



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

EPA Reg. Number:

100-814

Date of Issuance:

MAY 29 1997

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

Dividend® WS

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Novartis Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, North Carolina 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 registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) 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 changes to the label that are listed below before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 100-814.
  - b. Add the appropriate EPA Establishment Number.
  - c. Delete the title on page -8- that reads "Pesticide Storage and Disposal". The title "Storage and Disposal" that is already present is all that is needed for this purpose.

Signature of Approving Official:

*[Signature]*

Date:

MAY 29 1997

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- d. Move the sentence that reads "Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment." to a position between the "Storage and Disposal" title and the "Storage" section.
3. The data requirements Storage Stability (GRN 63-17) and Corrosion Characteristics (GRN 63-20) must be fulfilled, by no later than August 31, 1997.
4. Submit one copy of your final printed label before you release this 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.

A stamped copy of the label is enclosed for your records. If you have any questions about this letter, please contact John Bazuin at (703)305-7381.

Sincerely yours,

Cynthia L. Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Attachments: Product label, stamped "Accepted with Comments"  
A-79 Enclosure

Revised Draft  
WPS  
Booklet Master Label

Dividend® WS

FUNGICIDE

A seed treatment for control of diseases of wheat

One Pound  
Net Weight

Five Pounds  
Net Weight

Active Ingredient:

[(2S,4R)/(2R,4S)]/[(2R,4R/2S,4S)]

1-{2-[4-(4-chlorophenoxy)-2-chlorophenyl]-4-  
methyl-1,3-dioxolan-2-yl-methyl}-1H-1,2,4-triazole . . . . . 28.8%

Inert Ingredients: . . . . . 71.2%

Total: . . . . . 100.0%

Dividend WS is a wettable powder packaged in a water-soluble bag.

EPA Reg. No. 100-

EPA Est.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements on panel at left and directions for use on panel at right. (For the 5 lb. bag)

See additional precautionary statements and directions for use inside booklet. (For the 1 lb.)

This outer protective container contains Dividend WS in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately drop entire unopened inner bag into the partially filled mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

MAY 29 1997

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

100-814

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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 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 Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy 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. **Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Ciba-Geigy 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 Ciba-Geigy.

**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 12 hours.** Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Waterproof gloves
- Shoes plus socks

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

**General Information**

Dividend WS is a systemic seed dressing which controls or suppresses certain seed-borne, soil-borne, and fall season foliar diseases of wheat. An EPA-approved coloring agent has been added to the formulation.

**Mixing Procedures**

Dividend WS may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry- or mist-type commercial seed treatment equipment. Apply up to 16 fl. oz. of this slurry per 100 lbs. seed. Mix the slurry thoroughly with the seed to provide uniform coverage.

**Mixing Instructions**

Prepare no more mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. **Agitate thoroughly to dissolve the soluble bag and disperse the product. Maintain agitation throughout the treatment operation.** Do not let the slurry mixture stand overnight in the mix tank without agitation. Flush the mix equipment thoroughly following each day of use.

**Note:** 1 lb. Dividend WS displaces 0.7 lb. water.

*Precaution: Water soluble bags of Dividend WS must be completely dissolved and dispersed in plain water before any other tank mix partner is added to the spray solution.*

**Dividend WS Alone:** Add all of the required amount of plain water to the mix tank. With the agitator running, drop the required number of **unopened** soluble bags of Dividend WS into the tank all at once. Begin application of the slurry solution after the bags have dissolved and the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**Dividend WS + Tank Mixtures:** Add all of the required amount of plain water to the mix tank. With the agitator running, drop the required number of **unopened** soluble bags of Dividend WS, and any other products packaged in water-soluble bags, into the tank all at once. After the water-soluble bags have dissolved and the products have dispersed uniformly into the mix water, add the desired amount of other products recommended for tank mixture and allow them to become completely dispersed. Continue agitation to maintain a uniform suspension until all of the slurry solution has been applied.

If using Dividend WS in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label.

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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 products are registered.

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**Wheat**

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Apply Dividend WS to wheat seed at the rates given in the following table for control of common bunt (seed-borne and soil-borne), dwarf bunt, loose smut, flag smut, seed-borne Septoria, and fall season powdery mildew, Septoria leaf blotch, and rust; and for partial control of take-all, Fusarium root and crown rot, and common root rot.

For control of damping-off of wheat caused by *Pythium* spp., the recommended rate of Dividend WS may be tank mixed with Apron® flowable or wettable powder seed treatment products in accordance with the most restrictive of label limitations and precautions. No labeled dosage rates should be exceeded. Use Apron at a rate of 0.32 oz. active ingredient per 100 lbs. of seed (2 g active ingredient/100 kg of seed) tank mixed with the recommended rates of Dividend WS. Follow application and other instructions found on the Apron label.

