

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP 26 2005

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**MEMORANDUM**

**SUBJECT:** Usage Report in Support of Reregistration for the Fungicide Triazoles:  
Tebuconazole (128997), Triadimefon (109901), Propiconazole (122101),  
Triadimenol (127201), Fenbuconazole (129011), Myclobutanil (128857),  
Prothioconazole (113961), Defenconazole (128847), Tetraconazole (120603)

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

**THRU:** Steve Jarboe/Rafael Prieto, Team Leaders  
Science Information & Analysis Branch  
Biological and Economic Analysis Division (7503C)

**TO:** Iwona Maher  
Environmental Risk Branch I  
Environmental Fate and Effect Division (7505C)

**Reviewer:** Alan Halvorson

Attached is the usage report/package for the Triazoles: Tebuconazole (128997), Triadimefon (109901), Propiconazole (122101), Triadimenol (127201), Fenbuconazole (129011), Myclobutanil (128857), Prothioconazole (113961), Defenconazole (128847), Tetraconazole (120603). 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:

- Customized Spreadsheet**-containing only crops of interest for chemicals of interest in Excel. Information was unavailable for Prothioconazole, Defenconazole, Tetraconazole, Fenbuconazole, and Myclobutanil.
- Application Rate Information** (average and maximum). Information was unavailable for Prothioconazole, Defenconazole, and Tetraconazole.

Attachments:  
cc: Tamue Gibson

Triazoles Average Application Figures			
Active Ingredient	Crop	Average Application Rate (Lb./A)	Maximum Application Rate (Label Rate)
MYCLOBUTANIL	Almonds	0.16	N/A
PROPICONAZOLE	Almonds	0.08	*N/A
TEBUCONAZOLE	Almonds	0.11	*N/A
TRIADIMEFON	Almonds	0.06	*N/A
FENBUCONAZOLE	Apples	0.05	N/A
MYCLOBUTANIL	Apples	0.10	N/A
PROPICONAZOLE	Apples	0.10	.5 fl. Oz (L)
TEBUCONAZOLE	Apples	0.07	*N/A
TETRACONAZOLE	Apples	0.10	N/A
TRIADIMEFON	Apples	0.10	.25 lbs a.i./A
MYCLOBUTANIL	Grapes	0.10	N/A
TEBUCONAZOLE	Grapes	0.11	0.1125 lbs. a.i./A
TRIADIMEFON	Grapes	0.08	0.1875 lbs. a.i./A
MYCLOBUTANIL	Grapes, Raisin	0.10	N/A
TEBUCONAZOLE	Grapes, Raisin	0.10	0.1125 lbs. a.i./A
MYCLOBUTANIL	Grapes, Table	0.10	N/A
TEBUCONAZOLE	Grapes, Table	0.11	0.1125 lbs. a.i./A
TRIADIMEFON	Grapes, Table	0.12	0.1875 lbs. a.i./A
MYCLOBUTANIL	Grapes, Wine	0.10	N/A
TEBUCONAZOLE	Grapes, Wine	0.11	0.1125 lbs. a.i./A
TRIADIMEFON	Grapes, Wine	0.10	0.1875 lbs. a.i./A
FENBUCONAZOLE	Oranges	0.18	N/A
PROPICONAZOLE	Oranges	N/A	0.2234 lbs. a.i./A
PROPICONAZOLE	Other Spring Wheat	0.10	14 fl. oz A (L)
TEBUCONAZOLE	Other Spring Wheat	0.09	0.0234 gal a.i./cwt
FENBUCONAZOLE	Peaches	0.09	N/A
MYCLOBUTANIL	Peaches	0.08	N/A
PROPICONAZOLE	Peaches	0.10	4 fl. oz/A (L)
TEBUCONAZOLE	Peaches	0.13	0.225 lbs. a.i./A
PROPICONAZOLE	Peanuts	0.06	8 fl. oz/A ((L)
TEBUCONAZOLE	Peanuts	0.20	0.2025 lb.a.i./A
FENBUCONAZOLE	Pecans	0.07	N/A
PROPICONAZOLE	Pecans	0.11	8 fl. oz./A (L)
PROPICONAZOLE	Rice	0.13	10 fl. oz / A (L)
MYCLOBUTANIL	Sugar Beets	0.12	N/A
TETRACONAZOLE	Sugarbeets	0.10	N/A
TRIADIMEFON	Sugarbeets	0.23	* N/A
MYCLOBUTANIL	Tomatoes	0.10	N/A
PROPICONAZOLE	Wheat, Spring	0.07	14 fl. oz A (L)
TEBUCONAZOLE	Wheat, Spring	0.11	0.0234 gal a.i./cwt
PROPICONAZOLE	Wheat, Winter	0.09	14 fl. oz A (L)
TEBUCONAZOLE	Wheat, Winter	0.10	0.0234 gal a.i./cwt
PROPICONAZOLE	Winter Wheat	0.12	14 fl. oz A (L)
TRIADIMENOL	Wheat	N/A	0.0313 lb. a.i./cwt
MYCLOBUTANIL	Turf, Golf	0.68	N/A
PROPICONAZOLE	Turf, Golf	0.58	0.0344 lbs. a.i./ 1K sq. ft
TRIADIMENOL	Cotton	N/A	0.0621 lb./cwt
TRIADIMEFON	Turf, Golf	1.03	1 gal. 1K sq. ft.
PROPICONAZOLE	Field Corn	N/A	4 fl. oz/A (L)

**EPA Source Data 2001-2004, USDA NASS 1998-2001**

Filled cells are based on only 1 year of usage data

(L) = product rate (unconverted)      N/A = not available

\* N/A = sites that are unregistered but showed some use.

