



**DuPont Agricultural  
Products**

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



41125 352-574 **SUPPLEMENTAL LABELING** 1998

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

**FOR CONTROL OF 4-6" GIANT RAGWEED AND  
OTHER BROADLEAF WEEDS IN STS SOYBEAN  
PRODUCTION**

**SYNCHRONY® STS® HERBICIDE**

EPA Reg. No. 352-568

**SYNCHRONY® STS® DF HERBICIDE**

EPA Reg. No. 352-573

**CLASSIC® HERBICIDE**

EPA Reg. No. 352-436

**SYNCHRONY® STS® SP HERBICIDE**

EPA Reg. No. 352-574

**TANKMIX FOR CONTROL OF 4-6" GIANT RAGWEED AND OTHER  
BROADLEAF WEEDS IN STS SOYBEAN PRODUCTION**

**DIRECTIONS FOR USE**

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

Applications of this tankmix to soybean varieties not designated as 'STS' will result in severe crop injury and/or yield loss.

**HOW TO USE**

**Rate**

A Tankmix of one soluble packet per four acres of either Synchrony STS Herbicide, or Synchrony STS SP Herbicide or 1/2 oz Synchrony STS DF Herbicide, plus 1/8 oz Classic Herbicide is recommended for control of 4-6" Giant Ragweed and for control of all other broadleaf weeds claimed on the Synchrony STS, Synchrony STS DF, and Synchrony STS SP Specimen and Supplemental labeling.

**Crop Stage**

This tank mix of either one soluble packet of Synchrony STS Herbicide, or Synchrony STS SP Herbicide or 1/2 oz. Synchrony STS DF Herbicide, plus 1/8 oz Classic Herbicide may be applied any time after the first trifoliolate has opened but no later than 60 days before soybean maturity.

**Adjuvants**

Application of this tankmix must include a crop oil concentrate at 8 pt per 100 gal of spray solution (1% v/v).

- Use a good-quality, petroleum-based or methylated seed oil-based crop oil concentrate with at least 14% emulsifiers and 80% oil. For best results, use a methylated seed oil at 1% v/v.

In addition to a crop oil concentrate, an ammonium nitrogen fertilizer is recommended and required where velvetleaf is present.

- Use a high-quality, liquid nitrogen fertilizer such as 28-0-0 or 30-0-0 at a rate of 4-8 pt per acre, or a 10-34-0 at a rate of 2-4 pt per acre.

- Alternatively, a high-quality, sprayable grade ammonium sulfate (21-0-0) may be used at a rate of 2-4 lb per acre.
- Use the lower rate of fertilizer for spray volumes of less than 15 gal per acre.

**Tankmixes**

See the Synchrony STS, Synchrony STS DF, or Synchrony STS SP Specimen Labels and other Supplemental Labeling for instructions and precautions on tankmixing with other pesticides such as with DuPont's Assure II, Poast Plus or other post-emergent grass herbicides, with Cobra, Reflex, or Blazer, or with 2,4-DB.

Do not tank mix Synchrony STS Herbicide, Synchrony STS DF, or Synchrony STS SP with any other pesticide or spray adjuvant except as specified on this or other Synchrony STS, Synchrony STS DF, or Synchrony STS SP Specimen or other Supplemental labeling.

**Precautions**

Do not apply either Synchrony STS, or Synchrony STS DF, or Synchrony STS SP plus Classic tankmix if rain is expected within 1 hour of application.

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

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

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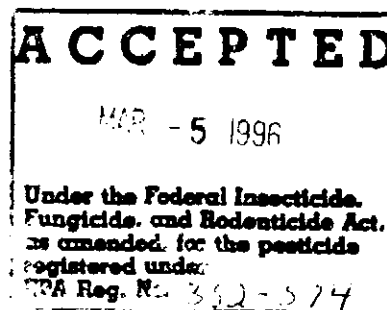
**IMPORTANT**

**BEFORE USING SYNCHRONY STS HERBICIDE AND CLASSIC HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.**

This bulletin contains new or supplemental instructions for the 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.

