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PM 185

MAR 1 1999

Connie Happersett  
E.I. duPont de Nemours & Co.  
Agricultural Products  
P.O. Box 80038  
Wilmington, DE 19880-0038

Dear Ms. Happersett:

SUBJECT: Supplemental Labelings (Two)  
DuPont Canopy XL Herbicide  
EPA Registration No. 352-589  
Your Application Dated November 30, 1998

The labeling referred to above, submitted in accordance with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable with the following provisions:

1. On the supplemental labeling for tankmixes with Authority make the following revisions::
  - a. Under the "Directions for Use" section, in the directions for preemergence applications, there is a typographical error. Replace the word "chose" with the word "choose" in the sentence.
  - b. In Table 1, delete the phrase that begins, "use higher rates of Authority..." and replace it with, "the combined total of all treatments containing the active ingredient sulfentrazone, must not exceed 8 ozs of this product per acre per year."

A stamped copy of each labeling is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

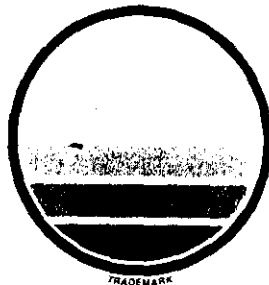
CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	DMorgan							
DATE ▶	Mar 1, 1999							



**DuPont Agricultural  
Products**

"..... A Growing Partnership With Nature"



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**SUPPLEMENTAL LABELING**

**CANOPY XL® HERBICIDE**

SOUTHERN STATES: CANOPY XL REDUCED RATES FOLLOWED BY PLANNED POST APPLICATION OF ROUNDUP + CLASSIC - PROGRAM APPROACH

**CANOPY XL® HERBICIDE**

EPA Reg. No. 352-589

**SOUTHERN STATES: CANOPY XL® REDUCED RATES FOLLOWED BY PLANNED POST APPLICATION OF ROUNDUP<sup>1</sup> ULTRA + CLASSIC® PROGRAM APPROACH**

A planned program of Canopy XL at 3.2 oz per acre applied as a burndown, pre-plant incorporated, or preemergence application followed by a postemergence application of Roundup Ultra at 1.5 pints per acre + Classic at 0.25 oz per acre will provide control of many annual grass and broadleaf weeds in soybeans when used according to the instructions in this Supplemental label. This program may be used in soybean production in the states of AL (Except the "Black Belt" where soil pH must be less than 7.0.), AR, FL, GA, KY, LA, MO Bootheel, MS (Except the "Black Belt" where soil pH must be less than 7.0.), NC, SC, TN, and TX (Fields east of Route 183.).

**DIRECTIONS FOR USE**

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

- The planned program of Canopy XL followed by Roundup Ultra + Classic as described on this supplemental label is recommended for use on soybeans designated "Roundup Ready". Severe injury or death of soybeans will result if any soybeans not designated as "Roundup Ready" are treated postemergence with the Roundup Ultra Herbicide portion of this label.

- Read and follow the Canopy XL, Classic, and Roundup Ultra Specimen labels and the "Classic Tank Mix with Roundup Ultra Herbicide" Supplemental label for additional information on product use, restrictions, and precautions.

Table 1.

Canopy XL at 3.2 oz per acre followed by a planned post application of Roundup Ultra at 1.5 pints per acre + Classic at 0.25 oz per acre - Weeds Controlled\*

Annual Smartweeds	Barnyardgrass
Cocklebur	Corn, Volunteer
Hemp Sesbania	Crabgrass spp.
Jimsonweed	Fall Panicum
Lambsquarters	Foxtail spp.
Morningglory spp.	Signalgrass, Broadleaf
(Entireleaf, Ivyleaf, Pitted, Tall)	Texas Panicum
Nightshade, Eastern Black	
Pigweed spp.	
(Redroot, Smooth, Palmer)	
Prickly Sida	
Ragweed, Common	
Sicklepod	
Sunflower	
Velvetleaf	
Waterhemp spp.	
Yellow Nutsedge	

\* Apply the planned post application of Roundup + Classic when emerged weeds average 2-4" in height.

