

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OPP OFFICIAL RECORD  
HEALTH EFFECTS DIVISION  
SCIENTIFIC DATA REVIEWS  
EPA SERIES 361OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCESMEMORANDUM

DATE: 9 April, 2007

SUBJECT: **Pyraclostrobin.** Acute and Chronic Aggregate Dietary and Drinking Water  
Exposure and Risk Assessments to Support New Use on Cotton, Belgian Endive,  
and Increased Tolerance on the Berries Crop Group

PC Code: 099100

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DP Number: 337818

REVIEWER: Leung Cheng, Chemist *Leung Cheng*  
Registration Action Branch 3  
Health Effects Division (7509P)THROUGH: Felecia Fort, Chemist *Felecia Fort*  
David Soderberg, Chemist *David D. Soderberg*  
Dietary Exposure Science Advisory Council (DESAC)  
Health Effects Division (7509P)

and

Paula Deschamp, Branch Chief *Paula Deschamp*  
Registration Action Branch 3  
Health Effects Division (7509P)TO: Barry O'Keefe, Risk Assessor  
Registration Action Branch 3  
Health Effects Division (7509P)**Executive Summary**Acute and chronic dietary risk assessments were conducted using the Dietary Exposure  
Evaluation Model (DEEM-FCID™, Version 2.03), which uses food consumption data from theAPR 19 REC'D 2007  
in RRC  
F2w

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

U.S. Department of Agriculture's Continuing Surveys of Food Intakes by Individuals (CSFII) from 1994-1996 and 1998. The analyses were performed to support a new use on cotton and an increase in the berry group tolerance.

#### Acute Dietary Exposure Results and Characterization

The acute dietary analysis was based on tolerance level or highest residues and 100% crop treated assumptions for all commodities. Experimentally derived processing factors were used for fruit juices and tomato and wheat commodities.

The drinking water values used in the acute dietary risk assessment were based on information provided by Environmental Fate and Effects Division (EFED). Exposure to pyraclostrobin (parent only) was significantly higher in the surface water (10.2 ppb) than ground water (0.02 ppb).

The results of the acute dietary analysis for **food only** indicate that acute dietary risks (food only) do not exceed HED's level of concern (less than 100% of the acute population adjusted dose (aPAD)) for the U.S. population and all subgroups. At the 95<sup>th</sup> percentile, the U.S. population has an exposure from food only that results in a risk that is estimated at < 2% of the aPAD. The most highly exposed subpopulation is "females 13-49 years" due to a substantially more sensitive endpoint. At the 95<sup>th</sup> percentile, this subpopulation has an exposure from food only that results in a risk estimated at 78% of the aPAD.

The results of the aggregate acute dietary analysis for **food and water** indicate that acute dietary risks (food and water) do not exceed HED's level of concern (less than 100% of the acute population adjusted dose (aPAD)) for the U.S. population and all subgroups. At the 95<sup>th</sup> percentile, the U.S. population has an exposure from food and water that results in a risk estimate that is practically unchanged from that from food only (at <2% of the aPAD). The most highly exposed subpopulation is "females 13-49 years". At the 95<sup>th</sup> percentile, this population subgroup has an exposure from food and water that is essentially the same as from food only.

The acute dietary exposure analysis is still quite conservative even though the highest residue values for certain crops and experimental factors for the major consumed juices have been used in estimating the exposure to various subgroups, keeping in mind that a hundred percent of all the crops is assumed to have been treated with pyraclostrobin.

#### Chronic Dietary Exposure Results and Characterization

The chronic dietary analysis included tolerance level or average residues from field trial data and 100% crop treated assumptions for all commodities. Experimentally derived processing factors were used for fruit juices and tomato and wheat commodities.

The drinking water values used in the chronic dietary risk assessment were based on information provided by EFED. Exposure to pyraclostrobin was higher in the surface water (0.8 ppb) than ground water (0.02 ppb).

The results of the chronic dietary analysis for **food only** indicate that chronic dietary risks (food only) do not exceed HED's level of concern (less than 100% of the chronic population adjusted

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

dose (cPAD)) for the U.S. population and all subgroups. The U.S. population exposure from food only results in a risk that is estimated at 26% of the cPAD. The most highly exposed population subgroup is "children 1-2 years of age" with an exposure that results in a risk estimated at <58% of the cPAD.

The results of the aggregate chronic dietary analysis for **food and water** indicate that chronic dietary risks (food and water) do not exceed HED's level of concern for the U.S. population and all subgroups. The U.S. population exposure from food and water results in a risk that is estimated at 26% of the cPAD. The most highly exposed population subgroup is "children 1-2 years of age" with an exposure that results in a risk estimated at 58% of the cPAD.

### Cancer Dietary Exposure Results and Characterization

HED has determined that it is no longer appropriate to regulate cancer risk for pyraclostrobin using an MOE approach since the CARC recently concluded the chemical to be "not likely to be carcinogenic to humans" (TXR# 54516, 2/15/2007).

## **I. Introduction**

Dietary risk assessment incorporates both exposure and toxicity of a given pesticide. For acute and chronic assessments, the risk is expressed as a percentage of a maximum acceptable dose (i.e., the dose which HED has concluded will result in no unreasonable adverse health effects). This dose is referred to as the population adjusted dose (PAD). The PAD is equivalent to the reference dose point of departure (POD, NOAEL, LOAEL) divided by the required uncertainty and safety factors.

For acute and non-cancer chronic exposures, HED is concerned when estimated dietary risk exceeds 100% of the PAD. HED is generally concerned when estimated cancer risk exceeds one in one million (i.e., the risk exceeds  $1 \times 10^{-6}$ ). References which discuss the acute and chronic risk assessments in more detail are available on the EPA/pesticides web site: "Available Information on Assessing Exposure from Pesticides, A User's Guide," 6/21/2000, web link: <http://www.epa.gov/fedrgstr/EPA-PEST/2000/July/Day-12/6061.pdf>; or see SOP 99.6 (8/20/99).

The most recent dietary risk assessment for pyraclostrobin was conducted by L. Cheng (11/30/2005, DP # 323630).

## **II. Residue Information**

Pyraclostrobin tolerances have been established in 40 CFR §180.582. Tolerances for plant commodities are listed in 40 CFR §180.582 (a)(1) in terms of the combined residues of the fungicide pyraclostrobin (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester) and its desmethoxy metabolite methyl 2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl carbamate, expressed as parent compound. The established tolerances for plant commodities range from 0.20 ppm (wheat grain; 0.02 ppm is a typographical error in the 40CFR) to 27 ppm (grass seed screenings). Recently, HED has recommended for granting permanent tolerances at 0.3 ppm on undelinted cottonseed and 30 ppm on cotton gin byproducts, 6 ppm on Belgian endive, and increasing the current tolerance level for the berries crop group from 1.3 ppm to 4.0 ppm (DP# 337807, J. Stokes, 03/30/2007).

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

Residue Data used for Acute, Chronic, and/or Cancer Assessments:

For the acute dietary analysis, tolerance level or highest field trial residues were used for all crops. One hundred percent crop treated was assumed for all commodities in the assessment. Default processing factors were applied to all commodities except for apple juice, grape juice, citrus juices, cottonseed oil, tomato paste, tomato puree, wheat flour, and wheat germ where experimental factors were used.

For the chronic dietary analysis, average field trial residue values were used for certain crops (tomato, pepper, citrus, apple, leaf lettuce, head lettuce), which are the major dietary contributors based on preliminary runs. One hundred percent crop treated was assumed for all commodities in the assessment. Experimentally derived processing factors for apple juice, grape juice, citrus juices, cottonseed oil, tomato paste, tomato puree, wheat flour, and wheat germ were applied.

A summary of the data source and residue estimates for crops that differ from the corresponding tolerance level and default processing factors for both acute and chronic assessments is tabulated in Attachment 1.

There are several key changes to the dietary risk assessment from the previous analysis dated 11/30/2005.

- 1) Percent crop treated information is no longer applied in the current chronic assessment.
- 2) Anticipated residues were derived for the following crops in the chronic assessment: apple, grape, head lettuce, leaf lettuce, orange, pepper, and tomato.
- 3) A cancer risk assessment has not been conducted since cancer is no longer a concern for this chemical.

**III. Drinking Water Data**

The drinking water residues used in the dietary risk assessment were provided by the Environmental Fate and Effects Division (EFED) in the following memorandum: "Drinking Water Assessment for the Use of Pyraclostrobin (P.C. Code: 099100) on Undelinted Cotton Seed, Cotton Gin By-Products, and Berries Group 13" (A. Al-Mudallal, D326246, 2/21/2007) and incorporated directly into this dietary assessment. EFED concluded that the proposed use rates are much lower than the use rate on turf, the site that was selected for the drinking water assessment. Therefore, the estimated concentrations in drinking water associated with the previous Section 3 request for the use of pyraclostrobin in-furrow on potatoes remain valid (D303496, 10/6/2004). Water residues were incorporated in the DEEM-FCID into the food categories "water, direct, all sources" and "water, indirect, all sources."

