

207902
RECORD NO.

121001
SHAUGHNESSEY NO.

20
REVIEW NO.

EEB REVIEW

DATE: IN 11-20-87 OUT 24 NOV 1987

FILE OR REG. NO 88-CA-07

PETITION OR EXP. NO. _____

DATE OF SUBMISSION 11-17-87

DATE RECEIVED BY HED 11-19-87

RD REQUESTED COMPLETION DATE 12-04-87

EEB ESTIMATED COMPLETION DATE 12-04-87

RD ACTION CODE/TYPE OF REVIEW 510

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

DATA ACCESSION NO(S). _____

PRODUCT MANAGER NO. D. Stubbs (41)

PRODUCT NAME(S) Sethoxydim (Poast)

COMPANY NAME State of California

SUBMISSION PURPOSE Proposed Section 18 for use in cauliflower,
lettuce, and broccoli

SHAUGHNESSEY NO.	CHEMICAL, & FORMULATION	% A.I.
<u>121001</u>	<u>Sethoxydim</u>	<u>18%</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

EEB Review

Sethoxydim (Poast)

100 Submission Purpose and Label Information

100.1 Submission Purpose and Pesticide Use

The State of California is requesting an emergency exemption (Section 18) for the use of sethoxydim in cauliflower, lettuce, and broccoli. The herbicide is needed to control watergrass. No data were submitted with this request.

100.2 Formulation Information

Active Ingredient :

Sethoxydim 18.0%

Inert ingredients 82.0%
(1.5 lb ai per gallon)

100.3 Application Methods, Directions, Rates

See attached label.

100.4 Target Organisms

Target organism is watergrass, Echinochloa crusgalli

101 Hazard Assessment

101.1 Discussion

The proposed emergency exemption would allow the use of Poast Herbicide on 12,200 acres of cauliflower, lettuce, and broccoli in California (Imperial and Riverside Counties) . Application rate is 1.5 pints of 18% EC (0.28 lb ai) per acre, with two applications allowed.

101.2 Likelihood of Adverse Effects on Nontarget Organisms

Data from previous EEB reviews indicate that sethoxydim is practically nontoxic to mammals, birds, and fresh-water fish, and no more than slightly toxic to aquatic invertebrates. The low use rate will result in exposure concentrations of less than 150 ppm on most terrestrial dietary food items. Direct application to water at the proposed rate would result in an aquatic EEC of less than 0.15 ppm, substantially lower than the level 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

No significant impact is expected on any listed species, because of the low application rate, low toxicity, and short half-life exhibited by sethoxydim. Sethoxydim is highly toxic to members of the grass family, but none of the listed species of grasses has been found in Imperial and Riverside Counties.

103 Conclusions

The Ecological Effects Branch has completed review of the proposed emergency exemption for the use of sethoxydim on cauliflower, lettuce, and broccoli in California. Based on available data, EEB concludes that use under the proposed Section 18 is not expected to result in adverse effects on nontarget organisms.

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DEPARTMENT OF FOOD AND AGRICULTURE

1220 N Street
Sacramento, CA 95814



October 30, 1987

No. 87-21

CALIFORNIA AUTHORIZATION FOR PESTICIDE USE UNDER EPA SECTION 18
CRISIS/EXEMPTION FOR DISTRIBUTION AND USE ONLY WITHIN CALIFORNIA

Pursuant to authority granted under Section 18 of the Federal Insecticide, Fungicide and Rodenticide Act and 40 CFR, Part 166, approval is granted to use the pesticide shown below to control specified emergency.

Product: Poast Reg. No.: 7969-58-AA
Location: Imperial and Riverside Counties
Crop/Site/Commodity: Lettuce, broccoli, cauliflower
Target Pest/Problem: Watergrass
Dosage: Apply 1.5 pints product (4.5 oz. a.i.) with 2 pints of non-phytotoxic oil concentrate per acre. See Federal label for further dosage directions.
Dilution Rate: Apply in 10-20 gallons of water per acre by ground.
Apply in 5-10 gallons of water per acre by air.
Method of Application: Ground or air
Frequency/Timing of Application: Apply to actively growing grasses. A maximum of 3 pints per acre per season may be applied.
Worker Safety Reentry Interval: Do not enter treated areas until spray residues have dried.
Preharvest Interval: 30 days
Effective Date: October 30, 1987
Expiration Date: December 31, 1987
Other Requirements: A maximum of 12,200 acres may be treated.

All applicable directions, restrictions, and precautions on the EPA registered label and this label must be followed.

This labeling must be in the possession of the user at the time of pesticide application.

The Department shall be immediately informed of any adverse effects resulting from the use of this exemption.