



000352-00599-042099

Printed: 13:01:18 Friday, 21 May, 1999 # 53 / 2919

Systems Integration Group, Inc.

PM 25

352-599

4-20-99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Reduced Rate of Synchrony STS Tank Mix or Sequential with Reduced Rates of Pursuit or Pursuit EcoPak In STS and Non STS Soybeans)
EPA Registration No. 352-599
Your Application Dated March 26, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label.. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)



DuPont Agricultural Products

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



SYNCHRONY® STS® DF
SYNCHRONY® STS® SP
SYNCHRONY® STS®

ACCEPTED
APR 20 1999
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 352-573

SYNCHRONY® STS® DF HERBICIDE
EPA Reg. No. 352-573

SYNCHRONY® STS® SP HERBICIDE
EPA Reg. No. 352-574

SYNCHRONY® STS® HERBICIDE
EPA Reg. No. 352-LOO ✓

TANK MIX OR SEQUENTIAL APPLICATION WITH A REDUCED RATE OF PURSUIT® or PURSUIT ECO PAK® HERBICIDE FOR CONTROL OF NIGHTSHADE IN STS AND NON-STs SOYBEANS IN THE STATES OF IA, MN, NE, SD, AND WI

DuPont SYNCHRONY® STS Herbicide may be applied in a tank mix or the first application of a sequential program with a reduced rate of Pursuit or Pursuit Eco Pak for the control of nightshade in addition to those weeds listed on this supplemental label in the states of IA, MN, NE, SD and WI.

Timing to Weeds

Apply to eastern black nightshade less than 2" in height and to all other weeds listed at 1-4". Best results are obtained when either SYNCHRONY® STS plus Pursuit or Pursuit Eco Pak is applied to weeds that are young (after the first true leaves have expanded, but before they exceed the size indicated on this label) and actively growing. Applications made to weeds that are in the cotyledon stage, to weeds larger than the sizes indicated, or to weeds under stress (weather, herbicide, or other) may result in unsatisfactory control.

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, read and carefully observe the cautionary statements and other information in the SYNCHRONY® STS specimen labels.

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

Rate and Weeds Controlled

When used as directed on this supplemental label, SYNCHRONY® STS at 0.25 oz/acre plus Pursuit at 2.0 oz/acre or Pursuit Eco Pak at the rate of 1 soluble pack per 10 acres will control the following weed species:

SYNCHRONY® STS® .25 oz/ac + Pursuit Tankmix:

Application Information

DuPont SYNCHRONY® STS may be applied at a rate of 0.25 oz per acre, (1 soluble pack per 8 acres), with Pursuit or Pursuit Eco Pak at a rate of 2.0 ounces per acre or 1 soluble bag per 10 acres, respectively, in a tankmix.

When to Apply

SYNCHRONY® STS + Pursuit performs best when applied a few weeks after planting to small actively growing weeds.

Timing to Crop Stage

Make a single application of SYNCHRONY® STS + Pursuit to soybeans anytime after the first trifoliate has fully expanded and the plants are actively growing. Apply no later than 60 days before harvest or before soybean flowering; whichever is more restrictive.

Common Cocklebur

Pigweed species (including triazine resistant)

Wild sunflower

Eastern Black Nightshade

When used as directed on this supplemental label, SYNCHRONY® STS at 0.25 oz/acre plus Pursuit at 2.0 oz/acre or Pursuit Eco Pak at the rate of 1 soluble pack per 10 acres will suppress the following weed species:

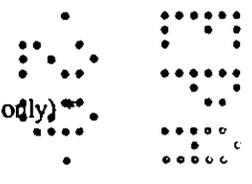
Lambsquarters *

Jimsonweed *

Milkweed, Common (above ground portions only) **

Smartweeds, annual *

Velvetleaf *



* Add up to 0.125 oz/A PINNACLE® for improved control

Spray Additives for tankmix

Postemerge applications of SYNCHRONY STS applied as a tankmix with either Pursuit or Pursuit Eco Pak must include the addition of nonionic surfactant and ammonium nitrogen fertilizer. For additional information on approved additives, refer to the DuPont bulletin "Approved Adjuvant List for Use with DuPont Row Crop and Cereal Herbicides".

Non-Ionic Surfactant: Use nonionic surfactant at the rate of 1 pint per 100 gal of solution (0.125% v/v). Under dry, cool (generally 70 F or less) conditions the rate of nonionic surfactant may be increased to 2 pints per 100 gal. of solution (0.25% v/v).

Ammonium Nitrogen Fertilizer: Use a high quality nitrogen fertilizer product such as 28-0-0 at a rate of 4 - 8 pints per acre, or 10-34-0 at a rate of 2 - 4 pints per acre. Alternately, a high-quality, sprayable grade of ammonium sulfate (21-0-0) may be used at a rate of 2 - 4 pounds per acre. Use the lower rate for volumes less than 15 gal. per acre.

