

US EPA ARCHIVE DOCUMENT

EEE BRANCH REVIEW

DATE: IN _____ OUT _____ IN 9/3/75 OUT 9/18/75 IN _____ OUT _____
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. _____

PETITION OR EXP. PERMIT NO. 5E1648

DATE DIV. RECEIVED _____

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

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

PRODUCT MGR. NO. 24

PRODUCT NAME(S) _____

COMPANY NAME Dept. of the Army, Office of the Chief of Engineers

SUBMISSION PURPOSE Food Additive Petition

CHEMICAL & FORMULATION 6,7-dihydrodipyrido (1,2-a:2';1'-C) pyrazinedium
dibromide-Diquat

1.0 Recommendation

1.1 Adequate data are available to assess environmental chemistry hazards. We can accept this registration.

2.0 Introduction

2.1 See Environmental Chemistry Reviews of 9/5/75, 3/6/75 and 4/9/74 for diquat dibromide. Also see Evaluation for Encapsulated Copper Sulfate in ponds, lakes, etc. and Review of PPIF1073.

3.0 Direction for Use

Floating and Emerged Weeds

| <u>FOLIAGE SPRAY TREATMENTS</u> | <u>AMOUNT</u> <u>PER</u> <u>FOR SURFACE ACRE</u> |
|---|---|
| Salvinia (<u>Salvinia rotundifolia</u>) | 2 to 3 quarts |
| Waterhyacinth (<u>Eichhornia crassipes</u>) | 2 to 3 quarts |
| Waterlettuce (<u>Pistia stratiotes</u>) | 2 to 3 quarts |

FOLIAGE SPRAY TREATMENTS should be applied in sufficient water (150-200 gallons per surface acre) to thoroughly wet foliage. FOR CONTROL OF WATERLETTUCE aerial applications using 7 1/2 gallons of water per surface acre may be used. As the season progresses and vegetation increases in mass, the higher dosages indicated should be used and more uniform distribution is necessary.

Submersed Weeds

| <u>WATER TREATMENTS</u> | <u>AMOUNT PER SURFACE ACRE</u> |
|---|--------------------------------|
| Algae (<u>Spirogyra</u> and <u>Pithophora</u> spp) | 4 quarts |
| Bladderwort (<u>Utricularia</u> spp) | 4 to 8 quarts |
| Naid (<u>Najas</u> spp) | 4 quarts |
| <u>Egeria densa</u> | 4 to 8 quarts |
| <u>Hydrilla verticillata</u> | 4 to 8 quarts |

WATER TREATMENTS may be applied by injecting diquat below the water surface, or by pouring diquat directly from the container into the water while moving slowly over the water surface in a boat.

4.0 Discussion of Data

4.1 Data submitted have been reviewed in previously submitted diquat petitions. See introduction.

5.0 Conclusion

5.1 Sufficient 70-15 data are available to assess that this use of Diquat is not expected to cause environmental hazards.

5.2 This petition is being reviewed under the old procedure as no mention been made to follow new ones.

RE: 9/22/75

Ronald E. Ney Jr. 9/18/75
Frank J. Schenck 9/15/75

Environmental Chemistry Section
Samuel F. Howard

*Catfish study
needed.*

SCIENTIFIC REVIEW LOG

Type of Pesticide: (circle) I R H F D

| Reg. No. EUP No. or Petition No. | Type of Review (x) | Type of Registration Action (x) | Rec'd. in Office | Rec'd. in Branch/ Section | Reviewer Assignment, Date | Review Initiation, Date | Review Completion, Date | Final Typing, Submitted | Final Typing, Completed | Returned to PM |
|---|---|---|------------------------|------------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|
| 5E1648 | <input type="checkbox"/> Efficacy <input type="checkbox"/> Fish & Wildlife <input type="checkbox"/> Environmental Chem. <input type="checkbox"/> Human Safety <input type="checkbox"/> Toxicology <input type="checkbox"/> Chemistry <input type="checkbox"/> Label Chemistry | <input type="checkbox"/> New--Routine <input checked="" type="checkbox"/> New--Significant New Use <input type="checkbox"/> New--New Chemical <input type="checkbox"/> Amend.--Label Revision <input type="checkbox"/> Amend.--Added Uses Without Data <input type="checkbox"/> Amend.--Added Uses With Data <input type="checkbox"/> Resubmission-- Without Data <input type="checkbox"/> Resubmission--With Data | | 9/3/75 | 9/4/75 | 9/4/75 | 9/18/75 | 9/18/75 | 9/22/75 | |

SCIENTIFIC REVIEW LOG

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| SEARCHED | INDEXED | SERIALIZED | FILED |
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