

100-966

07/20/2000

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

100-966

Date of Issuance:

JUL 20 2000

NOTICE OF PESTICIDE:  
  x   Registration  
      Reregistration

(under FIFRA, as amended)

Term of Issuance:

conditional

Name of Pesticide Product:

STRATEGO FUNGICIDE

Name and Address of Registrant (include ZIP Code):

Novartis Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, NC 27419

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 under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes and submit the data listed below before you release the product for shipment:
  - a. Add the phrase, "EPA Registration No. 100-966"
  - b. Submit a new wheat metabolism study for trifloxystrobin. (Continued)

Signature of Approving Official:

*(S)*

Date:

JUL 20 2000

Daniel C. Kenny, Acting Product Manager 22

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3. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the product is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

4. Submit one (1) copy of your final printed labeling before you release the product for shipment.

This information should be submitted to:

U.S. Environmental Protection Agency  
Office of Pesticide Programs (H7504C)  
Document Processing Desk (RSB)  
1200 Pennsylvania Ave. N.W.  
Washington, DC 20460

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

Highlighted 3/16

7/12/00

Stratego™

FUNGICIDE

For control of certain diseases in peanuts and wheat

Active Ingredient:

Propiconazole (CAS No. 60207-90-1)	11.4%
Trifloxystrobin (CAS No. 141517-21-7)	11.4%
Other Ingredients:	77.2%
Total:	100.0%

2.5 GALLONS

U. S. Standard Measure

EPA Reg. No. 100-966 *11 per pint a.*

EPA Est. 67545-AZ-1

Product ID.

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING/AVISO**

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.)

See additional precautionary statements and directions for use inside booklet.

NCP 966A-L1A 0700

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
JUL 20 2000**

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

100-966

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**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

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**CONDITIONS OF SALE AND WARRANTY**

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The **Directions for Use** of this product reflect the opinion of experts based on laboratory and field trials. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Novartis.

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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.

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 regulation.

**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) and restricted-entry interval. 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 24 hours.

→ per phone conversation

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
- Chemical-resistant gloves made of waterproof material
- Socks and chemical-resistant footwear
- Goggles or face shield

per point h. and phone conversation

**FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.**

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## GENERAL INFORMATION

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Stratego is a broad spectrum fungicide for the control of certain diseases in peanuts and wheat. Stratego, containing two fungicides, works both by interfering with respiration in plant pathogenic fungi and blocking fungal growth. Stratego is a potent inhibitor of spore germination and mycelial growth.

**UNDER CERTAIN CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS USE ANOTHER FUNGICIDE REGISTERED FOR THE CROP/DISEASE APPEARING ON THIS LABEL.**

### Resistance Management

The components in Stratego belong to different chemistry classes. Trifloxystrobin belongs to the strobilurin class of chemistry which exhibits no known cross-resistance to other chemical classes including sterol inhibitors, dicarboximides, benzimidazoles, anilinopyrimidines, or phenylamides. Propiconazole belongs to the sterol inhibitor class. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating and/or tank mixing with products having different modes of action; or limiting the total number of applications per season. Novartis Crop Protection encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label.

### Spray Equipment

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. For ground application equipment, a minimum of 10 gals./A is recommended. For aerial application equipment, a minimum of 5 gals./A is recommended.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use.

Use a pump with the capacity to: (1) maintain a minimum of 35 psi at nozzles, and (2) provide sufficient agitation in the tank to keep the mixture in suspension – this requires recirculation of 10% of the tank volume per minute. Use a jet agitator or liquid sparge tube for agitation.

Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be **16-mesh or**

**coarser.** Do not place a screen in the **recirculation line.** Use 50-mesh or coarser screens between the pump and boom, and where required, at nozzles. Check nozzle manufacturer's recommendations.

For information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

### **Mixing Procedures**

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 and apply the rinsate to a previously treated area.

**Additives:** Do not apply Stratego in combination with organosilicate surfactants or crop injury may occur.

**Stratego Alone:** Add 1/2 of the required amount of water to the spray tank and start the agitator. Add the proper amount of Stratego and then add the rest of the water. Begin application of the solution when the Stratego has completely dispersed in the mix water. Maintain agitation until all of the mixture has been applied.

