US EPA ARCHIVE DOCUMENT

2203

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: May 30, 1979

SUBJECT: Analysis of Alachlor in the presence of Metolachlor

FROM: K. Zee, Chemist, CBIB

TO: Dr. R. Schmitt, Acting Chief
Residue Chemistry Branch TS-769

Fifty micrograms each of metolachlor and alachlor were subjected to analysis without crop per alachlor residue method PAM II 180.249. The recovery of alachlor was quantitative, but metolachlor did not survive the method. There was no evidence of the metolachlor's hydrolyzed product 2 ethyl 6 methyl aniline.

It is concluded that metolachlor will not interfere in the analysis of alachlor and can not be hydrolyzed to its aniline by the method 180.249.

cc: Mr. W. Cox, Special Pesticide Review Division
BR #5 TS-791
Mr. R. Storherr, CBIB
Mr. C. Hall, CBIB
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