US EPA ARCHIVE DOCUMENT

AUG 28 1979

Date Out EFB: AUG 28 19

To: Product Manager Garner(23)
TS-767

Through: Dr. Gunter Zweig, Chief
Environmental Fate Branch

From: Review Section No. 1 RWCook
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 100-583,597, 9F2213

Chemical: metolachlor(2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl acetamide)

Type Product: Herbicide

Product Name: Dual 6E and 8E

Company Name: CIBA-GEIGY

Submission Purpose: peanut

ZBB Code: Sec. 3

Date in: 6/8/79

Date Completed: 8-20-79

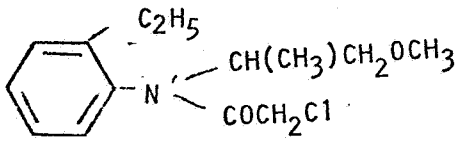
Deferrals To:

- ☐ Ecological Effects Branch
- ☐ Residue Chemistry Branch
- ☐ Toxicology Branch

I. Introduction

1.1 Registrant is requesting amendment of registration permitting the use of Dual 6E and Dual 8E, formulated herbicides, on peanuts for weed control.

1.2 Metalochlor is the common name;
Chemical name: 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide; structure



1.3 Proposed labeling indicates metalochlor to be applied at max. rate of 3.0 lb ai/A alone incorporated, post-plant incorporated, or pre-emergent or in sequential applications prior to the use of Dyanap^R.

1.4 Refer to our previous reviews of metolachlor

II Directions for Use

2.1 Dual 6E

Apply Dual 6E alone incorporated or preemergence at a broadcast rate of 2-4 pts./A.

Dual 6E + Dyanap

Apply Dual 6E same as for use alone and follow with a Dyanap^R preemergence to cracking time treatment using 6 qts./A as specified for use alone on that label.

2.2 Dual 8E.

Apply Dual 8E alone either preplant or postplant incorporated or preemergence at a broadcast rate of 1 1/2-3pts./A.

Dual 8E + Dyanap

Apply Dual 8E same as for use alone and follow with a Dyanap preemergence to cracking time treatment using 6 qts./A as specified on label for use alone.

2.3 Rotational Crops Restrictions

a. If treated crop is lost, peanuts, corn, or soybeans may be planted immediately. Do not make a second broadcast application of Dual 6E or 8E.

b. Small grains may be planted 4 1/2 mons following treatment.
c. All other rotational crops may be planted 18 mons. after application.

2.4 Note:

Dual alone or the sequential treatment with Dyanap may be applied as directed after any of the following preplant incorporated herbicides when used according to their label instructions Balan[R] at 3-4 qts /A, Cobex[R] at 1 1/2 — 3 pts. /A; Treflan[R] at 1 pt. /A; or Vernam[R] at 2 1/3 - 3 pts./A.

III Discussion of Data

This submission does not include new EC data, but references previously submitted studies of metolachlor for same categorical use. The applicable studies were reviewed and found acceptable.

IV Recommendation

The environmental chemistry data of metalochlor on file supports the use of Dual 6E and Dual 8E on peanuts as proposed.

M. Nawar 8/20/79
M. Nawar
Review Section 1