

Reg # 42750-13

PM-23

File  
1911



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 7 1994

ALICE WALKER  
ALBAUGH INC.  
1517 N. ANKENY BLVD.  
ANKENY, IA 50021

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 7/27/93 Response to PR Notice 93-7  
EPA Reg. No. 42750-13  
RIVERSIDE HERBICIDE A-4D 2, 4D

Dear Registrant:

The labeling cited above and submitted in connection with registration under the federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS 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.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber


Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

3911

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

7 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
42750-13

ALBAUGH

Herbicide A-4D

2,4-D Amine Weedkiller

**ACTIVE INGREDIENT:**

Dimethylamine salt of 2,4-dichlorophenoxyacetic acid..... 46.8%

**INERT INGREDIENTS:**..... 53.2%

**TOTAL** ..... 100.0%

Equivalent to 38.8% of the 2,4 isomer of 2,4-D or not less than 3.8 pounds of the 2,4 isomer of 2,4-D per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO**

~~**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

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.)

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF IN EYES:** Flush with plenty of water. Get medical attention.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No. 42750-13

EPA Est. No. 42750-1A-1

Manufactured by  
ALBAUGH, INC.  
Ankeny, Iowa 50021

NET CONTENTS

\_\_\_\_ GALLONS

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## PRECAUTIONARY STATEMENTS

### DANGER

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes eye damage. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing spray mist. ~~DO NOT apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.~~

~~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 (nitrile), long-sleeved shirt, long pants, socks and shoes. For aerial applicators in enclosed cockpits and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required.~~

~~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 using 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 of 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.~~

~~If this container contains over 1 gallon and less than 5 gallons, persons engaged in open pouring of this product must also wear coveralls or a chemical-resistant apron.~~

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment, mixing, or loading.

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.

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.

If this container contains 5 gallons or more in capacity, 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.

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### **USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

Do not contaminate water by cleaning of equipment or disposal of wastes. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas, as this product may injure cotton, beans, other vegetables, certain legumes and ornamentals. Do not apply directly to water except as stated on this label. Do not apply this product through any type of irrigation system.

### **PHYSICAL OR CHEMICAL HAZARDS**

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

### **GROUNDWATER CONTAMINATION**

Most cases of groundwater contamination involving phenoxy herbicides such as 2, 4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

### **DIRECTIONS FOR USE**

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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 over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

### ~~AGRICULTURAL USE REQUIREMENTS~~

~~Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your state Department of Agriculture for further information.~~

~~Re-Entry for Turf Sites (excluding sod farms): Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.~~

~~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, wear: eye protection (face shield or safety glasses), chemical resistant gloves (nitrile), long-sleeved shirt, long pants, socks, and shoes.~~

### ~~NOTICE TO CROP OWNERS~~

~~Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Oral and written warnings must include the following information: DANGER: Area treated with 2,4-D Amine on (date of application). Do not enter without appropriate protective clothing. In case of accidental exposure, wash~~

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~~exposed area with plenty of water and get medical attention. For further information see PRECAUTIONARY STATEMENTS on the label.~~

### STORAGE AND DISPOSAL

**DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.**

#### STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent, clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

#### DISPOSAL

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. 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:** Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### GENERAL INFORMATION

**Read entire label before using this product.**

Herbicide A-4D is a selective herbicide recommended for the control of many broadleaved weeds in crops, along fence rows, around farm buildings and similar areas. This product also can be used on lawns, golf courses, parks and other similar areas without injury to most grasses. The following is a partial list of weeds controlled by Herbicide A-4D.