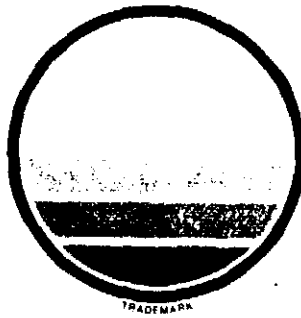
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**DuPont Agricultural  
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**SYNCHRONY® STS® SP  
HERBICIDE  
FOR SUPPRESSION OF VARIOUS  
WEEDS IN STS® SOYBEANS**

**SYNCHRONY® STS® SP HERBICIDE**

(EPA Reg. No. 352-574)

**FOR SUPPRESSION OF DANDELION, PERENNIAL SOWTHISTLE,  
RUSSIAN THISTLE AND POKEWEED 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**

When applied as directed on the product label, SYNCHRONY STS SP will suppress the following weeds:

<u>Weeds Suppressed</u>	<u>Height (inches) at Application</u>
Dandelion (rosette stage)	up to 8" in diameter
Perennial Sowthistle (rosette stage)	up to 6" diameter
Pokeweed	2 - 6
Russian Thistle	1 - 3

Weed suppression is a visual reduction in weed competition (reduced population, size, and/or vigor) as compared to an untreated area. Degree of suppression can be increased by treating weeds when actively growing and not under stress.

**IMPORTANT**

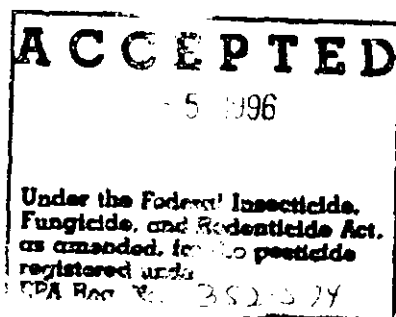
**BEFORE USING SYNCHRONY STS SP HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

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.

Use of this quantity of purchased SYNCHRONY STS SP herbicide is permitted under claim 24 of U.S. Patent 5,084,082.

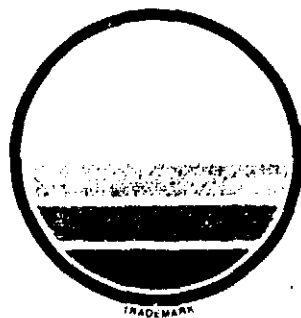
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**SUPPLEMENTAL LABELING**

**SYNCHRONY® STS® SP  
HERBICIDE  
WITH COBRA® HERBICIDE  
IN STS® SOYBEANS**

**SYNCHRONY® STS® SP HERBICIDE**

(EPA Reg. No. 352-574)

**USE OF REDUCED RATES OF COBRA HERBICIDE WITH SYNCHRONY® STS® SP HERBICIDE  
FOR CONTROL OF EASTERN BLACK NIGHTSHADE, COMMON WATERHEMP  
AND OTHER 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**

**Tank Mixes**

DuPont SYNCHRONY STS SP Herbicide may be tank mixed with a reduced rate of "Cobra" for control of eastern black nightshade and common waterhemp and may also aid in control or suppression of other weed species. Refer to the "Cobra" label for other weeds which may be controlled or suppressed and the maximum size at application.

**Rate**

Use SYNCHRONY STS SP at a rate of one 2.0 ounce Soluble Pack per 4 acres (0.50 ounce per acre). Refer to the SYNCHRONY STS SP label for the size and species of weeds controlled. To control small nightshade (a maximum of 2" in height), and/or common waterhemp (a maximum of 4" in height), add "Cobra" at a rate of 4 to 6 fluid ounces per acre. Use the higher rate of "Cobra" for nightshade and waterhemp at or near the maximum size.

**Adjuvants**

Use crop oil concentrate at a rate of 0.5% v/v (4 pints per 100 gallons of spray solution). DO NOT exceed this rate of crop oil concentrate.

