

US EPA ARCHIVE DOCUMENT

## ECOLOGICAL EFFECTS BRANCH

REVIEWDATE: IN 5-22-80 OUT 6-18-80

FILE OR REG. NO. 3125-280

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

DATE DIV. RECEIVED \_\_\_\_\_

DATE OF SUBMISSION \_\_\_\_\_

DATE SUBMISSION ACCEPTED. \_\_\_\_\_

TYPE PRODUCTS(S): (I, ) D, H, F, N, R, S Insecticide

DATA ACCESSION NO(S). 242410

PRODUCT MGR. NO. Miller (16)

PRODUCT NAME(S) Monitor 4

COMPANY NAME Chemagro Agricultural Division

SUBMISSION PURPOSE Incremental risk assessment for potato use

CHEMICAL & FORMULATION O,S-Dimethyl phosphoramidothioate....40%

PESTICIDE NAME Monitor 4

100 Pesticide Label Information

1 00.1 Pesticide Use

Monitor 4 insecticide is currently registered for use on cotton, broccoli, brussels sprouts, cabbage, cauliflower and potatoes. The proposed label amendment would add a sprinkler irrigation application method to potatoes.

100.2 Formulation Information

Monitor 4 Liquid Insecticide  
O,S-Dimethyl Phosphoramidothioate.....40%  
Inerts.....60%  
4 Pounds active ingredient/gallon

100.3 Application Methods, Directions, Rates

See Appendix.

101-102 See Review by N.Cook (8/30/78).

103 Toxicological Properties

See review by L. Touart (12/28/79).

104 Hazard Assessment

104.1 Discussion

The proposed method of application by solid set sprinkler irrigation systems would not generate tail water and therefore no ditch banks or other receiving waterways would be involved.

104.2 Likelihood of Adverse Effects to Non-target Organisms

The proposed label amendment is not expected to increase the hazard to non-target organisms over presently registered uses. The application rates of the insecticide will be equal on a per acre rate basis. Spray drift from the sprinkler system is expected to be less than from conventional ground or air spraying methods.

Conclusion

The Ecological Effects Branch concurs with the label amendment of Monitor 4 to allow a sprinkler irrigation application method. No additional hazard to fish and wildlife is expected from the new application method.

*Leslie Touart*

*6/19/80*

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