

4103 34704-124

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NOV 16 1993

William Mahlburg
 Platte Chemical Co.
 419 18th Street
 P.O. Box 667
 Greeley, Colorado 80632-0667

Dear Mr. Mahlburg:

Subject: Supplemental Labeling - 2,4-D Use in Reduced or No-Tillage Soybeans (Pre-plant Only)
 Clean Crop Amine 4 2,4-D Weed Killer
 EPA Registration Number 34704-120
 Clean Crop Low Vol 4 Ester Weed Killer
 EPA Registration Number 34704-124 ✓
 Defy Non-Volatile 2,4-D Broadleaf Herbicide
 EPA Registration Number 34704-606
 Salvo
 EPA Registration Number 34704-609
 Your Submission Dated March 5, 1993

The Agency is conditionally approving an amendment to the registration of the above-referenced product under the authority of section 3(c)(7)(B) of the Federal Insecticide, Fungicide Act (FIFRA). This amendment allows use of the subject product on reduced or no-tillage soybeans (pre-plant only) with a maximum permissible level for residues of the herbicide in or on soybeans of 0.1 ppm. This amendment will expire automatically on December 31, 1995. In addition, during the period that this amendment is effective, it will be subject to the conditions listed below.

1. To maintain your registration, the following data must be submitted to the Agency by the Industry Task Force II for 2,4-D Research Data:

- a. Field residue trials using proposed and exaggerated rates with the ester formulation, conducted in seven (7) states of TN, AR, IN, IL, MN, MO and MS or LA. - Due Date: January 31, 1994
- b. Bridging studies with the ester and amine formulations conducted in three (3) locations, likely IL, MN, and MS or LA. - Due Date: January 31, 1994

CONCURRENCES

SYMBOL	7505C						
SURNAME	Rebbins						
DATE	11/16/93						

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c. Plant metabolism studies, in three (3) representative, dissimilar crops - Due Date: January 31, 1994

d. Animal metabolism studies (poultry and ruminant) as outlined in the Residue Chemistry Chapter of 2,4-D Registration Standard - Due Date: January 31, 1994

e. Adequate storage stability data for all analyses - Due Date: January 31, 1994

2. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

3. Submit production information (pounds or gallons produced) for the product for the fiscal year in which this use is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The product information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Registration Support Branch
 Registration Division (H7505C)
 Environmental Protection Agency
 Washington, DC 20460

4. On the label, under "Application Restrictions and Precautions, change the statement "Restrict livestock from grazing treated crops" to "Restrict livestock from grazing treated fields." Also, add the statement "Livestock should be restricted from feeding/grazing of treated cover crops."

5. Submit one (1) copy of your final printed labeling before you release the product for shipment.

You should note that if you fail to satisfy any of the conditions imposed on this registration, e.g., you fail to submit the required data by the specified deadlines or the data

CONCURRENCES

SYMBOL	2084							
SURNAME	Robbins							
DATE	11/16/93							

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submitted were not generated in accordance with the applicable test guidelines, EPA may issue a notice to cancel this amendment under FIFRA section 6(e).

You should also note that, regardless of whether you satisfy all applicable conditions, this conditional registration will expire automatically on December 31, 1995. Sale and distribution

of the subject product bearing labeling for this use on reduced or no-tillage soybeans (pre-plant only) after December 31, 1995 will be illegal. The tolerance authorizing residues of the subject product will also expire automatically, two (2) years after the date published in the FEDERAL REGISTER. After that date, sale or distribution of food in interstate commerce containing any residue of the subject product will be a violation of the Federal Food, Drug, and Cosmetic Act.

Finally, once the required data have been submitted and a permanent tolerance established, EPA will entertain an application to amend the registration of the subject product without any special limitations on the duration of the amendment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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

Enclosures

CONCURRENCES							
SYMBOL	7505C						
SURNAME	Robbins						
DATE	11/16/93						

SUPPLEMENTAL LABELING

(CONTAINS ADDITIONAL INFORMATION WHICH MAY NOT APPEAR ON PACKAGE LABEL.)

