

PM22

100-778

5-27-97

1417



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

MAY 27 1997

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Dr. Gregory T. Peters
Ciba-Geigy Corporation
P.O. Box 18300
Greensboro, North Carolina 27419-8300

Subject: Dividend 0.15 FS
EPA Registration Number 100-778
Your letter dated January 31, 1997 -amended label

Dear Dr. Peters:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided the following comments are incorporated.

On the base label the Signal Word "CAUTION" should immediately follow the heading "Hazards to Humans and Domestic Animals"

On page 6 of the Booklet label, under the "Note" section, delete the last sentence since the label and CSF indicates that the product already contains a dye.

Submit one (1) copy of your final printed label prior to releasing the product for shipment.

Sincerely,

A handwritten signature in black ink, appearing to read "CGP".

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

2717

Revised Draft

Booklet Label

Dividend® 0.31 FS

FUNGICIDE

A seed treatment for control of diseases of wheat

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 3.15%

Inert Ingredients: 96.85%

Total: 100.00%

2½ Gallons
U.S. Standard Measure

5 Gallons
U. S. Standard Measure

15 Gallons
U. S. Standard Measure

EPA Reg. No. 100-778

EPA Est. 5905-GA-01 (2½ gals. & 5 gals.)

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

CGA (2½ gals.)
CGA (5 gals.)
CGA (15 gals.)

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAY 27 1997

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**
100-778

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 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.

BEST AVAILABLE COPY

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 over long-sleeved shirt and long pants, socks and chemical resistant footwear and waterproof gloves.

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

BEST AVAILABLE COPY

General Information

Dividend 0.31 FS 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, Pigment Red 48, has been added to the formulation.

Mixing Procedures

Dividend 0.31 FS is especially formulated for on-farm treatment using standard mechanical slurry or mist type seed treatment equipment which accurately meters and mixes a flowable seed treatment. The equipment must provide uniform coverage of Dividend 0.31 FS on the seed. Uneven seed coverage may not give the desired level of disease control. This product does not require the addition of water for application. Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on operation and calibration of the equipment.

Wheat

Apply Dividend 0.31 FS 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, general seed rots, 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 0.31 FS 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 the Apron product at a rate of 0.032 oz. active ingredient per 100 lbs. of seed (2 g active ingredient/100 kg of seed) tank mixed with the recommended rates of Dividend 0.31 FS. Follow application and other instructions found on the Apron product label.

BEST AVAILABLE COPY

DIVIDEND 0.31 FS
Winter Wheat

Rate/CWT	Diseases Controlled	Fall Season Foliar Diseases Controlled ¹	Diseases Partially Controlled ²
10 fl. oz.	Common Bunt ³ , Dwarf Bunt, Loose Smut, Flag Smut, Seed-borne Septoria, General Seed Rots ⁴ , 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,
5 fl. oz.	Common Bunt ³ , Dwarf Bunt, Flag Smut, Seed-borne Septoria, Loose Smut, General Seed Rots ⁴ , Fusarium Seed Scab		Common Root Rot (<i>Cochliobolus</i> spp.)
2.5 fl. oz. ⁵	Common Bunt, Loose Smut		

¹Dividend 0.31 FS 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.

²Partial 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.

³Dividend 0.31 FS controls both seed-borne and soil-borne common bunt.

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

⁵The 2.5 fl. 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 0.31 FS
Spring Wheat

Rate/CWT	Diseases Controlled	Diseases Partially Controlled ⁴
10 fl. oz.		Take-All, Common Root Rot,
5 fl. oz.	Common Bunt ¹ , Seed-borne Septoria, Loose Smut, General Seed Rots ² , Fusarium Seed Scab	Common Root Rot (<i>Cochliobolus</i> spp.),
2.5 fl. oz. ³	Common Bunt, Loose Smut, Fusarium Seed Scab	

¹Dividend 0.31 FS controls both seed-borne and soil-borne common bunt.

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

³The 2.5 fl. oz. rate should only be used in the following states: TX, OK, KS, CO, MO, NE, ND, SD, MN, MT.

⁴Partial 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 to 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." If necessary, use with an EPA-approved dye or colorant that imparts an unnatural color to the seed.

Storage and Disposal

Pesticide Storage and Disposal

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

(For 2 1/2 and 5 Gallons)

Container Disposal

Do not reuse empty container. Triple rinse (or equivalent), and offer for recycling or reconditioning, or puncture and dispose of 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 15 gallons)

Container Refilling and Disposal

Refer to label on container for refilling and disposal instructions.

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

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

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 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 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

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 rinsate.

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 No. 5,266,585

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10 7 17

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

CGA (2 1/2 gals.)
CGA (5 gals.)
CGA (15 gals.)

[QUARKDIVIDEND 0.31 FS - DIV0.31FS-BKLTML-A] - ccg - 1/30/97

Base Label
(For 2 1/2 and 5 Gallons)

Dividend® 0 31 FS
FUNGICIDE

A seed treatment for control of diseases of wheat

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 3.15%

Inert Ingredients 96.85%

Total 100.00%

See directions for use in attached booklet

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.

EPA Reg. No. 100-778

EPA Est. 5905 GA 01

2 1/2 Gallons
U.S. Standard Measure

5 Gallons
U.S. Standard Measure

KEEP OUT OF REACH OF CHILDREN.

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long sleeved shirt and long pants, socks and shoes and water proof gloves. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

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 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.

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 rinsate.

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

Container Disposal

Do not reuse empty container. Triple rinse (or equivalent), and offer for recycling or reconditioning, or puncture and dispose of 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.

Dividend® trademark of Ciba-Geigy Corporation
U.S. Patent No. 5,266,585

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

CGA (2½ gals.) Product ID.: 52141
CGA (5 gals.) Product ID.:

January 19, 1995 - Initial label
for 0.31 FS on-farm formulation

February 19, 1996 - Reduced
rotational crop restriction to
30 days

April 22, 1996 - Added Karnal
Bunt to list of diseases
partially controlled

[QUARK\DIVIDEND 0.31 FS/DIV0.31FS-BKLTML-A] - ccg - 10/30/97

14717

Revised Draft

(15 Gallon Refillable)
Pressure-Sensitive Label

Dividend® 0.31 FS
FUNGICIDE

A seed treatment for control of diseases of wheat

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 3.15%

Inert Ingredients: 96.85%

Total: 100.00%

EPA Reg. No. 100-778

EPA Est. 5905-GA-01

15 Gallons

U. S. Standard Measure

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements at end of label.

**ACCEPTED
with COMMENTS
In EPA Letter Dated
MAY 27 1997**

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

100-778

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 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.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, socks and shoes and water-proof gloves. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

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 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.

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.

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

Container Refilling and Disposal

This is a refillable container. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than Dividend 0.31FS. Reseal and return the container to an authorized Ciba-Geigy refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

To be used in accordance with directions for use in the Dividend 0.31FS label booklet.

See Dividend 0.31FS label booklet for pesticide disposal instructions.

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.

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.

Dividend® trademark of Ciba-Geigy Corporation
U.S. Patent No. 5,266,585

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

CGA (15 gals.) Product ID.: 51881

January 19, 1995 - Initial label
for 0.31 FS on-farm formulation

[QUARK/DIVIDEND 0.31 FS/DIVID 0.31FS-PSL-A] - ccg - 9/5/96