

US EPA ARCHIVE DOCUMENT

BEAD OFFICIAL RECORD



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

AUG 5 2005

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Usage Report in Support of Reregistration for the Fungicides: Difenoconazole (128847), Fenbuconazole (129011), Propiconazole (122101), Prothioconazole (113961), Tebuconazole(128997), Tetraconazole (120603), Triadimefon (109901)

FROM: Jenna Carter, Botanist *Jenna Carter*
Science Information & Analysis Branch
Biological and Economic Analysis Division (7503C)

THRU: Steve Jarboe/Jihad Alsadek, Team Leaders *Jihad A. Alsadek*
Science Information & Analysis Branch
Biological and Economic Analysis Division (7503C)

TO: Tamue Gibson
Case Review Managers
Special Review and Registration Division (7508C)

Attached is a usage report for the fungicides, Difenoconazole (128847), Fenbuconazole (129011), Propiconazole (122101), Prothioconazole (113961), Tebuconazole (128997), Tetraconazole (120603), Triadimefon (109901). The reports included in this package are electronically transmitted to Reviewers or Team Members in the Office of Pesticides Programs (OPP) in support of the Reregistration and/or Registration process and designed to help in the scientific assessments of this chemical. These reports are written in various formats (MS Word, Excel, Adobe Acrobat), so it is advised to open or save each report to view or print from the appropriate program.

For questions, comments and other usage or label use information requests, please contact the name(s) listed on the memorandum header, the **OPP Usage and Label Use Team** (our group e-mail address in Lotus Notes), or some of its members: Jihad Alsadek (308-8140), Jenna Carter (308-8370), Steve Jarboe (308-8105), Sharlita Harris (308-8147), or Rafael Prieto (308-8152). You can also complete the feedback form at your convenience. The Usage and Label Use Team (ULUT) looks forward to hearing from you.

The Usage report(s) electronically-transmitted through Lotus Notes links includes:

- Projected Percent Crop Treated

Attachments:

cc:

8/15/05

Triazoles- Projected Percent Crop Treated

To calculate the Projected percent crop treated for all crops in question all available data was collected from USDA NASS and EPA source data (1999-2004). The highest percent crop treated by a fungicide was used to estimate the highest possible future percent crop treated of the new chemical. In cases where the two sources disagreed about the highest percent crop treated the highest number was taken (to err on the side of caution). An average was taken of all the available years of data.

Crop	Proj. % CT
<u>Difenoconazole</u>	
Barley	3%
Cotton	5%
<u>Fenbuconazole</u>	
Apples	40%
Bananas	No Data
Wheat	11%
Orange	44%
Grapefruit	45%
Lemons	21%
Limes	87%
Tangelos	58%
Tangerines	29%
Citron	48%
Kumquats	72%
Cranberries	26%
Almond	48%
Peanut	80%
Plum	26%
Prune	26%
Sugarbeet	75%
<u>Propiconazole</u>	
Carrot	57%
Currant	No Data
Gooseberry	No Data
Elderberry	No Data
Garlic	53%
Onions (dry bulb)	59%
Onions (green)	No Data
Shallots (dry bulbs/green)	No Data
Leeks	No Data
Spring onions	No Data
Scallions	No Data
Eschalots (green)	No Data

Soybean	1%
Strawberry	73%
Sugarbeet	75%
Pistachio	34%
<u>Prothioconazole</u>	
Bean (dry)	No Data
Pea	2%
Canola	No Data
Barley	3%
Rice	17%
Wheat	11%
Peanut	72%
<u>Tebuconazole</u>	
Apples	40%
Crabapple	No Data
Loquat	No Data
Mayhaw	No Data
Pear	38%
Pear, oriental	No Data
Quince	No Data
Bean (dry)	1%
Bean (fresh)	No Data
Pea	2%
Barley (Foliar)?	3%
Wheat	11%
Corn, Field (seed)	No Data
Corn, Sweet	28%
Cotton	5%
Cucumbers	51%
Squash	44%
Pumpkin	44%
Hops	No Data
Lychee	No Data
Mango (Post Harvest)	No Data
Okra	20%
Soybean	1%
Apricot	45%
Cherry, Sweet (*Post Harvest not available)	46%
Plum	26%
Prunes	27%
Turnip	No Data
Almond	48%
Beech nut	No Data
Brazil nut	No Data