**For Burndown / Residual Control in Stand Establishment or Conservation Tillage Production**

Canopy XL at 3.2 oz per acre may be applied in combination with Gramoxone<sup>2</sup> Extra, Touchdown<sup>3</sup>, or Roundup Ultra herbicides prior to planting for improved burndown control of existing vegetation while providing early season residual control and suppression of the species listed in Table 1. In order to obtain adequate residual control until the planned post application of Roundup Ultra + Classic can be made, the burndown application

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAR 1 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
352-589

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containing Canopy XL should be made no more than 14 days prior to planting. Consult these product labels for specific use instructions, adjuvant recommendations, rates, restrictions, limitations, and precautions.

**Pre-plant Incorporated / Preemergence Applications**

Canopy XL at 3.2 oz per acre applied pre-plant incorporated or preemergence will provide early season residual control and suppression of the species listed in Table 1. Consult the Canopy XL Specimen label for specific use instructions, restrictions, limitations, and precautions.

**Planned post application of Roundup Ultra + Classic**

As a planned program approach, all applications of Canopy XL at 3.2 oz per acre should be followed up with a properly timed post application of Roundup at 1.5 pints per acre + Classic at 0.25 oz per acre for maximum weed control of the species listed in Table 1. Consult the Classic and Roundup Ultra Specimen labels and the Classic Tank Mix with Roundup Ultra Supplemental label for specific use instructions including other weeds which may be controlled or suppressed and the maximum size at application, restrictions, limitations, and precautions.

**Application Information**

Canopy XL should be applied 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.

The Roundup + Classic application can be applied to "Roundup Ready" soybeans anytime after the first trifoliolate has fully expanded up to 60 days before harvest. Make this planned application when the weeds average 2-4" in height and are actively growing. Applications made to weeds that are in the cotyledon stage, to weeds larger than 4", or to weeds under stress may result in unsatisfactory control.

**Rotational Guidelines**

The following recropping table pertains to the states of AL, AR, FL, GA, KY, LA, MO Bootheel, MS, NC, SC, TN, and TX (Fields east of Route 183.) for all soils regardless of soil pH. The one exception is the "Black Belt" soils of AL and MS where the soil pH must be less than 7.0. The table describes the minimum length in months from the Canopy XL application until the treated soil can be replanted to the crops listed in the table.

**Rotational Intervals (Months):**

Soybeans	Anytime
Wheat, Barley, Rye	4
Field Corn (IR)	10
Field Corn	10
Rice	10
Sorghum	10
Cotton	18
All other crops*	---

\*Refer to the Rotational Guidelines on specimen labels for Canopy XL and Classic for specifics on all other crops.

**IMPORTANT  
BEFORE USING "CANOPY XL", READ AND FOLLOW  
ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND  
PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

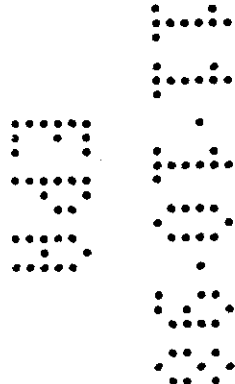
This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

<sup>1</sup> Trademark of Monsanto Agricultural Products, Co.

<sup>2</sup> Trademark of Zeneca, Inc.

