

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-757) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended).	EPA REGISTRATION NO.	DATE OF ISSUANCE
	100-948	9-20-99
	TERM OF ISSUANCE	
conditional		NAME OF PESTICIDE PRODUCT
		Stratego

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration in no way to be construed as an endorsement or approval of this product by this 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)(C) 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 listed below before you release the product for shipment:
 - a. Add the phrase, "EPA Registration No. 100-948"
 - b. Completion of a successful BEAD validation trial of Method AG-659A;
3. Submit the following data information:
 - a. Novartis (petitioner) incorporating any BEAD comments into its Method AG-659A and supplying EPA with a copy suitable for submission to FDA for the updating of the Pesticide Analytical Method, Volume II;
 - b. Novartis submitting a final report of its on-going freezer storage stability study that supports the established tolerances by October 1, 2001.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: [Signature] DATE: _____

- 2/17
- c. Possible chronic testing with freshwater fish and estuarine/marine organisms pending completion of the review of a daphnia chronic study with degradate CGA-321113 due 2 years from the date of this registration as according to PR Notice 85-5.
 - d. Submit additional aquatic metabolism data to increase the certainty of the estimate for the Aerobic Aquatic Metabolism study (guideline 162-4).
4. 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.

This information should be submitted to:

U.S. Environmental Protection Agency
Office of Pesticide Programs (H7504C)
Document Processing Desk (RSB)
401 M Street SW., CM #2
Washington, DC 20460

5. Submit one (1) copy of your final printed labeling 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 section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

9/15/99

(Label Master Booklet on Larger Chamber)

Stratego™

FUNGICIDE

For control of certain diseases in peanuts.

Twin-Pak

Active Ingredient:	
Trifloxystrobin (CAS No. 141517-21-7)	50.0%
Other Ingredients:	50.0%
Total:	100.0%

18 OUNCES
U. S. Standard Measure

EPA Reg. 100-

EPA Est. 67545-AZ-1

Product ID. 21110

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

Made with products from Switzerland and USA.

NCP 948A-L1A 0399

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

9-20-99

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

100-948
100-948

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.

CONDITIONS OF SALE AND WARRANTY

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.

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.

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
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear

GENERAL INFORMATION

Stratego is a broad spectrum fungicide for the control of certain diseases in peanuts. Stratego, having 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.

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

UNDER CERTAIN CONDITIONS CONDUCTIVE 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.

Insensitivity 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 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 screen 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 nozzles 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.

Stratego Alone: Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the dry granular product from the Stratego Twin-Pak container to the tank. Continue agitation and allow the material to disperse and dissolve completely into the mix water. Then, add the liquid product from the Stratego Twin-Pak container. Continue agitation while adding the remainder of the water. Begin application of the solution after both components of the Stratego Twin-Pak has completely dispersed into 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 mix tank. Start the agitator running before adding any tank mix partners. In general tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as the dry granular product in the Stratego Twin-Pak, liquid flowables, liquids, and emulsifiable concentrates such as the liquid product in the Stratego Twin-Pak. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all 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 products 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 nutrients 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.

Additives: For peanuts, do not apply Stratego in combination with organosilicate surfactants or crop injury may occur.

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 non-target 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 exist. If inversion conditions are suspected, consult with local weather services before making an application.

USE DIRECTIONS

Peanuts

Stratego, when used as a foliar application in a preventive disease control program, will provide effective control of early leaf spot (*Cercospora arachidicola*), late leaf spot (*Cercosporidium personatum*), web blotch (*Phoma arachidicola*) and rust (*Puccinia arachidis*). Suppression of *Rhizoctonia solani* limb rot may be obtained.

Use ENTIRE Contents to Treat	Comments
Leafspots, rust, and web blotch: 10 acres	Begin applications when conditions are favorable for diseases but before infection. Apply on 10-14 day interval.
Limb Rot disease: 5 acres	Apply 2 times - make the first application 56-60 days after planting for suppression of <i>R. solani</i> . Make a second application 30 days later. Will also control leafspot and rust. Continue leafspot and rust applications on a 14 day schedule at rate for foliar diseases.

Restrictions: Do not exceed more than 6 total applications of Stratego per season. Do not apply Stratego within 14 days of harvest. Do not feed green vines to livestock or graze livestock in treated area. Use a maximum of 4 consecutive applications of Stratego within an integrated disease control program.

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.

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.

PRECAUTIONARY STATEMENTS

Propiconazole

Hazards to Humans and Domestic Animals

WARNING

Causes eye irritation. Do not get in eyes, skin, or clothing. Harmful if swallowed, inhaled, or absorbed through skin. Wash thoroughly with soap and water after handling. May cause a skin sensitizing reaction in some people.

First Aid

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if

irritation persists.

If swallowed: Do not induce vomiting. Promptly drink a large quantity of milk, egg whites, or gelatin solution. If these are not available, drink large quantities of water. Never give anything by mouth to an unconscious person. Call physician or Poison Control Center immediately.

If inhaled: Move victim to fresh air.

Note to Physician: There is no specific antidote for this product. If ingested, lavage stomach taking care to avoid aspiration of stomach contents into lungs. Give a saline laxative and supportive therapy.

Trifloxystrobin

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

First Aid

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.

Personal Protection Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate or viton
- Shoes plus socks
- Protective Eyewear

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.

<p>User Safety Recommendations</p> <p>Users should:</p> <ul style="list-style-type: none"> • 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

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.

Ground Water Advisory

Several trifloxystrobin degradates have properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

Stratego™ trademark of Novartis
U.S. Patent No. _____

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Novartis Crop Protection, Inc.
Greensboro, North Carolina 27419

NCP 948A-L1A 0399

[QUARK/STRATEGO/STRATEGO] - ccg - 9/15/99

(Base Label for Larger Chamber)

Stratego™

FUNGICIDE

For control of certain diseases in peanuts.

Twin-Pak

Active Ingredient:	
Trifloxystrobin (CAS No. 141517-21-7)	50.0%
Other Ingredients:	50.0%
Total:	100.0%

18 OUNCES
U. S. Standard Measure

EPA Reg. 100-

EPA Est. 67545-AZ-1

KEEP OUT OF REACH OF CHILDREN.

CAUTION

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

Made with products from Switzerland.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes moderate eye irritation. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

First Aid

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.

Environmental Hazards

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Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

For minor spills, leaks, etc., follow 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.

Stratego™ trademark of Novartis

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Novartis Crop Protection, Inc.
Greensboro, North Carolina 27419

NCP 948A-L1A 0399

Product ID. 21110

[QUARK/STRATEGO/STRATEGO] - ccg - 9/15/99

(Sticker for smaller chamber)

Stratego™

Active Ingredient:

Propiconazole: 1-[(1-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl) methyl]-1H-1,2,4-triazole 41.8%

Other Ingredients: 58.2%

Total: 100.0%

20 FLUID OUNCES
U. S. Standard Measure

KEEP OUT OF REACH OF CHILDREN.

WARNING/ADVISO

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 container booklet for additional directions for use and additional precautionary statements.

NCP 948A-L3A Sticker

[QUARK/STRATEGO/STRATEGO] - ccg - 9/15/99