Cashew	No Data
Chestnut	No Data
Filbert (hazelnut)	40%
Hickory nut	No Data
Macadamia nut (bush nut)	No Data
Pecan	32%
Walnut, black and English	49%
Pistachio	34%
<u>Tetraconazole</u>	
Peanut	80%
Soybean	1%

Name: Jenna Carter

Chemical Name: Metconazole, Paclobutrazol, Prothioconazole, Bromuconazole, Triticonazole, Cyproconazole, Difenoconazole, Triadimenol

PC Code: Basic 125619, 125601, 113961, 120503, 125620, 128993, 128847, 127201

Delivered Product: Refined Usage: Projected Percent Crop Treated

We appreciate your feedback. This helps us provide you with a better service. Feedback, in a paragraph, is acceptable too.

1. Did you receive the reports in a timely manner?
Yes No

2. Were the data reports helpful in your preliminary review of this chemical (and its associated registrations)?
Yes No

If your answer is No, how could the reports be improved to better help you in your review of this chemical?

Please type your answer here:

3. Were the reports understandable?
Yes No

If No, please explain.

Please type your answer here:

4. How do you use the Usage Data Reports and the Label Use (LUIS) Reports?
Please type your answer here:

5. Do you have any additional comments or questions?
Please type your answer here:

6. What is your Division/Branch?
Please type your answer here:

Please respond to:

OPP Usage and Label Use Team

Triazoles- Projected Percent Crop Treated

To calculate the Projected percent crop treated for all crops in question all available data was collected from USDA NASS and EPA source data (1999-2004). The highest percent crop treated by a fungicide was used to estimate the highest possible future percent crop treated of the new chemical. In cases where the two sources disagreed about the highest percent crop treated the highest number was taken (to err on the side of caution). An average was taken of all the available years of data.

Crop	1999 (chemical)	2000 (chemical)	2001 (chemical)	2002 (chemical)	2003 (chemical)	2004 (chemical)	Proj. %CT
Difenoconazole:							
Barley:	--	--	--	--	3% (Propiconazole/ Tebuconazole)	--	3%
Cotton:	6% PCNB	--	5% Pentachloronitrobenz	--	4% PCNB	--	5%
Fenbuconazole:							
Apples:	37% Captan	37% Captan	40% Captan	40% Myclobutanil	44% (Myclobutanil)	--	40%
Bananas:	No data						
Wheat:	--	--	(Spring) 9% Tebuconazole	--	--	(Spring) 12% (Tebuconazole)	11%
Orange:	32% Cu Hydroxide 47% Cu Hydroxide	44% Cu Hydroxide	34% Cu Hydroxide	45% Cu Hydroxide	49% (Cu hydroxide)	--	44%
Grapefruit:	37% Cu Hydroxide 54% Cu Hydroxide	50% Cu Hydroxide	35% Fenbuconazole	52% Cu Hydroxide	53% (Cu hydroxide)	--	45%
Lemons:	24% Basic Cu Sulfate 23% Cu Hydroxide	32% Cu Hydroxide	15% Basic Cu sulfate	27% Cu Hydroxide	9% (Cu Hydroxide)	--	21%
Limes:	87% Cu Hydroxide	--	--	--	--	--	87%