The drinking water assessment provides Tier II (PRZM 3.12/EXAMS 2.7.97) surface water modeling and Tier I (SCI-GROW) groundwater modeling. The modeling was conducted for the parent compound only. The residue concentrations from Tier II surface water modeling are not expected to exceed 10.2 µg/L for the peak concentration, 0.8 µg/L for the annual average concentration, and 0.5 µg/L for the 30 year average concentration. Residue concentration from

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

Tier 1 groundwater modeling is not expected to exceed 0.02 µg/L. The model and its description are available at the EPA internet site: <http://www.epa.gov/oppefed1/models/water/>.

#### **IV. DEEM-FCID™ Program and Consumption Information**

Pyraclostrobin acute and chronic dietary exposure assessments were conducted using the Dietary Exposure Evaluation Model software with the Food Commodity Intake Database (DEEM-FCID™, Version 2.03), which incorporates consumption data from USDA's Continuing Surveys of Food Intakes by Individuals (CSFII), 1994-1996 and 1998. The 1994-96, 98 data are based on the reported consumption of more than 20,000 individuals over two non-consecutive survey days. Foods "as consumed" (e.g., apple pie) are linked to EPA-defined food commodities (e.g. apples, peeled fruit - cooked; fresh or N/S; baked; or wheat flour - cooked; fresh or N/S, baked) using publicly available recipe translation files developed jointly by USDA/ARS and EPA. For chronic exposure assessment, consumption data are averaged for the entire U.S. population and within population subgroups, but for acute exposure assessment are retained as individual consumption events. Based on analysis of the 1994-96, 98 CSFII consumption data, which took into account dietary patterns and survey respondents, HED concluded that it is most appropriate to report risk for the following population subgroups: the general U.S. population, all infants (<1 year old), children 1-2, children 3-5, children 6-12, youth 13-19, adults 20-49, females 13-49, and adults 50+ years old.

For chronic dietary exposure assessment, an estimate of the residue level in each food or food-form (e.g., orange or orange juice) on the food commodity residue list is multiplied by the average daily consumption estimate for that food/food form to produce a residue intake estimate. The resulting residue intake estimate for each food/food form is summed with the residue intake estimates for all other food/food forms on the commodity residue list to arrive at the total average estimated exposure. Exposure is expressed in mg/kg body weight/day and as a percent of the cPAD. This procedure is performed for each population subgroup.

For acute exposure assessments, individual one-day food consumption data are used on an individual-by-individual basis. The reported consumption amounts of each food item can be multiplied by a residue point estimate and summed to obtain a total daily pesticide exposure for a deterministic exposure assessment, or "matched" in multiple random pairings with residue values and then summed in a probabilistic assessment. The resulting distribution of exposures is expressed as a percentage of the aPAD on both a user (i.e., only those who reported eating relevant commodities/food forms) and a per-capita (i.e., those who reported eating the relevant commodities as well as those who did not) basis. In accordance with HED policy, per capita exposure and risk are reported for all tiers of analysis. However, for tiers 1 and 2, any significant differences in user vs. per capita exposure and risk are specifically identified and noted in the risk assessment.

#### **V. Toxicological Information**

In the latest Cancer Assessment Review Committee (CARC) meeting that was held on 2/1/2007, the Committee concluded that female mice had been tested adequately at the top dose (at 180 ppm) in the carcinogenicity study upon evaluation of the supplemental mouse data at the 360 ppm dose (TXR # 54516, 2/15/2007). Previously, the CARC considered that the doses tested in both sexes of the rat carcinogenicity study were adequate, and confirmed that the tumor data

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

from the combined results of carcinogenicity and chronic toxicity studies (in rats) showed neither a significant increasing trend nor a significant difference in the pair-wise comparison of the dosed groups with the controls; however, the CARC concluded that the available data were inadequate to make the determination of the carcinogenic potential of pyraclostrobin in B6C3F<sub>1</sub> mice, and recommended that the study in female mice be repeated at adequate dose levels. The report of the CARC of October 22, 2003 (Report of the Cancer Assessment Review Committee (Second Evaluation); PC Code: 099100. Memorandum from J. Kidwell to G. Dannan, B. O'Keefe, J. Bazuin and C. Giles-Parker, October 22, 2003) supersedes that CPRC report (see below).

For the endpoint selection, the Hazard Identification Assessment Review Committee (HIARC) met on December 17, 2002 to reevaluate the potential for increased susceptibility of infants and children vis-à-vis the FQPA safety factor for pyraclostrobin. Previous endpoints and conclusions made at the July 31, 2001 and June 25, 2002 HIARC meetings were unchanged (HED documents 014669 and 0050932). The HED HIARC also considered the registrant's (BASF) request to waive the requirement for a 28-day inhalation toxicity study with pyraclostrobin and the registrant's responses to previous HIARC recommendations to repeat two guideline studies because of inadequate dosing. The third HIARC for pyraclostrobin confirmed the conclusions of the HED Carcinogenicity Peer Review Committee (CPRC) report of December 26, 2001 (TXT No. 0050363) that classified pyraclostrobin into the category "Data are inadequate to assess the human carcinogenic potential" because of incomplete examination of male rats for hemolymphoreticular and testicular tumors and inadequate testing of female rats and female mice.

Thus, the CARC concluded that no tumors were seen in either male or female mice, and therefore, the cancer classification is "not likely to be carcinogenic to humans"; cancer quantification is not required.

The toxicity endpoints pertinent for human risk assessment are summarized in Table 1.

Table 1. Summary of Toxicological Doses and Endpoints for Pyraclostrobin for Use in Dietary Human Health Risk Assessments				
Exposure/Scenario	Point of Departure	Uncertainty/FQPA Safety Factors	RfD, PAD, Level of Concern for Risk Assessment	Study and Toxicological Effects  NOTE: Do not state that an exposure/risk assessment is not required. Rather, state why no risk is expected from the exposure scenario(s) (e.g., no hazard was identified or no exposure is expected).
Acute Dietary (Females 13-49 years of age)	NOAEL = 5.0 mg/kg/day	UF <sub>A</sub> = 10x UF <sub>H</sub> = 10x FQPA SF = 1x	Acute RfD = 0.05 mg/kg/day  aPAD = 0.05 mg/kg/day	Rabbit Prenatal Developmental Toxicity LOAEL = 10.0 mg/kg/day based on developmental toxicity findings of increased resorptions.
Acute Dietary (General Population, including Infants and Children)	NOAEL = 300 mg/kg/day	UF <sub>A</sub> = 10x UF <sub>H</sub> = 10x FQPA SF = 1x	Acute RfD = 3.0 mg/kg/day  aPAD = 3.0 mg/kg/day	Rat Acute Oral Neurotoxicity LOAEL = 1000 mg/kg/day based on decreased body weight gain in males.

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

Table 1. Summary of Toxicological Doses and Endpoints for Pyraclostrobin for Use in Dietary Human Health Risk Assessments				
Exposure/Scenario	Point of Departure	Uncertainty/FQPA Safety Factors	RfD, PAD, Level of Concern for Risk Assessment	Study and Toxicological Effects
Chronic Dietary (All Populations)	NOAEL = 3.4 mg/kg/day	UF <sub>A</sub> = 10x UF <sub>H</sub> = 10x FQPA SF = 1x	Chronic RID = 0.034 mg/kg/day cPAD = 0.034 mg/kg/day	NOTE: Do not state that an exposure/risk assessment is not required. Rather, state why no risk is expected from the exposure scenario(s) (e.g., no hazard was identified or no exposure is expected).  Rat Oral Carcinogenicity LOAEL = 9.2 mg/kg/day based on decreased body weight/body weight gain, kidney tubular casts and atrophy in both sexes; increased incidence of liver necrosis and erosion/ulceration of the glandular-stomach and fore-stomach in males.
Cancer (oral)	Classification: "Not likely to be Carcinogenic to Humans" based on the absence of significant tumor increases in two adequate rodent carcinogenicity studies.			