- |                |                  |                    |
|----------------|------------------|--------------------|
| Beggartick     | Knotweed         | Russian thistle    |
| Bindweed       | Lambsquarters    | Shepherdspurse     |
| Bitterweed     | Mallow           | Sicklepod          |
| Bull thistle   | Marshelder       | Smartweed          |
| Burdock        | Morningglory     | Sowthistle, annual |
| Canada thistle | Musk thistle     | Sunflower          |
| Carpetweed     | Mustards         | Tumbleweed         |
| Chicory        | Nettle, stinging | Velvetleaf         |
| Cocklebur      | Pennycress       | Vetch              |

Coffeeweed  
Dandelion  
Dock  
Galinsoga  
Goldenrod  
Henbit  
Jimsonweed

Pennywort  
Peppergrass  
Pigweed  
Plantain  
Puncturevine  
Pusley, Florida  
Ragweed

Wild carrot  
Wild garlic  
Wild hemp  
Wild onion  
Wild radish  
Witchweed  
Yellow rocket

**NOTE:** Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local agricultural experiment station or extension service weed specialists and state regulatory agencies for recommendations in your area.

Aerial application may be of use for control of weeds on certain crops where there would be no danger of drift to susceptible crops. Applications should only be made by applicators experienced in the use of 2,4-D formulations. Regulations governing aerial application of herbicides are in effect in many states. Consult local regulatory agencies concerning requirements before making applications.

**Treating Small Areas:** One tablespoonful of Herbicide A-4D in 1 1/2 gallons of water is about equal to 1 quart in 100 gallons.

**NOTE:** When stored at temperatures below freezing, it will be necessary to warm contents to 45°F and mix thoroughly before using.

**Preparation of the Spray:** Fill the spray tank with half the required amount of water; then add the recommended amount of Herbicide A-4D and continue filling spray tank with balance of water. Keep agitator running when filling spray tank and during spray operations. Per acre application rates should be 3 to 5 gallons of total spray by air or 5 to 25 gallons by ground equipment unless otherwise directed.

**With Liquid Nitrogen Solutions:** For late season control of young smartweeds, cocklebur, annual morningglory, and other annual broadleaf weeds less than 1 inch high, fields should be as clean as possible and corn 20-30 inches high. Apply 1 pint with 80-120 lbs. nitrogen per acre. The spray **MUST** be prepared by first adding required amount of liquid nitrogen solution to spray tank. Next dilute 1 pint of Herbicide A-4D with 2 quarts of clean water for each acre to be treated with one tankful. Start the tank agitator and **SLOWLY** add the diluted 2,4-D solution. Spray immediately, maintaining continuous agitation until spray tank is empty. Direct the spray to lower 3" to 4" of corn stalks.

Use spray equipment designated to handle corrosive liquid nitrogen solutions. After spraying, remove any remaining solution and rinse spraying equipment thoroughly with water. Mix only one tank at a time. Do not spray during or immediately following cold weather.

**Time of Application:** Best results are obtained when Herbicide A-4D is used on young weeds that are actively growing. Application of lower recommended rates to susceptible annual weeds usually will be satisfactory, but for perennial weeds and other conditions, such as in very dry areas where control is difficult, use higher recommended rates and increase the volume of water per acre. When used as a



selective spray on crops the stage of growth of the crop must be considered. Some woody plants and weeds are hard to control and repeat applications may be necessary.

**AMOUNT OF HERBICIDE A-4D PER ACRE**

CROP (See detailed directions below)	For Average Conditions	For Dry Conditions as in Western States*
Wheat, Barley, Rye		
Annual Weeds	1/2 to 1 pint	1 to 2 pints
Perennial Weeds	1 pint	1 1/4 to 2 pints
Corn**		
Postemergence	1/2 to 1 pint	1 to 1 1/3 pints
Sorghum**		
Postemergence	1 pint	1 to 1 1/3 pints

\*Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming.

\*\*If any rows or bands are treated, leaving middles unsprayed, reduce dosage rate per crop acre proportionate to the ground area actually sprayed.

**Small Grains (Wheat, Barley, Rye):** Apply Herbicide A-4D in sufficient water for uniform coverage on small grains when fully tillered or stooled (4 to 8 inches tall), but before the "boot" stage. Crop injury may result if applied earlier than "tiller" or from early "boot" through the "milk" stage. Do not graze or feed forage from treated fields within 2 weeks after treatment. See chart for recommended rates. For late season use to control large succulent weeds, apply 1 to 2 pints per acre in sufficient water for uniform coverage on small grain from dough stage to harvest. Use only when weeds threaten to interfere with harvest operations. Do not use treated straw for livestock feed.

