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121001  
SHAUGHNESSEY NO.

32  
REVIEW NO.

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EEB REVIEW

DATE: IN 7-28-88 OUT \_\_\_\_\_

FILE OR REG. NO 7969-58

PETITION OR EXP. NO. \_\_\_\_\_

DATE OF SUBMISSION 6-14-88

DATE RECEIVED BY EFED 7-25-88

RD REQUESTED COMPLETION DATE 10-7-88

EEB ESTIMATED COMPLETION DATE 10-7-88

RD ACTION CODE/TYPE OF REVIEW 335

TYPE PRODUCT(S) : I, D, H, F, N, R, S Herbicide

DATA ACCESSION NO(S). \_\_\_\_\_

PRODUCT MANAGER NO. R. Taylor (25)

PRODUCT NAME(S) Poast (Sethoxydim)

COMPANY NAME BASF Corp.

SUBMISSION PURPOSE Proposed registration of use on  
lentils

SHAUGHNESSEY NO. CHEMICAL, & FORMULATION % A.I.

121001 Sethoxydim \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

EEB REVIEW

Chemical: Poast (Sethoxydim)

100 Submission Purpose and Label Information

100.1 Submission Purpose and Pesticide Use

Registration of Sethoxydim for use on lentils.

100.2 Formulation Information

Active Ingredient:

Sethoxydim . . . . .18%  
Inert Ingredients . . . . .82%

Contains 1.5 lb ai per gallon

100.3 Application Methods, Directions, Rates

(See attached label)

100.4 Target Organism

(See attached label)

100.5 Precautionary Labeling

Environmental Hazards (excerpted from proposed labels)

Do not apply directly to water.

Do not contaminate water by cleaning of equipment or disposal of wastes.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal law.

The use of this product is controlled to prevent death or harm to Solano grass which occurs in Solano County, CALIFORNIA. Before using this product in this county you must obtain the EPA Endangered Species Bulletin (EPA/ES-85-13) available from either your County Agricultural Extension Agent, the Endangered Species Specialist in the U.S. Fish and Wildlife Service (Portland, Oregon) or the U.S. Environmental Protection Agency (San Francisco, California). THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE. THE USE OF THIS PRODUCT IS PROHIBITED IN THIS COUNTY UNLESS SPECIFIED IN THE BULLETIN.

101 Hazard Assessment

101.1 Discussion

The proposed use is for lentils. Poast is a postemergent herbicide for controlling annual and perennial grass weeds. It does not control sedges or broadleaf weeds. The maximum application rate is 2 pt./A or 0.4 lbs/A.

101.2 Likelihood of Adverse Effects on Nontarget Organisms

Data from previous EEB reviews indicate that sethoxydim is practically nontoxic to mammals, birds, and freshwater fish, and no more than slightly toxic to aquatic invertebrates. The high use rate will result in residues of less than 96 ppm on terrestrial dietary food items. Direct application to water at the maximum proposed rate would result in an aquatic EEC of less than 0.3 ppm (direct application to 6" acre-layer of water), substantially less than that expected to adversely affect aquatic fauna. Given an environmental half-life of less than four days in both soil and water, sethoxydim is not expected to cause any adverse effects in nontarget fauna.

101.3 Endangered Species Considerations

On the basis of low toxicity to mammals, birds, fish, and aquatic invertebrates, hazard to endangered species of animals is not expected from the proposed use. EEB's listing of endangered plant counties was compared with the 1982 Census of Agriculture's listing of counties for lentils. Lentils did not coincide with an endangered plants. Therefore hazard to endangered plants is not expected from the use of sethoxydim on lentils.

101.4 Adequacy of Labeling

The precautionary labeling order "Environmental Hazards" is not correct. The following statements are required:

Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment washwaters.

Under "Endangered Species Concerns" no labeling is required.

101.5                    Adequacy of Toxicity Data

The existing database is adequate to assess hazards to nontarget species.

103                    Conclusions

EEB has reviewed the proposed registrations for the use of Poast herbicide on lentils. EEB concludes that the proposed use will not result in hazard to nontarget species.

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Sethoxydim ecological effects review

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The material not included contains the following type of information:

- Identity of product inert ingredients
  - Identity of product impurities
  - Description of the product manufacturing process
  - Description of product quality control procedures
  - Identity of the source of product ingredients
  - Sales or other commercial/financial information
  - A draft product label
  - The product confidential statement of formula
  - Information about a pending registration action
  - FIFRA registration data
  - The document is a duplicate of page(s) \_\_\_\_\_
  - The document is not responsive to the request
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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