Tangelos:	56% Cu Hydroxide	--	53% Cu Hydroxide	--	65% (Cu hydroxide)	--	58%
Tangerines:	28% Cu Hydroxide	--	9% Azoxystrobin/ Cu Sulfate	--	50% (Cu Hydroxide)	--	29%
Citron:	No data						
Kumquats:	No data						
Cranberries:	No data						
Almond:	35% Iprodione	55% Iprodione	53% Iprodione	47% Iprodione	49.4 % Iprodione	--	48%
Peanut:	66% Chlorothalonil 85% Chlorothalonil	-84% Chlorothalonil	82% chlorothalonil	74% Chlorothalonil	80% chlorothalonil	77% (Chlorothalonil)	80%
Plum:	19% Sulfur	32% propiconazole	26% Propiconazole	--	26% (Propiconazole)	--	26%
Prune:	31% Sulfur	32% propiconazole	18% Captan	27% Captan	23% (Cyprodinil)	--	26%
Sugarbeet:	74% Fentin	55% Tetraconazole 71% Tetraconazole	77% Tetraconazole	82% tetraconazole	74% Tetraconazole	72% tetraconazole	75%
Propiconazole:							
Carrot:	--	27% Iprodione 47% Iprodione	49% Chlorothalonil	14% (Chlorothalonil)	--	--	37%
Carrots (Processed)	--	49% Chlorothalonil	--	64% (Chlorothalonil)	--	--	57%
Currant:	No data						
Gooseberry:	No data						
Elderberry:	No data						
Garlic:	--	49% Maneb 60% Tebuconazole	42% Tebuconazole	41% Azoxystrobin (CA only?) 50% Azoxystrobin	60.6% Tebuconazole	--	53%

Onions (dry bulb):		46% Chlorothalonil 54% Mancozeb	55% Chlorthalonil	49% Mancozeb 59% Mancozeb	66.9% Mancozeb	--	59%
Onions (green):	No data						
Shallots (dry bulbs/green):	No data						
Leeks:	No data						
Spring onions:	No data						
Scallions:	No data						
Eschalots (green):	No data						
Soybean	--	--	--	--	--	1% (Azoxystrobin)	1%
Strawberry:	--	--	70% Captan	75% Captan	--	--	73%
Sugarbeet:	74% Fentin	55% Tetraconazole 71% Tetraconazole	77% Tetraconazole	82% tetraconazole	74% Tetraconazole	72% tetraconazole	75%
Pistachio	39% Sulfur	32% Azoxystrobin	47% Azoxystrobin	24% Azoxystrobin	28% THIOPHANATE-METHYL	--	34%
Prothioconazole:							
Bean (dry):	--	1%	--	--	--	--	1%
Pea:	--	3% Mefenoxam >1% (1% used in rounding)	--	1% Mefenoxam	--	1% Azoxystrobin (processed)	2%
Canola:	No data						
Barley:	--	--	--	--	3% (propicoazole)	--	3%
Rice:	--	--	17% Azoxystrobin	--	--	--	17%
Wheat:	--	--	(Spring) 9% Tebuconazole	--	--	(Spring) 12% (Tebuconazole)	11%
Crop	1999 (chemical)	2000 (chemical)	2001 (chemical)	2002 (chemical)	2003 (chemical)	2004 (chemical)	Proj. PCT
Peanut:	66%	-84%	82%	74%	80%	77% (Chlorothalonil)	80%

	Chlorothalonil 85% Chlorothalonil	Chlorothalonil	chlorothalonil	Chlorothalonil	chlorothalonil	chlorothalonil
Tebuconazole:						
Apples:	37% Captan	37% Captan	40% Captan	40% Myclobutanil	44% (Myclobutanil)	40%
Crabapple:	No data					
Loquat:	No data					
Mayhaw:	No data					
Pear:	24% Calcium Polysulfide	43% Sulfur	42% Oxytetracycline 32% Mancozeb	31% Mancozeb	48% (Triflumizole)	38%
Pear, oriental:	No data					
Quince:	No data					
Bean (dry):	--	1%	--	--	--	1%
Bean (fresh):	No data					
Pea:	--	3% Mefenoxam	--	1% Mefenoxam	--	2%
Barley (Foliar)?	--	--	--	--	3% (propicoazole)	3%
Wheat:	--	--	(Spring) 9% Tebuconazole	--	--	11%
Corn, Field (seed):	No data					
Corn, Sweet:	--	28% Propiconazole	--	15% Mancozeb	--	21%
Cotton:	6% PCNB	--	5% Pentachloronitrobenz	--	4% PCNB	5%
Cucumbers		66% Chlorolalonil		28% Azoxystrobin		51%
Squash		35% Chlorothalonil		42% Chlorothalonil		44%
Pumpkin		43% Chlorothalonil		31% Chlorothalonil		44%