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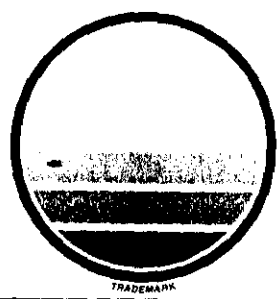


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DuPont Agricultural Products

SUPPLEMENTAL LABELING



CANOPY XL® HERBICIDE TANKMIXES WITH AUTHORITY™ FOR BURNDOWN AND RESIDUAL CONTROL IN SOYBEANS

"..... A Growing Partnership With Nature"

CANOPY XL® Herbicide

Reg. No. 352-589

TANKMIXES WITH AUTHORITY<sup>1</sup> FOR BURNDOWN AND RESIDUAL CONTROL IN SOYBEANS

A tankmix of 1-3 oz Canopy XL herbicide + 2-4 oz Authority herbicide may be applied according to the instructions in this Supplemental label. When used according to this label, these tankmixes will provide season-long control of many broadleaf weeds and suppression of other broadleaf weeds and annual grasses. These tankmixes may be used in soybean production in the states of Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Nebraska<sup>1</sup>, New Jersey, Ohio, Pennsylvania, Virginia, and West Virginia.

DIRECTIONS FOR USE

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

Before using Canopy XL + Authority tankmixes, read and carefully observe the cautionary statements and all other information appearing in the Canopy XL and Authority Specimen Labels.

Preemergence Applications

Choose a tankmix from the table below after considering weed infestations, soil organic matter and pH.

Table 1. Tankmix rates of Canopy XL and Authority

Coarse, medium and fine soil types*	
Canopy XL oz/acre **	Authority oz/acre ***
1	4 3
2	3-4 3
3	2-4 3

\* do not use on coarse soils classified as sands which have less than 1% organic matter

\*\* 1-2 oz Canopy XL may be used on any pH soil; for greatest rotation flexibility, only use 3 oz Canopy XL on soils with composite pH 6.8 or less

\*\*\* use higher rates of Authority for soils with higher organic matter content

Weeds Controlled by Canopy XL + Authority tankmixes are as follows:

- Lambsquarters\* Pigweeds, redroot and smooth\*
- Jimsonweed Prickly Sida
- Velvetleaf \*\* Waterhemp, common and tall
- Nightshade, black and eastern black
- Morningglory, entireleaf, ivyleaf, pitted, tall

Weeds suppressed by Canopy XL + Authority tankmixes (tankmixes containing the higher rates of Canopy XL may give control of these weeds).

- cocklebur foxtail, giant and yellow
- ragweeds, common and giant barnyardgrass
- smartweed, pennsylvania crabgrass

\* includes triazine resistant biotypes

\*\* large-seeded weeds (Velvetleaf) germinating deep in the soil, may require a cultivation or application of postemergent herbicide for season-long control.

Application Timing

Canopy XL + Authority tankmixes may be applied up to 30 days before planting soybeans, at-planting, or immediately after planting but prior to soybean emergence.

Application Equipment, Spray Volumes, and Adjuvants

Apply uniformly by ground equipment using a properly calibrated fixed boom sprayer. Use 10-40 gallons per acre at 20-40 psi. For burndown applications of existing vegetation, use flat fan nozzles and a minimum of 20 gallons per acre so as to thoroughly wet the weeds. For burndown, always include a Crop Oil Concentrate at 1% v/v (1 gallon per 100 gallons of finished spray).

ACCEPTED with COMMENTS In EPA Letter 1999

<sup>1</sup> Fields South of Route 1 and East of the 281.

Under the Federal Insecticide, Fungicide, and Rodenticide Act... 352-589

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### Burndown Applications

When applied prior to planting, the Canopy XL + Authority tankmixes in Table 1, will provide burndown control of certain annual grasses, broadleaf weeds and winter annuals. To obtain burndown of the species listed below, always add 1% COC. For enhanced burndown control, especially with 1 oz Canopy XL + 4 oz Authority, adding 1 pint of 2,4-D LVE (3.5 lbs a.e./A) up to 7 days prior to planting is recommended.

