

100-969

09/06/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
Ariel Rios Building  
1200 Pennsylvania Ave. NW  
Washington, D.C. 20460

EPA Reg. Number:  
100-969

Date of Issuance:  
SEP 6 2002

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Scholar Fungicide

**NOTICE OF PESTICIDE:**

**Registration**  
 **Reregistration**  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, NC 27419-8300

**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)(B) provided that you:

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

2. Make the following changes:

a. Change the EPA Registration Number to 100-969.

b. Under Precautionary Statements change the sentence "Applicators and other handlers of the fungicide during mixing and preparation of the fungicide mixture must wear:" to "Applicators and other handlers of the fungicide must wear:"

c. Under Precautionary Statements replace "Waterproof gloves" with "Chemical-resistant gloves made from any waterproof material."

(Continued)

Signature of Approving Official:

*Mary L. Waller*

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

Date:

*9/6/02*

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Continued from first page.

d. In Directions for Use, under "Cherries as well as other cultivars and hybrids of these:" delete "Low Volume (Concentrate) Application: Mix 8 - 16 oz of Scholar in 7 - 25 gallons of water, wax/emulsion, or aqueous dilution of wax/oil emulsion for the crop being treated. Apply to 25,000 lbs of fruit. Use a control droplet-type application or similar system."

3. Submit one (1) copy of the revised final printed label before you release the product 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. If you have any questions, contact Lisa Jones of my staff at (703) 308-9424 or at [jones.lisa@epa.gov](mailto:jones.lisa@epa.gov).

Sincerely,



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

Enclosures: Stamped copy of label

DRAFT  
BOOKLET LABEL

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
SEP 6 2002**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-969**

**Scholar™  
Fungicide**

For Control of Certain Post-Harvest Diseases of Stone Fruits

Active Ingredient:	
Fludioxonil (CAS No. 131341-86-1)	50.0%
Other Ingredients:	50.0%
Total:	100.0%

**Bags**

Scholar is a 50% wettable powder.

\_\_\_ oz. Bag  
Net Weight

or

**Water Soluble Packets**

Scholar is a 50% wettable powder packaged in a container with \_\_\_ x 1 oz. water-soluble packets.

This outer protective container contains Scholar in eight or sixteen inner water-soluble packets. These inner packets dissolve in water, allowing contents to wet. After opening outer container, immediately dump the required number of unopened inner packets into the partially filled sprayer or mix tank. Do not handle the soluble packets or expose them to moisture, since this may cause rupturing.

Do not offer individual packets for sale

\_\_\_ x 1 ounce  
Water Soluble Packets

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-XXXX

EPA Est. 67545-AZ-1

SCP XXXX

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p><b>HOT LINE NUMBER</b>            For 24 Hour Medical Emergency Assistance (Human or Animal)            or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident),            Call  <b>1-800-888-8372</b></p>	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing.

**Personal Protective Equipment (PPE)**

**Applicators and other handlers of the fungicide during mixing and preparation of the fungicide mixture must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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.

**Environmental Hazards**

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsates.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of Sale and Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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## DIRECTIONS FOR USE

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

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL.**

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### STORAGE AND DISPOSAL

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Do not contaminate water, food, or feed by storage or disposal, or cleaning of equipment.

#### **Storage**

Store in a cool, dry place. Do not store this product under wet conditions. Handle outer container carefully to avoid breakage of inner water-soluble packets.

#### **Pesticide Disposal**

Improper disposal of unused 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 of the nearest EPA Regional Office for guidance.

#### **Container Disposal**

Do not reuse outer container. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or alternatives allowed by State and local authorities.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.



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**GENERAL INFORMATION**

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Scholar is a protective fungicide used to aid in the control of several post harvest diseases. A disease management program that includes alternation or tank mixes between Scholar and other labeled fungicides that have a different mode of action may prevent pathogen populations from developing resistance. Sanitation and other cultural practices to minimize disease are also recommended to aid in control as well as to assist in preventing/delaying resistance development.

**NOTE:** Scholar may be degraded by exposure to direct sunlight. Treated fruit should not be stored in direct sunlight.

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**MIXING PROCEDURES**

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Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use.

To determine the physical compatibility of Scholar with other products, use a jar test as described below.

**Jar Compatibility Test:** Using a quart jar, add the proportionate amounts of the products to 1 qt. of water or wax/oil emulsion. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

If using Scholar in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. **Tank mixtures are permitted only in those states where the tank mix partner is registered.**

THE CROP SAFETY OF ALL POTENTIAL TANK MIXES INCLUDING ADDITIVES AND OTHER PESTICIDES ON ALL CROPS HAS NOT BEEN TESTED. BEFORE APPLYING ANY TANK MIXTURE, THE SAFETY TO THE TARGET CROP SHOULD BE CONFIRMED.

**Bags**

Add 1/2 of the required amount of water or wax/oil emulsion (or aqueous dilution of a wax/oil emulsion) to the spray or mixing tank. With the agitator running, open the bag and add the Scholar to the tank. Continue agitation while adding the remainder of the carrier. Begin application of the solution after the Scholar has completely and uniformly dispersed into the mix carrier. Maintain agitation until all of the mixture has been applied.