Do not use "Dash"², "Dash" HC², or products that may contain these additives like "Poast Plus"², crop oil concentrates or methylated seed oil products such as "Sun-It" IP when tankmixing SYNCHRONY STS with either Pursuit or Pursuit Eco Pak as excessive crop injury may occur.

SYNCHRONY® STS® .25 oz/ac followed by Pursuit Sequential Program:

If eastern black nightshade becomes a problem following an application of SYNCHRONY® STS, an application of Pursuit or Pursuit Eco Pak may be applied at a rate of 2.0 ounces per acre or 1 soluble bag per 10 acres, respectively, for control of small, actively growing eastern black nightshade that does not exceed 2" in height. A minimum interval of 7 days between the SYNCHRONY® STS application and follow-up Pursuit or Pursuit Eco Pak treatment is advised to reduce the potential for unsatisfactory weed control. Weeds should be free from stress and actively growing when the follow-up application is made. The soybean plants should have at least one newly emerged fully expanded trifoliate prior to the follow-up application of Pursuit or Pursuit Eco Pak.

Spray Additives for Sequential Program

The sequential application of Pursuit must include both:
- methylated seed oil such as Sun-It II or crop oil concentrate at the rate of 1.5 - 2 pints per acre, AND
- ammonium nitrogen fertilizer such as 28% N or 10-34-0 at a rate of 2-4 pints per acre. Alternately, spray grade ammonium sulfate may be used at 2-4 lbs per acre.

Rotational Crop Guidelines

For crop rotational information when using 0.25 oz/acre SYNCHRONY® STS®, refer to the Rotational Guidelines section in the DuPont Reliance® STS® label.

IMPORTANT PRECAUTIONS

- Soybeans should be free from stress and actively growing at the time of application. Stress may be caused by abnormally hot or cold weather, growing conditions such as drought or water-saturated soil, disease, soil nutrient deficiencies such as iron chlorosis, or injury from nematodes, insects, or prior herbicide applications.
- Applications of SYNCHRONY® STS when tank mixed with either Pursuit or Pursuit Eco Pak may shorten stem internodal length and cause temporary crop injury. Crop response may be increased when applications are made to soybeans that are under stress. Soybeans will recover quickly under normal growing conditions.
- Cultivation may put weeds under stress by pruning roots, thus reducing weed control. Avoid cultivation 7-10 days prior to or following application of any of the recommended herbicide treatments. For maximum weed control, cultivate 7-10 days after application.
- Read and follow the SYNCHRONY® STS, Pursuit, Pursuit Eco Pak Herbicide labels or other supplemental labels for additional information on product use, restrictions and precautions. When tankmixing, the most restrictive label applies.
- Applications within 1 hour of rain may reduce weed control.

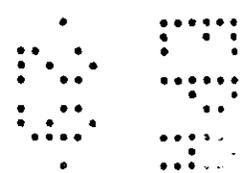
IMPORTANT

BEFORE USING "SYNCHRONY STS", PURSUIT OR PURSUIT ECO PAK HERBICIDES, READ AND CAREFULLY OBSERVE THE PRECAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE SYNCHRONY STS, PURSUIT OR PUSUIT ECO PAK SPECIMEN LABELS.

This bulletin contains new or supplemental instructions for use of these products that do not appear on the EPA-registered package labels. Follow the instructions carefully.

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

- 1 Registered trademark of American Cyanamid Company
- 2 Registered trademark of BASF AG.
- 3 Registered trademark of Agsco, Inc.



D-032299

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Use In STS Soybean Seed Production)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label.. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)



DuPont Agricultural Products

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



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

USE IN STS® SEED PRODUCTION

SYNCHRONY® STS® DF HERBICIDE

EPA Reg. No. 352-573

SYNCHRONY® STS® SP HERBICIDE

EPA Reg. No. 352-574

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352-XXX

Synchrony STS Herbicide at 0.75 oz/ac for preserving the STS trait in STS soybean seed production.

A rate of .75 oz/ac Synchrony STS herbicide may be used in STS seed production to ensure resulting seed supply meets customer specifications.

DIRECTIONS FOR USE

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

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

For use only on soybean varieties designated as STS.

Rate

Use Synchrony STS at a rate of 0.75 oz per acre.

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 labels.

Weeds controlled

For the spectrum of weeds controlled and the minimum sizes controlled, consult the Synchrony STS section 3 and supplemental labeling.

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 while continuing 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.
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 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 if rainfall is expected within 1 hour.