Hops:	No data					
Lychee:	No data					
Mango (Post Harvest):	No data					
Okra:	--	20% Sulfur	--	--	--	1% (Azoxystrobin)
Soybean:	--	--	--	54% Iprodione	--	1%
Apricot:	43% iprodione	42% Cu Hydroxide	31% Iprodione 41% Cu Hydroxide	43% (Cu Hydroxide)	--	45%
Cherry, Sweet (Post Harvest):	52% Sulfur	36% Sulfur	37% Myclobutanil 46% Sulfur	35% (Sulfur) (not post harvest?) 47% Myclobutanil	--	46%
Plum:	19% Sulfur	32% propiconazole	26% (Propiconazole) 23% Captan	26% (Propiconazole)	--	26%
Prunes:	31% Sulfur	32% propiconazole	18% Captan 23% Captan	23% Captan (Cyprodinil)	--	27%
Turnip:	No data					
Almond:	35% Iprodione	55% Iprodione	53% Iprodione	47% Iprodione	49.4% Iprodione	48%
Beech nut:	No data					
Brazil nut:	No data					
Cashew:	No data					
Chestnut:	No data					
Filbert (hazelnut):	27% Chlorothalamil	45% Chlorothalamil	36% Tebuconazole	40% Triflumizole	51.8% Paraquat	40%
Hickory nut:	No data					
Macadamia nut (bush nut):	No data					
Pecan:	37% Triphenyltin hydroxide	32% Fentin	32% Fentin	32% Fentin	28.8% Fentin	32%
Walnut, black and English (Persian):	45% Cu Hydroxide	38% Cu Hydroxide	42% Cu Hydroxide	51% Cu Hydroxide	69% GLYPHOSATE	49%
Pistachio:	39% Sulfur	32%	47%	24%	28%	34%

	Azoxystrobin	Azoxystrobin	Azoxystrobin	THIOPHANATE-METHYL	
Tetraconazole					
Peanut:	--	--	--	--	77% (Chlorothaloni)
Soybean:	--	--	--	--	1% (Azoxystrobin)

**DATA RECORDING SHEET FOR
BEAD OFFICIAL RECORDS DATA BASE
(Revised as of 4/5/05)**

Author(s) Name(s) _____

Branches _____

Chemical(s) _____

DP Barcode _____

PC Code(s) _____

Other Identifying Codes and Numbers _____

Site(s) _____

Pest(s): _____

Pesticide Type:

- Insecticide
- Fungicide
- Herbicide
- Other _____

Bean Sheet required: Y/N

Check Category:

- Official Record
- Reference Materials
- An Electronic copy exists+have diskette
- Hard copy only

Type of Document:

- Alternatives Analysis
- Benefits Assessment
- Biological Analysis
- Economic Analysis
- ICR
- Public Interest Findings (PIF)
- Percent Crop Treated or QUA
- Reduced Risk Evaluations
- Section 18's or Emergency Exemption
- Use and Usage

Processors Only:

- Date Document Signed
- Logged In/Out OPPIN: Y/N
- Date to Lydia/Files:
- Date to Bert/Files:

Processor Initials:

Completion Date:

