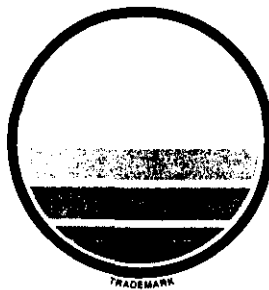




## DuPont Agricultural Products

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



## SUPPLEMENTAL LABELING

SYNCHRONY® STS® DF HERBICIDE  
SYNCHRONY® STS® SP HERBICIDE  
TANKMIXES WITH FLEXSTAR<sup>1</sup>

### SYNCHRONY® STS® DF HERBICIDE

EPA Reg. No. 352-573

### SYNCHRONY® STS® SP HERBICIDE

EPA Reg. No. 352-574

**TANKMIXES WITH FLEXSTAR<sup>1</sup> 1.88\* HERBICIDE FOR CONTROL OF EASTERN BLACK NIGHTSHADE AND WATERHEMP, AND OTHER BROADLEAF WEEDS IN STS® SOYBEANS**

#### DIRECTIONS FOR USE

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

For use only on soybean varieties designated as STS®.

#### HOW TO USE

SYNCHRONY STS herbicide may be tank mixed with Flexstar 1.88 for control of eastern black nightshade, waterhemp, and other broadleaf weeds not controlled by SYNCHRONY STS applied alone in soybeans. Refer to the Flexstar 1.88 label for other weeds which may be controlled and the maximum size at application.

#### Rate

Use SYNCHRONY STS at a rate of 0.5 ounce per acre. Refer to the SYNCHRONY STS label for the size and species of weeds controlled. To control small eastern black nightshade and/or waterhemp, tank mix with Flexstar 1.88 at a rate of 1 to 1 1/4 pints per acre. Refer to the Flexstar 1.88 label for the maximum nightshade or waterhemp sizes controlled at these rates. For other broadleaf weeds, add Flexstar 1.88 at 3/4 to 1 1/4 pints per acre. Refer to the Flexstar 1.88 label for the appropriate rate based on the weeds to be controlled, their size at the time of application, and geographic restrictions on use and rate.

#### Adjuvants

Crop oil concentrate must be added to the tank mix at a rate of 1.0% v/v (8 pints per 100 gallons of spray solution).

Ammonium nitrogen fertilizer may be added as directed on the SYNCHRONY STS label.

\*Equivalent to 1.88 pounds of formosafen active ingredient per gallon of Flexstar.

#### Mixing Instructions

1. Fill the sprayer tank 1/4 to 1/3 full with water. Begin agitation.
2. Add the required amount of SYNCHRONY STS. Continue agitation.
3. Allow the SYNCHRONY STS to dissolve and fully disperse in the water. This will take several minutes.
4. When the SYNCHRONY STS is fully dispersed, resume filling the spray tank with water. Add the Flexstar 1.88.
5. Add the spray adjuvants last.
6. Maintain agitation throughout the spray application. If the mixture has settled, thoroughly re-agitate before using.
7. Apply the spray preparation within 24 hours to avoid product degradation.

#### Precautions

- A temporary crop response should be expected following an application of Flexstar 1.88. Soybean leaves which are open at the time of application will show some bronzing, crinkling or spotting. Soybeans will quickly outgrow these herbicide effects.
- Best results are obtained when applications are made to weeds and soybeans which are young and actively growing. Applications made when the crop and weeds are under stress from moisture, cold, heat, high humidity, disease, insect pressure and prior herbicide stress may result in excessive crop response and/or reduced weed control effectiveness.
- A tank mix of SYNCHRONY STS plus Flexstar 1.88 has occasionally resulted in slight reductions in control (antagonism) of some broadleaf species versus application of SYNCHRONY STS alone. This antagonism can be largely overcome by making tank mix applications when the weeds are at the smaller end of the size range given and when applications are made under good growing conditions and when weeds are free from stress. Alternatively, a sequential application program should be considered.

