

Shaughnessy #: 105001

EFB Logout Date: MAR 15 1983

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

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

Attached please find the environmental fate review of:

Reg./File No.: 241-238Chemical: TerbufosType Product: Insecticide - NematicideProduct Name: CounterCompany Name: American CyanamidSubmission Purpose: Significant New Use - Cornincremental risk assesmentZBB Code: 3 (c)(7)ACTION CODE: 315Date in: 1/25/83EFB # 162Date Completed: MAR 15 1983TAIS (level II)
632

Deferrals To: _____

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

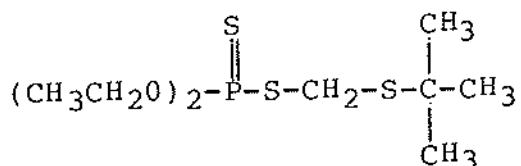
_____ Toxicology Branch Date Out:

1.0 INTRODUCTION

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

Trade Name: COUNTER 15-G

Chemical Structure:



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

?

COUNTER® 15-G

soil insecticide-nematicide

Supplemental Labeling

FOR USE IN FIELD CORN

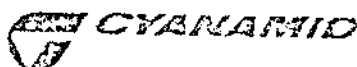
(EPA Reg. No. 241-238)

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.

Crop	Pests Controlled	Rate of COUNTER 15-G	Application	Remarks
FIELD CORN Post-Emergence	European Corn Borer (1st or 2nd generation) Banks Grass Mite	6.7 lbs. per acre	Broadcast granules over the top of the plants by ground or air equipment prior to denting.	DO NOT enter field until 30 days post-treatment. NOT make more than one application after plant emergence. DO NOT graze or cut for forage within 30 days of treatment. Consult your state experiment station or state extension service, or local management personnel for proper timing of application.



American Cyanamid Company
Agricultural Division
Wayne, N.J. 07470

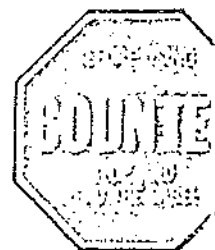
Counter[®]

15-G

ACCEPTED

SEP 20 1932

U.S. DEPT. OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D.C.



OIL INSECTICIDE-NEMATOCIDE

FOR USE IN FIELD CORN, POPCORN, SWEET CORN, SUGAR BEETS AND GRAIN SOY BEANS

CYANANIL

4

Active Ingredient:

Terbufos (S-[[[(1,1-dimethylethyl)thio]methyl] 0,0-diethyl phosphorodithioate). 15.0%
Inert Ingredients 85.0%

EPA Reg. No. 241-238

EPA Est. No.



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

PELIGRO!
AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.
[ENGLISH TRANSLATION]
DANGER!
[TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.]

Net Weight: 50 lbs.
22.68 kg.

24696-08

0-4

LOT NO.: SEE BAG SEAL

TRADEMARK

SOLD BY

AMERICAN CYANAMID COMPANY

AGRICULTURAL DIVISION - WAYNE, N.J. 07470

MADE AND PRINTED IN U.S.

5

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the 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 warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described 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, commercial damages such as loss of profits or values or any other special 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

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BEFORE USING, READ PRECAUTIONARY STATEMENTS.

COUNTER 15-G should be applied with a granular pesticide applicator properly calibrated to assure accurate placement and proper dosage. Cover granules that may be exposed on the units of the treated rows and turns and turning areas by deep discing immediately after treating fields.

Crops	Pests Controlled	Rate/COUNTER 15-G	Application	Remarks
At Planting Soybeans AND SWEET CORN	Rootworms Seedcorn maggot	PREVENT ROOTWORMS 8.12 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	BANDED Place granules in the furrow ahead of the planter in front of the press wheel. IN FURROW Place granules directly in the seed furrow behind the planter wheel.	For soybeans, use the rate shown on the label for the planter spacing. For sweet corn, use the rate shown on the label for the planter spacing.
	Wireworms Symphyla Caterpillars control through 50 days	BANDED OR IN FURROW 8.12 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	BANDED Place granules in a 2 inch band directly behind the planter wheel in front of the press wheel. IN FURROW Place granules directly in the seed furrow behind the planter wheel.	
	Grubs Juglone, Spiny Stem, Stink Grubs, Root Digger Fly Larvae Southern corn borer Cotton root borer	IN FURROW 8.12 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	IN FURROW Place granules directly in the seed furrow behind the planter wheel.	
	Reduction of White grub	BANDED 16.22 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	BANDED Place granules in a 2 inch band directly behind the planter wheel in front of the press wheel.	
At Planting (Soybeans AND SWEET CORN)	Corn rootworms	8.12 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	Apply granules to base of corn seedling in the furrow in front of the planter wheel. Use a roller to cover granules with soil.	Corn rootworm granules are applied at the time of planting.
Postemergence Soybeans AND SWEET CORN	Grubs Southern corn borer	BANDED 16.22 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	Apply granules in a 2 inch band directly behind the planter wheel in front of the press wheel. Use a roller to cover granules with soil.	Granules are applied in a band behind the planter wheel. Use a roller to cover granules with soil. Consult your local extension agent for more information on the use of this product.
SOYBEAN AND SWEET CORN At Planting or Postemergence	Seedcorn maggot	4.56 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	Apply granules in the furrow ahead of the planter in front of the press wheel.	At Planting In the furrow ahead of the planter in front of the press wheel. For postemergence, apply granules in a band behind the planter wheel. Use a roller to cover granules with soil.
SOYBEAN AND SWEET CORN At Planting	Grubs	PREVENT ROOTWORMS 8.12 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	PREVENT ROOTWORMS Place granules in the furrow ahead of the planter in front of the press wheel.	Grubs are controlled by the granules in the furrow ahead of the planter in front of the press wheel.
SOYBEAN AND SWEET CORN At Planting	Grubs	BANDED OR IN FURROW 8.12 lb per 1,000 ft of row for any row spacing minimum 20 inch row spacing	BANDED OR IN FURROW Place granules in a 2 inch band directly behind the planter wheel in front of the press wheel. IN FURROW Place granules directly in the seed furrow behind the planter wheel.	Grubs are controlled by the granules in the band behind the planter wheel or in the seed furrow behind the planter wheel.

STORAGE AND DISPOSAL

Storage

Store pesticide products in a secure locked area where children, unauthorized persons and animals cannot enter. Do not store in the same area with food or feed. Do not store opened bags.

Prohibitions

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

Pesticide Disposal

Pesticide or spillage that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures 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 the residues into the application equipment. Dispose of bags in a sanitary landfill or by other approved State and local procedures.

General

Consult Federal, state or local disposal authorities for approved alternate procedures such as limited open burning.

6