

EEE BRANCH REVIEW

Recd
File 11-1 1606

DATE: IN _____ OUT _____ 10/20/76 10/29/76 IN _____ OUT _____
FISH & WILDLIFE (ENVIRONMENTAL CHEMISTRY) EFFICACY

FILE OR REG. NO. **100-LIS**
PETITION OR EXP. PERMIT NO. _____
DATE DIV. RECEIVED _____
DATE OF SUBMISSION **3CIB-No**
DATE SUBMISSION ACCEPTED _____
TYPE PRODUCT(S): **I, D, H, F, N, R, S**
PRODUCT MGR. NO. **Jacoby (24)**
PRODUCT NAME(S) **Dual 8E**
COMPANY NAME **Ciba-Geigy**
SUBMISSION PURPOSE **Label review**
CHEMICAL & FORMULATION **2-chloro-N-(2-ethyl-5-methylphenyl)
-N-(2-methoxy-1-methylethyl) acetamide
(CGA 24705)**

- 1.0 Introduction:
- 1.1 Product name: Dual 6E, File symbol 100-LIG
- 1.2 Active ingredient: 2-chloro-N- (2-ethyl-6-methylphenyl)
-N-(2-methoxy-1-methylethyl) acetamide
- 1.3 Percent active: 55.7% (6 lbs/gallon active)
- 1.4 Product is a herbicide for use in corn grown for grain ex-
cluding popcorn.
- 1.5 Previous reviews:
 5/13/76 100-EUP-44
 2/4/76 100-EUP-38 5G1553
 1/8/76 100-EUP-6G1708
 6/24/75 5F1606
 9/11/74 100-EXP 5G-1553
 And other previous review.
- 1.6 This is a label review of 100-LIG. Use of Dual 6E alone or in
tank-mix with atrazine on corn.
- 2.0 Directions for use:
 Dual 6E Applied Alone:
 Apply Dual 6E to the surface of the soil at planting or after
 planting but before weeds and corn emerge.

Soil Texture	Broadcast* rate per acre	
	Less than 3% Organic Matter	3% Organic Matter or greater
Coarse: sand, loamy sand, sandy loam	2 2/3 pts.	2 2/3 pts.
Medium: loam, silt loam, silt	3 1/3 pts	3 1/3 pts.
Fine: Silty clay loam Sandy clay loam, silty clay, sandy clay, clay loam, clay	3 1/3 pts	4 pts

Rotational Crops: 1) if treated corn is lost due to poor germination, hail, flood, insects, etc., corn may be replanted immediately. Do not make a second broadcast application of Dual 6E. If the original application was banded and the second crop is planted in the untreated row middles, a second banded treatment may be applied. 2) Do not plant rotational crops other than corn within 18 months after application.

Tank Mixture of Dual 6E Plus AAtrex^(R) 80W or AAtrex 4L

Soil texture	Broadcast rate per acre			
	Less than 3% organic matter		0% organic matter or greater	
	Dual 6E	AAtrex 80W or AAtrex 4L	Dual 6E	AAtrex 80W or AAtrex 4L
Coarse: Sand, loamy sand, sandy loam		1.25 lbs or 1 2/3 pts 2 pts	1.5 lbs. or 1 2/3 pts 2.4 pts	
Medium Loam, silt loam, silt		2 pts 1.5 lbs or 2.4 pts		2 lbs. or 3.2 pts
Fine: Silty clay loam, sandy clay loam, silty clay, sandy clay, clay loam		2 2/3 pts 2 lbs. or 3.2 pts	2 2/3 pts	2.0-2.5 lbs.** or 3.2-4.0 pts**

Rotational Crops: 1) If corn treated with Dual 6E + AAtrex is lost due to poor germination, hail, flood, insects, etc., corn may be replanted immediately. Do not make a second broadcast application. If the original application was banded and the second crop is planted in the untreated row middles, a second band treatment may be applied. 2) Do not plant rotational crops other than corn within 18 months after application.

Note: Use only on corn grown for grain. Do not use on sweet corn or popcorn. Corn forage and fodder should not be grazed or fed to livestock or used for silage. Do not use in Wisconsin.

3.0 Discussion of Data:

3.1 No data were submitted or referenced.

3.2 It appears that EC comments are invited on a proposed use of Dual 6E and tank mixes with atrazine on corn. An 18 month crop rotation restriction (see 2.0) is placed on both uses.

4.0 Conclusions: To PM Facoby

4.1 It does not appear that the rotational crop data, tank mix data and other data requested in connection with our review of 6/24/75 (5F1606, use on field corn) have been submitted. All data required by Section 3 of the regulations must be submitted or referenced prior to registration.

- 4.2 The 18 month crop rotation restriction was allowed for the purpose of experimental uses (ex 100-EUP (5G1708), 100-EUP-38, 100-EUP-44) and does not apply to final registration actions. All rotational crop restrictions must be fully supported by submitted or referenced data for final registration.
- 4.3 Acceptable tank-mix data along with all other data requirements must be submitted or referenced prior to registration.
- 4.4 We could not concur.

RET Fey 11/4/76

Ronald E. Ney, Jr.
EEE Branch
Environmental Chemistry Section

Arthur O. Schermer 11/5/76