

US EPA ARCHIVE DOCUMENT

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EVERY INGREDIENT INFORMATION IS NOT INCLUDED

Evaluation of Pesticide Petition No. 370680
for methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane
and other isomers and reaction products)
Submitted by Du Pont
Filed December 19, 1967

INTRODUCTION

The chemical structure for methoxychlor is as follows:



Also called methoxy DDT

The name and formulation of the product is as follows:

Marlate 50 Methoxychlor Insecticide
Methoxychlor Tech. 10.00



Du Pont is preparing the following:

Crop	Tolerance
Celery	15 ppm
Potatoes, sweet potatoes, yams	2 ppm

Registered uses. Summary pages 307, 310, 311.

DIRECTIONS FOR USE

	Celery	All Potatoes
Rate/A/A	2.25	2.25
Frequency	9 to 14 day intervals	Same
Limitation	1 day PHI	No limitations

These uses have been registered. See UDL Summary pages 307, 310, and 311.

ANALYTICAL METHODS

Electron capture GC and TLC. Sensitivity for soil 0.05 ppm and for crops 0.61 ppm.

Principal of method - Extraction with solvent, partition with acetonitrile, chromatographed on Florsax absorbent column, eluted, concentrated and determined by EGCC and TLC.

DISCUSSION OF DATA

No data

CONCLUSIONS

Methoxychlor and DDT have been granted tolerances on the crop groupings in which celery and potatoes (all types) fall. DDT has tolerances on celery and potatoes. With these factors in mind, we will give a favorable opinion.

RECOMMENDATION

A favorable opinion is given.