**DIVIDEND WS  
WINTER WHEAT**

<b>Rate/CWT</b>	<b>Diseases Controlled</b>	<b>Fall Season Foliar Diseases Controlled<sup>1</sup></b>	<b>Diseases Partially Controlled<sup>2</sup></b>
1.33 oz.	Common Bunt <sup>3</sup> Dwarf Bunt Loose Smut Flag Smut Seed-borne Septoria General Seed Rots <sup>4</sup> Fusarium Seed Scab	Fall Season Powdery Mildew Fall Season Leaf Rust Fall Season Septoria Leaf Blotch	Common Root Rot ( <i>Cochliobolus</i> spp.) Fusarium Root Rot Fusarium Crown Rot Take-All
0.66 oz.	Common Bunt <sup>3</sup> Dwarf Bunt Flag Smut Seed-borne Septoria Loose Smut General Seed Rots <sup>4</sup> Fusarium Seed Scab		Common Root Rot ( <i>Cochliobolus</i> spp.)
0.33 oz. <sup>5</sup>	Common Bunt Loose Smut		

<sup>1</sup>Dividend WS provides control of fall season powdery mildew, fall season leaf rust, and fall season Septoria leaf blotch in winter wheat for the first 6 weeks after planting. For full season control of these foliar diseases, use Tilt® fungicide according to label instructions.

<sup>2</sup>Partial control can either mean erratic control from good to poor, or consistent control at a level below that generally considered acceptable for commercial disease control.

<sup>3</sup>Dividend controls both seed-borne and soil-borne common bunt.

<sup>4</sup>General seed rots controlled include those caused by saprophytic organisms such as *Penicillium* and *Aspergillus*.

<sup>5</sup>The 0.33 oz. rate should only be used in the following states: TX, OK, KS, CO, MO, NE, ND, SD, MN, MT.

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DIVIDEND WS  
SPRING WHEAT

Rate/CWT	Diseases Controlled	Diseases Partially Controlled <sup>4</sup>
1.33 oz.	Common Bunt <sup>1</sup> Seed-borne Septoria Loose Smut General Seed Rots <sup>2</sup> Fusarium Seed Scab	Take-All Common Root Rot Fusarium Root Rot Fusarium Crown Rot
0.66 oz.	Common Bunt <sup>1</sup> Seed-borne Septoria Loose Smut General Seed Rots <sup>2</sup> Fusarium Seed Scab	Common Root Rot ( <i>Cochliobolus</i> spp.)
0.33 oz. <sup>3</sup>	Common Bunt Loose Smut Fusarium Seed Scab	

<sup>1</sup>Dividend WS controls both seed-borne and soil-borne common bunt.

<sup>2</sup>General seed rots controlled include those caused by saprophytic organisms such as *Penicillium* and *Aspergillus*.

<sup>3</sup>The 0.33 oz. rate should only be used in the following states: TX, OK, KS, CO, MO, NE, ND, SD, MN, MT.

<sup>4</sup>Partial control can either mean erratic control from good to poor or consistent control at a level below that generally considered acceptable for commercial disease control.

**Important:** (1) Do not use treated seed for feed, food, or oil. (2) Green forage may not be grazed until 55 days after planting. (3) Do not plant any crop other than wheat within 30 days in fields in which treated seeds were planted.

**Note:** Federal law requires that bags containing treated seeds shall be labeled with the following information: "This seed has been treated with difenoconazole fungicide. Do not use for feed, food, or oil purposes. Store away from feeds and foodstuffs. Green forage may not be grazed until 55 days after planting. Do not plant any crop other than wheat within 30 days in fields in which treated seeds were planted."

**Storage and Disposal**

**Pesticide Storage and Disposal**

**Storage** - Store in a cool, dry place. Do not store this product under wet conditions. Handle outer packaging carefully to avoid breakage of inner soluble bag.

**Pesticide Disposal**

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

**Container Disposal**

Do not reuse outer container. Dispose of empty outer container in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

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 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**

**CAUTION**

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

**Statement of Practical Treatment**

**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.

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

## Personal Protective Equipment

### Applicators and other handlers 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.

## Engineering Control Statements

When handlers use closed systems 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

This product is toxic to fish and other 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.

If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

Apron®, Dividend®, and Tilt® trademarks of Ciba-Geigy Corporation  
U.S. Patent Nos. 4,079,062 and 5,266,585

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Ciba Crop Protection  
Seed Treatment Products  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

CGA  
CGA

[QUARK/DIVIDEND WS/DIVIDEND-WS] - ccg - 8/28/96

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(For 1 Pound)  
Pressure-Sensitive Label

Dividend® WS

FUNGICIDE

A seed treatment for control of diseases of wheat

One Pound  
U. S. Standard Measure

Active Ingredient:

[(2S,4R)/(2R,4S)]/[(2R,4R/2S,4S)]

1-{2-[4-(4-chlorophenoxy)-2-chlorophenyl]-4-methyl-1,3-dioxolan-2-yl-methyl}-1H-1,2,4-triazole . . . . . 28.8%

Inert Ingredients: . . . . . 71.2%

Total: . . . . . 100.0%

See directions for use in attached booklet.

EPA Reg. No. 100-  
EPA Est.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

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**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

MAY 29 1997

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

100-

## Personal Protective Equipment

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

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Dividend® trademark of Ciba-Geigy Corporation  
U.S. Patent Nos. 5,266,585

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Seed Treatment Products  
Ciba-Geigy Corporation  
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