Point of Departure (POD) = A data point or an estimated point that is derived from observed dose-response data and used to mark the beginning of extrapolation to determine risk associated with lower environmentally relevant human exposures. NOAEL = no observed adverse effect level. LOAEL = lowest observed adverse effect level. UF = uncertainty factor. UF<sub>A</sub> = extrapolation from animal to human (intraspecies). UF<sub>H</sub> = potential variation in sensitivity among members of the human population (interspecies). UF<sub>L</sub> = use of a LOAEL to extrapolate a NOAEL. UF<sub>S</sub> = use of a short-term study for long-term risk assessment. UF<sub>DB</sub> = to account for the absence of key data (i.e., lack of a critical study). FQPA SF = FQPA Safety Factor. PAD = population adjusted dose (a = acute, c = chronic). RfD = reference dose. MOE = margin of exposure. LOC = level of concern. N/A = not applicable.

## VI. Results/Discussion

### Results of Acute Dietary Exposure Analysis

The results of the acute dietary analysis for **food only** indicate that acute dietary risks (food only) do not exceed HED's level of concern (less than 100% of the acute population adjusted dose (aPAD)) for the U.S. population and all subgroups. At the 95<sup>th</sup> percentile, the U.S. population has an exposure from food only that results in a risk estimated at < 2% of the aPAD. The most highly exposed subpopulation is "females 13-49 years" due to a substantially more sensitive endpoint. At the 95<sup>th</sup> percentile, this population subgroup has an exposure from food only that results in a risk estimated at 78% of the aPAD.

The results of the aggregate acute dietary analysis for **food and water** indicate that acute dietary risks (food and water) do not exceed HED's level of concern (less than 100% of the acute population adjusted dose (aPAD)) for the U.S. population and all subgroups. At the 95<sup>th</sup> percentile, the U.S. population has an exposure from food and water that results in a risk that is practically unchanged at <2% of the aPAD. The most highly exposed subpopulation is "females 13-49 years". At the 95<sup>th</sup> percentile, this population subgroup has an exposure from food and water that is without change at 78% of the aPAD.

The results of the acute dietary exposure analysis (with and without water) at the 95<sup>th</sup>, 99<sup>th</sup>, and 99.9<sup>th</sup> percentiles of exposure are reported in Tables 2 and 3, below.

Table 2. Results of Acute Dietary Exposure Analysis Using DEEM FCID - Food Only				
Population	aPAD	95 <sup>th</sup> Percentile	99 <sup>th</sup> Percentile	99.9 <sup>th</sup> Percentile

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

		Exposure (mg/kg/day)	% aPAD*	Exposure (mg/kg/day)	% aPAD*	Exposure (mg/kg/day)	% aPAD*
General U.S. Population	3.0	0.041	1.4	0.074	2.5	0.15	4.9
All Infants (< 1 year old)	3.0	0.051	1.7	0.17	5.6	0.44	15
Children 1-2 years old	3.0	0.069	2.3	0.13	4.3	0.38	13
Children 3-5 years old	3.0	0.061	2.0	0.11	3.5	0.28	9.3
Children 6-12 years old	3.0	0.045	1.5	0.071	2.4	0.16	5.2
Youth 13-19 years old	3.0	0.034	1.1	0.064	2.1	0.094	3.1
Adults 20-49 years old	3.0	0.037	1.2	0.069	2.3	0.12	4.0
Adults 50+ years old	3.0	0.039	1.3	0.071	2.4	0.13	4.2
Females 13-49 years old	0.05	<b>0.039</b>	<b>78</b>	<b>0.072</b>	<b>144</b>	<b>0.14</b>	<b>282</b>

\*Most highly exposed subgroup is bolded.



Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

<b>Table 3. Results of Acute Dietary Exposure Analysis Using DEEM FCID - Food and Water</b>							
<b>Population Subgroup</b>	<b>aPAD (mg/kg/day)</b>	<b>95<sup>th</sup> Percentile</b>		<b>99<sup>th</sup> Percentile</b>		<b>99.9<sup>th</sup> Percentile</b>	
		<b>Exposure (mg/kg/day)</b>	<b>% aPAD*</b>	<b>Exposure (mg/kg/day)</b>	<b>% aPAD*</b>	<b>Exposure (mg/kg/day)</b>	<b>% aPAD*</b>
General U.S. Population	3.0	0.041	1.4	0.074	2.5	0.15	5.0
All Infants (< 1 year old)	3.0	0.052	1.7	0.17	5.6	0.44	15
Children 1-2 years old	3.0	0.070	2.3	0.13	4.4	0.40	13
Children 3-5 years old	3.0	0.061	2.0	0.11	3.5	0.28	9.4
Children 6-12 years old	3.0	0.045	1.5	0.071	2.4	0.14	4.6
Youth 13-19 years old	3.0	0.034	1.1	0.065	2.2	0.094	3.1
Adults 20-49 years old	3.0	0.037	1.2	0.069	2.3	0.12	4.0
Adults 50+ years old	3.0	0.040	1.3	0.072	2.4	0.13	4.3
Females 13-49 years old	0.05	<b>0.039</b>	<b>78</b>	<b>0.072</b>	<b>145</b>	<b>0.14</b>	<b>283</b>

\* Most highly exposure subgroup is bolded.

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### Results of Chronic Dietary Exposure Analysis

The results of the chronic dietary analysis for food only indicate that chronic dietary risks (food only) do not exceed HED's level of concern (less than 100% of the chronic population adjusted dose (cPAD)) for the U.S. population and all subgroups. The U.S. population exposure from food only results in a risk estimated at 26% of the cPAD. The most highly exposed is "children 1-2 years of age" with an exposure estimated at 58% of the cPAD.

The results of the aggregate chronic dietary analysis for **food and water** indicate that chronic dietary risks (food and water) do not exceed HED's level of concern for the U.S. population and all subgroups. The U.S. population exposure from food and water results in a risk estimated at 26% of the cPAD. The most highly exposed population subgroup is "children 1 -2" with an exposure estimated at 58% of the cPAD.

The results of the chronic dietary exposure analysis (with and without water) are reported in Tables 4 and 5, below.

### Cancer Dietary Exposure Results and Characterization

As noted above, the HED CARC has recently revisited the cancer classification for pyraclostrobin. HED has reclassified pyraclostrobin as "not likely to be carcinogenic to humans" and determined that regulation of cancer risk using an MOE approach is no longer appropriate.

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337818

**Table 4. Summary of Dietary Exposure and Risk for Pyraclostrobin – Food Only**

Population Subgroup	Acute Dietary (95th Percentile)		Chronic Dietary		Cancer	
	Dietary Exposure (mg/kg/day)	% aPAD	Dietary Exposure (mg/kg/day)	% cPAD	Dietary Exposure (mg/kg/day)	Risk
General U.S. Population	0.041	1.4	0.0087	26	A separate quantitative cancer risk assessment is not required.	
All Infants (< 1 year old)	0.051	1.7	0.013	39		
Children 1-2 years old	0.069	2.3	0.020	58		
Children 3-5 years old	0.061	2.0	0.015	44		
Children 6-12 years old	0.045	1.5	0.0095	28		
Youth 13-19 years old	0.034	1.1	0.0059	17		
Adults 20-49 years old	0.037	1.2	0.0073	21		
Adults 50+ years old	0.039	1.3	0.0091	27		
Females 13-49 years old	0.039	78	0.0072	21		

**Table 5. Summary of Dietary Exposure and Risk for Pyraclostrobin – Food & Water**

Population Subgroup	Acute Dietary (95th Percentile)		Chronic Dietary		Cancer	
	Dietary Exposure (mg/kg/day)	% aPAD	Dietary Exposure (mg/kg/day)	% cPAD	Dietary Exposure (mg/kg/day)	Risk
General U.S. Population	0.041	1.4	0.0087	26	A separate quantitative cancer risk assessment is not required.	
All Infants (< 1 year old)	0.052	1.7	0.013	39		
Children 1-2 years old	0.070	2.3	0.020	58		
Children 3-5 years old	0.061	2.0	0.015	45		
Children 6-12 years old	0.045	1.5	0.010	28		
Youth 13-19 years old	0.034	1.1	0.0059	17		
Adults 20-49 years old	0.037	1.2	0.0073	22		
Adults 50+ years old	0.040	1.3	0.0091	27		
Females 13-49 years old	0.039	78	0.0072	21		

### **VIII. Characterization of Inputs/Outputs**

The acute and chronic dietary risk assessments are considered only minimally refined. The acute analysis was conducted using tolerance level residues or the highest residues for all commodities. These tolerance level or highest residues were derived from field trial data conducted at the maximum application rate and minimum PHI permitted on the proposed or existing labels. For all commodities 100% crop treated was assumed. A limited number of experimentally derived processing factors were used to refine the acute analysis. Of note is that contribution from drinking water is minimal. HED concludes that the acute exposure estimates are unlikely to underestimate actual acute exposure.