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LOW VOL 4 ESTER WEED KILLER

EPA REG. NO. 34704-124

**FOR USE IN CROP RESIDUE MANAGEMENT SYSTEMS IN
SOYBEANS (Preplant only)**

GENERAL INFORMATION

LOW VOL 4 is a phenoxy-type herbicide that provides postemergence control of many susceptible annual and perennial broadleaf weeds. LOW VOL 4 may be applied prior to planting soybeans to provide foliar burndown control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. LOW VOL 4 should only be applied preplant to soybeans in situations such as reduced tillage production systems, where emerged weeds are present. Apply only according to the application instructions given below. Do not use any tillage operations between application of LOW VOL 4 and planting of soybeans.

MIXING INSTRUCTIONS

Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may increase the herbicidal effectiveness of LOW VOL 4 on certain weeds and may be added to the spray tank. Read and follow all directions and precautions on this label and on the label of each product added to the spray mixture.

APPLICATION PROCEDURES

Apply using air or ground equipment in sufficient gallonage to obtain adequate coverage of weeds. Use 2 or more gallons of water per acre in aerial equipment and 10 or more gallons of spray mixture per acre for ground equipment.

APPLICATION TIMING AND USE RATES

Maximum Rate Per Acre	When to Apply (Days prior to planting soybeans)
1 pint	NOT LESS THAN 7 DAYS
2 pints	NOT LESS THAN 30 DAYS

ACCEPTED
with COMMENTS
by EPA

WEEDS CONTROLLED

alfalfa*
bindweed*
bullnettle
bittercress, smallflowered
buttercup, smallflowered
Carolina geranium
cinquefoil, common and rough
clover, red*
cocklebur, common
dandelion*
dock, curly*
eveningprimrose, cutleaf
garlic, wild*

horseweed or marestalk
ironweed
lambsquarters, common
lettuce, prickly
morningglory, annual
mousetail
mustard, wild
onion, wild*
pennycress, field
peppergrass*
plantains
purslane, common

ragweed, common
ragweed, giant
shepherdspurse
smartweed, Pennsylvania
sowthistle, annual
speedwell
thistle, Canada*
thistle, bull
velvetleaf
vetch, hairy*
Virginia copperleaf

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* These species are only partially controlled.

In general, weeds should be small, actively growing and free of stress caused by extremes in climatic conditions, diseases, or insect damage at the time of treatment. The response of individual weeds species to LOW VOL 4 is variable. Consult your local county or state Agricultural Extension Service or crop consultant for advice.

APPLICATION RESTRICTIONS AND PRECAUTIONS

Important Notice: Unacceptable injury to soybeans planted in fields previously treated with LOW VOL 4 may occur. Whether or not soybean injury occurs and the extent of the injury will depend on weather (temperature and rainfall) from herbicide application until soybean emergence and agronomic factors such as the amount of weed vegetation and previous crop residue present. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present at the time of application. Do not apply LOW VOL 4 as described on this label unless you are prepared to accept soybean injury, including loss of stand and yield.

Apply a maximum of one application per growing season regardless of the treatment rate.

Do not use on sandy soils with less than 1% organic matter.

Do not replant fields treated with LOW VOL 4 in the same growing season with crops other than those labeled for use with LOW VOL 4.

Do not apply LOW VOL 4 when weather conditions such as temperature air inversions or wind favor drift from treated areas to susceptible plants.
Livestock Grazing Restriction: Do not feed hay, forage or fodder. Restrict livestock from grazing treated crops.

In fields previously treated with LOW VOL 4, plant soybean seed as deep as practical or at least 1 inch deep. Adjust the planter, if necessary, to ensure that planted seed is completely covered.

FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NE 68025-5697

BEST AVAILABLE COPY