

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 18 1991

A. Baldi
Aceto Agricultural Chemicals Corporation
One Hollow Lane
Lake Success, NY 11042-1215

Dear Mr. Baldi:

Subject: Revised Confidential Statement of Formula and Corrected
Label Text
Aceto 2,4-DB 175
EPA Registration No. 2749-126
Your Submission Dated July 17, 1991

The Agency has reviewed your submission for a revised Confidential Statement of Formula (CSF) dated July 17, 1991, and the following comments apply:

- 1) Under column #10 for the active ingredient, you should indicate whether this should be listed as "2,4-DB Dimethylamine (DMA) Salt."
- 2) The EPA Registration Number for the active ingredient under column #12 should be 2749-126.
- 3) The spelling of Dimethylamine Dichlorophenol should be corrected.
- 4) Your product will not meet the label claim for the active ingredient since the nominal concentration of 2,4-DB DMA Salt in your product is 23.34% versus a label claim of 23.0%. As required in PR Notice 91-2, the label claim for active ingredients must be based on the nominal concentration rather than the lower certified limit. The nominal concentration should fall between the upper and lower certified limits.

If the certified limits of the active ingredient are not in compliance with the standard certified limits of 40 CFR 158.175(b)(2), you will be required to submit storage stability data or sample analyses of five or more representative batches including raw analytical data to support the nominal concentration label claim in accordance with PR Notice 91-2.

Please submit a new Confidential Statement of Formula, incorporating the changes indicated above.

CONCURRENCES

SYMBOL	17505C						
SURNAME	D. KENNY						
DATE	9/12/91						

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2047

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provision:

The Agency has not received comment on the density of the active ingredient per gallon, as requested in the Agency letter dated June 25, 1991. Based on the density of 8.83 pounds per gallon, our calculations indicate the pounds of acid equivalent would be 1.72 pounds per gallon rather than 1.75 pounds per gallon as shown in the ingredient substatement. Therefore, the density should be stated as 1.72 pounds per gallon on the label unless an explanation is submitted to the Agency as to why 1.75 pounds per gallon is appropriate instead.

The Agency recognizes the correct name of this product to be "Aceto 2,4-DB '75." Please submit three (3) final printed labels, incorporating the change indicated above or including the requested explanation.

Sincerely yours,

Joanne I. Miller
 Product Manager (23)
 Fungicide-Herbicide Branch
 Registration Division (H7505C)

CONCURRENCES

NOOL	H7505C						
NAME	R. KENNY						
DATE	9/12/91						

AT 23 0749-126

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ACCEPTED
with COMMENTS
by EPA Letter Dated:

SEP 13 1981

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
and Executive Order 11737, pesticide
registration is required by law. Reg. No.
100-749-126

ACETO

2,4-DB 1 75

Selective post-emergence herbicide for cocklebur control in peanuts and soybeans

ACTIVE INGREDIENT

4-(2,4-dichlorophenoxy) butyric acid, dimethylamine salt*	71.0%
INERT INGREDIENTS	29.0%
	TOTAL 100.0%

*Equivalent by weight to 19.47% (2,4-dichlorophenoxy) butyric acid.
1.75 lbs. active per gallon.

STOP--READ LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person. Get medical attention.
- IF INHALED: Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.
- IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF IN EYES: Flush with plenty of water for 15 minutes. Get medical attention.

See back panel for additional precautions.

EPA Reg. No. 2749-126

EPA Reg. No. 100-749-126

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Manufactured For
ACETO AGRICULTURAL CHEMICALS CORP.
One Halcyon Lane
Lab. Success, New York 11042

NET CONTENTS
1 GAL.

PRECAUTIONARY STATEMENTS
WARNING/AVISO
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May cause irritation of eyes, nose, throat and skin. May be harmful if inhaled or swallowed. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Avoid contact with eyes and skin. Wash thoroughly after handling. In case of contact, flush with plenty of water. For eyes, get medical attention. When handling this product, wear chemical resistant gloves.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. 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 washwaters. Do not apply when weather conditions favor drift from areas treated.