**Stratego + Tank Mixtures:** Add 1/2 of the required amount of water to the spray tank and start the agitator. In general, add tank mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates such as Stratego. Always allow each tank mix partner to become fully dispersed before adding the next product. Continue to provide agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

**Note:** When using Stratego in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Stratego. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Stratego in a tank mixture, observe all directions for use, crop/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, or other applications of prod-

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ucts referenced on this label, are permitted only in those states in which the referenced products are labeled.

Stratego is compatible with most insecticide, fungicide, and foliar nutrient products. However, the physical compatibility of Stratego with tank mix partners should be tested before use. To determine the physical compatibility of Stratego with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. 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.

**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 NOT SPECIFICALLY RECOMMENDED ON THIS LABEL, THE SAFETY TO THE TARGET CROP SHOULD BE CONFIRMED.**

**Aerial Application:** Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Do not apply directly to humans or animals.

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

**Recommendations to Avoid Spray Drift**

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

- (1) Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If nontarget crops are located downwind, use caution when spraying if wind is present. Do not spray if winds are gusty.
- (2) Use caution when conditions are favorable for drift (high temperatures, drought, low relative humidity).
- (3) Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.



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### Wheat

Stratego will provide effective control of wheat rusts (*Puccinia graminus*, *P. recondita*, *P. striiformis*), powdery mildew (*Erysiphe graminis*), leaf blight (*Septoria tritici*), tan spot (*Pyrenophora tritici-repentis*), glume blotch (*Stagnospora nodorum*).

Disease/Rate	Comments
Rusts, Powdery Mildew, Leaf Blight, Tan Spot, Glume Blotch  10 oz./A	Begin applications preventively when conditions are favorable for disease development. A second application (minimum interval of 14 days) may be made if needed.

**Restrictions:** Do not apply more than 2 applications per season. Do not apply Stratego after Feekes growth stage 8 (the ligule of the flag leaf emerges).

Do not apply Stratego within 35 days of harvest.

per point e.

**Grazing Restrictions:** (a) If 2 applications or a total of 20 oz. of Stratego per season are applied, do not allow livestock to graze within the treated area and do not harvest the treated crop for forage or hay. (b) If 1 application or a total of 10 oz. of Stratego per season are applied, do not allow livestock to graze within the treated area within 30 days after application, and do not harvest the treated crop for forage within 30 days after application or for hay within 45 days after application.

per point A.

**Note:** 10 oz./A of Stratego is equivalent to 1.3 oz. of trifloxystrobin per acre.

per point g.

### Rotational Restrictions

Treated areas may be replanted immediately following harvest or as soon as practical following the last application with any crop listed on this label. The following crops may be replanted 30 days after the last application: celery, cereals, corn, pineapple, and sugarcane. For all other crops, a 105 day plant-back interval must be observed.

### STORAGE AND DISPOSAL

#### Storage

Store in a cool, dry place.

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**Pesticide Disposal**

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**Container Disposal**

Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of using one of the following methods: (1) depositing in a sanitary landfill, (2) incineration, or (3) burning, if allowed by state and local ordinances. Stay out of smoke from burning containers.

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. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals**

**WARNING/AVISO**

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing.

**First Aid**

**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 swallowed:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. 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.

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

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**Note to Physician:**

If ingested, induce careful lavage of stomach. Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage. // per point h.

**Personal Protective Equipment**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Goggles or face shield

// per point h.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist 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.

// per point h.

**Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

per point h.



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Container Label

Stratego™

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<b>Total:</b>	<b>100.0%</b>

2.5 GALLONS

U. S. Standard Measure

EPA Reg. No. 100-966 *11 per point a.*

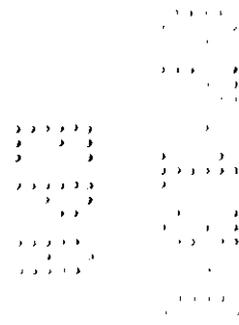
EPA Est. 67545-AZ-1

**KEEP OUT OF REACH OF CHILDREN.**

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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.)

See additional precautionary statements and directions for use in attached booklet.



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**AGRICULTURAL USE REQUIREMENTS**

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**WARNING/AVISO**

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