If tank-mixing, add the desired amount of other products recommended for tank mixture after Scholar has completely and uniformly dispersed into the mix carrier. In general, tank mix partners should be added in this order: wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied. Maintain agitation until all of the mixture has been applied.

**Water-soluble Packets**

Add 1/3 of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of unopened soluble packets of Scholar into the tank all at once. Continue agitation while adding the remainder of the water. Allow the packets of Scholar to dissolve and the product to completely disperse into the mix water. Then add the desired amount of other products recommended for tank mixture and allow them to become completely dispersed. In general, tank mix partners should be added in this order: wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied.

*Precaution: Water-soluble packets of Scholar and any other products packaged in water-soluble film must be completely dissolved and dispersed in water before any other tank mix partner, are added to the spray solution. Other than when preparing the solution, do not handle water soluble packets or expose them to moisture since this may cause rupturing.*

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**CROP USE DIRECTIONS**

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**STONE FRUIT (INCLUDING APRICOTS, PEACHES, NECTARINES, PLUMS, CHERRIES, PLUMCOT, PRUNE (FRESH) AS WELL AS OTHER CULTIVARS AND HYBRIDS OF THESE)**

Use Scholar for the control of certain post-harvest diseases caused by *Monilinia* spp. (brown rot), *Botrytis cinerea* (gray mold), *Rhizopus stolonifera* (Rhizopus rot), and *Gilbertella persicaria* (Gilbertella rot).

**Restrictions:** Do not make more than one post-harvest application to the fruit.

**NOTE:** Scholar may be degraded by exposure to direct sunlight. Treated fruit should not be stored in direct sunlight.

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**Apricots, Peaches, Plums, Nectarines, Plumcot, Prune (Fresh) as well as other cultivars and hybrids of these:**

High Volume (Dilute) Application: Mix 8-16 oz. Scholar in 25-100 gal. of an appropriate water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion for the crop being treated. Apply to 200,000 lbs. of fruit. Use T-Jet or similar application system.

Low Volume (Concentrate) Application: Mix 8-16 oz. of Scholar in 7-25 gallons of water, wax/emulsion, or aqueous dilution of wax/oil emulsion for the crop being treated. Apply to 200,000 lbs. of fruit. Use a control droplet-type application or similar system. **For maximum efficacy, use low volume concentrate application systems for treatment of plums**

Dip Application for Peach: Mix 8-16 oz of Scholar in 100 gallons of water, wax/emulsion, or aqueous dilution of wax/oil emulsion. Dip for approximately 30 seconds and allow fruit to drain. Treat fruit only once. Dip solution should be replaced with fresh dip solution after 200,000 pounds of fruit has been treated.

**Cherries as well as other cultivars and hybrids of these:**

High Volume (Dilute) Application: Mix 8-16 oz. product in 25-100 gal. of an appropriate water, wax/emulsion, or aqueous dilution of a wax/oil emulsion. Treat 25,000 lbs. of fruit. Use flooders, T-jet, or similar application system.

Low Volume (Concentrate) Application: Mix 8-16 oz. of Scholar in 7-25 gallons of water, wax/emulsion, or aqueous dilution of wax/oil emulsion for the crop being

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treated. Apply to 25,000 lbs. of fruit. Use a control droplet-type application or similar system.

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481.
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Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)

Product of Switzerland  
Formulated in the USA

SCP 100-XXXX

[Z/Q-W/LABELS-W/SYN-SCHOLAR-BKLT-A- ccg - 7/26/01 revising 8/6/02  
Syngentized - rs - 8/7/02, lz revised 8/14/02 and 9/05/02

**BASE LABEL**

**Scholar™  
Fungicide**

For Control of Certain Post-Harvest Diseases of Stone Fruits

Active Ingredient:	
Fludioxonil (CAS No. 131341-86-1) .....	50.0%
Other Ingredients:	50.0%
Total:	100.0%

**Bags**

Scholar is a 50% wettable powder .

\_\_ oz. Bag  
Net Weight

or

**Water Soluble Packets**

Scholar is a 50% wettable powder packaged in a container with \_\_ x 1 oz. water-soluble packets.

This outer protective container contains Scholar in eight or sixteen inner water-soluble packets. These inner packets dissolve in water, allowing contents to wet. After opening outer container, immediately dump the required number of unopened inner packets into the partially filled sprayer or mix tank. Do not handle the soluble packets or expose them to moisture, since this may cause rupturing.

Do not offer individual packets for sale

\_\_ x 1 ounce  
Water Soluble Packets

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-XXXX  
EPA Est. 67545-AZ-1

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing.

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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**Environmental Hazards**

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsates.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

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Greensboro, North Carolina 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)

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SCP XXXX

[Z/Q-W/LABELS-W/SYN-SCHOLAR-BKLT-A] – ccg – 7/18/01    revising 8/6/02  
Syngentized – rs – 8/7/02    lz revised 8/14/02 and 9/05/02