

55260-6

3/10/2003

Reg. File  
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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

55260-6

Date of Issuance:

MAR 10 2003

Term of Issuance:

Conditional

Name of Pesticide Product:

Syllit Flow Fungicide

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chimac-Agriphar S.A.  
C/o Ceres International LLC  
1087 Heartsease Drive  
West Chester, PA 19382

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following labeling change before you release the product for shipment:

A. Add the phrase "EPA Registration Number 55260-6".

B. Change "waterproof gloves" in the Precautionary Hazard's PPE section and in the Agricultural Use Requirement's box to read "chemical resistant gloves made of waterproof material".

C. Move the statement "It is a violation of Federal law to use this product in a manner inconsistent with its labeling" so that it appears immediately below the heading "Directions for Use".

Signature of Approving Official:

Mary L. Waller, Product Manager (21)  
Fungicide Branch, Registration Division

Date:

3/10/03

## EPA Registration Notice 55260-6

D. In the Directions for Use, under the General Use Precautions, delete the third sentence, "Do not graze cover crops in. . .", and add the following sentence "Do not graze livestock in treated orchards or treated groves". This sentence must appear immediately under the sentence "Do not apply this product through any type of irrigation system".

E. Move the Agricultural Use Requirement box and the Storage and Disposal box so that they appear above the General Use Precaution's section.

F. Under the Directions for Use for apples, revise the sentence "Syllit Flow treated apples should not be used in the manufacture of apple pomace. . ." to read "Syllit Flow treated apples must not be used in the manufacture of apple. . .".

G. In the Directions for Use for pecans and black walnuts, delete the sentence "Do not graze meat or dairy animals in treated groves."

3. Submit one copy of the final printed label before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,



Mary L. Waller  
Product Manager 21  
Fungicide Branch  
Registration Division (7505C)

Enclosure

# Syllit® Flow FUNGICIDE

FOR CONTROL OF CERTAIN DISEASES OF APPLES, CHERRIES, PEACHES, PEARS  
PECANS, STRAWBERRIES AND WALNUTS.

## ACTIVE INGREDIENT:

Dodine (n-dodecylguanidine acetate)

## INERT INGREDIENTS:

## TOTAL:

\*Equivalent to 3.4 pounds Dodine per gallon

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

MAR 10 2003

39.6%\*

60.4%

100.0%

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

55260-6

EPA Reg. No. 55260-x

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

## FIRST AID

**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and shoes. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

## HOT LINE NUMBER

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-228-5635

For PRODUCT USE Information Call Collect 612-851-8180 Ext. 136

"Have the product container or label with you when calling a poison control center or doctor, or going to treatment."

## NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the usage of gastric lavage.

## **PRECAUTIONARY STATEMENTS**

### **DANGER**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Corrosive. Causes irreversible eye damage. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin or clothing. Wear protective eyewear (goggles, face shield, or safety glasses) when handling. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

#### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, socks, shoes, protective eyewear, chemical-resistant headgear for overhead exposure, chemical-resistant apron when mixing or loading. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning /maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **User Safety Recommendations**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water when disposing of equipment wash waters. Do not apply when weather conditions favor drift from areas treated.

#### **DIRECTIONS FOR USE**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

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

#### **GENERAL USE PRECAUTIONS**

Do not apply this product through any type of irrigation system.

Consult your state experiment station or state extension service for proper timing of sprays. Do not graze cover crops in treated orchards.

#### **RESISTANCE MANAGEMENT**

It is known that certain plant pathogens might develop resistance to products used repeatedly for disease control. For good resistance management practices, it is recommended to follow the specific use directions on the label. It is essential to alternate SYLLIT FLOW with other labeled fungicides that have a different mode of action. This management program will prevent the buildup of resistance and will ensure that SYLLIT FLOW Fungicide can be maintained as a valuable fungicide. Where resistance to SYLLIT FLOW is known or suspected, use an alternate fungicide for control of the disease.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is coveralls over long-sleeved shirt and long pants, waterproof gloves, chemical resistant footwear plus socks, chemical resistant head-gear for overhead exposure, and protective eyewear.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Keep container tightly closed when not in use.

**PESTICIDE STORAGE INSTRUCTIONS:** Do not store in or around the home. Storage should be under lock and key and secure from access by unauthorized persons, children and animals. Do not use or store near heat, open flame or hot surfaces. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Carefully open containers. After partial use, replace lid and keep container tightly sealed. Avoid contamination with acids and alkalies. Store in original containers only.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Empty containers must be triple rinsed into the spray tank during the spray operation. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### DILUTE AND CONCENTRATE SPRAYS

SYLLIT FLOW may be used effectively in dilute and concentrate sprays when applied properly to deliver the recommended rate (pints per acre). Trees must be covered uniformly. Fruit and foliage should not be excessively drenched with dilute sprays. Avoid heavy deposits when using concentrate sprays.