Read and follow the Synchrony STS labels for additional information on product use, including rotational cropping intervals and other restrictions and precautions. For 0.75 oz/ac Synchrony STS in Region A, follow Recrop Interval 1 on the section 3 Synchrony STS labels. This is for all pH soils. For 0.75 oz/ac Synchrony STS in Region B, follow Recrop Interval 2 on the section 3 Synchrony STS labels. When tank mixing, the most restrictive labeling applies.

For product information call 1-888-6-DUPONT

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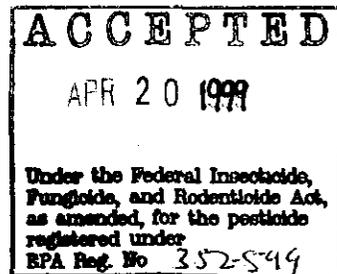
IMPORTANT

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

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.

D-021199



For product information call 1-888-6-DUPONT
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mix with Roundup Ultra for STS x Roundup Ready Stacked Trait Soybeans)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label.. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

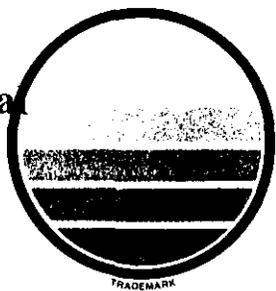
James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

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SUPPLEMENTAL LABELING

DuPont Agricultural Products



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

SYNCHRONY® STS®
SYNCHRONY® STS® SP
SYNCHRONY® STS® DF
TANKMIXES WITH
ROUNDUP ULTRA® HERBICIDE

SYNCHRONY® STS® HERBICIDE **SYNCHRONY® STS® SP HERBICIDE** **SYNCHRONY® STS® DF HERBICIDE**
EPA Reg. No. 352- 400 EPA Reg. No. 352-574 EPA Reg. No. 352-573

TANKMIXES WITH ROUNDUP ULTRA® HERBICIDE

SYNCHRONY STS, SYNCHRONY STS SP, SYNCHRONY STS DF AND "ROUNDUP ULTRA" TANK MIXES FOR BROAD SPECTRUM WEED CONTROL IN STS X ROUNDUP READY® STACKED TRAIT SOYBEANS

DIRECTIONS FOR USE

It is a violation of federal law to use these products in a manner inconsistent with their labeling. The tank mix of either DuPont SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF Herbicide plus Monsanto "Roundup Ultra" Herbicide described on this supplemental label is recommended for use on soybeans designated "STS X Roundup Ready stacked trait". Severe injury or death of soybeans will result if any soybeans not designated as "STS X Roundup Ready stacked trait" are treated with the "Roundup Ultra" Herbicide portion of this tank mix.

APPLICATION INFORMATION

Tank Mixes

Either DuPont SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF, herbicide may be tank mixed with Monsanto "Roundup Ultra" Herbicide for control of annual grasses and broadleaf weeds. Refer to the "Roundup Ultra" label for other weeds which may be controlled or suppressed and the maximum size at application.

Rate

Select the appropriate rates of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF herbicide plus "Roundup Ultra" from the table below, basing the selection on the size and species of weeds to be controlled.

When to Apply

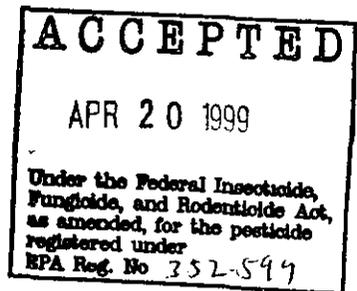
Tank mixes of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF herbicide plus "Roundup Ultra" perform best when applied to small weeds a few weeks after planting.

Timing to Crop Stage

Apply a tank mix of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF herbicide plus "Roundup Ultra" to "STS X Roundup Ready stacked trait" soybeans anytime after the first trifoliolate has fully expanded. Apply no later than 60 days before harvest.

Timing to Weeds

Apply a tank mix of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF herbicides plus "Roundup Ultra" when weeds are young and actively growing (after the first true leaves have expanded, but before the weeds exceed the size indicated in the table below). Applications made to weeds that are in the cotyledon stage, to weeds larger than the size indicated, or to weeds under stress may result in unsatisfactory control.