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- SYNCHRONY STS plus Flexstar 1.88 may be tank mixed with a postemergence grass herbicide such as DuPont Assure<sup>®</sup> II herbicide. However, tank mixing of a postemergence grass herbicide with postemergence broadleaf herbicides such as SYNCHRONY STS and Flexstar 1.88 may result in reduction of effectiveness of the postemergence grass herbicide on some grass species (antagonism). Best results are obtained if the grass herbicide is applied in a sequential program two to three days before or seven days following an application of the broadleaf herbicides. Refer to the postemergence grass herbicide label for additional information on antagonism.

- Do not apply SYNCHRONY STS plus Flexstar 1.88 tankmix if rainfall is expected within 1 hour of application.

- Flexstar 1.88 must be applied before soybeans bloom. Do not apply SYNCHRONY STS within 60 days of harvest.

- Read and follow the SYNCHRONY STS and Flexstar 1.88 specimen labels for additional information on product use, including rotational cropping intervals and other restrictions and precautions. When tank mixing, the most restrictive labeling applies.

\*Equivalent to 1.88 pounds of fomesafen active ingredient per gallon of Flexstar.

**IMPORTANT**

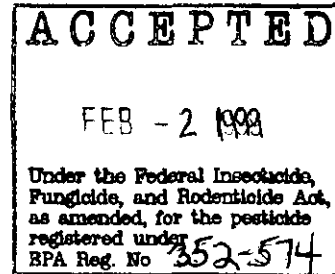
**BEFORE USING SYNCHRONY<sup>®</sup> STS<sup>®</sup>, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

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 Zeneca, Inc.

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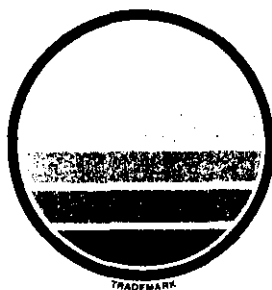
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**SUPPLEMENTAL LABELING**

**SYNCHRONY® STS® DF HERBICIDE  
SYNCHRONY® STS® SP HERBICIDE  
Tankmixes with FirstRate<sup>1</sup> for Improved  
Ragweed and Cocklebur Control**

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**SYNCHRONY® STS® DF HERBICIDE**

EPA Reg. No. 352-573

**SYNCHRONY® STS® SP HERBICIDE**

EPA Reg. No. 352-574

**TANKMIXES WITH FIRSTRATE<sup>1</sup> FOR IMPROVED CONTROL OF COMMON AND  
GIANT RAGWEED AND COCKLEBUR IN STS SOYBEANS**

**DIRECTIONS FOR USE**

It is a violation of federal law to use these products in a manner inconsistent with their labeling.

For use only on soybean varieties designated as STS.

**HOW TO USE**

Synchrony STS herbicide may be tankmixed with FirstRate for improved control of Giant Ragweed, Common Ragweed, and Cocklebur. Refer to the Synchrony STS DF or SP labels for other weeds controlled by Synchrony STS herbicide and for the states in which 0.5 oz Synchrony may be used.

**Rate**

Use Synchrony STS at a rate of 0.5 oz per acre. Add between 0.075 - 0.3 oz per acre FirstRate to the Synchrony STS to control up to 10 inch Cocklebur or Common Ragweed and up to 12 inch Giant Ragweed. Use a lower amount of FirstRate when weeds are less than the maximal size and under good growing conditions. Use a higher amount of FirstRate when weeds are approaching the maximum size and/or under unfavorable growing conditions.

**Adjuvants**

A good quality petroleum-based or methylated seed oil-based Crop Oil Concentrate must be added to the tank mix at a rate of 1.0% v/v (8 pints per 100 gallons of spray solution).

Ammonium nitrogen fertilizer may be added to the tank mix as directed on the Synchrony STS label.