This usage could be due to Section 18 requests, existing stocks of the chemical, data collection errors, or because of an illegal use

# DATA PACKAGE BEAN SHEET

Date: 04-Oct-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: Tarrue 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: 09-Sep-2005

Due Back:

DP Ingredient: , 1,2,4-Triazole

DP Title: Maximum & Avg. Appli. Rates Food/Non-Food Uses

CSF Included: Yes  No

Label Included: Yes  No

Parent DP #:

Assigned To

Date In

Date Out

Organization: BEAD / STAB

09-Sep-2005

26-Sep-2005

Last Possible Science Due Date: 18-Feb-2005

Team Name:

Science Due Date:

Reviewer Name: Carter, Jenna

09-Sep-2005

26-Sep-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. (Jenna Carter). Please process the maximum and average (where applicable), application rates for food and non-food uses for triazole fungicides (Difencconazole, Tebuconazole, Triadimefon, Triadimenol, Propiconazole, Myclobutanil, Prothioconazole, Fenbuconazole & Tetraconazole). Iwona Maher has suggested starting with a good list indicated with an asterisk. These are 9 conazoles and 12 food and 2 non-food uses.

Food Groupings by "Food and Feed Crops of the United States", Markle G. M. et al., 1998 (Authors Classification: p 374).

Vegetable Crops List:

Root and Tuber Vegetables: sugar beets

Fruiting Vegetables (except cucurbits): tomato

Legume Vegetables: soybeans

\*Foliage of legume vegetables: peanuts

Fruit Crops List: Citrus fruits: oranges

\*Pome fruits: peaches

\*Stone fruits: apples

\*Small fruits: grapes

DP#: (321529)

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

Decision#: (358216)

DP #	Division/Branch	Date Sent	Date Due	Instructions?		CSF		label	
318550	HED / RAB2	28-Jun-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
318550	RD / FB	28-Jun-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319546	BEAD / IO	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319546	RD / FB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319547	BEAD / IO	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319547	RD / FB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319548	BEAD / IO	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319548	RD / FB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319549	BEAD / SIAB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319549	RD / FB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319550	BEAD / SIAB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319550	RD / FB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319566	HED / RAB3	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
319566	RD / FB	22-Jul-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
320682	EFED / ERB1	18-Aug-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
320682	RD / FB	18-Aug-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
320683	EFED / ERB1	19-Aug-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
320683	RD / FB	19-Aug-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
321313	BEAD / SIAB	02-Sep-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
321313	RD / FB	02-Sep-2005	18-Feb-2005	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No

Cereal Grain Crop List:

\*Cereal grains: wheat\*and rice

Forage, fodder and straw of cereal grains: field corn

Tree Nuts Crops List:

Tree nuts: Almond

Non-food uses:

\*Turf

Ornamentals

You may contact me at 305.909.96 for additional questions or concerns.

Thank you

Tamue L. Gibson

# DATA PACKAGE BEAN SHEET

Date: 20-Sep-2005

Page 1 of 2

## \*\*\* Registration Information \*\*\*

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Label Included:  Yes  No

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### Assigned To

### Date In

### Date Out

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Team Name:

Science Due Date:

Reviewer Name:

Sub Data Package Due Date:

Contractor Name:

## \*\*\* Studies Sent for Review \*\*\*

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## \*\*\* Additional Data Package for this Decision \*\*\*

Printed on Page 2

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\*Pome fruits: peaches  
\*Stone fruits: apples  
\*Small fruits: grapes

Cereal Grain Crop List:

\*Cereal grains: wheat and rice

Forage, fodder and straw of cereal grains: field corn

Tree Nuts Crops List:

Tree nuts: Almond

Non-food uses:

\*Turf

Ornamentals

You may contact me at 305.9096 for additional questions or concerns.

Thank you.

Tamue L. Gibson



Name: Iwona Maher

Chemical Name: Tebuconazole , Triadimefon , Propiconazole, Triadimenol

PC Code: 128997, 109901, 122101, 127201

Delivered Product: Custom Spreadsheet

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 (LUI) 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



13544

# R137570

**Chemical:** Tebuconazole  
Triadimefon  
Propiconazole  
Triadimenol  
Fenbuconazole  
Myclobutanil  
Prothioconazole  
Difenoconazole  
Tetraconazole

**PC Code:**

128997  
109901  
122101  
127201  
129011  
128857  
113961  
128847  
120603

**HED File Code:** 71000 BEAD Usage Data Report  
**Memo Date:** 9/26/2005  
**File ID:** 00000000  
**Accession #:** 000-00-0116

**HED Records Reference Center**  
1/8/2007