

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

DATE: IN 2/8/80 OUT 2/15/80

FILE OR REG. NO. 100-597

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED January 21, 1980

DATE OF SUBMISSION January 10, 1980

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, (H), F, N, R, S Herbicide

DATA ACCESSION NO(S). _____

PRODUCT MGR. NO. Willa Garner (23)

PRODUCT NAME(S) Dual 8E

COMPANY NAME Ciba-Geigy

SUBMISSION PURPOSE Review of revised finished label.

CHEMICAL & FORMULATION Metolachlor: 2-chloro-N-(2-ethyl-6-

methylphenyl)-N-(2-methoxy-1-methylethyl)

acetamide- 86.4% (8 lbs ai/gal).

200.0 Introduction

Ciba-Geigy is requesting review of a revised "combined" label of Dual 8E, EPA Registration No. 100-597; re-submitted on January 10, 1980.

In a previous submission, October 16, 1979; Ciba-Geigy expanded use pattern to include use to potatoes, sweet corn, and popcorn. After an initial review and consultations with Dr. Jack Norton, a company representative, it was agreed to delete these uses and re-submit a final revised label.

201.0 Revised Label

Revised Dual 8E label, submitted on January 10, 1980, contained the following additional amendments:

1. Use to peanuts for weed control, either by Dual 8E alone or Dual 8E plus Dyanap tank mix. This amendment as outlined on the Dual 6E Label is in accordance to our previous reviews and recommendations (submission of October 5, 1979).
2. Use to grain sorghum for weed control using Dual 8E in a tank mix with AAtrex, Milogard, or Igran. This amendment as outlined on the Dual 8E Label is in accordance with our previous reviews and recommendations (submission of June 30, 1978).
3. Added weed control of prairie cupgrass by Dual 8E alone, or by Dual 8E tank-mix combinations with various herbicides currently approved on the Dual 8E label.

Revised Dual 8E label did not warn against use to sweet corn. Additionally, the company deleted the herbicide tank-mix compatibility chart which gives the amount of herbicide(s) to be mixed with fertilizers. Instead, they added two short paragraphs giving use instructions on compatibility testing of Dual 8E plus other liquid herbicides and wettable powder herbicides when either water or fluid fertilizer is to be used as carrier.

~~202.0 Label Comments~~

~~1. Label must warn against use by aerial equipment.~~

~~2. Label must warn against use to sweet corn.~~

202.0 Label Comments

1. It is noted that use on popcorn, silage corn, sweet corn and corn grown for breeding purposes has been added to the revised Label.

2. The label must indicate if aerial and/or ground application is intended. If aerial application is intended, appropriate use direction and drift precautions must be added. If aerial application is not intended add the label statement

203.0

Notes to PM "Do not apply through aerial application equipment."

1. Since the efficacy waiver, product performance (efficacy, phytotoxicity, yield and quality data) data cannot be required for the added uses on popcorn, silage corn, sweetcorn, and corn grown for breeding purposes; however, the tolerance situation for these crops should be investigated.

2. If the registrant indicates in his reply that the product is intended for aerial application, then the package must be sent to Dr Robert Holst (HFD, EFB) for review for hazards to non-target species.

204.0

Recommendations

Revised Dual Label, submitted on January 13, 1980 will be accepted after concurrence with HFD as noted above (203.0).

Sami Malala 3/7/80 F 3/12/80
TSS, HFB, Registration