The chronic dietary assessment was conducted using tolerance level residues for all crops except for apple, grape, head lettuce, leaf lettuce, orange, pepper and tomato where average residue values were derived from crop field trials. As noted above, these field trials represent maximum application rates and minimum PHIs. For all commodities 100% crop treated was assumed. A limited number of experimentally derived processing factors were used to refine the analysis. Again, contribution from drinking water is minimal. HED concludes that the chronic exposure estimates in this analysis are unlikely to underestimate actual exposure.

Pyraclostrobin

Dietary Exposure Assessment

Barcode: 337813

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**IX. Conclusions**

HED conducted acute and chronic dietary exposure and risk assessments to support new use on cotton and an increase in the berry crop group tolerance using the DEEM-FCID™, Version 2.03, which uses food consumption data from the USDA's Continuing Surveys of Food Intakes by Individuals (CSFII) from 1994 – 1996 and 1998.

The acute analysis is considered minimally refined with the incorporation of experimentally determined processing factors for fruit juices and tomato and wheat commodities. Residue values for all commodities are based on tolerances or highest residues from field trials. All commodities were assumed to be 100% crop treated. The chronic dietary risk assessments were refined by the incorporation of average residues derived from field trial data for apple, grape, head lettuce, leaf lettuce, orange, pepper and tomato reflecting the maximum label application rate and minimum PHI, as well as by the use of experimental processing factors for fruit juices and tomato and wheat commodities. All commodities were assumed to be 100% crop treated. Additional refinements are possible for both analyses; therefore HED concludes that the acute and chronic dietary exposure analyses are unlikely to underestimate exposure and risk.

Acute and chronic exposures and risks do not exceed HED's level of concern for the U.S. population. Further, acute and chronic exposures and risks do not exceed HED's level of concern for all relevant population subgroups.

**X. List of Attachments**

Attachment 1. Data and Residue Estimates Used in Dietary Analysis

Acute Dietary Exposure & Risk

- Attachment 2. Pyraclostrobin Acute Dietary Analysis Input File - Food Only
- Attachment 3. Pyraclostrobin Acute Dietary Analysis Results - Food Only
- Attachment 4. Pyraclostrobin Acute Dietary Analysis Input File - Food & Water
- Attachment 5. Pyraclostrobin Acute Dietary Analysis Results - Food & Water

Chronic Dietary Exposure & Risk

- Attachment 6. Pyraclostrobin Chronic Dietary Analysis Input File - Food Only
- Attachment 7. Pyraclostrobin Chronic Dietary Analysis Results - Food Only
- Attachment 8. Pyraclostrobin Chronic Dietary Analysis Input File - Food & Water
- Attachment 9. Pyraclostrobin Chronic Dietary Analysis Results - Food & Water

cc with attachments: L. Cheng, S. Piper, P.Y. Barnes

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

## Attachment 1. Data and Residue Estimates Used in Dietary Analyses

Table 6. Data and Residue Estimates Used in Dietary Analyses									
RAC	Classification <sup>1</sup>	Data Source	No. of Samples	No. of Detectable Residues	LOD	%CT	Processing Factors	Anticipated Residue Estimates/Tolerance	
								Acute (Tol., HR, RDF)	Chronic (Tol., AR) <sup>2</sup>
Amaranth, leafy Arugula Cardoon Cress, garden Cress, upland Dandelion, leaves Fennel Parsley, leaves Radicchio Rhubarb Spinach Swiss chard	PB	Tolerance & Field Trial Data for spinach 46109101	16	16		100	None	HR (23.38)	Tol (29)
Apple	NB, PB	Tolerance & Field Trial Data 45645803	32	32		100	Juice at 0.2x MRID 45645804	Tol (1.5)	AR (0.31)
Barley	B	Tolerance & Field Trial Data 45118535	25	6	0.04	100	None	Tol (0.40)	Tol (0.40)

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

Table 6. Data and Residue Estimates Used in Dietary Analyses									
RAC	Classification <sup>1</sup>	Data Source	No. of Samples	No. of Detectable Residues	LOD	%CT	Processing Factors	Anticipated Residue Estimates/Tolerance	
								Acute (Tol., HR, RDE)	Chronic (Tol., AR) <sup>2</sup>
Beans, dry	B	Tolerance & Field Trial Data 45367501	20	4	0.04	100	None	HR (0.21)	Tol (0.50)
Celery	NB, PB, B	Tolerance & Field Trial Data 46109102	24	24		100	None	HR (10.7)	Tol (29)
Citrus (except orange)	NB, PB	Tolerance & Field Trial Data	22	22		100	Juice at 0.02x (45118617)	Tol (2.0)	Tol (2.0)
Grape	PB	Tolerance & Field Trial Data 45118529 45118531	26	26		100	Juice at 0.01x (45118616)	Tol (2.0)	AR (0.768)
Orange	NB, PB	Tolerance & Field Trial Data 45903601	26	26		100	Juice at 0.02x (45118617)	Tol (2.0)	AR (0.30)
Pea, dry	B	Tolerance & Field Trial Data 45596211	18	13	0.04	100	None	HR (0.10)	Tol (0.50)
Pepper	NB, PB	Tolerance & Field Trial Data 45118611	18	17	0.04	100	None	Tol (1.4)	AR (0.232)
Tomato	NB, PB	Tolerance & Field Trial Data 45118528	30	30		100	Paste at 2.1x, Puree at 0.55x (45118615)	Tol (1.4)	AR (0.158)

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

Table 6. Data and Residue Estimates Used in Dietary Analyses

RAC	Classification <sup>1</sup>	Data Source	No. of Samples	No. of Detectable Residues	LOD	%CT	Processing Factors	Anticipated Residue Estimates/Tolerance	
								Acute (Tol., HR, RDF)	Chronic (Tol., AR) <sup>2</sup>
Wheat (Triticale)	B	Tolerance & Field Trial Data 45118537	122	30	0.04	100	Flour at 0.7x; Germ at 0.85x (45321101)	Tol (0.20)	Tol (0.20)
Remainder		Tolerance & Field Trial Data 40CFR180.582				100	Default	Tol	Tol
Water	N/A	Modeling	N/A	N/A	N/A	N/A	N/A	0.01	0.0008

N/A = not applicable

1. Classification of blended (B), partially blended (PB), not blended (NB).

2. Chronic ARs are based on LOQ (0.04 ppm)



Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

## Attachment 2. Pyraclostrobin Acute Dietary Analysis Input File – Food Only

Filename: C:\Documents and Settings\lcheng\My Documents\DEEM FCID  
 1c\Pyraclostrobin\Tol+HR.R98  
 Chemical: Pyraclostrobin  
 RfD(Chronic): 0.034 mg/kg bw/day NOEL(Chronic): 3.4 mg/kg bw/day  
 RfD(Acute): 3 mg/kg bw/day NOEL(Acute): 300 mg/kg bw/day  
 Date created/last modified: 03-21-2007/15:48:28/8 Program ver. 2.03  
 Comments: 03-21-07: Tol + HR; aPAD (female)=0.05 mkd

