Shaughnessy #: 105001

EFB Logout Date: MAR 15 1983

TO: William Miller
Product Manager #12
Registration Division (TS-767)

From: Emil Regelman, Acting Chief
Review Section No. 1
Environmental Fate Branch (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 241-238
Chemical: Terbufos

Type Product: Insecticide - Nematicide
Product Name: Counter
Company Name: American Cyanamid
Submission Purpose: Significant New Use - Corn

incremental risk assessment

ZBB Code: 3 (c)(7) ACTION CODE: 315
Date in: 1/25/83 EFB #: 162
Date Completed: 1/25/83 TAIS (level II 63 2

Deferrals To:

___ Ecological Effects Branch
___ Residue Chemistry Branch
___ Toxicology Branch Date Out:

___ 0 pages
1.0 INTRODUCTION

Chemical Name and Type of Pesticide: terbufos, S-[(1,1-dimethylethyl)thio]methyl]0,0-diethyl phosphorodithioate, nematicide.

Trade Name: COUNTER 15-G

Chemical Structure:

\[
\begin{array}{c}
\text{S} \\
\text{(CH₃CH₂O)₂-P-S-CH₂-S-C-CH₃} \\
\text{CH₃}
\end{array}
\]

The registrant is applying for an amended registration for COUNTER 15-G for a post-emergence use in field corn to control the European Corn Borer and the Banks Grass Mite. The type of application would be to broadcast granules over the top of the plants by ground or air equipment. It is currently registered for post-emergence incorporated use on field corn.

2.0 DIRECTION FOR USE

See attached label.

3.0 DISCUSSION OF DATA

No new data submitted.

4.0 RECOMMENDATION

EFB concurs with the proposed new use of COUNTER 15-G as a BROADCAST application of granules on field corn (post emergence), since the environmental fate of the active ingredient, terbufos, is known, and the new use will not alter its profile.

Herbert L. Manning, Ph.D.
Review Section #1
Environmental Fate Branch
Hazard Evaluation Division (TS-769)
FOR USE IN FIELD CORN

(EPA Reg. No. 241-238)

DIRECTIONS FOR USE

BEFORE USING, READ PRECAUTIONARY STATEMENTS ON BAG

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. COUNTER 15-G should be applied with a granular pesticide applicator properly calibrated to assure placement and proper dosage. See label for specific instructions.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pest(s) Controlled</th>
<th>Rate of COUNTER 15-G</th>
<th>Application</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIELD CORN</td>
<td>European Corn Borer (2nd generation), Barns Grass Mite</td>
<td>6.0 lbs. per acre</td>
<td>Broadcast granules over the top of the plants by ground or air equipment prior to denting.</td>
<td>DO NOT enter field until 30 days post-treatment. Use of this pesticide is not intended for home gardens or on plants grown for food. Do not apply at a rate greater than that specified. Consult your county extension service, agricultural engineer, or certified applicator prior to application.</td>
</tr>
<tr>
<td>Post-Emergence</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Active Ingredient:
Terbufos [S-[(1,1-dimethylethyl)thio]methyl] 0,0-diethyl phosphorodithioate) ..................15.0%
Inert Ingredients .........................................................85.0%

EPA Reg. No. 241-238

KEEP OUT OF REACH OF CHILDREN

POISON - DANGER

MAY BE FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.
RAPIDLY ABSORBED THROUGH SKIN.
REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO POISONING.

See Back Panel For Antidote And Other Warnings.

Net Weight: 50 lbs.
22.68 kg.

24696-08

SOLD BY
AMERICAN CYANAMID COMPANY
AGRICULTURAL DIVISION - WAYNE, N.J. 07470

MADE AND PRINTED IN U.S.A.
DISCLAIMER

The labels on this product reflect the opinion of experts based on field use and tests. The direction are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks entirely associated with use of this product. The improper use, misapplication, or provision of guidance materials, the use or application of product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company will not only test the material contained herein conforms to its chemical description on the label and is reasonably fit for the use therein when used in accordance with the directions for use subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential or incidental damages such as loss of profits or values of any other specific or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of fitness or merchantability.

DIRECTIONS FOR USE

Before using, read precautionary statements.

COUNCIAL 5G should be applied with a granular or an application equipment calculated to assure accurate placement and prevent clog.

Cover generator that may be exposed to the spread of the treated and semi-moist materials by depositing immediately after water is added.

STORAGE AND DISPOSAL

Storage

Store in a secure locked area where children, unauthorized persons, and other pests cannot enter. Control in the same area with lock or field. Do not store open bags.

Precautions

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Disposal

Pesticides or surpluses that cannot be reused according to label instructions must be disposed of according to Federal, State, or local regulations and under the Resource Conservation and Recovery Act.

Container Disposal

Completely empty bag by shaking and tapping sides and bottom to loosen any clinging material. Empty residue into the collection equipment and dispose of bag in a sanitary landfill or by other approved State and local regulations.

General

Contact Federal, state or local disposal authorities for approved alternative procedures such as incineration or burning.