

PM 23 34704-4

TERESA 10/6



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

MAR 24 1994

William M. Mahlburg
AGENT FOR: PLATTE CHEMICAL CO., INC.
BOX 667
GREELEY, CO. 80632

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 11/18/93 in Response to PR Notice 93-7
EPA Reg. No. 34704-4
BALCOM LV4 ESTER WEED KILLER

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/Candle Ink on paper that
contains at least 50% recycled fiber

2016

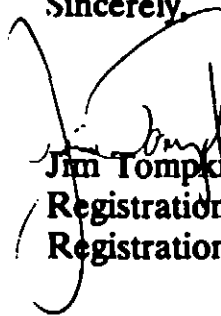
Submit the final printed labeling via the U.S. Postal Service to:

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

306

WILLIAM M. MAHLBURG
34704-4 11/18/93
BALCOM LV4 ESTER WEED KILLER
Original Submission

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

Remove the statement "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." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

4016

PROPOSED LABEL

ACCEPTED with COMMENTS in EPA Letter Dated

MAR 24 1994



LV-4

Under the Federal Insecticide, Fungicide, and Rodenticide Act amended, for the pesticide registered under EPA Reg. No. 34704-4

ESTER WEED KILLER

Low Volatile emulsifiable formulation for controlling certain weeds in corn, sorghum, certain small grains, pastures, and other non-crop areas.

ACTIVE INGREDIENT:
Isocetyl (2-ethylhexyl) ester of 2,4-Dichlorophenoxyacetic acid 65.5%*

INERT INGREDIENTS: 34.5%

TOTAL **100.0%**

*Equivalent to 43.4% 2,4-D acid or 3.8 pounds per gallon.
*Isomer specific by AOAC Method No. 6.275-6.279 (13th Ed.)

USER SAFETY RECOMMENDATIONS

Do not use on newly seeded lawns. Creeping grasses, such as bent, are injured by 2,4-D and should not be sprayed unless spot applications are made on weeds and localized turf injury can be tolerated. White clover or other Legumes are damaged by 2,4-D.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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 contaminate water when disposing of equipment washwaters.

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.

IMPORTANT NOTE: Extreme care must be used when applying 2,4-D to prevent injuring desirable plants and crops. 2,4-D should not be used in susceptible crops such as cotton, tomatoes, vegetables, grapes, fruit trees, soybeans, tobacco, or beans. Do not allow spray mist to drift on to such plants, since even minute quantities of spray may cause severe injury. Use low pressures when spraying to produce coarse sprays which are less likely to drift. Do not spray on windy days. Esters of 2,4-D produce vapors after application which may injure susceptible plants in the vicinity.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements

EPA REG. NO. 34704-4

EPA EST. NO. 37507-MT-1

NET CONTENTS _____ U.S. GALLONS

3484

WPSEX06P03

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May cause skin irritation. Avoid contact with eyes, skin or clothing. Harmful if swallowed. Do not contaminate water used for irrigation, domestic or spray purposes.

Personal Protective Equipment
Some minor irritants and chemicals may react with the product. See label for more information. Do not use in areas where the EPA chemical hazard category is 2 or higher. Applicators and other handlers must wear long-sleeved shirt and long pants, closed-toe shoes, socks, and a hat. Wear eye protection. Rubber neoprene gloves, boots and goggles are required. Do not eat, drink, or smoke while handling this product. Wash hands thoroughly with soap and water after handling. Do not use PPE if it is damaged or worn. Change PPE if it becomes contaminated.

Engineering controls statements
For containers over 1 gallon and less than 5 gallons in capacity. Mixers and loaders should not use a mechanical system. Use a pump to transfer the contents of this container. The container must be covered or a chemical resistant apron added to other required PPE.

Engineering controls statements
When handlers use and load containers in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.210), the handler PPE requirements may be reduced or modified as specified in the WPS.

Engineering controls statements
For containers of 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 used before removal. The mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.210 (d)(4)). The handler PPE requirements may be reduced or modified as specified in the WPS.