EPA Code	Chem Code	Commodity Name	Def Res (ppm)	Adj. Factors #1 #2	Comment
14000030	24	Almond	0.040000	1.000 1.000	
14000040	24	Almond, oil	0.040000	1.000 1.000	
04010080	6A	Amaranth, leafy	23.380000	1.000 1.000	
11000070	2	Apple, fruit with peel	1.500000	1.000 1.000	
11000080	2	Apple, peeled fruit	1.500000	1.000 1.000	
11000090	2	Apple, peeled fruit-babyfood	1.500000	1.000 1.000	
11000100	2	Apple, dried	1.500000	8.000 1.000	
11000110	2	Apple, dried-babyfood	1.500000	8.000 1.000	
11000120	2	Apple, juice	1.500000	0.200 1.000	
11000130	2	Apple, juice-babyfood	1.500000	0.200 1.000	
11000140	2	Apple, sauce	1.500000	1.000 1.000	
11000150	2	Apple, sauce-babyfood	1.500000	1.000 1.000	
12000160	2	Apricot	0.900000	1.000 1.000	
12000170	2	Apricot-babyfood	0.900000	1.000 1.000	
12000180	2	Apricot, dried	0.900000	6.000 1.000	
12000190	2	Apricot, juice	0.900000	1.000 1.000	
12000200	2	Apricot, juice-babyfood	0.900000	1.000 1.000	
01030100	10D	Arrowroot, flour	0.040000	1.000 1.000	
01030110	10D	Artichoke, Jerusalem	0.040000	1.000 1.000	
04010080	6A	Arugula	23.380000	1.000 1.000	
09020100	9B	Balsam pear	0.500000	1.000 1.000	
95000230	4	Banana	0.040000	1.000 1.000	
95000240	4	Banana-babyfood	0.040000	1.000 1.000	
95000250	4	Banana, dried	0.040000	3.900 1.000	
95000260	4	Banana, dried-babyfood	0.040000	3.900 1.000	
15000270	15	Barley, pearled barley	0.400000	1.000 1.000	
15000280	15	Barley, pearled barley-babyfood	0.400000	1.000 1.000	
15000290	15	Barley, flour	0.400000	1.000 1.000	
15000300	15	Barley, flour-babyfood	0.400000	1.000 1.000	
15000310	15	Barley, bran	0.400000	2.000 1.000	
06030100	6C	Bean, black, seed	0.210000	1.000 1.000	
06030110	6C	Bean, broad, succulent	0.500000	1.000 1.000	
06030120	6C	Bean, broad, seed	0.210000	1.000 1.000	
06030130	6B	Bean, cowpea, succulent	0.500000	1.000 1.000	
06030140	6C	Bean, cowpea, seed	0.210000	1.000 1.000	
06030150	6C	Bean, great northern, seed	0.210000	1.000 1.000	
06030160	6C	Bean, kidney, seed	0.210000	1.000 1.000	
06030170	6B	Bean, lima, succulent	0.500000	1.000 1.000	
06030180	6C	Bean, lima, seed	0.210000	1.000 1.000	
06030190	6C	Bean, mung, seed	0.210000	1.000 1.000	
06030200	6C	Bean, navy, seed	0.210000	1.000 1.000	
06030210	6C	Bean, pink, seed	0.210000	1.000 1.000	
06030220	6C	Bean, pinto, seed	0.210000	1.000 1.000	
06030230	6A	Bean, snap, succulent	0.500000	1.000 1.000	
06030240	6A	Bean, snap, succulent-babyfood	0.500000	1.000 1.000	
21000350	M	Beef, meat	0.100000	1.000 1.000	
21000360	M	Beef, meat-babyfood	0.100000	1.000 1.000	
21000370	M	Beef, meat, dried	0.100000	1.920 1.000	
21000380	M	Beef, meat byproducts	0.200000	1.000 1.000	
21000390	M	Beef, meat byproducts-babyfood	0.200000	1.000 1.000	
21000400	M	Beef, fat	0.100000	1.000 1.000	
21000410	M	Beef, fat-babyfood	0.100000	1.000 1.000	
21000420	M	Beef, kidney	0.200000	1.000 1.000	
21000430	M	Beef, liver	1.500000	1.000 1.000	
21000440	M	Beef, liver-babyfood	1.500000	1.000 1.000	
09020100	9AB	Beet, garden, roots	0.400000	1.000 1.000	
09020110	9AB	Beet, garden, roots-babyfood	0.400000	1.000 1.000	

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

02000512 2	Beet, garden, tops	16.000000	1.000	1.000
01010520 1A	Beet, sugar	0.200000	0.400	1.000
01010521 1A	Beet, sugar-babyfood	0.200000	0.400	1.000
01010530 1A	Beet, sugar, molasses	0.200000	0.400	1.000
01010531 1A	Beet, sugar, molasses-babyfood	0.200000	0.400	1.000
95000540 0	Belgium endive	6.000000	1.000	1.000
13010550 13A	Blackberry	4.000000	1.000	1.000
13010551 13A	Blackberry, juice	4.000000	1.000	1.000
13010552 13A	Blackberry, juice-babyfood	4.000000	1.000	1.000
13020570 13B	Blueberry	4.000000	1.000	1.000
13020571 13B	Blueberry-babyfood	4.000000	1.000	1.000
13010580 13A	Boysenberry	4.000000	1.000	1.000
14000590 14	Brazil nut	0.040000	1.000	1.000
05010610 5A	Broccoli	5.000000	1.000	1.000
05010611 5A	Broccoli-babyfood	5.000000	1.000	1.000
05010620 5A	Broccoli, Chinese	5.000000	1.000	1.000
05020630 5B	Broccoli raab	16.000000	1.000	1.000
05010640 5A	Brussels sprouts	5.000000	1.000	1.000
01010670 13B	Burdock	0.400000	1.000	1.000
14000680 14	Butternut	0.040000	1.000	1.000
05010690 5A	Cabbage	5.000000	1.000	1.000
05020700 5B	Cabbage, Chinese, bok choy	16.000000	1.000	1.000
05010710 5A	Cabbage, Chinese, napa	5.000000	1.000	1.000
05010720 5A	Cabbage, Chinese, mustard	5.000000	1.000	1.000
09010750 9A	Cantaloupe	0.500000	1.000	1.000
04020760 4B	Cardoon	23.380000	1.000	1.000
01010730 1AB	Carrot	0.400000	1.000	1.000
01010731 1AB	Carrot-babyfood	0.400000	1.000	1.000
01010732 1AB	Carrot, juice	0.400000	1.000	1.000
09010800 9A	Casaba	0.500000	1.000	1.000
14000810 14	Cashew	0.040000	1.000	1.000
01030820 10D	Cassava	0.040000	1.000	1.000
01030821 10D	Cassava-babyfood	0.040000	1.000	1.000
05010830 5A	Cauliflower	5.000000	1.000	1.000
01010840 1AB	Celeriac	0.400000	1.000	1.000
04020850 4B	Celery	10.700000	1.000	1.000
04020851 4B	Celery-babyfood	10.700000	1.000	1.000
04020860 4B	Celery, juice	10.700000	1.000	1.000
04020870 4B	Celtuce	10.700000	1.000	1.000
09020880 9B	Chayote, fruit	0.500000	1.000	1.000
12000910 2	Cherry	0.900000	1.000	1.000
12000911 2	Cherry-babyfood	0.900000	1.000	1.000
12000920 2	Cherry, juice	0.900000	1.500	1.000
12000921 2	Cherry, juice-babyfood	0.900000	1.500	1.000
14000920 14	Chestnut	0.040000	1.000	1.000
05030980 6C	Chickpea, seed	0.340000	1.000	1.000
05030981 6C	Chickpea, seed-babyfood	0.340000	1.000	1.000
05030990 6C	Chickpea, flour	0.340000	1.000	1.000
01011000 1AB	Chicory, roots	0.400000	1.000	1.000
02001010 2	Chicory, tops	16.000000	1.000	1.000
09011020 9B	Chinese waxgourd	0.500000	1.000	1.000
04011040 4A	Chrysanthemum, garland	23.380000	1.000	1.000
10001050 10	Citrus citron	2.000000	1.000	1.000
10001060 10	Citrus hybrids	2.000000	1.000	1.000
10001070 10	Citrus, oil	9.000000	1.000	1.000
05031100 5B	Collards	16.000000	1.000	1.000
15001200 15	Corn, field, flour	0.100000	1.000	1.000
15001201 15	Corn, field, flour-babyfood	0.100000	1.000	1.000
15001210 15	Corn, field, meal	0.100000	1.000	1.000
15001211 15	Corn, field, meal-babyfood	0.100000	1.000	1.000
15001220 15	Corn, field, bran	0.100000	1.000	1.000
15001230 15	Corn, field, starch	0.100000	1.000	1.000
15001231 15	Corn, field, starch-babyfood	0.100000	1.000	1.000
15001250 15	Corn, field, oil	0.300000	1.000	1.000
15001251 15	Corn, field, oil-babyfood	0.300000	1.000	1.000
15001260 15	Corn, pop	0.100000	1.000	1.000
15001270 15	Corn, sweet	0.040000	1.000	1.000
15001271 15	Corn, sweet-babyfood	0.040000	1.000	1.000
95030780 0	Cottonseed, oil	0.300000	1.000	1.000
95030781 0	Cottonseed, oil-babyfood	0.300000	1.000	1.000
13011290 13	Crabapple	1.500000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