**Mixing Instructions**

1. Fill the spray tank 1/4 to 1/3 full of water and begin agitation.
2. Add the required amounts of Synchrony STS and FirstRate while continuing agitation.
3. Allow the Synchrony STS and FirstRate to dissolve and fully disperse in the water. This will take several minutes.
4. When the Synchrony STS and FirstRate are fully dispersed, resume filling the spray tank with water.
5. Add the spray adjuvants last.
6. Maintain agitation throughout the spray application. If the mixture has settled, thoroughly re-agitate before using.
7. Apply the spray preparation within 24 hours to avoid product degradation.

**Precautions**

Best results are obtained when applications are made to weeds and soybeans that are young and actively growing. Applications made when the crop and weeds are under stress from moisture, cold, heat, humidity, disease, insect pressure and prior herbicide stress may result in reduced weed control effectiveness.

Synchrony STS + FirstRate may be tankmixed with a postemergence grass herbicide such as DuPont Assure® II herbicide. Based on the grass weeds to be controlled, consult the post grass herbicide labels to choose the best product. These labels contain information on antagonism.

Do not apply Synchrony STS + FirstRate if rainfall is expected within 1 hour.

Do not harvest soybeans for 65 days after application of this tankmix.

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Read and follow the Synchrony STS and FirstRate labels for additional information on product use, including rotational cropping intervals and other restrictions and precautions. When tank mixing, the most restrictive labeling applies.

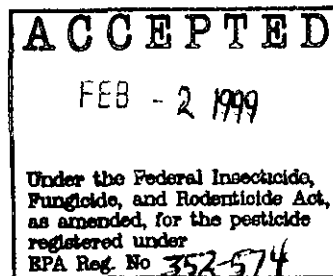
**IMPORTANT – BEFORE USING SYNCHRONY STS AND FIRSTRATE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

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.

) 1 Trademark of Dow AgroSciences LLC

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**SUPPLEMENTAL LABELING** 576

**SYNCHRONY® STS® DF  
HERBICIDE**  
**SYNCHRONY® STS® SP  
HERBICIDE**

**SYNCHRONY® STS® DF HERBICIDE**

EPA Reg. No. 352-573

**SYNCHRONY® STS® SP HERBICIDE**

EPA Reg. No. 352-574

**SYNCHRONY STS APPLIED AT 0.25 OZ/ACRE POSTEMERGENCE IN SOYBEANS OR  
FOLLOWING AN APPLICATION OF 4.0 to 5.3 OZ/ACRE AUTHORITY<sup>1</sup> HERBICIDE**

Synchrony STS herbicide at 0.25 oz/acre may be applied to any soybean variety for broadleaf weed control. Synchrony STS herbicide at 0.25 oz/acre may be used postemergence, or in a planned program following a preemergence, preplant incorporated or preplant burndown application of Authority Herbicide in the states of IA, MN, NE, SD and WI.

**Timing to Crop Stage**

Make a single application of Synchrony STS to soybeans anytime after the first trifoliolate has expanded fully. Apply no later than 60 days before harvest or before soybean flowering; whichever is more restrictive.

**DIRECTIONS FOR USE**

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

Before using Synchrony STS and Authority, read and carefully observe the cautionary statements and other information in the Synchrony STS and Authority specimen labels.

DuPont Synchrony STS Herbicide described on this supplemental label is recommended for use on all soybean varieties.

**Timing to Weeds**

Apply Synchrony STS to 1-4" weeds that are actively growing. Applications made to weeds that are in the cotyledon stage, larger than the size indicated, or to weeds under stress may result in unsatisfactory control.

**APPLICATION INFORMATION**



DuPont Synchrony STS may be applied at 0.25 oz/acre postemergence, or in a planned program following a preemergence, pre-plant incorporated, or a preplant burndown application of 4.0 to 5.3 oz/acre Authority. Refer to the Authority label for other instructions.

