Preview", do not plant crops other than soybeans for 18 months.

- \*Trademark of Elanco Products Co., Indianapolis, IN
- \*Trademark of Ciba-Geigy Corp., Greensboro, NC
- \*Trademark of Monsanto Agricultural Products Co., St. Louis, MO
- \*Trademark of American Cyanamid Corp., Princeton, NJ
- \*Trademark of Mobay Chemical Corp., Kansas City, MO
- \*Trademark of Rhone-Poulenc, Inc., Monmouth Junction, NJ
- \*Trademark of Dow Chemical Co., Midland, MI
- \*Trademark of Kalo Agricultural Chemicals, Inc., Overland Park, KS
- \*Trademark of Witco Chemical Corp., Houston, TX

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