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

**Mixing Instructions**

1. Fill the sprayer tank 1/4 to 1/3 full with water. Begin agitation.
2. Add the required number of SYNCHRONY STS SP Soluble Packs. Continue agitation.
3. Allow the SYNCHRONY STS SP Soluble Packs to dissolve and fully disperse in the water. This will take several minutes.
4. When the SYNCHRONY STS SP is fully dispersed, resume filling the spray tank with water. Add the "Cobra".
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.

**Sequential Application Program**

Apply SYNCHRONY STS SP as directed on the product label. If nightshade or common waterhemp emerges following an application of SYNCHRONY STS SP, "Cobra" may be applied at a reduced rate of 4 to 6 fluid ounces per acre. At this reduced rate nightshade must not exceed 2" in height and waterhemp must not exceed 4" in height. If these weeds exceed these sizes or if other weeds are present, refer to the "Cobra" label for rate and use recommendations. To minimize crop response, an interval of at least seven days between applications is recommended.

Refer to the "Cobra" label for recommended surfactant and fertilizer adjuvants.

**Precautions**

- A temporary crop response should be expected following an application of "Cobra". Soybean leaves which are open at the time of application will show some burn, bronzing and speckling. Trifoliolate soybean leaves which have emerged but are unopened at the time of application may appear cupped at the tip and/or crinkled along the edges of the leaf. 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.
- If nightshade or waterhemp exceed the maximum size stated, satisfactory control may not be achieved.
- A tank mix of SYNCHRONY STS SP + "Cobra" has occasionally resulted in slight reductions in control (antagonism) of some broadleaf species versus application of SYNCHRONY STS SP 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 SP + "Cobra" may be tank mixed with a postemergence grass herbicide such as DuPont ASSURE® II Herbicide. However, tank mixing of a postemergence grass herbicide with postemergence broadleaf herbicides such as SYNCHRONY STS SP and "Cobra" may result in a 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 one day 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 SP or "Cobra" if rain is expected within one hour of application.
- Do not graze or feed soybean forage and hay if treated with SYNCHRONY STS SP or "Cobra".
- Do not apply "Cobra" within 90 days of harvest. Do not apply SYNCHRONY STS SP within 60 days of harvest.
- Read and follow the SYNCHRONY STS SP and "Cobra" labels for additional information on product use, rotational cropping intervals, and other restrictions and precautions. When tank mixing, the most restrictive labeling applies.

**IMPORTANT**

**BEFORE USING "SYNCHRONY STS" SP HERBICIDE AND COBRA HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.**

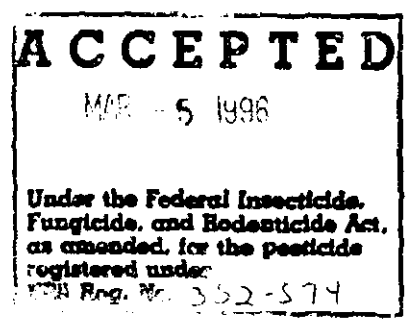
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This labeling must be in the possession of the user at the time of pesticide application.

† Registered trademark of Valent U.S.A. Corporation

Use of this quantity of purchased SYNCHRONY® STS® SP Herbicide is permitted under claim 24 of U.S. Patent 5,084,082.

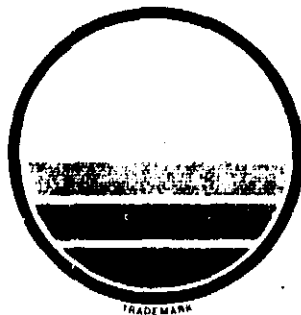
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**SYNCHRONY® STS® SP HERBICIDE  
WITH BLAZER<sup>1</sup> HERBICIDE OR  
REFLEX<sup>2</sup> 2LC HERBICIDE  
IN STS® SOYBEANS**