**SPRAY ADDITIVES**

**STS Soybeans:** When using Synchrony STS in soybeans designated as STS, add crop oil concentrate at 8 pt per 100 gal of spray solution (1.0% v/v).

**Non-STS Soybeans:** When using Synchrony STS in soybeans that are NOT designated as STS, add nonionic surfactant at a rate of 2 pt per 100 gal of spray solution (0.25% v/v).

**Ammonium nitrogen fertilizer:** Use a high quality, liquid nitrogen fertilizer such as:

- 28-0-0 or 30-0-0 : 4-8 pts. per acre or
- 10-34-0 : 2-4 pts. per acre or 
- AMS: sprayable grade ammonium sulfate (21-0-0) at 2-4 lb per acre 

**When to Apply**

Synchrony STS performs best when applied a few weeks after planting to small actively growing weeds.

Authority may be applied anytime up to 30 days before planting but before soybeans emerge.



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**Rate and Weeds Controlled**

0.25 oz/acre Synchrony STS preceded by 4-5.3 oz/a Authority :

When used as directed on this Supplemental label, Authority followed by Synchrony STS at 0.25 oz/acre will control the following weed species:

- Cocklebur
- Jimsonweed
- Lambsquarters
- Eastern Black Nightshade
- Milkweed, Common (above ground portions only) \*
- Pigweed species (including triazine resistant)
- Ragweed, Common \*\*
- Smartweeds, Annual \*
- Velvetleaf \*
- Wild Sunflower
- Waterhemp, common and tall

0.25 oz/acre Synchrony STS :

When used as directed on this Supplemental label, Synchrony STS at 0.25 oz/acre will control the following weed species:

- Cocklebur
- Pigweed species (including triazine resistant)
- Wild sunflower

And suppress growth of the following weed species:

- Lambsquarters \*
- Jimsonweed \*
- Milkweed, Common (above ground portions only) \*
- Ragweed, common \*\*
- Smartweeds, annual \*
- Velvetleaf \*

- \* Add up to 0.125 oz/A Pinnacle® for improved control
- \*\* Add up to 0.15 oz/A Firstrate<sup>2</sup> for improved control

**Precautions**

A temporary crop response may occur following an application of Synchrony STS to soybeans not designated STS in the variety name.

Applications made when the crop and weeds are under stress from moisture, cold, heat, high humidity, disease, insect pressure and prior herbicide stress may result in excessive crop response and/or reduced weed control effectiveness.

Do not apply Synchrony STS if rain is expected within one hour of application or weed control may be reduced.

Read and follow the Synchrony STS label or other supplemental labels for additional information on product use, restrictions and precautions. When tank mixing, the most restrictive labeling applies.

**IMPORTANT**

**BEFORE USING SYNCHRONY STS OR AUTHORITY, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE SYNCHRONY STS OR AUTHORITY SPECIMEN LABELS.**

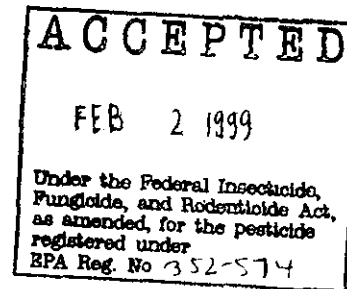
For crop rotational information when using the planned program of Authority followed by 0.25 oz/acre Synchrony STS, refer to the Rotational Guidelines section in the Authority label.

For crop rotational information when using 0.25 oz/acre Synchrony STS, refer to the Rotational Guidelines section in the Reliance<sup>®</sup> STS label.

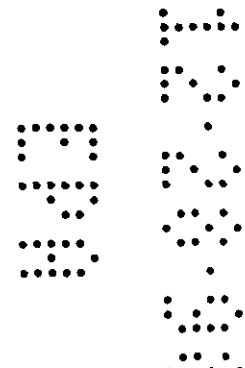
This bulletin contains new or supplemental instructions for use of this product that may not appear on the package label. Follow the instructions carefully.

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 Dow AgroSciences.



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