Weeds Controlled

When applied as directed, a tankmix of either 0.25- 0.5 oz/ac of SYNCHRONY® STS, SYNCHRONY® STS SP or SYNCHRONY® STS DF herbicide plus "Roundup Ultra" at 1-1.5 pt/ac will control the following weeds:

Weeds Controlled	Height in inches	
	0.25-0.5 oz Synchrony STS 0.25-0.5 oz Synchrony STS SP 0.25-0.5 oz Synchrony STS DF + 1 pt Roundup Ultra/a	0.25-0.5 oz Synchrony STS 0.25-0.5 oz Synchrony STS SP 0.25-0.5 oz Synchrony STS DF + 1.5 pt Roundup Ultra/a
Ann. Smartweeds	1-3	2-4
Cocklebur	2-6	2-8
Jimsonweed	2-4	2-6
Lambsquarters	2-4	2-4
Nightshade, Eastern Black	1-3	2-4
Pigweed Species		
Redroot/Rough	2-10	2-12
Other pigweeds	2-8	2-8
Waterhemp species	2-4	2-6
Velvetleaf	1-3	2-4
Morningglory spp.		
Entireleaf	1-3	2-4
Ivyleaf	1-3	2-4
Pitted	1-3	2-4
Tall	1-3	2-4
Prickly Sida	1-2	2-4
Ragweed, common	1-3	2-4
Ragweed, giant	1-3	2-6
Sicklepod	1-3	2-4
Foxtail species	2-4	2-4
Barnyardgrass	2-4	2-4
Fall Panicum	1-2	2-4
Signalgrass, broadleaf	1-2	2-4
Crabgrass spp.	2-4	4-6
Texas panicum	2-4	4-6
Yellow Nutsedge	1-4	2-6

Adjuvants

Application of this tankmix must include a nonionic surfactant at 2 pt per 100 gal of spray solution(0.25 %v/v). Use a high quality nonionic surfactant with at least 14% emulsifiers and 80% nonionic surfactant.

In addition to a nonionic surfactant , 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 10-34-0 at a rate 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 less than 15 gal per acre.

Mixing Instructions

1. Fill the sprayer tank 1/4 to 1/3 full with water. Begin agitation.
2. Add the required amount of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF Herbicides. Continue agitation.
3. Allow the either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF Herbicides to fully disperse in the water. This will take several minutes.
4. When either the SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF Herbicides is fully dispersed, resume filling the spray tank with water. Add the "Roundup Ultra".
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

- Avoid "Synchrony STS" + "Roundup Ultra" contact with foliage, green stems, or fruit of other crops, or any desirable plants and trees, since severe injury or destruction will result.
- Best results are obtained when applications are made to weeds which are young and actively growing.
- Applications made when the weeds are under stress from moisture, cold, heat, high humidity, disease, insect pressure and prior herbicide stress may result in reduced weed control effectiveness.
- Do not apply either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF Herbicides plus "Roundup Ultra" if rain is expected within six hours of application.
- Do not graze or feed soybean forage and hay if treated with either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF Herbicides plus "Roundup Ultra".
- Read and follow the SYNCHRONY® STS, SYNCHRONY® STS SP, SYNCHRONY® STS DF and "Roundup Ultra" labels for additional information on product use, restrictions and precautions. When tank mixing, the most restrictive labeling applies.

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**IMPORTANT
BEFORE USING "SYNCHRONY STS", "SYNCHRONY
STS SP", and "SYNCHRONY STS DF" HERBICIDES
AND "ROUNDUP ULTRA" HERBICIDE, READ AND
FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS
AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.**

This bulletin contains new or supplemental instructions for use of these products 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 & ² Registered trademarks of Monsanto Agricultural Company.

(Replaces H-63178)

D-021799



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mix or Sequential Application with Reduced Rates of Pursuit or Pursuit EcoPak In STS Soybeans in Certain States)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)



DuPont Agricultural Products

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



**SYNCHRONY® STS®
SYNCHRONY® ST® SP,
SYNCHRONY® STS® DF
HERBICIDES
TANK MIX WITH "PURSUIT™"
HERBICIDE FOR CONTROL
OF NIGHTSHADE**

SYNCHRONY® STS®
EPA Reg. No. 352-100

SYNCHRONY® STS® SP
EPA Reg. No. 352-574

SYNCHRONY® STS® DF
EPA Reg. No. 32-573

**TANK MIX OR SEQUENTIAL APPLICATION WITH A REDUCED RATE OF
"PURSUIT" or "PURSUIT ECO PAK" HERBICIDE FOR CONTROL OF NIGHTSHADE IN STS® SOYBEANS IN THE
STATES OF IL, IN, IA, KS, MI, NE, OH, AND PA**

Either DuPont SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF herbicides may be applied in a tank mix or the first application of a sequential program with a reduced rate of either "Pursuit" or "Pursuit Eco Pak" for the control of nightshade in addition to those weeds listed on the SYNCHRONY® STS, SYNCHRONY® STS SP, and SYNCHRONY® STS DF labels in the states of Illinois, Indiana, Iowa, Kansas, Michigan, Nebraska, Ohio, and Pennsylvania.

DIRECTIONS FOR USE

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

HOW TO USE

Tank Mix

Either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF at the rate of 0.5 oz/ac may be tank mixed with either "Pursuit" at a rate of 2.0 ounces per acre or "Pursuit Eco Pak" at a rate of 1 soluble bag per 10 acres is recommended for postemergence control of the weeds listed on the "Synchro" STS, SYNCHRONY® STS SP, and SYNCHRONY® STS DF labels and small eastern black nightshade no taller than 2 inches. Refer to the SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF labels for other weeds controlled and maximum heights.

