 United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number Notification
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Application for Pesticide - Section I

1. Company/Product Number 100-949	2. EPA Product Manager Ms. Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Novartis Crop Protection, Inc./Palisade™ EC ? <i>By</i>	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Novartis Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated March 18, 1999
<input type="checkbox"/> Resubmission in response to Agency letter dated February 13, 1997	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
APR 20 1999

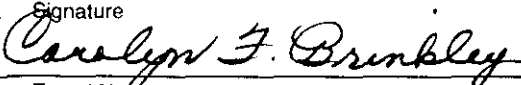
Explanation:

Final printed version of label approved by EPA on 3/18/99.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

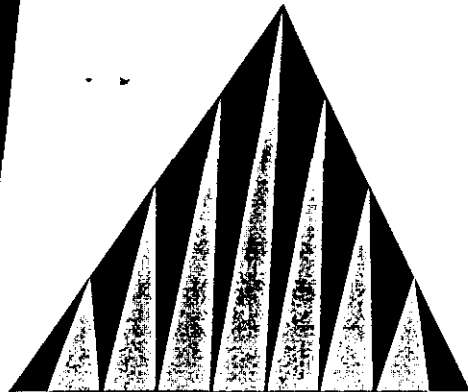
Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Carolyn F. Brinkley	Title Senior Regulatory Manager	Telephone No. (Include Area Code) 910- 632-2838
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Regulatory Manager	
4. Typed Name Carolyn F. Brinkley	5. Date April 9, 1999	

2076

PULL HERE TO OPEN ▶

Palisade™ EC



For growth management
of perennial ryegrass
grown for seed in Idaho,
Oregon, and Washington

**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 some-
one to explain it to you in detail.)

See additional precautionary
statements and directions
for use inside booklet.

<i>Active Ingredient:</i>	
Trinexapac-ethyl (CAS No. 95266-40-3)	12.0%
<hr/>	
<i>Other Ingredients:</i>	88.0%
<hr/>	
<i>Total:</i>	100.0%

Palisade EC is an emulsifiable
concentrate.

EPA Reg. No. 100-949

EPA Est. 1386-OH-1

NCP 949A-L1 0399

2.5 GALLONS
U.S. Standard Measure

 **NOVARTIS**

NOTIFICATION

APR 20 1999

NCP 130-949A-L1

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 field use and tests. 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 treated areas without footwear until sprays have dried. There is no restricted-entry interval (REI) requirement.

Observe all precautions and limitations on this label and on the labels of each product used in tank mixture with this product.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR PERFORMANCE, CROP INJURY, OR ILLEGAL RESIDUES.

GENERAL INFORMATION

For use on perennial ryegrass grown for seed in Idaho, Oregon, and Washington only.

Palisade EC slows the growth of grass stems when the product is applied as directed. This results in:

1. less potential for lodging
2. easier and more efficient seed harvest

Other benefits often seen are:

- potential to increase number of tillers
- improved pollination and seed set
- less straw in the combine
- less trash in harvested seed
- faster combining

Palisade EC is rapidly absorbed by the grass foliage. The product is rain fast an hour after application. The growth regulator effects of Palisade EC do not occur through soil uptake.

NOTICE TO USER: Crop response to Palisade EC is acceptable for perennial ryegrass, but other grass species grown for seed have not been adequately evaluated yet. Neither the manufacturer nor the seller has determined the level of performance or crop tolerance of grass species other than perennial ryegrass grown for seed.

APPLICATION INFORMATION

The activity and performance of Palisade EC is primarily affected by: (1) environmental conditions, (2) crop management and cultural practices that affect crop growth and vigor, (3) fertility level, (4) moisture availability, (5) plant vigor, and (6) crop growth stage.

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

Table 1. Palisade EC Application Rates and Timing

Application Rate	Application Timing	Comments
1 1/2- 4 pts./A	<p>Before or during stem elongation stage of development (Zadoks growth stages 30-37 or Feekes stages 5-8)</p> <p>NOTE: Although this product is effective at any time in this growth stage the BEST timing is early (Zadoks growth stage 32 or Feekes 7 when the second node on the main stem is detectable).</p>	<p>(1) Apply as a broadcast, foliar spray to actively-growing grass.</p> <p>(2) Use the high rate on heavy, lush stands.</p> <p>(3) Multiple applications during the growing season are allowed but do not apply more than 4 pts./A per year.</p>

Equipment

Clean spray equipment thoroughly before use and use a sprayer that will deliver an accurate and uniform spray. Rinse sprayer with clean water after use and dispose of rinsate according to label directions.

Mixing Instructions

- (1) Mix Palisade EC in enough water (10-20 gals./A) to thoroughly and uniformly cover the crop.
- (2) Mix only the amount needed for the immediate operation.
- (3) Agitate thoroughly before and during application.

Note: Tank mixtures are permitted only in those states where the tank mix partner is also registered.

Palisade EC Alone

- (1) Add 1/2-2/3 of the required amount of water to the spray tank.
- (2) While agitating, add Palisade EC.
- (3) Continue agitation while adding the remainder of the water.
- (4) Maintain agitation until all of the mixture has been applied.

Palisade EC + Tilt® Fungicide

- (1) Add 1/2-2/3 of the required amount of water to the spray tank.
- (2) While agitating, add Palisade EC followed by Tilt Fungicide.
- (3) Continue agitation while adding the remainder of the water.
- (4) Maintain agitation until all of the mixture has been applied.

Note: Observe all directions for use, precautions, and limitations which appear on the Tilt Fungicide label.

GRAZING INTERVAL

Do not graze livestock on treated area before 60 days after harvest.

STORAGE AND DISPOSAL**Pesticide Storage and Disposal**

Do not store below 0°F. If crystals do form, store above 70°F, shaking periodically until crystals are dissolved.

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Pesticide wastes are toxic. 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, they must be disposed of according to Federal, state, or local procedures. Contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Disposal

Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, dispose of by open burning. Stay out of smoke from burning container.

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 clean up 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**Hazards to Humans and Domestic Animals****WARNING/AVISO**

Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing vapor or spray mist.

First Aid

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water. Get medical attention.

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

If inhaled: Remove victim to fresh air.

If on skin: Wash with plenty of soap and water. Call a physician if irritation persists.

Note to Physician: If ingested, lavage stomach with care to prevent aspiration of stomach contents. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

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 for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems or enclosed cabs 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

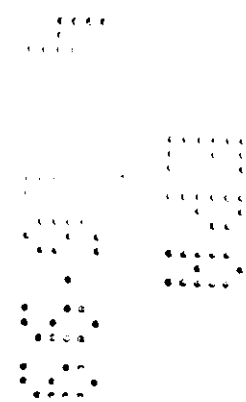
Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from treated areas.

Palisade™ and Tilt® trademarks of Novartis

U.S. Patent No. 4,693,745

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Novartis Crop Protection, Inc.
Greensboro, North Carolina 27419
NCP 949A-L1 0399



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For growth management of perennial ryegrass grown for seed in Idaho, Oregon, and Washington

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(CAS No. 95266-40-3)	12.0%
Other Ingredients:	88.0%
Total:	100.0%

See directions for use in attached booklet.

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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.

EPA Reg. No. 100-949

EPA Est. 1386-OH-1

Palisade™ trademark of Novartis
U.S. Patent No. 4,693,745

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Novartis Crop Protection, Inc.
Greensboro, North Carolina 27419
NCP 949A-L1 0399

2.5 GALLONS
U.S. Standard Measure

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