



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

May 13, 1987

MEMORANDUM

SUBJECT: Transmission of RS FRSTR Chemical Terbufos DRAFT Index Entry

TO: ADDRESSES

A copy each of the insecticide/nematicide draft Index entry (single active ingredient products only; there are no multiple active ingredient products registered) and the auxiliary documentation for the RS FRSTR chemical terbufos (105001) is attached for your organization's use and retention. Please note that the use patterns (sites) are grouped under the nine major groupings as defined in Part 158 of the Guidelines. It is important that the auxiliary documentation is read first.

Any questions regarding content should be directed to our entomologist David Brassard (557-3692) or our plant pathologist Dean Hansen (557-1629).

Phyllis L. Johnson
Phyllis L. Johnson
Project Officer, Index
Science Support Branch
Benefits and Use Division (TS-768-C)

ADDRESSES: Dr. E. David Thomas, Chief
Animal Biology and Entomology Section
Science Support Branch/BUD (TS-768-C)
Dr. William G. Phillips, Chief
Economics Analysis Branch/BUD (TS-768-C)
William H. Miller, PM-16
Insecticide-Rodenticide Branch/RD (TS-767-C)
Judy Heckman, Chief
Management Support Staff/HED (TS-769-C)
Richard M. Longmire, Chief
Farmworkers Safety Staff/PMSD (TS-757-C)

Attachment

cc: A. Aspelin
H. Harrison
D. Brassard
A. Beloian
D. Hansen

NOTE TO EPA INDEX ENTRY USERS

This "Index" entry was prepared at the beginning of Phase I in the Registration Standard process. The information contained within this document is only as current as the issue date indicates and may be different from information presented in the Registration Standard Guidance Package.

This "Index" will be updated upon receipt of the Registration Standard Guidance Document and the updated version will be included in the final Registration Standard Guidance Document.

2

TERBUFOS

TABLE OF CONTENTS**DRAFT**

OAI/OAI

105001

<u>Site Name</u>	<u>Page</u>
Corn, Field	2
Corn, Pop	3
Corn, Sweet	3
Sugar Beets	5

✱

✱ Grain sorghum to be added as per
phone conversation with D Brassard 8/24/87

6105001

TERBUFOS*

TYPE PESTICIDE: Insecticide, Acaricide, Nematicide

FORMULATIONS:

Tech (85%)

G (15%)

GENERAL WARNINGS AND LIMITATIONS:

Bee Caution: This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Agricultural Crop Tolerances (other than those listed in the text):

Sorghum, grain 0.05 ppm

Sorghum, fodder 0.5 ppm

Sorghum, forage 0.5 ppm

Definition of Terms:

Claims for pest control limited to suppression of population are indicated by parenthesized name.

*S-[[[(1,1-dimethylethyl)thio]methyl] O,O-diethyl phosphorodithioate
S-[(tert-butylthio)methyl] O,O-diethyl phosphorodithioate

Issued: 1-12-87

111-105001-1

4

TERBUFOS

<u>Site and Pest</u>	<u>Dosages and Formulation(s)</u>	<u>Tolerance, Use, Limitations</u>
----------------------	-----------------------------------	------------------------------------

TERRESTRIAL FOOD CROP(Agricultural Crops)

General warnings and Limitations: Cover granules that may be exposed on the ends of the treated rows and turns, and loading areas by deep discing after treating fields. For row applications, the amount applied per acre varies according to row width.

/28006AA	<u>Corn, Field</u>	0.05 ppm (corn, grain) 0.5 ppm (corn, field, fodder, forage) 45 day preharvest/pregrazing interval through 1 pound per acre for broadcast application (post-emergence). 7 day reentry interval through 1 pound per acre for broadcast application (postemergence). Do not make more than 2 applications per season. Do not make more than 1 application per season if more than 1.3 pounds per acre were applied at planting or if a cultivation application or postemergence application was made.
ITBMCCC	European corn borer (first or second generation)	[SLN] 1 lb/A (15% G) NE830012 SLN - Use limited to IA and NE. Postemergent soil application. May be applied by aircraft. Broadcast granules over the tops of the plants prior to denting.
ILAVANA	Banks grass mite	[SLN] 1 lb/A (15% G) NE830012 SLN - Use limited to NE and NM. Postemergent soil application. May be applied by aircraft. Broadcast granules over the tops of the plants prior to denting.
ILAVAAA	Spider mites	[SLN] 1 lb/A (15% G) IA850001 SLN - Use limited to IA. Postemergent soil application. Broadcast granules over the tops of the plants prior to denting. May be applied by aircraft.