04011330	4A	Cress, garden	23.380000	1.000	1.000
04011340	4A	Cress, upland	23.380000	1.000	1.000
09021350	8B	Cucumber	0.500000	1.000	1.000
13021360	12B	Currant	4.000000	1.000	1.000
13021370	13B	Currant, dried	4.000000	1.000	1.000
04011380	4A	Dandelion, leaves	23.380000	1.000	1.000
01001390	1C	Dasheen, corm	0.040000	1.000	1.000
02001400	2	Dasheen, leaves	16.000000	1.000	1.000
13011420	13B	Dewberry	4.000000	1.000	1.000
08001480	8	Eggplant	1.400000	1.000	1.000
13021490	13B	Elderberry	4.000000	1.000	1.000
04011500	4A	Endive	23.380000	1.000	1.000
04021520	4B	Fennel, Florence	23.380000	1.000	1.000
14001550	14	Filbert	0.040000	1.000	1.000
03001640	3	Garlic	0.900000	1.000	1.000
03001650	3	Garlic, dried	0.900000	1.000	1.000
03001650	3	Garlic, dried-babyfood	0.900000	1.000	1.000
01031660	13C	Ginger	0.040000	1.000	1.000
01031670	13B	Ginger, dried	0.040000	1.000	1.000
01011680	13B	Ginseng, dried	0.400000	1.000	1.000
23001690	8	Goat, meat	0.100000	1.000	1.000
23001710	8	Goat, fat	0.100000	1.000	1.000
13021740	13B	Gooseberry	4.000000	1.000	1.000
95001750	6	Grape	2.000000	1.000	1.000
95001760	6	Grape, juice	2.000000	0.010	1.000
95001760	6	Grape, juice-babyfood	2.000000	0.010	1.000
95001770	6	Grape, leaves	2.000000	1.000	1.000
95001780	6	Grape, raisin	7.000000	1.000	1.000
95001790	6	Grape, wine and sherry	2.000000	1.000	1.000
10001800	10	Grapefruit	2.000000	1.000	1.000
10001810	10	Grapefruit, juice	2.000000	0.020	1.000
06031820	6C	Guar, seed	0.340000	1.000	1.000
06031820	6C	Guar, seed-babyfood	0.340000	1.000	1.000
09011850	9A	Honeydew melon	0.500000	1.000	1.000
95001880	6	Hop	23.300000	1.000	1.000
01011900	13B	Horseradish	0.400000	1.000	1.000
13021910	13B	Huckleberry	4.000000	1.000	1.000
05021940	5B	Kale	16.000000	1.000	1.000
05011950	5A	Kohlrabi	5.000000	1.000	1.000
10001970	10	Kumquat	2.000000	1.000	1.000
03001980	3	Leek	0.900000	1.000	1.000
10001990	10	Lemon	2.000000	1.000	1.000
10002000	10	Lemon, juice	2.000000	0.020	1.000
10002000	10	Lemon, juice-babyfood	2.000000	0.020	1.000
10002010	10	Lemon, peel	2.000000	1.000	1.000
06032040	6C	Lentil, seed	0.340000	1.000	1.000
04012050	4A	Lettuce, head	14.400000	1.000	1.000
04012050	4A	Lettuce, leaf	20.100000	1.000	1.000
10002060	10	Lime	2.000000	1.000	1.000
10002070	10	Lime, juice	2.000000	0.020	1.000
10002070	10	Lime, juice-babyfood	2.000000	0.020	1.000
13012080	13A	Loganberry	4.000000	1.000	1.000
11002090	11	Loquat	1.500000	1.000	1.000
14002110	14	Macadamia nut	0.040000	1.000	1.000
95002150	6	Mango	0.100000	1.000	1.000
95002150	6	Mango-babyfood	0.100000	1.000	1.000
95002160	6	Mango, dried	0.100000	1.000	1.000
95002170	6	Mango, juice	0.100000	1.000	1.000
95002170	6	Mango, juice-babyfood	0.100000	1.000	1.000
27002220	27	Milk, fat	0.100000	1.000	1.000
27002220	27	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27002230	27	Milk, nonfat solids	0.100000	1.000	1.000
27002230	27	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27002240	27	Milk, water	0.100000	1.000	1.000
27002240	27	Milk, water-babyfood/infant food	0.100000	1.000	1.000
27002250	27	Milk, sugar (lactose)-baby food/	0.100000	1.000	1.000
05022290	5B	Mustard greens	16.000000	1.000	1.000
12002300	12	Nectarine	0.900000	1.000	1.000
02002310	2	Okra	1.400000	1.000	1.000
03002320	3	Onion, dry bulb	0.900000	1.000	1.000
03002320	3	Onion, dry bulb-babyfood	0.900000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

03002380	3	Onion, dry bulb, dried	0.900000	9.000	1.000
03002381	3	Onion, dry bulb, dried-babyfood	0.900000	9.000	1.000
03002390	3	Onion, green	0.900000	1.000	1.000
10002400	10	Orange	2.000000	1.000	1.000
10002410	10	Orange, juice	2.000000	0.020	1.000
10002411	10	Orange, juice-babyfood	2.000000	0.020	1.000
10002420	10	Orange, peel	2.000000	1.000	1.000
95002450	0	Papaya	0.100000	1.000	1.000
95002451	0	Papaya-babyfood	0.100000	1.000	1.000
95002460	0	Papaya, dried	0.100000	1.800	1.000
95002470	0	Papaya, juice	0.100000	1.500	1.000
04012480	4A	Parsley, leaves	23.380000	1.000	1.000
01012500	1AB	Parsley, turnip rooted	0.400000	1.000	1.000
01012510	1AB	Parsnip	0.400000	1.000	1.000
01012511	1AB	Parsnip-babyfood	0.400000	1.000	1.000
06022550	6B	Pea, succulent	0.200000	1.000	1.000
06022551	6B	Pea, succulent-babyfood	0.200000	1.000	1.000
06032560	6B	Pea, dry	0.100000	1.000	1.000
06032561	6B	Pea, dry-babyfood	0.100000	1.000	1.000
06012570	6A	Pea, edible podded, succulent	0.500000	1.000	1.000
06032580	6B	Pea, pigeon, seed	0.100000	1.000	1.000
06022590	6B	Pea, pigeon, succulent	0.200000	1.000	1.000
12002610	12	Peach	0.900000	1.000	1.000
12002611	12	Peach-babyfood	0.900000	1.000	1.000
12002610	12	Peach, dried	0.900000	7.000	1.000
12002611	12	Peach, juice	0.900000	1.000	1.000
12002611	12	Peach, juice-babyfood	0.900000	1.000	1.000
95002610	0	Peanut	0.050000	1.000	1.000
95002610	0	Peanut, butter	0.050000	1.890	1.000
95002610	0	Peanut, oil	0.100000	1.900	1.000
11002610	11	Pear	1.500000	1.000	1.000
11002611	11	Pear-babyfood	1.500000	1.000	1.000
11002610	11	Pear, dried	1.500000	6.250	1.000
11002610	11	Pear, juice	1.500000	1.000	1.000
11002611	11	Pear, juice-babyfood	1.500000	1.000	1.000
14002610	14	Pecan	0.040000	1.000	1.000
08002700	8	Pepper, bell	1.400000	1.000	1.000
08002710	8	Pepper, bell, dried	1.400000	1.000	1.000
08002711	8	Pepper, bell, dried-babyfood	1.400000	1.000	1.000
08002720	8	Pepper, nonbell	1.400000	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	1.400000	1.000	1.000
08002730	8	Pepper, nonbell, dried	1.400000	1.000	1.000
95002750	0	Peppermint	8.000000	1.000	1.000
95002760	0	Peppermint, oil	3.000000	1.000	1.000
14002810	14	Pistachio	0.700000	1.000	1.000
95002810	0	Plantain	0.040000	1.000	1.000
95002810	0	Plantain, dried	0.040000	3.900	1.000
12002810	12	Plum	0.900000	1.000	1.000
12012811	12	Plum-babyfood	0.900000	1.000	1.000
12002810	12	Plum, prune, fresh	0.900000	1.000	1.000
12012811	12	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002810	12	Plum, prune, dried	0.900000	1.300	1.000
12002811	12	Plum, prune, juice	0.900000	1.400	1.000
12012811	12	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002910	M	Pork, meat	0.100000	1.000	1.000
25002911	M	Pork, meat-babyfood	0.100000	1.000	1.000
25002910	M	Pork, skin	0.100000	1.000	1.000
25002910	M	Pork, meat byproducts	0.200000	1.000	1.000
25002911	M	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002910	M	Pork, fat	0.100000	1.000	1.000
25002911	M	Pork, fat-babyfood	0.100000	1.000	1.000
25002910	M	Pork, kidney	0.200000	1.000	1.000
25002910	M	Pork, liver	1.500000	1.000	1.000
01012910	1C	Potato, chips	0.040000	1.000	1.000
01012910	1C	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01012911	1C	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01012910	1C	Potato, flour	0.040000	1.000	1.000
01012911	1C	Potato, flour-babyfood	0.040000	1.000	1.000
01012910	1C	Potato, tuber, w/peel	0.040000	1.000	1.000
01012910	1C	Potato, tuber, w/o peel	0.040000	1.000	1.000
01012911	1C	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

