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), Triaconazole (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), Triaconazole (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, Triaconazole, Fenbuconazole, and Myclobutanil.
- Application Rate Information (average and maximum). Information was unavailable for Prothioconazole, Defenconazole, and Triaconazole.

Attachments:
cc: Tamue Gibson
<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Crop</th>
<th>Average Application Rate (Lb./A)</th>
<th>Maximum Application Rate (Label Rate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MYCLOBUTANIL</td>
<td>Almonds</td>
<td>0.18</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Almonds</td>
<td>0.08</td>
<td>N/A</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Almonds</td>
<td>0.11</td>
<td>N/A</td>
</tr>
<tr>
<td>TRIADIMEFON</td>
<td>Almonds</td>
<td>0.06</td>
<td>N/A</td>
</tr>
<tr>
<td>FENBUCONAZOLE</td>
<td>Apples</td>
<td>0.05</td>
<td>N/A</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Apples</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Apples</td>
<td>0.10</td>
<td>0.5 fl. Oz (L)</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Apples</td>
<td>0.07</td>
<td>N/A</td>
</tr>
<tr>
<td>TETRACONAZOLE</td>
<td>Apples</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>TRIADIMEFON</td>
<td>Apples</td>
<td>0.10</td>
<td>0.25 lbs a.i./A</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Grapes</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Grapes</td>
<td>0.11</td>
<td>0.1125 lbs. a.i./A</td>
</tr>
<tr>
<td>TRIADIMEFON</td>
<td>Grapes</td>
<td>0.08</td>
<td>0.1875 lbs. a.i./A</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Grapes, Raisin</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Grapes, Raisin</td>
<td>0.10</td>
<td>0.1125 lbs. a.i./A</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Grapes, Table</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Grapes, Table</td>
<td>0.11</td>
<td>0.1125 lbs. a.i./A</td>
</tr>
<tr>
<td>TRIADIMEFON</td>
<td>Grapes, Wine</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Grapes, Wine</td>
<td>0.11</td>
<td>0.1125 lbs. a.i./A</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Grapes, Wine</td>
<td>0.10</td>
<td>0.1875 lbs. a.i./A</td>
</tr>
<tr>
<td>FENBUCONAZOLE</td>
<td>Oranges</td>
<td>0.18</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Oranges</td>
<td>N/A</td>
<td>0.2234 lbs. a.i./A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Other Spring Wheat</td>
<td>0.10</td>
<td>14 fl. oz A (L)</td>
</tr>
<tr>
<td>FENBUCONAZOLE</td>
<td>Other Spring Wheat</td>
<td>0.09</td>
<td>0.0234 gal a.i./cwt</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Peaches</td>
<td>0.08</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Peaches</td>
<td>0.10</td>
<td>4 fl. oz/A (L)</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Peaches</td>
<td>0.13</td>
<td>0.225 lbs. a.i./A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Peanuts</td>
<td>0.06</td>
<td>8 fl. oz/A (L)</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Peanuts</td>
<td>0.20</td>
<td>0.2025 lb.a.i./A</td>
</tr>
<tr>
<td>FENBUCONAZOLE</td>
<td>Pecans</td>
<td>0.07</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Pecans</td>
<td>0.11</td>
<td>8 fl. oz./A (L)</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Rice</td>
<td>0.13</td>
<td>10 fl. oz / A (L)</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Sugar Beets</td>
<td>0.12</td>
<td>N/A</td>
</tr>
<tr>
<td>TETRACONAZOLE</td>
<td>Sugarbeets</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>TRIADIMEFON</td>
<td>Sugarbeets</td>
<td>0.23</td>
<td>N/A</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Tomatoes</td>
<td>0.10</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Wheat, Spring</td>
<td>0.07</td>
<td>14 fl. oz A (L)</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Wheat, Spring</td>
<td>0.11</td>
<td>0.0234 gal a.i./cwt</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Wheat, Winter</td>
<td>0.09</td>
<td>14 fl. oz A (L)</td>
</tr>
<tr>
<td>TEBUCONAZOLE</td>
<td>Wheat, Winter</td>
<td>0.10</td>
<td>0.0234 gal a.i./cwt</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Winter Wheat</td>
<td>0.12</td>
<td>14 fl. oz A (L)</td>
</tr>
<tr>
<td>TRIADIMENOL</td>
<td>Wheat</td>
<td>N/A</td>
<td>0.0313 lb. a.i./cwt</td>
</tr>
<tr>
<td>MYCLOBUTANIL</td>
<td>Turf, Golf</td>
<td>0.68</td>
<td>N/A</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Turf, Golf</td>
<td>0.58</td>
<td>0.0344 lbs. a.i. / 1K sq. ft</td>
</tr>
<tr>
<td>TRIADIMENOL</td>
<td>Cotton</td>
<td>N/A</td>
<td>0.0621 lb./cwt</td>
</tr>
<tr>
<td>TRIADIMEFON</td>
<td>Turf, Golf</td>
<td>1.03</td>
<td>1 gal.1K sq. ft.</td>
</tr>
<tr>
<td>PROPICONAZOLE</td>
<td>Field Corn</td>
<td>N/A</td>
<td>4 fl. oz/A (L)</td>
</tr>
</tbody>
</table>


