

US EPA ARCHIVE DOCUMENT

125601
RECORD NO.

12/24/87

SHAUGHNESSEY NO.

REVIEW NO.

EEB REVIEW

DATE: IN 3-17-86 OUT

FILE OR REG. NO. 10182-EUP-39

PETITION OR EXP. NO.

DATE OF SUBMISSION 3-6-86

DATE RECEIVED BY HED 3-13-86

RD REQUESTED COMPLETION DATE 6-2-86

EEB ESTIMATED COMPLETION DATE 5-26-86

RD ACTION CODE/TYPE OF REVIEW 744

TYPE PRODUCT(S) = I, D, H, F, N, R, S Plant Growth Regulator

DATA ACCESSION NO(S).

PRODUCT MANAGER NO. R. Taylor (25)

PRODUCT NAME(S) Clipper 25C Tree Growth Retardant

COMPANY NAME ICI Americas, Inc.

SUBMISSION PURPOSE Proposed changes in EUP program

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

125601 Paclobutrazol 22.94%

PEER REVIEW

100 Submission Purpose and Label Information

100.1 Submission Purpose and Pesticide Use

ICI Americas, Inc. submitted a request for an Experimental Use Permit (EUP) to use Clipper 2SC on trees in rights-of-ways. EEP reviewed the EUP (McLane 6-28-85) and found a significant increase in exposure to endangered plants with the planned EUP. To prevent this exposure, EEP recommended labeling for the EUP. ICI responded by deleting five states and adding four other states plus Puerto Rico. The four new states are New York, New Hampshire, Oklahoma, and Kentucky. Because the use rate, application methods, and target organisms are the same as the 1985 McLane review, this review will only deal with the chances of exposure to endangered plants by use of Clipper 2SC on trees in rights-of-ways in the four new states and Puerto Rico.

100.2 Formulation Information

ACTIVE INGREDIENT

(2 RS, RS)-1-(4-chlorophenyl)-4,4-dimethyl	
-2-(1H-1,2,4-triazol-1-yl) pentan-3-ol*	22.94%
<u>INERT INGREDIENTS</u>	<u>77.06%</u>
	TOTAL 100.00%

*parlobutrazol

100.3 Application Methods, Directions, Rates

See 6-28-85 McLain review

100.4 Target Organisms

See 6-28-85 McLain review

100.5 Precautionary Labeling

See 6-28-85 McLain review

101. Hazard Assessment

101.1 Discussion

Pacllobutrazol is a plant growth regulator which, in this case, is used to slow the growth of trees. In Attachment 1, the ICI Americas, Inc. points out the advantage of this type of product to the electric utilities in controlling the growth of approximately 750,000,000 trees under power lines in the U.S. This EUP will use an average of 30 grams (0.07 lbs.) a.i./tree for the three methods of application: soil injection, basal drench and band spray. Approximately 16,000 trees on 112 acres will be treated.

101.2 Likelihood of Adverse Effects to Nontarget Organisms

Minimal adverse effects are expected to birds, fish and aquatic organisms with this EUP. See McLane 6-28-85 review for more details.

101.3 Endangered Species Considerations

Based upon the Biological Opinion for Dust herbicide for the same use as Clipper 2SC, there is no exposure to endangered plant species with this EUP except in the county of Ulster in New York. Therefore, DEER recommends that this EUP not be used in Ulster County New York.

101.4 Adequacy of Toxicity Data

The available data is adequate for this EUP.

101.5 Adequacy of Labeling

The labeling is adequate for this EUP.

102 Conclusion

EEB has reviewed the proposed EUP for the use of Clipper 2SC on trees in rights-of-ways. Based upon the available data EEB concludes that proposed use does not provide a significant increase in exposure to non target organisms and endangered species if it is not used in Ulster County New York.

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