Do not use in greenhouses.

Large amounts of 2,4-D in soil may temporarily inhibit seed germination. Never use more 2,4-D than recommended.

Keep container closed when not in use, and do not reuse for other purposes.

Do not use in any manner other than recommended on the label to avoid possible crop injury or residues at harvest.

It is best to use a separate sprayer for application of 2,4-D herbicides. If the same sprayer must be used for other crop spraying, it should be flushed thoroughly with water immediately after use. Next, fill equipment with water containing one volume household ammonia to 100 volumes of water, and allow to stand for one day. Then flush equipment thoroughly, including hoses and nozzles, several times with water.

PHYSICAL & CHEMICAL HAZARDS

Do not use or store near heat or open flame. In case of fire, use water spray, foam, dry chemical or CO₂.

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 if you consult the agency responsible for pesticide regulation.

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. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

USE REQUIREMENTS FOR PASTURE AND NONCROP AREAS OTHER THAN TURF: Do not enter treatment areas until spray has dried and do not use feed for early entry to treatment areas. Wear eye protection, chemical-resistant gloves, long-sleeved shirt, long pants, socks, and shoes.

TURF USE REQUIREMENTS: Do not allow people other than applicators or persons in the treatment area during application. Do not enter treatment areas until spray has dried.

NOTE: For agricultural plants being grown for sale or other commercial use as seed or for commercial seed production or for research purposes, consult the WPS USE REQUIREMENTS on this label.

- | | |
|----------------|--------------------------|
| Bindweed | Locoweed |
| Buckwheat | Mexican Weed |
| Blueweed | Morningglory |
| Buckbrush | Pigweed |
| Canada Thistle | Poison Ivy |
| Cottonwood | Ragweed |
| Dock | Sheep sorrel |
| Milkweed | Shepherds Purse |
| Hemp | White Top or Hoary Cress |
| Horse Nettle | Wild Onion |
| Indigo | Willows |
| Klamath Weed | |

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

SMALL GRAINS (Wheat, Barley, Rye)—Use 1/2 pint per acre for controlling annual and biennial weeds such as Ragweed, Mustard, Lambsquarter, Pigweed, and Wild Radish. Treat after the crop is well tillered and before the boot stage; or after the milk stage. For perennial weeds such as Bindweed, Knotweed, Canada Thistle, and Wild Morning Glory use 3/4 pint per acre when weeds are in the pre-bloom stage, but avoid application when crop is in the boot to dough stage. Fall planted grains should not be treated until the following spring when crop is fully tillered and before the boot stage. Grain underseeded with legume should not be sprayed unless injury to the legumes can be tolerated. Do not forage or graze treated grain field within 2 weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

CORN—For controlling susceptible annual or perennial weeds, apply not more than 1/2 pint per acre. If crop is 8 inches or taller, avoid application of 2,4-D to the growing point. Use drop nozzles and direct spray near base of the crop. Do not use after tassels appear. Different varieties may vary in susceptibility to 2,4-D. Do not use 2,4-D in corn grown for the production of hybrid seed. Consult your state agricultural experiment station or extension service weed specialist for specific recommendations. Avoid cultivating soon after treatment, when corn may be brittle.

For pre-emergence treatment of weeds in corn, use 1 1/2 to 3 pints per acre, applied as a broadcast spray 1 to 3 days before crop emergence. Do not use pre-emergence sprays on light, sandy soils.

SORGHUM—Apply 1/2 pint per acre. Crop is most tolerant to 2,4-D when 4 to 12 inches tall. Use drop nozzles when crop is over 10 inches high. Do not use when plants are less than 3 inches tall, or after 12 inches tall. Do not apply during flowering or early dough stage. Consult your state agricultural experiment station or extension service weed specialist for specific recommendations.

