

PM 23

5905-504

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 17 1995

Beverley Neale  
Helena Chemical Company  
6075 Poplar Avenue  
Suite 500  
Memphis, TN 38119

Dear Ms. Neale:

Subject: Label Amendment - 2,4-D Use in Reduced or No-Tillage  
Soybeans (Pre-plant Only);  
Weed Rhap LV-5D (Barrage)  
EPA Registration No. 5905-504  
Your Submission Dated February 22, 1994

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.
- b. Bridging studies with the ester and amine formulations conducted in three (3) locations, likely IL, MN, and MS or LA.
- c. Plant metabolism studies, in three (3) representative, dissimilar crops
- d. Animal metabolism studies (poultry and ruminant) as outlined in the Residue Chemistry Chapter of 2,4-D Registration Standard
- e. Adequate storage stability data for all analyses

| PR: 305-75461 EHB/PM23 |         | CONCURRENCES |  |  |  |  |  |
|------------------------|---------|--------------|--|--|--|--|--|
| SYMBOL                 | 7505L   |              |  |  |  |  |  |
| SURNAME                | D. KENN |              |  |  |  |  |  |
| DATE                   | 1/27/95 |              |  |  |  |  |  |

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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 (7505C)  
Registration Support Branch  
401 M Street, S.W.  
Washington, DC 20460

4. Make the following label change before you release the product for shipment:

Within the Application Instructions, the unit of measure for the application rates should specify fluid ounces.

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 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 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.

CONCURRENCES

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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 (7505C)

Enclosure

CONCURRENCES

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| DATE    |  |  |  |  |  |  |  |



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HELENA CHEMICAL COMPANY

CORPORATE OFFICE

Suite 500  
6075 Poplar Avenue  
Memphis, Tennessee 38119  
Telephone: 901/761-0050  
Telex: 12424

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

JAN 27 1985

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended for the pesticide  
registered under EPA Reg. No.  
5905-504

**SUPPLEMENTAL LABELING**

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

**WEED RHAP LV-5D (BARRAGE)**

EPA REG. NO. 5905-504

FOR USE ON SOYBEANS (PREPLANT ONLY) IN CROP RESIDUE MANAGEMENT  
SYSTEMS

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS  
OF THE EPA-REGISTERED, PACKAGE LABEL ARE TO BE FOLLOWED.

THIS LABEL MUST BE IN POSSESSION OF USER  
AT THE TIME OF APPLICATION.

**DIRECTIONS FOR USE**

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

**APPLICATION INSTRUCTIONS:** Apply 9.6 to 12.8 ounces not less than 7 days prior to planting soybeans or 12.8 to 25.6 ounces not less than 30 days prior to planting. For best weed control, apply to postemergent weeds when small, actively growing, and free of stress caused by extremes in climatic conditions, diseases, or insect damage. The response of individual weed species is variable. Consult your local county agent or state Agricultural Extension Service or crop consultant for advice. Use the higher rate on larger weeds when perennials are present. (WEEDS CONTROLLED BELOW.)

## WEEDS CONTROLLED

|                            |                        |                          |
|----------------------------|------------------------|--------------------------|
| alfalfa*                   | horseweed or marestalk | ragweed, giant           |
| bindweed*                  | ironweed               | shepherdspurse           |
| bullnettle                 | lambsquarters, common  | smartweed, Pennsylvania* |
| bittercress, smallflowered | lettuce, prickly       | sowthistle, annual       |
| buttercup, smallflowered   | morningglory, annual   | speedwell                |
| Carolina geranium          | mousetail              | thistle, Canada*         |
| cinquefoil, common & rough | mustard, wild          | thistle, bull            |
| clover, red*               | onion, wild*           | velvetleaf               |
| cocklebur, common          | pennycress, field      | vetch, hairy*            |
| dandelion*                 | peppergrass*           | Virginia copperleaf      |
| dock, curly                | plantains              |                          |
| evening primrose, cutleaf  | purslane, common       |                          |
| garlic, wild*              | ragweed, common        |                          |

\*Partially controlled

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 water per acre in ground equipment.

After applying, plant soybean seed as deep as practical or at least 1½ to 2 inches deep. Adjust the planter press wheel, if necessary, to ensure that planted seed is completely covered.

If desired, this product may be applied preplant to soybeans in tank mixtures with other herbicides such as Poast, Poast Plus, Roundup, Roundup D-Pak, Honcho, Gramoxone Extra, Prowl, Pursuit Plus, Scepter 70DG, Squadron, and others that are registered for preplant soybean use.

Compatible crop oil concentrates, agricultural surfactants, and fluid fertilizers approved for use on growing crops may increase the herbicidal effectiveness of 2,4-D on certain weeds and may be added to the spray tank. Read and follow all directions and precautions on this label and on all labels of adjuvants or fertilizers mixed with this product.

**NOTE:** Unacceptable injury to soybeans planted in treated fields 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.

Not registered for use in California.

**BEST AVAILABLE COPY**

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### USE RESTRICTIONS AND LIMITATIONS

Do not apply this product prior to planting soybeans if you are not prepared to accept the results of soybean injury, including possible loss of stand and yield.

Do not use on low organic sandy soils (less than 1.0%).

Do not apply this product when weather conditions such as temperature, air inversions, or wind favor drift from treated areas to susceptible plants.

Do not mow or cultivate weeds prior to meeting with this product as poor control may result.

Do not use any tillage operations between application and planting.

Do not feed treated hay, forage, or fodder. Restrict livestock from grazing treated fields. Do not feed or graze treated cover crops to livestock.

Only one application may be made prior to planting soybeans per growing season.

Do not replant fields treated with this product in the same growing season with crops other than those labeled for 2,4-D use.

Manufactured by  
Helena Chemical Company  
Memphis, Tn 38119

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