TERBUFOS

<u>Site and Pest</u>	<u>Dosages and Formulation(s)</u>	<u>Tolerance, Use, Limitations</u>
<u>Corn, Field</u> (continued)		
NEJB8AA Lesion nematodes	[SLN] 1.2 oz/1,000 ft row (15% G) IL790014	SLN - Use limited to IL. Soil application at planting (in furrow). Place granules directly in the seed furrow behind the planter shoe.
	[SLN] 1.2-2.4 oz/ 1,000 ft row (15% G) IL790014	SLN - Use limited to IL. Soil application at planting (band). Place granules in a 7 inch band directly behind the planter shoe in front of the press wheel.
Refer to Corn, Pop cluster for additional use, tolerance and limitation information.		
/15004AA <u>Corn, Pop</u>		0.05 ppm (corn, grain)
/15005AA <u>Corn, Sweet</u>		(corn, sweet (K+CWHR))
/28006AA		0.5 ppm (corn, field, fodder, forage) (corn, pop, fodder, forage) (corn, sweet, fodder, forage)
30 day preharvest interval for fodder and pregrazing interval through 2.4 ounces per 1,000 feet of row for banded soil application (at planting or postemergent). Do not make more than 1 postemergent treatment in addition to at planting time treatments.		
INAMB8A Corn rootworms	1.2 oz/1,000 ft row (15% G)	Soil application at planting (band or in furrow). Apply a 7 inch band directly behind the planter shoe in front of the press wheel or apply directly in the seed furrow behind the planter shoe. Postemergent soil application at cultivation (band). Apply to base of plants just ahead of cultivation shovels to ensure coverage of granules. May be applied in addition to treatment at planting.

6

DRAFT

TERBUFOS

<u>Site and Pest</u>	<u>Dosages and Formulation(s)</u>	<u>Tolerance, Use, Limitations</u>
<u>Corn, Pop cluster (continued)</u>		
Garden symphylan Maize billbug Southern corn billbug Wireworms	1.2-2.4 oz/ 1,000 ft row (15% G)	Soil application at planting (band). Apply a 7 inch band directly behind the planter shoe in front of the press wheel. Labeling claims control of <u>garden symphylans</u> for up to 90 days.
	1.2 oz/1,000 ft row (15% G)	Soil application at planting (in furrow). Apply directly in the seed furrow behind the planter shoe. Labeling claims control of <u>garden symphylans</u> for up to 90 days.
Maize billbug Southern corn billbug	1.8-2.4 oz/ 1,000 ft row (15% G)	Postemergent soil application (band). Apply a 7 inch band over the seedlings and incorporate lightly into the soil with cultivator. Apply when pest or damage appears (usually 1 to 6 leaf stage). May be used in addition to treatment at planting. Consult State Extension Service or certified pest management specialist.
Seedcorn maggot	1.2 oz/1,000 ft row (15% G)	Soil application at planting (in furrow). Apply directly in the seed furrow behind the planter shoe.
(White grubs)	2.4 oz/1,000 ft row (15% G)	Soil application at planting (band). Apply a 7 inch band directly behind the planter shoe in front of the press wheel.

DRAFT

EPA Index to Pesticide Chemicals

TERBUFOS

<u>Site and Pest</u>	<u>Dosages and Formulation(s)</u>	<u>Tolerance, Use, Limitations</u>
728024AA <u>Sugar Beets</u>		0.05 ppm (roots) 0.1 ppm (tops) Banded soil application (at planting time or postemergent) through 1.35 ounces per 1,000 feet of row. Do not make more than 1 application during the year.
IOAXACA Sugarbeet root maggot	0.675-1.35 oz/1,000 ft row (15% G) 000241-00238	Soil application at planting (band). Apply a 5 to 7 inch band over the row and incorporate lightly into the soil not to exceed 2 inches deep. Power incorporation equipment may be used. Do not place granules in direct contact with the seed. Postemergent soil application (band). Apply a 5 to 7 inch band over the seedlings at first sign of fly emergence. Incorporate lightly into the soil.
NEFBCBB (Sugarbeet cyst nematode)	[SLN] 2.7 oz/1,000 ft row (15% G) 0R860003	SLN - Use limited to OR. Soil application at planting (knifed in). Drill granules 2 inches to the side of the seed and 2 to 4 inches below the seed. Do not apply at rates higher than 4.35 pounds per acre. Do not place granules in direct contact with the seed as crop injury may occur. Do not make more than 1 application during the year.

AERIAL, MOTHPROOFING, AND TANK MIX APPLICATION9001500
AAAAAAAAerial Application

--

Refer to
TERRESTRIAL FOOD CROP
(Agricultural Crops)
 Corn, Field

8

TERBUFOS

Listing of Registered Pesticide Products by Formulation

&085.000. 85% technical chemical

terbufos (105001)

000241-00241*

*jacket currently unavailable for review

&015.000+ 15% granular

terbufos (105001)

000241-00238

(000241-00238)	DR860003	IA850001	NE830012	NM860001
	IL790014			

EPA Index to Pesticide Chemicals

TERBUFOS

DRAFT

Auxiliary Documentation

NPIRS lists label number 000241-00238 as having sorghum as a site.
This label has no such site. Tolerances for sorghum are listed.

Chem. Name: TEF 64-05Date: Feb 1/87Chem No.: 105001Product Total from Printout 2 + 85LN = 10

Total Jackets Requested	Total Received	Number Used	Number Not Used
10	9	9	4

	Reg. #	PM	RB	Date Requested	Rec'd	N/A	Fiche Copy Date	Not Used	Comments
1	241-238	16		1/7/87	✓				
2	241-241	16				✓		✓	Tech Chem
3	1A85000100				✓				
4	OR-860003				✓				
5	Nm-860001				✓				
6	NE830012				/				
7	IL 790014				/				
8	MT 850003					✓			Covered by OR-860003
9	WY 850001					✓			↓
10	NE 850002					✓			
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

11