



# DuPont Agricultural Products

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



PM 25 352-574 P9182  
SUPPLEMENTAL LABELING

REC'D BY: PP/DPD  
97 JAN 21  
SYNCHRONY® STS®  
SYNCHRONY® STS® SP,  
SYNCHRONY® STS® DF  
TANK MIX WITH "PURSUIT"  
HERBICIDE FOR CONTROL  
OF NIGHTSHADE

## SYNCHRONY STS

EPA Reg. No. 352-568

## 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, or "Synchrony" STS SP, at the rate of 1 pack per 4 acres, 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 postemerge control of the weeds listed on the "Synchrony" 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:** Postemerge 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 non-ionic 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" HC™, crop oil concentrates, or methylated seed oil products such as "Sun-It" II™ 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.

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**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 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.**

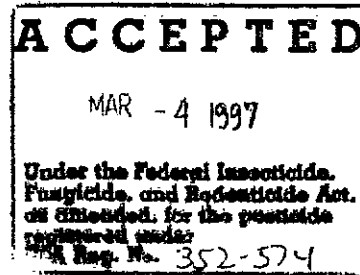
This bulletin contains new or supplemental instructions for use of these products which do not appear on the EPA-registered package labels. Follow the instructions carefully.

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

<sup>1</sup> Registered trademark of American Cyanamid Company

<sup>2</sup> Registered trademark of BASF AG.

<sup>3</sup> Registered trademark of Agsco, Inc.



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