Best results are obtained when either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF plus either "Pursuit" or "Pursuit Eco Pak" is applied to weeds that are young (after the first true leaves have expanded, but before they exceed the size indicated on this label) and actively growing. This is generally 21-30 days after planting of soybeans. Applications made to weeds that are in the cotyledon stage, or to weeds larger than the sizes indicated, or to weeds under stress (weather, herbicide, or other) may result in unsatisfactory control.

Sequential Applications

If eastern black nightshade becomes a problem following a application of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF, an application of a reduced rate of "Pursuit" or "Pursuit" Eco Pak can be made. "Pursuit" or "Pursuit" Eco Pak may be applied at a rate of 2.0 ounces per acre or 1 soluble bag per 10 acres, respectively, for control of small, actively growing eastern black nightshade that does not exceed 2" in height. A minimum interval of 7 days between the SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF application and follow-up "Pursuit" or "Pursuit" Eco Pak treatment is advised to reduce the potential for unsatisfactory

weed control. Weeds should be free from stress and actively growing when the follow-up application is made. The soybean plants should have at least one newly emerged, fully expanded, trifoliate prior to the follow-up application of "Pursuit" or "Pursuit" Eco Pak.

This program is recommended for the control of broadleaf weeds only. Other measures should be used to control grassy weeds.

ADJUVANTS: Postemergence applications of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF tank mixed or applied as the first application of a sequential program with either "Pursuit" or "Pursuit Eco Pak" must include the addition of a nonionic surfactant and ammonium nitrogen fertilizer.

- Use a nonionic surfactant at the rate of 1 pint per 100 gal of solution (0.125% v/v). Under dry, cool (generally 70° F or less) conditions the rate of nonionic surfactant may be increased to 2 pints per 100 gal. of solution (0.25% v/v).
- Use a high quality nitrogen fertilizer product such as 28-0-0 at a rate of 4 - 8 pints per acre, or 10-34-0 at a rate of 2 - 4 pints per acre. Alternately, a high-quality, sprayable grade of ammonium sulfate (21-0-0) may be used at a rate of 2 - 4 pounds per acre. Use the lower rate for spray volumes less than 15 gal. per acre.
- Do not use "Dash", "Dash" HC³, crop oil concentrates, or methylated seed oil products such as "Sun-It" IP with either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF, when applied alone as a first application of a planned program or tank mixed with either "Pursuit" or "Pursuit Eco Pak" as excessive crop injury may occur.

For additional information refer to the DuPont bulletin "Approved Adjuvants for Use With DuPont Row Crop and Cereal Herbicides" for a list of approved adjuvants and suggested use rates.

APPLICATION INFORMATION

Broadcast Application: Use flat fan nozzles at 25 - 40 psi. Do not use flood, hollow cone, rain drop, whirl chamber or controlled droplet applicator (CDA) type nozzles as unacceptable crop injury, excessive spray drift, or poor weed control may result. Use 10 - 25 gallons of water per acre. For proper spray coverage, adjust the boom and nozzle height according to the specifications listed by the nozzle manufacturer.

Band Application: For band application, use proportionately less spray mixture. To avoid crop injury, carefully calibrate the band applicator so as not to exceed the desired use rate. Carefully follow the manufacturer's instructions for nozzle type, (flat fan preferred), nozzle orientation, distance of the nozzles from the crop and weeds, spray

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volumes, calibration, and spray pressure. For additional information on row banders, see DuPont bulletin "Application Accuracy - Row Banders."

Aerial Application: Use nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage at 5 to 10 gallons per acre. Do not apply during a temperature inversion, when winds are gusty, or when other conditions will favor poor coverage and/or off target spray movement. Use a minimum of 5 gallons of water per acre. Consult the respective product labels for special directions for aerial application.

IMPORTANT PRECAUTIONS

- Soybeans should be free from stress and actively growing at the time of application. Stress may be caused by abnormally hot or cold weather, growing conditions such as drought or water-saturated soil, disease, soil nutrient deficiencies such as iron chlorosis, or injury from nematodes, insects, or prior herbicide applications.
- Applications of either SYNCHRONY® STS, SYNCHRONY® STS SP, or SYNCHRONY® STS DF when tank mixed with either "Pursuit" or "Pursuit Eco Pak" may shorten stem internodal length and cause temporary crop injury. Crop response may be increased when applications are made to soybeans that are under stress. Soybeans will recover quickly under normal growing conditions.
- Cultivation may put weeds under stress by pruning roots, thus reducing weed control. Avoid cultivation 7-10 days prior to or following application of any of recommended herbicide treatments. For maximum weed control, cultivate 7-10 days after application.
- Apply the tank mix treatment or the first treatment in a planned sequential program after the first trifoliolate of the soybean has fully expanded and the plants are actively growing, but before soybeans begin to flower.
- Refer to the SYNCHRONY® STS, SYNCHRONY® STS SP or , SYNCHRONY® STS DF and "Pursuit" or "Pursuit Eco Pak" Herbicide labels for additional use directions, use restrictions, rotational crop intervals, and precautions. The most restrictive provision on either label will apply.
- Applications within 1 hour of rain may reduce weed control.