**SYNCHRONY® STS® SP HERBICIDE**

(EPA Reg. No. 352-574)

**TANK MIX OF SYNCHRONY® STS® SP HERBICIDE  
WITH BLAZER OR REFLEX 2LC HERBICIDES  
FOR BROADLEAF WEED CONTROL 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**

DuPont SYNCHRONY STS SP Herbicide may be tank mixed with "Blazer" or "Reflex" 2LC for control of broadleaf weeds not controlled by SYNCHRONY STS SP applied alone in soybeans. Refer to the "Blazer" or "Reflex" 2LC label for other weeds which may be controlled and the maximum size at application.

**Rate**

**"Blazer":**

Use SYNCHRONY STS SP at a rate of one 2.0 ounce Soluble Pack per 4 acres (0.50 ounce per acre). Refer to the SYNCHRONY STS SP label for the size and species of weeds controlled. Tank mix with "Blazer" at a rate of 1/2 to 1 1/2 pints per acre. Refer to the "Blazer" label for the appropriate rate based on the weeds to be controlled and their size at the time of application.

**"Reflex" 2LC:**

Use SYNCHRONY STS SP at a rate of one 2.0 ounce Soluble Pack per 4 acres (0.50 ounce per acre). Refer to the SYNCHRONY STS SP label for the size and species of weeds controlled. Tank mix with "Reflex" 2LC at a rate of 3/4 to 1 1/2 pints per acre. Refer to the "Reflex" 2LC 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**

**"Blazer":**

Nonionic surfactant must be added to the tank mix at a rate of 0.25% v/v (2 pints per 100 gallons of spray solution).

Use of crop oil concentrate or vegetable origin oil is not recommended, as severe crop injury may occur.

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

**"Reflex" 2LC:**

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 SP label.

**Mixing Instructions**

1. Fill the sprayer tank 1/4 to 1/3 full with water. Begin agitation.
2. Add the required number of SYNCHRONY STS SP Soluble Packs. Continue agitation.
3. Allow the SYNCHRONY STS SP Soluble Packs to dissolve and fully disperse in the water. This will take several minutes.
4. When the SYNCHRONY STS SP is fully dispersed, resume filling the spray tank with water. Add the "Blazer" or "Reflex" 2LC.
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 "Blazer" or "Reflex" 2LC. Soybean leaves which are open at the time of application will show some burn, bronzing, crinkling and 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 SP + "Blazer" or "Reflex" 2LC has occasionally resulted in slight reductions in control (antagonism) of some broadleaf species versus application of SYNCHRONY STS SP 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.

- SYNCHRONY STS SP + "Blazer" or "Reflex" 2LC 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 SP and "Blazer" or "Reflex" 2LC may result in a 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 one day 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 SP + "Blazer" if rain is expected within one hour of application.
- Do not apply SYNCHRONY STS SP + "Reflex" 2LC if rain is expected within 4 hours of application.
- Do not graze or feed soybean forage and hay if treated with SYNCHRONY STS SP, "Blazer", or "Reflex" 2LC.
- Do not apply SYNCHRONY STS SP + "Blazer" within 60 days of harvest.
- "Reflex" 2LC must be applied before soybeans bloom. Do not apply SYNCHRONY STS SP within 60 days of harvest.

- Read and follow the SYNCHRONY STS SP, "Blazer", and "Reflex" 2LC labels for additional information on product use, geographical restrictions, rotational cropping intervals, and other restrictions and precautions. When tank mixing, the most restrictive labeling applies.

### IMPORTANT

**BEFORE USING "SYNCHRONY STS" SP HERBICIDE, BLAZER HERBICIDE, AND REFLEX 2LC HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.**

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

<sup>1</sup> Registered trademark of BASF AG

<sup>2</sup> Registered trademark of a Zeneca Group Company

Use of this quantity of purchased SYNCHRONY<sup>®</sup> STS<sup>®</sup> SP Herbicide is permitted under claim 24 of U.S. Patent 5,084,082.

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