10003070	13	Pummelo	2.000000	1.000	1.000
09023080	25	Pumpkin	0.500000	1.000	1.000
09023090	28	Pumpkin, seed	0.500000	1.000	1.000
11003100	01	Quince	1.500000	1.000	1.000
04013130	4A	Radicchio	23.380000	1.000	1.000
01013140	1AF	Radish, roots	0.400000	1.000	1.000
01013160	1AA	Radish, Oriental, roots	0.400000	1.000	1.000
05023180	53	Rape greens	16.000000	1.000	1.000
12013200	13A	Raspberry	4.000000	1.000	1.000
12013201	13A	Raspberry-babyfood	4.000000	1.000	1.000
12013210	13A	Raspberry, juice	4.000000	1.000	1.000
12013211	13A	Raspberry, juice-babyfood	4.000000	1.000	1.000
04023220	4B	Rhubarb	23.380000	1.000	1.000
01013271	15B	Rutabaga	0.400000	1.000	1.000
15003280	17	Rye, grain	0.040000	1.000	1.000
04013310	17A	Salsify, roots	0.400000	1.000	1.000
03003380	1	Shallot	0.900000	1.000	1.000
26003390	4	Sheep, meat	0.100000	1.000	1.000
26003391	4	Sheep, meat-babyfood	0.100000	1.000	1.000
26003400	4	Sheep, meat byproducts	0.200000	1.000	1.000
26003410	4	Sheep, fat	0.100000	1.000	1.000
26003411	4	Sheep, fat-babyfood	0.100000	1.000	1.000
26003420	4	Sheep, kidney	0.200000	1.000	1.000
26003430	4	Sheep, liver	1.500000	1.000	1.000
06003440	1	Soybean, seed	0.040000	1.000	1.000
06003450	1	Soybean, flour	0.040000	1.000	1.000
06003451	1	Soybean, flour-babyfood	0.040000	1.000	1.000
06003460	1	Soybean, soy milk	0.040000	1.000	1.000
06003461	1	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003466	1	Soybean, oil	0.040000	0.800	1.000
06003467	1	Soybean, oil-babyfood	0.040000	0.800	1.000
95003500	0	Spearmint	8.000000	1.000	1.000
95003510	0	Spearmint, oil	8.000000	1.000	1.000
04013511	4A	Spinach	23.380000	1.000	1.000
04013511	4A	Spinach-babyfood	23.380000	1.000	1.000
09023560	23	Squash, summer	0.500000	1.000	1.000
09023561	23	Squash, summer-babyfood	0.500000	1.000	1.000
09023570	23	Squash, winter	0.500000	1.000	1.000
09023571	23	Squash, winter-babyfood	0.500000	1.000	1.000
95003590	0	Strawberry	1.200000	1.000	1.000
95003591	0	Strawberry-babyfood	1.200000	1.000	1.000
95003596	0	Strawberry, juice	1.200000	1.000	1.000
95003597	0	Strawberry, juice-babyfood	1.200000	1.000	1.000
20003600	20	Sunflower, seed	0.300000	1.000	1.000
20003601	20	Sunflower, oil	0.300000	1.000	1.000
20003602	20	Sunflower, oil-babyfood	0.300000	1.000	1.000
01013611	1CD	Sweet potato	0.040000	1.000	1.000
01013611	1CD	Sweet potato-babyfood	0.040000	1.000	1.000
04013621	4B	Swiss chard	23.380000	1.000	1.000
70003650	13	Tangerine	2.000000	1.000	1.000
10003660	10	Tangerine, juice	2.000000	0.020	1.000
01013670	1CD	Tanier, corn	0.040000	1.000	1.000
08003680	8	Tomatillo	1.400000	1.000	1.000
08003681	8	Tomato	1.400000	1.000	1.000
08003682	8	Tomato-babyfood	1.400000	1.000	1.000
08003683	8	Tomato, paste	1.400000	2.100	1.000
08003684	8	Tomato, paste-babyfood	1.400000	2.100	1.000
08003685	8	Tomato, puree	1.400000	0.550	1.000
08003686	8	Tomato, puree-babyfood	1.400000	0.550	1.000
08003687	8	Tomato, dried	1.400000	14.300	1.000
08003688	8	Tomato, dried-babyfood	1.400000	14.300	1.000
08003689	8	Tomato, juice	1.400000	1.500	1.000
15003690	15	Triticale, flour	0.200000	0.700	1.000
01013691	1CD	Turmeric	0.040000	1.000	1.000
01023700	5B	Turnip, greens	16.000000	1.000	1.000
01013710	1AB	Turnip, roots	0.400000	1.000	1.000
14003711	14	Walnut	0.040000	1.000	1.000
09013720	9A	Watermelon	0.500000	1.000	1.000
09013721	9A	Watermelon, juice	0.500000	1.000	1.000
15003730	15	Wheat, grain	0.200000	1.000	1.000
15003731	15	Wheat, grain-babyfood	0.200000	1.000	1.000

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

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15004020	15	Wheat, flour	0.200000	0.700	1.000
15004021	15	Wheat, flour-babyfood	0.200000	0.700	1.000
15004030	15	Wheat, germ	0.200000	0.850	1.000
15004040	15	Wheat, bran	0.200000	1.000	1.000
01034060	100	Yam, true	0.040000	1.000	1.000
01034070	100	Yam bean	0.040000	1.000	1.000

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Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

## Attachment 3. Pyraclostrobin Acute Dietary Analysis Results -- Food Only

U.S. Environmental Protection Agency Ver. 2.02  
 DEEM-PCID ACUTE Analysis for PYRACLOSTROBIN (1994-98 data)  
 Residue file: Tol+HR.R98 Adjustment factor #2 NOT used.  
 Analysis Date: 03-21-2007/15:55:21 Residue file dated: 03-21-2007/15:48:28/8  
 AOEL (Acute) = 300.000000 mg/kg body-wt/day  
 Acute Pop Adjusted Dose (aPAD) varies with population; see individual reports  
 Daily totals for food and foodform consumption used.  
 Run Comment: "03-21-07: Tol + HR; aPAD (female)=0.05 mkd"

Summary calculations (per capita):

95th Percentile			99th Percentile			99.9th Percentile		
Exposure	% aPAD	MOE	Exposure	% aPAD	MOE	Exposure	% aPAD	MOE
U.S. Population:								
0.011343	1.38	7255	0.073808	2.46	4064	0.148061	4.94	2026
All infants:								
0.051248	1.71	5853	0.166339	5.55	1802	0.443568	14.79	676
Children 1-2 yrs:								
0.053996	2.30	4348	0.129045	4.30	2324	0.376938	12.56	795
Children 3-5 yrs:								
0.060815	2.03	4931	0.105028	3.50	2856	0.280244	9.34	1070
Children 6-12 yrs:								
0.04461	1.49	6718	0.070897	2.37	4225	0.156027	5.20	1922
Youth 13-19 yrs:								
0.033545	1.12	8916	0.063552	2.12	4720	0.093889	3.13	3195
Adults 20-49 yrs:								
0.032137	1.24	8074	0.069190	2.31	4335	0.119558	3.99	2509
Adults 50-64 yrs:								
0.039487	1.32	7537	0.071451	2.38	4198	0.126583	4.22	2369
Females 15-49 yrs:								
0.034986	78.12	7680	0.072186	144.37	4155	0.140935	281.87	2128

## Attachment 4. Pyraclostrobin Acute Dietary Analysis Input File -- Food &amp; Water

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

Filename: J:\Documents and Settings\lcheng\My Documents\DEEM FCID  
 1c\Pyraclostrobin\Tol+HR+water.R98  
 Chemical: Pyraclostrobin  
 RfD(Chronic): 0.334 mg/kg bw/day NOEL(Chronic): 3.4 mg/kg bw/day  
 RfD(Acute): 3 mg/kg bw/day NOEL(Acute): 300 mg/kg bw/day  
 Date created: last modified: 03-20-2007/12:45:47/8 Program ver. 2.03  
 Comment: 03-16-07: Tol + HR + water; aPAD (female)=0.05 mkd