IMPORTANT

BEFORE USING "SYNCHRONY" STS, "SYNCHRONY" STS SP, "SYNCHRONY" STS DF, "PURSUIT" or "PURSUIT ECO PAK" HERBICIDES, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.

This bulletin contains new or supplemental instructions for use of these products which do not appear on the EPA-registered package labels. Follow the instructions carefully.

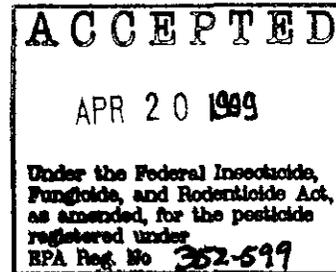
This labeling must be in the possession of the user at the time of pesticide application.

¹ Registered trademark of American Cyanamid Company

² Registered trademark of BASF AG.

³ Registered trademark of Agsco, Inc.

(Replaces H-63177)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mix with Classic for Control of Giant Ragweed)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)



**DuPont Agricultural
 Products**

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



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.352-100

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 1/2 oz/A of either SYNCHRONY® STS herbicide, SYNCHRONY® STS SP herbicide, SYNCHRONY® STS DF herbicide, plus 1/8 oz/A 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 1/2 oz/A of SYNCHRONY® STS herbicide, SYNCHRONY® STS SP herbicide, SYNCHRONY® STS DF herbicide, plus 1/8 oz/A Classic Herbicide may be applied any time after the first trifoliate 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.

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.

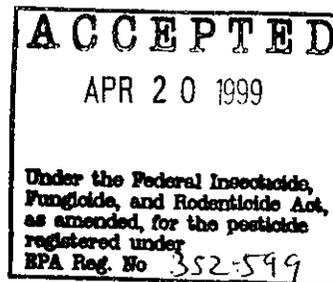
¹ Trademark of BASF AG.

² Trademark of Valent USA Corp.

³ Trademark of Zeneca Ag Products

D-021799

(Replaces H-62927)



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Suppression of Dandelion, Perennial Sowthistle, and Pokeweed In STS Soybeans)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

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SUPPLEMENTAL LABELING



DuPont Agricultural Products

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



SYNCHRONY® STS® HERBICIDE FOR SUPPRESSION OF VARIOUS WEEDS IN STS® SOYBEANS

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352- L00

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 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

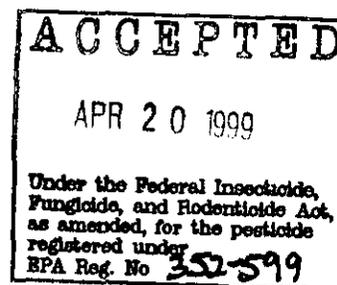
BEFORE USING SYNCHRONY STS HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.

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 herbicide is permitted under claim 24 of U.S. Patent 5,084,082.

D-021799



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
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TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mixes with Blazer or Reflex 2LC)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)



DuPont Agricultural
Products



SYNCHRONY® STS® HERBICIDE
WITH BLAZER® HERBICIDE OR
REFLEX® 2LC HERBICIDE
IN STS® SOYBEANS

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352- L 0 0

TANK MIX OF SYNCHRONY® STS® 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 Herbicide may be tank mixed with "Blazer" or "Reflex" 2LC for control of broadleaf weeds not controlled by SYNCHRONY® STS 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 at a rate of one 2.0 ounce Soluble Pack per 4 acres (0.50 ounce per acre). Refer to the SYNCHRONY® STS 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 at a rate of one 2.0 ounce Soluble Pack per 4 acres (0.50 ounce per acre). Refer to the SYNCHRONY® STS 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 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 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 Soluble Packs. Continue agitation.
3. Allow the SYNCHRONY® STS Soluble Packs 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 "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 + "Blazer" or "Reflex" 2LC 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.

- SYNCHRONY® STS + "Blazer" or "Reflex" 2LC 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 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 + "Blazer" if rain is expected within one hour of application.
- Do not apply SYNCHRONY® STS + "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, "Blazer", or "Reflex" 2LC.
- Do not apply SYNCHRONY® STS + "Blazer" within 60 days of harvest.
- "Reflex" 2LC must be applied before soybeans bloom. Do not apply SYNCHRONY® STS within 60 days of harvest.