### INSTRUCTIONS FOR MIXING

Syllit Flow should be added directly to the spray tank when half filled with water. Keep agitator running during filling and spraying.

### COMPATIBILITY

Experience indicates that SYLLIT FLOW can be used effectively at recommended dosages with most of the commonly used fungicides, insecticides and acaricides such as:

azinphosmethyl	ferbam
carbaryl	malathion
chlorbenside	phosmet
diazinon	phosphamidon
dicofol	propargite
dimethoate	ryania
dinocap	sulfur
endosulfan	

While SYLLIT FLOW has been used satisfactorily with emulsifiable concentrate formulations and flowable (water-based) emulsions, it is desirable to check the compatibility of this type combination before materials are mixed in the spray tank. SYLLIT FLOW is not compatible with chlorobenzilates, Bordeaux mixtures, fixed copper, lime or lime sulfur. Observe all cautions and limitations on labeling of all products used in mixtures. Follow the most restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

## **SYLLIT FLOW AND OIL**

Tank-mix combinations of SYLLIT FLOW and oils of 60-75 viscosity have been used effectively as a delayed dormant application on apples. Oils of the slow-breaking type are suggested for tank mixing with SYLLIT FLOW. Liquid concentrate or flowable (water-based) emulsion formulations of the phosphate insecticides have been used satisfactorily in SYLLIT FLOW oil systems. Wettable powder formulations of azinphosmethyl, carbophenothion and certain other insecticides have appeared suitable in limited trials. SYLLIT FLOW oil mixtures are not compatible with wettable powder malathion, carbaryl, ferbam and sulfurs.

Because uniform dispersibility and sprayability may be influenced by the particular oil or phosphate insecticide formulation used or by the local water supply, it is recommended that compatibility be determined before adding pesticides to the spray tank.

## **PROCEDURES FOR TANK MIXING SYLLIT FLOW WITH INSECTICIDES AND OIL**

1. SYLLIT FLOW should be added to the tank when 1/4 to 1/2 full with water and allowed to mix thoroughly.
2. If insecticide is used, add as tank is filling.
3. Add self-emulsifying oil last when tank is nearly 3/4 full.

Consult your state agricultural experiment station or state extension service for information on self-emulsifying oils and pesticide formulations for tank mixing with SYLLIT FLOW.

## **APPLE: Scab - Protection Schedule**

**Ground Application:** Use 1.5 to 3 pints per acre of SYLLIT FLOW at 5 to 7 day intervals or as needed to maintain scab control prebloom through the first cover applications. Use 1.5 pint per acre of SYLLIT FLOW in subsequent cover sprays as needed.

SYLLIT FLOW may be used in a delayed dormant oil schedule. Use 1.5 to 3 pints of SYLLIT FLOW with 8 gallons of oil of 60-75 viscosity per acre. For mixing instructions, refer to SYLLIT FLOW and OIL section on the label.

**Air Application:** Use 2.4 pints of SYLLIT FLOW per acre in 5 to 7 gallons of spray at 5 to 7 day intervals or as needed to maintain scab control from pre-bloom through the first cover sprays. Repeat application in subsequent cover sprays as needed.

## **Apple Scab- "After-Infection" Schedule**

After an infection period has occurred, use 4.5 pints per acre of SYLLIT FLOW during or following a rain from pre-bloom through first cover applications and, in later cover sprays, as needed. While timing of the spray may vary considerably depending upon temperatures, it is recommended that application be made within 36 hours, from the beginning of the rain or wet period which caused the infection.

Do not apply within 7 days of harvest.

Wettable sulfur can be used in combination with SYLLIT FLOW for control of powdery mildew on apples. Consult your state extension service for proper rates and timing of sprays.

SYLLIT FLOW treated apples should not be used in the manufacture of apple pomace for use in livestock feeds. Such use may result in illegal residues in milk or meat.

Fruit color and finish on most apple varieties sprayed with SYLLIT FLOW at recommended dosages have frequently been outstanding.

SYLLIT FLOW may cause russetting of Golden Delicious and Grimes Golden apple varieties if applied during cool, slow drying weather conditions. Do not use on these varieties under these conditions.

Freezing or near-freezing temperatures, particularly when accompanied by slow-drying conditions may injure apple fruit or predispose the fruit to chemical injury. Do not exceed 3 pints of SYLLIT FLOW per acre immediately before, during or immediately after occurrence of such conditions.

**CHERRY (SOUR AND SWEET): Leaf Spot** - Use 1.5 to 3 pints of SYLLIT FLOW per acre at petal fall or when first leaves unfold. Repeat application thereafter at 7 to 10 day intervals. If conditions favor leaf spot, continue applications through harvest.

