

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
<b><u>Difenoconazole</u></b>	
Barley	3%
Cotton	5%
<b><u>Fenbuconazole</u></b>	
Apples	40%
Bananas	<b>No Data</b>
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%
<b><u>Propiconazole</u></b>	
Carrot	57%
Currant	<b>No Data</b>
Gooseberry	<b>No Data</b>
Elderberry	<b>No Data</b>
Garlic	53%
Onions (dry bulb)	59%
Onions (green)	<b>No Data</b>
Shallots (dry bulbs/green)	<b>No Data</b>
Leeks	<b>No Data</b>
Spring onions	<b>No Data</b>
Scallions	<b>No Data</b>
Eschalots (green)	<b>No Data</b>

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

Cashew	<b>No Data</b>
Chestnut	<b>No Data</b>
Filbert (hazelnut)	40%
Hickory nut	<b>No Data</b>
Macadamia nut (bush nut)	<b>No Data</b>
Pecan	32%
Walnut, black and English	49%
Pistachio	34%
<b><u>Tetraconazole</u></b>	
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
<b>Difenoconazole:</b>							
Barley:	--	--	--	--	3% (Propiconazole/ Tebuconazole)	--	3%
Cotton:	6% PCNB	--	5% Pentachloronitrobenz	--	4% PCNB	--	5%
<b>Fenbuconazole:</b>							
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%
<b>Propiconazole:</b>							
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%
<b>Prothioconazole:</b>							
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%
<b>Crop</b>	<b>1999 (chemical)</b>	<b>2000 (chemical)</b>	<b>2001 (chemical)</b>	<b>2002 (chemical)</b>	<b>2003 (chemical)</b>	<b>2004 (chemical)</b>	<b>Proj. PCT</b>
Peanut:	66%	-84%	82%	74%	80%	77% (Chlorothalonil)	80%

	Chlorothalonil 85% Chlorothalonil	Chlorothalonil	chlorothalonil	Chlorothalonil	chlorothalonil	chlorothalonil
<b>Tebuconazole:</b>						
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% Pentachloronitribenzene	--	4% PCNB	5%
Cucumbers		66% Chlorothalonil		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% Myclobutamil 46% Sulfur	35% (Sulfur) (not post harvest?) 47% Myclobutamil	--	46%
Plum:	19% Sulfur	32% propiconazole	26% (Propiconazole) 23% Captan	26% (Propiconazole)	--	26%
Prunes:	31% Sulfur	32% propiconazole	18% Captan 23% Captan	27% 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	
<b>Tetraconazole</b>					
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