- Read and follow the SYNCHRONY® STS, "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" HERBICIDE, BLAZER HERBICIDE, AND REFLEX 2LC HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.

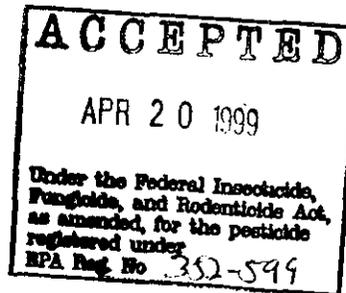
This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

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

¹ Registered trademark of BASF AG

² Registered trademark of a Zeneca Group Company

Use of this quantity of purchased SYNCHRONY® STS¹ Herbicide is permitted under claim 24 of U.S. Patent 5,084,082.



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mixes with Roundup Ultra or Touchdown for Burndown In Soybean Systems)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

230433



**DuPont Agricultural
Products**

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SUPPLEMENTAL LABELING

**SYNCHRONY® STS® HERBICIDE
SYNCHRONY STS TANKMIXES
FOR BURNDOWN LIMITED RESIDUAL
CONTROL**

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352-LOO

**SYNCHRONY® STS® TANKMIXES WITH ROUNDUP® ULTRA OR TOUCHDOWN®
FOR BURNDOWN AND LIMITED RESIDUAL CONTROL IN SOYBEAN
PRODUCTION SYSTEMS**

A tankmix for SYNCHRONY® STS® at 0.5 oz/A plus Roundup Ultra at 1 to 3 pints/A or plus Touchdown at 0.5 to 2 pints/A may be applied according to the instructions in this Supplemental label. This program may be used in soybean production in the states of AL ("Black Belt" soil pH must be less than 7.0.), AR, FL, GA, KY, LA, MO Bootheel, MS ("Black Belt" soil pH must be less than 7.0.), NC, SC, TN, TX (Fields east of Route 183.), VA, and WV.

Application Timing

SYNCHRONY® STS® tank-mixed with Roundup Ultra or Touchdown can be applied up to 30 days before planting soybeans, at-planting or immediately after planting but prior to soybean emergence.

Application Equipment and Spray Volumes

Apply uniformly by ground equipment using a properly calibrated fixed boom sprayer. Use 10-40 gallons of spray volume per acre at 20-40 psi. For burndown applications of existing vegetation, flat fan nozzles and a minimum of 20 gallons per acre are recommended, so as to thoroughly wet the foliage to be burned down.

WEEDS CONTROLLED

Burndown control of existing winter and summer annuals

SYNCHRONY® STS® tank-mixed with Roundup Ultra or Touchdown applied prior to planting will provide burndown control of most winter and summer annual broadleaf and grass weeds. Consult the SYNCHRONY® STS®, Roundup Ultra, and/or Touchdown Specimen labels for specific use instructions including all weeds controlled or suppressed, the suggested use rates, maximum weed size at application, restrictions, limitations, and precautions. The addition of SYNCHRONY® STS® to Roundup Ultra or Touchdown will increase the burndown control of the following weeds versus Roundup Ultra or Touchdown applied alone:

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® + Roundup Ultra or Touchdown tankmixes, read and carefully observe the cautionary statements and all other information appearing on the SYNCHRONY® STS®, Roundup Ultra, or Touchdown EPA-registered package labels.

Application Rate and Adjuvants

SYNCHRONY® STS® applied at 0.5 oz/A tank-mixed with 1 to 3 pints/A Roundup Ultra or 0.5 to 2 pints/A Touchdown is recommended for burndown of existing summer and winter annual weeds and limited residual control of certain summer annual broadleaf weeds.

- Always include 0.25% non-ionic surfactant .
- The addition of 1 to 2 percent dry Ammonium Sulfate by weight or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this tank-mix.

- | | |
|--------------------------|-----------------|
| Curly Dock | Henbit |
| Common Dandelion | Hemp Sesbania |
| Annual Morningglory Spp. | Ragweed, Common |
| Ragweed, Giant | Sicklepod |
| Smartweeds, annual | Velvetleaf |
| Yellow Nutsedge | |

For product information call 1-888-6-DUPONT

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In addition, SYNCHRONY® STS® will provide control of the following weeds not currently on the Roundup Ultra label:

- Beggarticks (Bidens sp.)
- Cowpea
- Florida Beggarweed
- Wild Poinsettia
- Brisly Starbur

For enhanced burndown control, 1 pint of 2,4-D LVE (0.5 lbs a.e./A) may be added up to 7 days prior to planting.