**Post-Harvest Sprays:** Apply 1.5 to 3 pints of SYLLIT FLOW per acre immediately after harvest and as needed.

**Blossom Brown Rot (Western States Only):** Use 3 pints of SYLLIT FLOW per acre at the time petals begin to open. Repeat application at full bloom and again at petal fall.

Wettable sulfur can be used in combination with SYLLIT FLOW for control of powdery mildew on cherries. Consult your state extension service for proper rates and timing of sprays.

Applications of SYLLIT FLOW to cherries when temperatures and humidity are excessively high may cause spotting to foliage or fruit.

**PEACH: Bacterial Spot** - Under light to moderate disease conditions, use 3 pints of SYLLIT FLOW and 4 lbs. captan (50%) per acre (use 0.8 pint SYLLIT FLOW and 1 lb. captan (50%) per 100 gallons of spray) at shuck-split and repeat application at 7 to 10 day intervals through the cover sprays. Shorten intervals during wet periods as needed to maintain maximum protection against infection.

Do not use concentrate sprays higher than 3x.

Do not apply within 15 days of harvest.

Captan or the DODINE-captan mixture is toxic to fish. Do not contaminate any body of water.

Limited experience indicates that wettable powder formulations of azinphosmethyl, dicofol, tetradifon, and endosulfan are compatible with the mixture. Do not combine SYLLIT FLOW and captan with solvent formulations of insecticides or sulfur. Spray injury may result if the combination is applied with, immediately before, or closely after an oil or zinc sulfate-lime spray.

**PEACH: Leaf Curl (Western States Only)** - Use 6 pints of SYLLIT FLOW per acre just before buds swell in the spring. If leaf curl was moderate to severe the previous season, use 6 pints SYLLIT FLOW per acre 1 month before buds swell in the spring and again just prior to bud swelling.

**Blossom Brown Rot (Western States Only)** - Use 3 pints of SYLLIT FLOW at the time petals begin to open. Repeat applications at full bloom and again at petal fall.

Do not apply after petal fall.

**PEAR: Scab (Western States Only)** Use 4.5 pints of SYLLIT FLOW per acre of spray at 5 to 7 day intervals or as needed to maintain scab control from prebloom through petal fall and again in first cover. Use 3 to 4.5 pints of SYLLIT FLOW in subsequent sprays as needed.

Do not make more than six applications per season. A maximum of two applications may be made in the final two months prior to harvest: one made no later than 14 days prior to harvest and the final application made no later than 7 days prior to harvest.

**(Air Application - Oregon Only)** - Use 3 to 4.5 pints of SYLLIT FLOW per acre in 5 to 7 day intervals or as needed to maintain scab control from pre-bloom through the first cover sprays. Repeat application in subsequent cover sprays as needed.

Do not make more than six applications per season. A maximum of two applications may be made in the final two months prior to harvest: one made no later than 14 days prior to harvest and the final application made no later than 7 days prior to harvest.

**PECANS: Scab, liver spot, brown leaf spot, downy leaf spot, leaf blotch, downy mildew - (Ground Application)** - Use 3 to 6 pints of SYLLIT FLOW per acre of spray. Begin applications when first leaves are showing and repeat at 10 to 14 day intervals through first cover. Repeat applications at 2 to 3 week intervals or as needed to maintain disease control.

**(Air Application)-** Use 3 pints of SYLLIT FLOW per acre in a minimum of 20 gallons of spray. Begin applications when first leaves are showing and repeat at 10 to 14 day intervals through first cover. Repeat application at 2 to 3 week intervals or as needed to maintain disease control. Under severe scab conditions, use 6 pints of SYLLIT FLOW per acre in a minimum of 20 gallons of spray.

Do not apply after shucks have started to open.

Do not graze meat or dairy animals in treated groves.

SYLLIT FLOW has been used effectively on most pecan varieties. Severe foliage injury has been experienced on Barton, Moore, Shawnee and Van Deman in the Southeast.

**STRAWBERRY: Leaf Scorch, Leaf Spot and Leaf Blight** - Use 2.4 to 3 pints of SYLLIT FLOW per acre in sufficient water (250 - 300 gallons) for thorough plant coverage. Make first application as soon as new growth starts and repeat sprays at weekly intervals. Do not apply within 14 days of harvest.

**BLACK WALNUT: Anthracnose (Leaf Blight)** - Use 6 pints of SYLLIT FLOW per acre when first leaves unfold. Repeat application at 10 to 14 day intervals. Do not graze meat or dairy animals in treated groves.

### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chimac-Agriphar. All such risks shall be assumed by the user or buyer.

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SYLLIT FLOW Fruit Fungicide (MASTER) submitted 8/14/01, resubmitted 03/05/03