USE PRECAUTIONS

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-DB have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-DB 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.

Do not use in a greenhouse. Do not use on sweet clover.

DIRECTIONS FOR USE

NOT AVAILABLE

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

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

Keep away from domestic animals. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE

Store in a safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height. Storage conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

DISPOSAL

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Disposal: 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.

GENERAL INFORMATION

This material is not recommended as a preemergence treatment. Be sure sprayer is clean before using 2,4-DB 1.75 in it.

2,4-DB 1.75 has given control or suppression of the following weeds depending on the size of the weed.

COMMON NAME	BOTANICAL NAME	SUPPRESSION ONLY IF LARGER THAN
Pigweed or careless weed	Amaranthus sp.	1 inches
Morningglory	Ipomoea sp.	1 foot
Cocklebur	Xanthium sp.	1 foot
Velvetleaf	Abutilon theophrasti	1 inch
Virginia copperleaf	Acalpha virginica	1 inch
Teaweed	Sida spinosa	1 inch
Common ragweed	Ambrosia artemisiifolia	1 inch
Jimsonweed	Datura stramonium	1 1/2 inch
Devils claw	Proboscidea louisianica	2 inches
Coatweed	Croton lindheimeri	1 inch
Lambquarters	Chenopodium album	1 inch
Silverleaf nightshade	Solanum elaeagnifolium	6 inches

SOYBEANS

RESTRICTIONS AND LIMITATIONS: Drought stressed beans should not be sprayed. Do not harvest beans within 60 days after application. Use either the over-all or the directed application. Do not use both applications on the same field in the same season. Do not use this product on soybeans that show symptoms of Phytophthora root rot disease. Do not add any wetting agents or detergents to the spray solution.

OVER-ALL APPLICATIONS: For control of cocklebur and morningglory, use 0.8 to 1.0 pint of 2,4-DB 1.75 per acre (equivalent to 0.175 to 0.22 pounds active 2,4-DB acid per acre). It is very important to calibrate sprayers before application to be sure you are applying the right amount. Apply from 7 to 10 days before bloom up to mid-bloom, when soybeans are about knee-high and growing actively. Soybean foliage should be dark green indicating nodulation and nitrification are already underway. Do not apply over-all sprays earlier than this stage of growth.

Important - Midwest: Cocklebur must form a protective canopy over the bean plants before spraying or injury to the soybeans may result. Application after mid-bloom may affect flowering and reduce soybean yields. Apply as a broadcast spray. Use a boom sprayer with flat fan-type nozzles. Space nozzles so that one nozzle is over each row and over each middle. Adjust the height of the boom above the crop to give complete coverage of all weeds. Use low pressure (20-40 psi). Do not use boom jet nozzles. For a time, soybeans will show some effects from the chemical in the form of temporary twisting or curling of the stems and leaves. However, these effects disappear in about 1 to 5 days. Cocklebur will die out in from 3 days to 1 weeks.

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DIRECTED BAND APPLICATIONS: For control of cocklebur and morningglory, apply the equivalent to 0.8 to 1.0 pint of 2,4-DB 1.75 per broadcast acre (equivalent to 0.175 to 0.22 pounds active 2,4-DB acid per acre). Use sufficient water for good coverage; at least 10 gallons per acre. Treat when beans are at least 8 inches tall. Adjust nozzle height to allow spray to contact no more than the bottom one-third of soybean plants. Do not allow spray or spray drift to contact growing terminals of beans, as excessive crop injury will result. For best results, treat when the cocklebur and morningglory are no more than 4 inches tall. All leaves and growing terminals of weeds should be contacted by the spray. For control of weeds one inch or less in height and/or suppression of weeds greater than about one inch in height such as velvetleaf, jimsonweed, common ragweed and lambsquarters, apply 1.6 to 1.8 pints of 2,4-DB 1.75 per acre (equivalent to 0.35 to .40 lb. active 2,4-DB acid per acre). Do not use more than two applications per season. Stunting of the soybeans may be observed when two applications of the higher rates are used for weed control. To insure proper placement of spray on lower one-third of soybean plants, apply with sprayer nozzles mounted on skid shoes, oiling shoes, or cultivators with gauge wheels. Do not mount on booms with drop nozzles, or on cultivators without gauge wheels. Use fan type nozzle tips #8001 or larger, or their equivalent. Nozzle pressure should be less than 40 psi to reduce spray drift.

