

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Reg # 62719-3

PM-23

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Mr. Larry E. Hammond
 DowElanco
 Quad IV
 9002 Purdue Road
 Indianapolis, IN 46268

BEST AVAILABLE COPY

Dear Mr. Hammond:

Subject: Label Amendment - 2,4-D Use in Reduced or No-Tillage Soybeans (Pre-plant Only)
 Formula 40 Herbicide
 EPA Registration Number 62719-1
 DMA 6 Herbicide
 EPA Registration Number 62719-2
 DMA 4 Herbicide
 EPA Registration Number 62719-3
 Weedkiller 4D Herbicide
 EPA Registration Number 62719-9
 Submitted September 4, 1992

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 conducted in seven (7) states of TN, AR, IN, IL, MN, MO and MS or LA. - Due Date: January 31, 1994
- b. Exaggerated residue conducted in three (3) locations, likely IL, MN, and MS or LA. - Due Date: January 31, 1994

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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:

Environmental Protection Agency
 Registration Division (H7505C)
 Registration Support Branch
 401 M Street, S.W.
 Washington, DC 20460

4. 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 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

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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
Registration Division (H7505C)

Enclosures

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SYMBOL	H7505C						
SURNAME	R. M. ...						
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Supplemental Labeling



DowElanco

Quad IV, 9002 Purdue Road

P.O. Box 681428

Indianapolis, Indiana 46268-1189 USA

~~Formula 40* Herbicide (EPA Reg. No. 62719-1)~~
DMA* 4 Herbicide (EPA Reg. No. 62719-3)

For Use in Crop Residue Management Systems in Soybeans (Preplant Application Only)

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for ~~Formula 40~~ or DMA-4 herbicides before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of ~~Formula 40~~ or DMA-4 herbicides according to this supplemental labeling is subject to all use precautions and limitations imposed by the labels affixed to product containers and this supplemental labeling.

Directions for Use

General Information

~~Formula 40~~ or DMA-4 herbicides may be used for postemergence control of many susceptible annual and perennial broadleaf weeds. These products may be applied prior to planting soybeans to provide foliar burn-down control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. Make only preplant applications to emerged weeds prior to planting soybeans grown in reduced tillage production systems. Apply only according to instructions given below.

Do not use any tillage operations between herbicide application and planting of soybeans.

Mixing Instructions

Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may be added to spray mixtures to increase the herbicidal effectiveness of ~~Formula 40~~ or DMA-4 herbicides on certain weeds. 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 a spray volume sufficient to provide uniform coverage on weeds. Use 2 or more gallons of total spray volume per acre for aerial application and 10 or more gallons per acre for ground equipment.

Application Timing and Use Rates

Product	Broadcast Application Rate	When to Apply (Days prior to planting soybeans)
Formula 40 or DMA-4	1.0 pt/acre	Not less than 15 days
	2.0 pt/acre	Not Less than 30 days

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Weeds Controlled

alfalfa†	geranium, Carolina	purslane, common
bindweed†	horseweed or mare's tail	ragweed, common
bullnettle	ironweed	ragweed, giant
bittercress, smallflowered	lambsquarters, common	shepherdspurse
buttercup, smallflowered	lettuce, prickly	smartweed, Pennsylvania†
cinquefoil, common and rough	morningglory, annual	sowthistle, annual
clover, red†	mousetail	speedwell
cocklebur, common	mustard, wild	thistle, Canada†
dandelion†	onion, wild†	thistle bull
dock, curly†	pennycress, field	velvetleaf
eveningprimrose, cutleaf	peppergrass†	vetch, hairy†
garlic, wild†	plantains	Virginia copperleaf

†These weed species are only partially controlled.

For best weed control results, application should be made when weeds are small, actively growing and free of stress caused by temperature extremes, moisture stress, diseases, or insect damage. The control of individual weed species may be variable. Consult your local county agent or state agricultural extension specialist or crop consultant for advice.

Use Precautions and Restrictions

- **Important Notice:** Unacceptable injury to soybeans planted in treated fields may occur. Whether or not soybean injury occurs and the extent of such 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 at the time of application. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present.
- Do not use on sandy soils with less than 1.0% organic matter.
- Do not make more than one application per season regardless of the application rate used.
- Do not apply when weather conditions such as atmospheric temperature inversion or when wind direction favors drift from the treated area to susceptible plants.
- **Do not allow livestock grazing or harvest hay, forage or fodder from treated fields.** Livestock should be restricted from feeding/grazing of treated cover crops.
- In treated fields, plant soybean seed as deep as practical, but not less than 1.0 inch deep. Adjust the planter, if necessary, to ensure that planted seed is adequately covered.
- **Do not apply ~~Formula 40 or~~ DMA-4 herbicides as described in this supplemental labeling unless you are prepared to accept the results of soybean injury, including possible stand loss and/or yield reduction.**
- During the growing season following application, do not replant treated fields with crops other than those labeled for use with ~~Formula 40 or~~ DMA-4 herbicides.

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(Label Code) Approved ___/___/___
Initial printing.

Amendments

- 1) Added use for postemergence broadleaf weed control prior to planting soybeans.