

Reg # 42750-13

PM-23

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) EPA	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <h1 style="margin: 0;">185712</h1>
	Application for Pesticide:		

Section I

1. Company/Product Number 42750-13	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Herbicide A-4D	PMS 23	
5. Name and Address of Applicant (Include ZIP Code) Albaugh, Inc. 1517 N. Ankeny Blvd. Ankeny, Iowa 50021 <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 type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - explain below.
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Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification in response to PR Notice 93-3 revising wetlands statement.

BEST AVAILABLE COPY

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 93-3

DATE: 7/1/93

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 * Certification must be submitted.	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Unit Package wgt. No. per 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) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of 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 Alice Walker, Ph.D.	Title Regulatory Consultant	Telephone No. (Include Area Code) 609-562-5995
Certification 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 <i>Alice Walker</i>	3. Title Regulatory Consultant	(Stamp area with dots)
4. Typed Name Alice Walker, Ph.D.	5. Date June 1, 1993	

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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.

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 contra-indicate the use of gastric lavage.

EPA REG. NO. 42750-13

EPA EST NO. 42750-1A-1

Manufactured by
ALBAUGH, INC.
Ankeny, Iowa 50021

NOTIFICATION
LABEL NOT REVIEWED
PER PN NOTICE 88-8
DATE 7/1/93

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.

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.

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

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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.

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 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 | Pennywort | Wild carrot |
| Dandelion | Peppergrass | Wild garlic |
| Dock | Pigweed | Wild hemp |
| Galinsoga | Plantain | Wild onion |
| Goldenrod | Puncturevine | Wild radish |
| Henbit | Pusley, Florida | Witchweed |
| Jimsonweed | Ragweed | 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 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

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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