DIRECTED BAND APPLICATIONS OF MIXTURES OF 2,4-DB 1.75 and LOROX 50W* For control of cocklebur, morningglory, sesbania, velvetleaf, lambsquarter, prickly sida (teaweed), jimsonweed, ragweed, and crabgrass (2 leaf), apply 1.0 pint of 2,4-DB 1.75 plus 1 lb. Lorox per broadcast acre (equivalent to 0.22 pounds active 2,4-DB and 1/2 lb. Linuron active per acre). Use a proportional amount of the two chemicals on the band. (For example, on a 12 inch band in 16 inch rows, use 1/3 pt. of 2,4-DB 1.75 and 1/3 lb. of Lorox per acre). Use an #8022 T-Jet (or equivalent) or larger with a minimum of 25 gallons per broadcast acre and spray pressure of 20 to 25 psi, to avoid spray drift. One pint of surfactant such as DuPont WK per 2.5 gallons of spray mix may be added. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by mechanical or hydraulic means; if by-pass or return line is used, it should terminate at the bottom of the tank to minimize foaming. Openings in nozzle screens should be equal to or larger than 50 mesh. Apply directed spray when beans are at least 8 inches tall and when weeds do not exceed 2 inches in height. Adjust nozzle height to spray the lower one-third of the soybean plant. Apply with sprayer nozzles mounted on skid shoes, oiling shoes, or on cultivators with gauge wheels. Do not mount on booms with drop nozzles or on cultivators without gauge wheels. If a new flush of weeds occurs after initial treatment, make a second application but do not apply within 60 days of harvest or make more than 2 applications per growing season. Do not allow spray or spray drift to contact growing terminals of beans, as excessive crop injury will result. Do not feed soybean forage or hay to livestock from fields treated with this mixture. Harvested soybeans may be used for feed or oil purposes.

NOTE: Do not use on sands, loamy sands or gravelly soils or on compacted soils. Do not use on soils containing less than 1/2% organic matter as crop injury may result.

*Lorox 50W is a registered trademark of E. I. DuPont de Nemours & Co. (Inc.)

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PEANUTS

RESTRICTIONS AND LIMITATIONS: Do not feed treated peanut vines and peanut hay to livestock. Do not apply if peanuts are under stress from drought as injury to peanuts may occur

For best results, apply 2,4-DB 1 75 when the weeds are one to two inches in size. For ground application, use 10 to 30 gallons of spray solution per acre. For air application, use 5 gallons of spray solution per acre.

Georgia, Virginia, North Carolina, Alabama, Florida, Arkansas: Apply 0.9 to 1.1 pints (equivalent to 0.2 to 0.25 pounds active 2,4-DB acid) of 2,4-DB 1 75 per acre on peanuts 2 to 12 weeks after planting. For late germinating cocklebur and morningglory, apply a second application about 3 weeks after the first application. In the Virginia-Carolina area, do not apply later than 45 days before harvest.

Oklahoma, Texas, and New Mexico: Apply 0.9 to 1.8 pints (0.2 to 0.4 pounds active 2,4-DB acid) of 2,4-DB 1 75 per acre. Use the low rate on morningglory and cocklebur up to 12 inches in size. Use the higher rate on other weeds. 2,4-DB 1 75 may be applied twice during the season. For best suppression of Sida, space the treatments 14 days apart. The second application should not be made later than 100 days after planting or 30 days before harvest.

ACREAGE TO SPRAY	AMOUNT OF 2,4-DB 1 75 TO USE	
	@ 0.2 lb./A Active	@ 0.4 lb./A Active
1	0.9 pt. or 14.6 ozs.	1.8 pts. or 29.0 ozs.
8.75	1 gallon	2 gallons

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NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such