**Rice:** In the South and Southwest, apply 1 1/2 to 2 1/2 pints per acre in 5 to 10 gallons of water 7 to 10 weeks after planting or when the rice is fully tillered but not yet in the "boot." In California, apply 1 1/2 to 2 pints per acre 55 to 65 days after planting when the rice is through the water and well established, but not after seed stalks emerge. For difficult weeds and where daily temperatures do not exceed 95°F, 3 pints per acre may be used.

**Corn - Postemergence (Field, Sweet, and Popcorn):** Apply Herbicide A-4D from emergence to tasseling. When spraying corn above 10 inches in height, use nozzle extension ("corn drops"), directing the spray at base of the corn plant to keep the spray off the leaves as much as possible. Do not apply from tassel emergence to dough stage. Crop injury is more likely to occur if corn is growing rapidly under high temperature and high soil moisture conditions. Under such conditions, use the lowest recommended rate. Delay cultivation for 8 to 10 days after application to reduce stalk breakage resulting from temporary brittleness caused by 2,4-D. Hybrids vary in tolerance to 2,4-D. Consult local agricultural experiment station or extension service

weed specialists regarding use of 2,4-D on your specific hybrid. See chart for recommended rates.

**Sorghum:** Apply Herbicide A-4D when sorghum plants are 6 to 12 inches tall and secondary roots are well established. Use drop nozzles when crop is over 10 inches tall. Do not apply from flowering to dough stage. See chart for recommended rates.

**Pastures:** To control many broadleaved weeds in pastures, meadows and rangelands, use 2 to 3 pints per acre of Herbicide A-4D in sufficient water to provide for uniform application. Treat pastures when weeds are growing actively. Do not apply to newly-seeded pastures until grass is well established, or after heading begins. Do not apply when grass is in "boot" to "milk" stage if grass seed production is desired. Most legumes are injured or killed at the rates recommended. Do not graze dairy animals on treated areas within 7 days after treatment. Allow 30 days before feeding grass cut for hay and wait 3 days before slaughter of meat animals.

**Lawns, Golf Courses and Similar Turf:** Apply 2 to 3 pints of Herbicide A-4D per acre in sufficient water to provide uniform coverage. Do not apply to newly-seeded lawns until grasses become well established. Injury may result if applied to bentgrass, St. Augustinegrass, carpetgrass, centipedegrass, Dichondra and clovers.

#### NOTES FOR ALL TURF SITES (EXCLUDING SOD FARMS):

~~Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.~~

The maximum number of broadcast applications per treatment site is 2 per year.

~~When using this product, wear long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves. It is recommended that safety glasses include front, brow and temple protection.~~

~~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.~~

**General Weed Control:** Along fence rows, ditchbanks, around farm buildings and similar areas, use 2 to 3 quarts of Herbicide A-4D in 100 gallons of water per acre. Thoroughly wet all foliage to run-off.

**For Aquatic Weeds in Lakes, Ponds, Drainage Ditches, and Marshes:** Use 2 1/2 to 4 1/2 pints of product in 50 to 100 gallons of water per acre. Apply in enough water to wet foliage thoroughly. Application should be made when leaves are fully developed above water line and plants are actively growing. Your State Conservation Department or Game and Fish Commission will assist you in determining the best time and rate for application under local conditions.

Treatment of aquatic weeds can result in oxygen loss from decomposition of dead weeds. This loss can cause fish suffocation. Therefore, to minimize this hazard, treat 1/3 to 1/2 of the water area in a single operation and wait at least 10-14 days between

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treatments. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas.

**Aquatic Uses:** This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

**CONDITION OF SALE, WARRANTY, LIMITATION OF LIABILITY:** This product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with directions under normal use conditions. Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herewith. In no case shall the seller be liable for consequential, special, or indirect damages such as loss of profits or values resulting from the use or handling of this product.

**IN CASE OF EMERGENCY, CALL CHEMTREC: (800) 424-9300**