



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP 17 2003

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Rodney C. Akers, Ph.D.  
Registration Scientist  
BASF Corporation, Agricultural Products  
P.O. Box 13528  
Research Triangle Park, NC 27709

Dear Dr. Akers:

Subject: 2,4-D Technical Acid  
Registration No. 7969-171  
Application (Undated) and Letter Dated August 19, 2003,  
Request to Amend Registration To Add Maximum Use Rates  
for Forestry and Non-Crop Sites To Label, and Revised  
First Aid Labeling Required by PR Notice 2001-1; and  
Resubmission Letter Dated September 15, 2003

The labeling referred to above, associated with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that the "implementation paragraph", required under the 2,4-D Exposure Reduction Agreement of 1992, is revised as indicated in **bold** as follows:

"This product can only be used to formulate pesticide products if the labeling contains the following information and/or revised use directions. All products manufactured for residential and turf uses after June 15, 1994 must contain the revised label language below. All other products (i.e., agricultural, industrial and aquatic), manufactured after October 23, 1993 must bear the revised label language below. **All products released for shipment on or after October 1, 2005 must bear revised labeling complying with the maximum application rates for general non-crop sites; tree, brush and woody plant control on rights-of-way; and forestry use patterns other than site preparation, if registered for such uses.**"

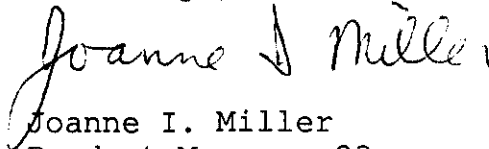
In addition, this label is accepted with the following stipulation: "The Agency is accepting the labeling changes based on your certification that no additional changes, aside from the maximum use rates for forestry and non-crop sites, and First Aid Statements have been made to the label. **Any other labeling changes, except revised First Aid Statements, submitted in connection with this amendment application have not been reviewed or accepted by the Agency.** If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way."

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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 this product under this labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. **When this technical or manufacturing use product is released for shipment on or after August 1, 2004, it must bear this revised labeling.** Please submit one copy of the final printed label before you release the product for shipment.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller".

Joanne I. Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505C)

Enclosure

**BASF**

# 2,4-D Technical Acid

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

SEP 17 2003

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

7969-171

**FOR MANUFACTURE OF HERBICIDES ONLY****Active Ingredient:**

2,4-dichlorophenoxyacetic acid\* ..... 98.0%

Inert Ingredients: ..... 2.0%

Total ..... 100.0%

\* Isomer specific by AOAC Method NO. 6D01-5

EPA Reg. No.: 7969-171

EPA Est. No.:

**KEEP OUT OF REACH OF CHILDREN  
DANGER!**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do  
not understand this label, find someone to explain it to you in detail)**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**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 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.
If on skin or clothing:	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for treatment advice.
If inhaled:	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. - Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

**Net Contents:**Manufactured for:  
BASF Corporation

26 Davis Drive, Research Triangle Park, NC 27709

**ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**In Case of Emergency:**

In case of large-scale spillage of this product, call:

CHEMTRAC.....800-424-9300

BASF Corporation.....800-832-HELP

In case of medical emergency regarding this product, call:

1. Your local doctor for immediate treatment.

2. Your local poison control center (hospital).

3. BASF Corporation: 800-832-HELP

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Storage: Keep container tightly closed when not in use. This product can be stored in an unheated building.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General: Consult federal, state, or local disposal authorities for approved alternative procedures.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Only For Formulation Into a Herbicide For:

- The Following Uses: Food uses including corn, sorghum, rice, wheat, barley, rye, oats, annual and perennial grasses, sugar cane and soybeans; nonfood terrestrial crops, including residential lawns, sod farms, ornamental turf, golf courses, parks and playgrounds, cemetery and right-of-way; aquatic sites, and forestry sites.

- Uses for which USEPA has accepted the required data or citations of data that the formulator has submitted in support of registration; and

- Uses for experimental purposes that are in compliance with USEPA requirements.

The finished formulations of 2,4-D acid containing herbicidal products must be prepared only with suitable solvents, emulsifiers and wetting agents which are exempt from requirements of tolerance under the Food, Drug and Cosmetic Act. Do not allow this chemical or dilutions of it to come in contact with sensitive crop plants, trees, or ornamentals.