Bedstraw, Carolina	Marestail**
Speedwell, Purslane	Buttercup, Smallflower
Pennycress**	Sunflower**
Chickweed, Common*	Pigweeds
Annual Grasses	Dandelion**
Purple Deadnettle	Henbit
Ragweed, Common, Giant**	Lambsquarters
Shepherdspurse**	Lettuce, Prickly**
Smartweed, Pennsylvania	

\* always add 2,4-D LVE

\*\* recommend adding 2,4-D LVE when using 1 oz Canopy XL with 4 oz Authority

The annual grasses should not exceed 1" in height. For burndown of annual grasses taller than 1", add 2.5 - 5.0 oz Assure® II. The broadleaf weeds should not exceed 3" in height. To burndown broadleaf weeds exceeding 3", add Roundup® Ultra, Touchdown®, Gramoxone® Extra, Bronco®, or 2,4-D LVE. When adding Roundup Ultra, Touchdown, or Bronco, refer to these product labels for specific adjuvant recommendations. To optimize burndown from the Canopy XL + Authority tankmixes, replace the 1% COC with .25% NIS when tankmixing Canopy XL + Authority with Roundup Ultra, Touchdown, or Bronco. To select the proper burndown product, identify the weeds that need to be controlled and consult the product labels to determine which product is needed. Consult the companion burndown herbicide for use instructions, rates, precautions, restrictions and other use information.

### For Season-long Grass and Broadleaf Weed Control

Canopy XL + Authority tankmixes may not provide season-long preemergence control of annual grasses and certain broadleaf weeds. For season-long control, these tankmixes may be followed, as needed, by postemergence grass and/or broadleaf herbicides such as Dupont Assure® II, Classic®, Synchrony® STS®, or Reliance® STS® herbicides.

- In fields where soils have composite pH 6.8 or less, all Canopy XL + Authority tankmixes may be followed with Synchrony STS, up to 3/4 oz Classic, Reliance® STS, Pinnacle® and/or Assure II and have optimal rotational flexibility.

- In fields where soils have composite pH greater than 6.8 and for optimal rotational flexibility:

1 oz Canopy XL + 4 oz Authority may be followed with 1 application of Synchrony STS, up to 2/3 oz Classic, Reliance STS, Pinnacle, and/or Assure II.

2 oz Canopy XL + Authority may be followed with 1/4 oz Classic, Pinnacle, and or Assure II.

Canopy XL + Authority may also be tankmixed or followed as needed with a preemergence grass herbicide such as Lasso®,

Dual®, Dual II®, Prowl®, Command®, or Frontier®.

Refer to the preemergence or postemergence herbicide labels for specific information regarding use rates, pre-plant intervals, application timing, grasses controlled, precautions, restrictions, and other information.

### IMPORTANT

**BEFORE USING CANOPY XL + AUTHORITY, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

Follow rotational crop interval recommendations on the Canopy XL EPA-registered label. For recropping information following Canopy XL + Authority tankmixes, use rotational guideline 1 on the Canopy XL label for the states of IL, IN, IA, KS, MI, MO, NE, OH, and PA. Use rotational guideline 2 on the Canopy XL label for the states of DE, KY, MD, NJ, VA, AND WV.

This label contains new or supplemental instructions for use of this product which may not

appear on the package label. Follow the instructions carefully.

This labeling must be in possession of the user at the time of pesticide application.

<sup>1</sup> Trademark of FMC Corp.

<sup>2</sup> Trademark of Monsanto Agricultural Products Co.

<sup>3</sup> Trademark of Zeneca, Inc.

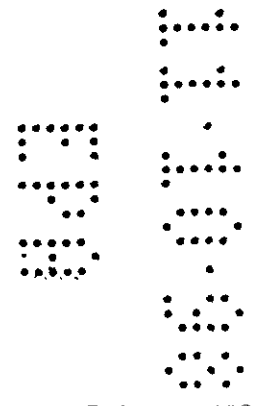
<sup>4</sup> Trademark of Novartis

<sup>5</sup> Trademark of American Cyanamid CORP.

<sup>6</sup> Trademark of BASF AG

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