STORAGE AND DISPOSAL

PROMPTIONS: Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the product. Do not store below temperature of 0°F. If frozen, warm to 45°F, and redissolve before using by rolling or shaking the container. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

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: Metal: 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. Plastic: 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 product is recommended for controlling weeds that are difficult to kill such as certain perennials and woody brush plants growing in non-crop areas, rights-of-way, fence rows, and pastures. It is designed for application after dilution with either water or oil. It is considerably less volatile than either the isopropyl or butyl esters, but care must be exercised in its use as outlined in the IMPORTANT NOTE. When used in food crops, do not apply after edible food portion of crop has begun to form.

Apply CLEAN CROP® LV-4 ESTER WEED KILLER when weeds are small, succulent, and growing rapidly. Lack of moisture may cause less effective control. If possible, treat perennial weeds just before the bloom stage. Use enough water per acre to give uniform coverage. The amount of water may vary from 5 to 10 gallons per acre for low volume sprayers up to 200 to 300 gallons per acre if required by the sprayer for good coverage. In either case, use the same amount of 2,4-D per acre. Add CLEAN CROP® LV-4 ESTER WEED KILLER to water in the spray tank while filling, and mix thoroughly.

The recommended rates for specific crops should be considered as general. Consult your state agricultural experiment station or extension service weed specialist for local recommendations regarding dosages, method of application and timing of sprays. Use of this product may be governed in certain areas by local regulations.

SUSCEPTIBLE WEEDS

- | | |
|----------------|-------------------|
| Alligator Weed | Lambsquarter |
| Arrowhead | Marsh Elder |
| Buckhorn | Mustards |
| Carpetweed | Plaintain |
| Cocklebur | Prickly Lettuce |
| Dandelion | Sunflower |
| Hedge Bindweed | Tie Vine |
| Henbit | Wild Carrot |
| Kochia | Wild Radish |
| Knotweed | Wild Sweet Potato |

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. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

USE REQUIREMENTS FOR PASTURE AND NONCROP AREAS OTHER THAN TURF: Do not enter treatment areas until spray has dried and do not use feed for early entry to treatment areas. Wear eye protection, chemical-resistant gloves, long-sleeved shirt, long pants, socks, and shoes.

TURF USE REQUIREMENTS: Do not allow people other than applicators or persons in the treatment area during application. Do not enter treatment areas until spray has dried.

NOTE: For agricultural plants being grown for sale or other commercial use as seed or for commercial seed production or for research purposes, consult the WPS USE REQUIREMENTS on this label.

PASTURES, LAWNS, GOLF COURSES AND SIMILAR TURF—Apply 2 pints CLEAN CROP® LV-4 ESTER WEED KILLER per acre in sufficient water to provide good coverage. For small areas, use 1 tablespoonful per gallon of water. Do not apply to newly seeded areas until grass has become well established. Do not use on bent or other creeping grasses. Clover or other legumes may be injured by 2,4-D, especially during hot summer weather. Avoid spraying grains or seed grasses when in the blossoming or pollinating stage. Spray or vapors from this product may injure Dichondra. For turf, the maximum number of broadcast applications per treatment site is 2 per year.

Do not graze dairy animals on treated areas within 7 days after application. Do not graze meat animals on treated areas within 3 days before slaughter. Do not cut treated grass for hay within 30 days after application.

NON-CROP AREAS—For controlling annual and perennial weeds in fence rows, drainage ditchbanks, roadsides, and similar areas, use 2 to 3 pints in 100 gallons of water and wet foliage thoroughly. Repeat applications may be necessary on certain difficult to kill perennials, such as Canada Thistle, Bindweed, Wild Morningglory, and White Top. Repeat when regrowth is visible. Use only where drift will not injure susceptible vegetation.

NOTE: For spot treatment of weeds in crops listed above, use 1 1/2 tablespoonfuls per gallon of water.

LV-4
EPA REG. NO. 34704-4

NOTICE

PLATTE WARRANTS THAT 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 THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE 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 PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

BEST AVAILABLE COPY

FORMULATED FOR
PLATTE CHEMICAL CO.
150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697