DATA PACKAGE BEAN SHEET

Date: 26-Jul-2005

Page 1 of 1

*** Registration Information ***

Registration: O-25977 - One-year interim report: Storage stability in 7 crop matrices

Company: 75575 - U.S. TRIAZOLE TASK FORCE

Risk Manager: RM 22 - Tony Kish - (703) 308-9443 Room# CM-2 249

Risk Manager Reviewer: Tamue Gibson TGIBSO04

Sent Date: 22-Jun-2005 Calculated Due Date: 08-Jun-2005 Edited Due Date:

Type of Registration: Miscellaneous

Action Desc: (400) NO DATA REQUIRED;

Ingredients: 1,2,4-Triazole

*** Data Package Information ***

Expedite: Yes No Date Sent: 22-Jul-2005 Due Back:

DP Ingredient: 1,2,4-Triazole

DP Title: Projected Percent Crop Treated for select Triazol

CSF Included: Yes No Label Included: Yes No Parent DP #:

Assigned To

Date In

Date Out

Organization: BEAD / IO Last Possible Science Due Date: 18-Feb-2005

Team Name: Science Due Date:

Reviewer Name: Sub-Data Package Due Date:

Contractor Name:

*** Studies Sent for Review ***

*** Additional Data Package for this Decision ***

*** Data Package Instructions ***

(BEAD). Please provide Projected Percent crop treated (New Uses-Pending) for the following triazoles and their commodities listed within the crop group table within the (40 CFR 180.41).

Difenoconazole, Fenbuconazole, Propiconazole, Prothioconazole, Tebuconazole, Tetraconazole, Triadimefon.

Any questions, please contact me at 305.9096.

Thank you.

Tamue L. Gibson

DATA PACKAGE BEAN SHEET

Date: 10-Aug-2005

Page 1 of 2

*** Registration Information ***

Registration: O-25977 - One-year interim report: Storage stability in 7 crop matrices

Company: 75576 - U.S. TRIAZOLE TASK FORCE

Risk Manager: RM 22 - Tony Kish - (703) 308-9443 Room# CM-2 249

Risk Manager Reviewer: Tamue Gibson TGIBSO04

Sent Date: 22-Jun-2005

Calculated Due Date: 08-Jun-2005

Edited Due Date:

Type of Registration: Miscellaneous

Action Desc: (400) NO DATA REQUIRED;

Ingredients: , 1,2,4-Triazole

*** Data Package Information ***

Expedite: Yes No

Date Sent: 22-Jul-2005

Due Back:

DP Ingredient: , 1,2,4-Triazole

DP Title: Projected Percent Crop Treated for select Triazol

CSF Included: Yes No

Label Included: Yes No

Parent DP #:

Assigned To

Date In

Date Out

Organization: BEAD / SIAB

22-Jul-2005

05-Aug-2005

Last Possible Science Due Date: 18-Feb-2005

Team Name:

Science Due Date:

Reviewer Name: Carter, Jenna

22-Jul-2005

05-Aug-2005

Sub Data Package Due Date:

Contractor Name:

*** Studies Sent for Review ***

No Studies

*** Additional Data Package for this Decision ***

Printed on Page 2

*** Data Package Instructions ***

(BEAD). Please provide Projected Percent crop treated (New Uses-Pending) for the following triazoles and their commodities listed within the crop group table within the (40 CFR 180.41).

Difenoconazole, Fenbuconazole, Propiconazole, Prothioconazole, Tebuconazole, Tetraconazole, Triadimefon.

Any questions, please contact me at 305.9096.

Thank you.

Tamue L. Gibson



13544

R137663

Chemical: Difenoconazole
Fenbuconazole
Propiconazole
Prothioconazole
Tebuconazole
Tetraconazole
Triadimefon

PC Code:

128847
129011
122101
113961
128997
120603
109901

HED File Code: 71000 BEAD Usage Data Report
Memo Date: 8/5/2005
File ID: 00000000
Accession #: 000-00-0116

HED Records Reference Center
1/8/2007