Preemergence

When used according to this label, SYNCHRONY® STS® at 0.5 oz/A can provide limited preemergence control of the weeds listed below to contribute to a clean seedbed at planting. For season-long control, a planned PRE or POST sequential program is required.

Jimsonweed	Pigweeds
Lambsquarter	(redroot, smooth, palmer)
Marestail	Smartweeds, annual
Nutsedge, Yellow	Ragweeds

Due to heavy weed pressure, delayed planting, or adverse environmental conditions, additional burndown control measures may be required at planting.

For Season-long Grass and Broadleaf Control

SYNCHRONY® STS® at 0.5 oz/A tankmixed with Roundup Ultra or Touchdown will not provide season-long control of annual grasses or broadleaf weeds.

For season long control consider a planned approach including a soil-applied residual product like Canopy² or Canopy XL² at planting followed, as needed, by postemergence herbicides such as Classic®, Assure® II, or in Roundup Ready¹ soybeans by Roundup Ultra or a tank mix of Roundup Ultra plus Classic Herbicides.

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

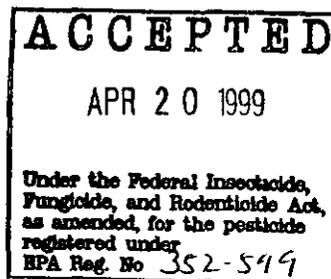
BEFORE USING SYNCHRONY STS HERBICIDE, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE SYNCHRONY STS SPECIMEN LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on the package label. Follow the instructions carefully. Refer to the Rotational Crop Guidelines on the SYNCHRONY® STS® package labels for re-cropping information. This labeling must be in possession of the user at the time of pesticide application.

¹ Trademark of Monsanto Agricultural Products Co.

² Trademark of Zeneca Inc.

D-022399



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mix with First Rate)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

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DuPont Agricultural Products

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



SUPPLEMENTAL LABELING

SYNCHRONY® STS® HERBICIDE

Tankmixes with FirstRate¹ for Improved Ragweed and Cocklebur Control

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352-L00

TANKMIXES WITH FIRSTRATE¹ 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® labels for other weeds controlled by SYNCHRONY® STS® herbicide and for the states in which 0.5 oz SYNCHRONY® STS® 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.

For product information call 1-888-6-DUPONT

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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.

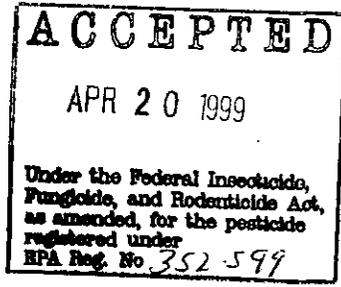
IMPORTANT – BEFORE USING SYNCHRONY STS AND FIRSTRATE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.

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

D-022399



For product information call 1-888-6-DUPONT
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mix with Authority)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

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SUPPLEMENTAL LABELING

DuPont Agricultural Products



SYNCHRONY® STS® HERBICIDE

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

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352-LOO

SYNCHRONY® STS® APPLIED AT 0.25 OZ/ACRE POSTEMERGENCE IN SOYBEANS OR FOLLOWING AN APPLICATION OF 4.0 to 5.3 OZ/ACRE AUTHORITY¹ 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).

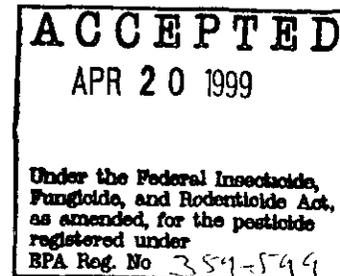
Ammonium nitrogen fertilizer: Use a high quality, liquid nitrogen fertilizer such as:

- 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.



For product information call 1-888-6-DUPONT

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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 Firstrate² 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® 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.

¹ Trademark of FMC Corp.

² Trademark of Dow AgroSciences.

D-022399

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Connie Happersett
E.I. DuPont De Nemours & Company
Agricultural Products
P.O. Box 80038
Wilmington, DE 19880-0038

Dear Ms. Happersett:

Subject: DuPont Synchrony STS Herbicide (Tank Mix with Flexstar 1.88)
EPA Registration No. 352-599
Your Application Dated February 20, 1999

The labeling referred to above, submitted in connection with connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you add the phrase "EPA Registration No. 352-599" to your label. Please submit three (3) copies of your final printed labeling for the files. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)



DuPont Agricultural Products

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SYNCHRONY® STS® HERBICIDE TANKMIXES WITH FLEXSTAR¹

SYNCHRONY® STS® HERBICIDE

EPA Reg. No. 352-1.00

TANKMIXES WITH FLEXSTAR¹ 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.

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.

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

For product information call 1-888-6-DUPONT

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- SYNCHRONY® STS® plus Flexstar 1.88 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® 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® STS®, 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 Zeneca, Inc.

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