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: Tammy Gibson TGIBSO64

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

Type of Registration: Miscellaneous

Action Desc: (406) NO DATA REQUIRED;

Ingredients: 1: 1: 4-Triazole

*** Data Package Information ***

 Expedite: Yes No

 Date Sent: 09-Sep-2005

 Due Back:

 DP Ingredient: 1: 1: 4-Triazole

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

 CSF Included: Yes No

 Label Included: Yes No

 Parent DP #:

 Assigned To

 Organization: BEAD / SIAB

 Team Name:

 Reviewer Name: Carter, Jerem.

 Contract Name:

 09-Sep-2005 26-Sep-2005 Last Possible Science Due Date: 18-Feb-2005

 Date In Date Out Science Due Date:

 Sub Data Package Due Date:

 *** 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 (Difenconazole, Tefenaconazole, Triadimefon, Triadimenol, Propiconazole, Myclobutanil, Prothioconazole, Fenbuconazole & Triaconazole).

 Mahaque: 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: sweet potatoes
 Fruiting Vegetables (except cucurbits): tomato
 Legume Vegetables: soybeans
 *Foliation of legume vegetables

 Fruit Crops List: Citrus fruits: oranges
 *Pome fruits: peaches
 *Stone fruits: apples
 *Small fruits: grapes
<table>
<thead>
<tr>
<th>DP #</th>
<th>Division/Branch</th>
<th>Date Sent</th>
<th>Date Due</th>
<th>Instructions?</th>
<th>CSF</th>
<th>label</th>
</tr>
</thead>
<tbody>
<tr>
<td>318550</td>
<td>HED / RA2B</td>
<td>28-Jun-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>318550</td>
<td>RD / FB</td>
<td>28-Jun-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319546</td>
<td>BEAD / IO</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319546</td>
<td>RD / FB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319547</td>
<td>BEAD / IO</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319547</td>
<td>RD / FB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319548</td>
<td>BEAD / IO</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319548</td>
<td>RD / FB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319549</td>
<td>BEAD / SIAB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319549</td>
<td>RD / FB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319550</td>
<td>BEAD / SIAB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319550</td>
<td>RD / FB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319556</td>
<td>HED / RA33</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>319556</td>
<td>RD / FB</td>
<td>22-Jul-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>320682</td>
<td>EFED / ERB1</td>
<td>18-Aug-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>320682</td>
<td>RD / FB</td>
<td>18-Aug-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>320683</td>
<td>EFED / ERB1</td>
<td>19-Aug-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>320683</td>
<td>RD / FB</td>
<td>19-Aug-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>321313</td>
<td>BEAD / SIAB</td>
<td>02-Sep-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
<tr>
<td>321313</td>
<td>RD / FB</td>
<td>02-Sep-2005</td>
<td>18-Feb-2005</td>
<td>Yes</td>
<td>No</td>
<td>Yes No No</td>
</tr>
</tbody>
</table>
Cereal Grain Crop List:
- Cereal grains: wheat and rice
- Forage, fodder and straw of cereal grains: field corn

Tree Nuts Crop List:
- Tree nuts: Almond

Non-food uses:
- Tuff
- Ornamentals

You may contact me at 305-439-45 for additional questions or concerns.

Thank you.

Tamme L. Gibson
** ** 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: Tamiko Gibson TGIBS004

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. Appl. Rates Food/Non-Food Uses

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

Assigned To: Organization: BEAD / O

Team Name: __________

Reviewer Name: __________

Contractor Name: __________

Date In Date Out: Last Possible Science Due Date: 18-Feb-2005

Science Due Date: __________

Sub Data Package Due Date: __________

** ** 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 (Difenoconazole, Tetcyclazole, Triadimefon, Triforine, Propiconazole, Myclobutanil, Prolinazol. Fenbuconazole & Tetraconazole). At the time, Has suggested starting with a good list indicated with an asterisk. These are 9 conazoles and 17 food and 2 non-food uses.


Vegetable Crops List:
Root and Tuber Vegetables: sugar beets
Fruiting Vegetables (except cucumbers): tomato
Legume Vegetables: soybeans
*Folage of legume vegetables: peanuts

Fruit Crops List: Citrus fruits: oranges
*Pome fruits: peaches
*Stone fruits: apples
*Small fruits: grapes
Cereals Grain Crop List:
‘Cereal grains: wheat’ and now
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 305-5055 for additional questions or concerns.

Thank you.

Tamue L. Gibson
Name: Iwana 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 (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
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