Note: Because of their properties and intended uses, formulations containing 2,4-Dichlorophenoxy Acetic Acid Flake may require precautionary labeling differing from that given. Formulators should develop their own use and precautionary labeling, based on the properties and intended uses of their own finished formulations, and in accordance with all pertinent laws and regulations.

Formulators using this product are responsible for obtaining EPA registration for their formulated products. Refer to BASF for instructions for formulation and other information.

This product can only be used to formulate pesticide products if the labeling contains the following information and/or revised use directions. All products manufactured for residential and turf uses after June

15, 1994, must contain the revised label language below. All other products (i.e., agricultural, industrial and aquatic), manufactured after October 23, 1993 must bear the revised label language below.

#### General Requirements For End-Use Product Labeling

1. Containers over 1 gallon and less than 5 gallons in capacity must bear the following statements:  
"Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron."
2. Containers of 5 gallons or more in capacity must also bear the following statement: "A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal."

#### Specific Requirements For End-Use Product Labeling

##### 1. For Agricultural Uses

- a. Clothing Requirements Statements: "When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required."
- b. Personal Hygiene Statements: "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using the toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application for this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower."
- c. The maximum application rate to pasture and rangeland is the lower of 1) the existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application site.
- d. The maximum application to forestry site preparation is the lower of 1) the existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per application site. The maximum application rate to all forestry sites is the lower of 1) the existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site."
- e. A reentry interval is required and should be in accordance with the Worker Protection Standards, 40 CFR parts 156 and 170.

##### 2. For Industrial, Non-Crop and Aquatic Uses

- a. Clothing Requirement Statements: "When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required."
- b. Personal Hygiene Statements: "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using the toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application for this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower."
- c. The maximum application rate to general non-crop sites is lower of 1) the existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application site. The maximum non-crop application rate for tree, brush or woody plant control on rights-of-way is the lower of 1) the existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site. The maximum seasonal application rate to non-crop sites is 4 pounds 2,4-D acid equivalent per acre per application site.

##### 3. For Residential And Turf Sites (Excluding Sod Farms)

- a. Clothing Requirement Statements: 1) For All Granular Products: "When using this product, wear long-sleeved shirt, long pants, socks and shoes." 2) Products registered for use on residential and other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course, amine products applied in

liquid form and carrying "CAUTION" signal word only must bear the following language: "When using this product wear long-sleeved shirt, long pants, socks, shoes and rubber gloves." 3) Products registered for use on residential and other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course, amine products applied in liquid form and carrying "WARNING" or "DANGER" signal word, only must bear the following language: "When using this product, wear long-sleeved shirt, long pants, socks, shoes, rubber gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection." 4) Products registered for use on residential and for other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course; acid, sodium salt and ester products applied in liquid form and carrying "CAUTION" signal word only must bear the following language: "When using this product, wear long-sleeved shirt, long pants, socks, shoes and chemical resistant gloves." 5) Products registered for use on residential and other turf sites (excluding sod farms) by homeowners and other noncommercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course; acid, sodium salt and ester products applied in liquid form and carrying "WARNING" or "DANGER" signal word only must bear the following language: "When using this product wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection." 6) Products registered for use on residential and other turf sites (excluding sod farms) by commercial mixer/loader/applicators (except when the product is to be applied to a golf course), all products applied in liquid form and carrying "CAUTION" signal word only must bear the following language: "When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves." 7) Products registered for use on residential and other turf sites (excluding sod farms) by commercial mixer/loader/applicators (except when the product is to be applied to a golf course), all products applied in liquid form and carrying "WARNING" or "DANGER" signal word only must bear the following language: "When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection."

- b. Personal Hygiene Statements: 1) For All Granular Products: "After using this product, remove clothing and launder separately before reuse and promptly and thoroughly wash hands and exposed skin with soap and water." 2) For All Liquid Products: "After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water." Remove saturated clothing as soon as possible and shower.

- c. The maximum application rate to turf is the lower of 1) existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per application site. The maximum number of broadcast applications per treatment site is 2 per year.

- d. The following reentry statement must be included: "Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled."

#### 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept, 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 BASF.