EPA Code	Comp. Grp	Commodity Name	Def Res (ppm)	Adj. Factors #1	Adj. Factors #2	Comment
14000039	14	Almond	0.040000	1.000	1.000	
14000040	14	Almond, oil	0.040000	1.000	1.000	
04010053	40	Amaranth, leafy	23.330000	1.000	1.000	
11000070	11	Apple, fruit with peel	1.500000	1.000	1.000	
11000080	11	Apple, peeled fruit	1.500000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	1.500000	1.000	1.000	
11000090	11	Apple, dried	1.500000	8.000	1.000	
11000091	11	Apple, dried-babyfood	1.500000	8.000	1.000	
11001000	11	Apple, juice	1.500000	0.200	1.000	
11001001	11	Apple, juice-babyfood	1.500000	0.200	1.000	
11001010	11	Apple, sauce	1.500000	1.000	1.000	
11001011	11	Apple, sauce-babyfood	1.500000	1.000	1.000	
12000100	12	Apricot	0.900000	1.000	1.000	
12000101	12	Apricot-babyfood	0.900000	1.000	1.000	
12000130	12	Apricot, dried	0.900000	6.000	1.000	
12000140	12	Apricot, juice	0.900000	1.000	1.000	
12000141	12	Apricot, juice-babyfood	0.900000	1.000	1.000	
01030150	100	Arrowroot, flour	0.040000	1.000	1.000	
01030150	100	Artichoke, Jerusalem	0.040000	1.000	1.000	
04010180	14	Arugula	23.380000	1.000	1.000	
09020210	09	Balsam pear	0.500000	1.000	1.000	
95000250	95	Banana	0.040000	1.000	1.000	
95000251	95	Banana-babyfood	0.040000	1.000	1.000	
95000260	95	Banana, dried	0.040000	3.900	1.000	
95000261	95	Banana, dried-babyfood	0.040000	3.900	1.000	
15000250	15	Barley, pearled barley	0.400000	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	0.400000	1.000	1.000	
15000260	15	Barley, flour	0.400000	1.000	1.000	
15000261	15	Barley, flour-babyfood	0.400000	1.000	1.000	
15000270	15	Barley, bran	0.400000	1.000	1.000	
06030300	60	Bean, black, seed	0.210000	1.000	1.000	
06020310	60	Bean, broad, succulent	0.500000	1.000	1.000	
06030400	60	Bean, broad, seed	0.210000	1.000	1.000	
06020330	60	Bean, cowpea, succulent	0.500000	1.000	1.000	
06030440	60	Bean, cowpea, seed	0.210000	1.000	1.000	
06030450	60	Bean, great northern seed	0.210000	1.000	1.000	
06030560	60	Bean, kidney, seed	0.210000	1.000	1.000	
06020340	60	Bean, lima, succulent	0.500000	1.000	1.000	
06030480	60	Bean, lima, seed	0.210000	1.000	1.000	
06030490	60	Bean, mung, seed	0.210000	1.000	1.000	
06030500	60	Bean, navy, seed	0.210000	1.000	1.000	
06030510	60	Bean, pink, seed	0.210000	1.000	1.000	
06030520	60	Bean, pinto, seed	0.210000	1.000	1.000	
06010450	60	Bean, snap, succulent	0.500000	1.000	1.000	
06010451	60	Bean, snap, succulent-babyfood	0.500000	1.000	1.000	
21000440	21	Beef, meat	0.100000	1.000	1.000	
21000441	21	Beef, meat-babyfood	0.100000	1.000	1.000	
21000450	21	Beef, meat, dried	0.100000	1.920	1.000	
21000460	21	Beef, meat byproducts	0.200000	1.000	1.000	
21000461	21	Beef, meat byproducts-babyfood	0.200000	1.000	1.000	
21000470	21	Beef, fat	0.100000	1.000	1.000	
21000471	21	Beef, fat-babyfood	0.100000	1.000	1.000	
21000480	21	Beef, kidney	0.200000	1.000	1.000	
21000490	21	Beef, liver	1.500000	1.000	1.000	
21000491	21	Beef, liver-babyfood	1.500000	1.000	1.000	
01010500	1AB	Beet, garden, roots	0.400000	1.000	1.000	
01010501	1AB	Beet, garden, roots-babyfood	0.400000	1.000	1.000	
02000600	2	Beet, garden, tops	16.000000	1.000	1.000	
01010520	1A	Beet, sugar	0.200000	0.400	1.000	
01010521	1A	Beet, sugar-babyfood	0.200000	0.400	1.000	



## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

01010530	1A	Beet, sugar, molasses	0.200000	0.400	1.000
01010531	1A	Beet, sugar, molasses-babyfood	0.200000	0.400	1.000
95000540	0	Belgium endive	4.000000	1.000	1.000
13010550	13A	Blackberry	4.000000	1.000	1.000
13010560	13A	Blackberry, juice	4.000000	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	4.000000	1.000	1.000
15020570	15A	Blueberry	4.000000	1.000	1.000
15020571	15A	Blueberry-babyfood	4.000000	1.000	1.000
13010580	13A	Boysenberry	4.000000	1.000	1.000
14000590	14	Brazil nut	0.040000	1.000	1.000
05010610	5A	Broccoli	5.000000	1.000	1.000
05010611	5A	Broccoli-babyfood	5.000000	1.000	1.000
05010620	5A	Broccoli, Chinese	5.000000	1.000	1.000
05020630	5B	Broccoli raab	16.000000	1.000	1.000
05010640	5A	Brussels sprouts	5.000000	1.000	1.000
01010670	1AB	Burdock	0.400000	1.000	1.000
14000680	14	Butternut	0.040000	1.000	1.000
05010690	5A	Cabbage	5.000000	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	16.000000	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	5.000000	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	5.000000	1.000	1.000
05010730	5A	Cantaloupe	0.500000	1.000	1.000
04020760	4B	Cardoon	23.380000	1.000	1.000
01010780	1AB	Carrot	0.400000	1.000	1.000
01010781	1AB	Carrot-babyfood	0.400000	1.000	1.000
01010790	1AB	Carrot, juice	0.400000	1.000	1.000
09010800	9B	Casaba	0.500000	1.000	1.000
14000810	14	Cashew	0.040000	1.000	1.000
01030820	1D	Cassava	0.040000	1.000	1.000
01030821	1D	Cassava-babyfood	0.040000	1.000	1.000
05010830	5A	Cauliflower	5.000000	1.000	1.000
01010840	1AB	Celeriac	0.400000	1.000	1.000
04020850	4B	Celery	10.700000	1.000	1.000
04020851	4B	Celery-babyfood	10.700000	1.000	1.000
04020860	4B	Celery, juice	10.700000	1.000	1.000
04020870	4B	Celtuce	10.700000	1.000	1.000
09020880	9B	Chayote, fruit	0.500000	1.000	1.000
12000900	12	Cherry	0.900000	1.000	1.000
12000901	12	Cherry-babyfood	0.900000	1.000	1.000
12000910	12	Cherry, juice	0.900000	1.500	1.000
12000911	12	Cherry, juice-babyfood	0.900000	1.500	1.000
14000920	14	Chestnut	0.040000	1.000	1.000
06030980	6C	Chickpea, seed	0.340000	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.340000	1.000	1.000
06030990	6C	Chickpea, flour	0.340000	1.000	1.000
01011001	1AB	Chicory, roots	0.400000	1.000	1.000
02001100	2	Chicory, tops	16.000000	1.000	1.000
09021110	9B	Chinese waxgourd	0.500000	1.000	1.000
04011120	4A	Chrysanthemum, garland	23.380000	1.000	1.000
10001100	10	Citrus citron	2.000000	1.000	1.000
10001101	10	Citrus hybrids	2.000000	1.000	1.000
10011110	10	Citrus, oil	9.000000	1.000	1.000
05031170	5B	Collards	16.000000	1.000	1.000
15031210	15	Corn, field, flour	0.100000	1.000	1.000
15031211	15	Corn, field, flour-babyfood	0.100000	1.000	1.000
15031212	15	Corn, field, meal	0.100000	1.000	1.000
15031213	15	Corn, field, meal-babyfood	0.100000	1.000	1.000
15031214	15	Corn, field, bran	0.100000	1.000	1.000
15031215	15	Corn, field, starch	0.100000	1.000	1.000
15031216	15	Corn, field, starch-babyfood	0.100000	1.000	1.000
15031217	15	Corn, field, oil	0.300000	1.000	1.000
15031218	15	Corn, field, oil-babyfood	0.300000	1.000	1.000
15031219	15	Corn, pop	0.100000	1.000	1.000
15031220	15	Corn, sweet	0.040000	1.000	1.000
15031221	15	Corn, sweet-babyfood	0.040000	1.000	1.000
95001230	0	Cottonseed, oil	0.300000	1.000	1.000
95001231	0	Cottonseed, oil-babyfood	0.300000	1.000	1.000
11031240	11	Crabapple	1.500000	1.000	1.000
04011250	4A	Cress, garden	23.380000	1.000	1.000
04011251	4A	Cress, upland	23.380000	1.000	1.000
09031260	9B	Cucumber	0.500000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

13001360	13A	Currant	4.000000	1.000	1.000
13021370	13B	Currant, dried	4.000000	1.000	1.000
04001380	1A	Dandelion, leaves	23.380000	1.000	1.000
01031390	10A	Dasheen, corm	0.040000	1.000	1.000
02001400	2	Dasheen, leaves	16.000000	1.000	1.000
13011420	13A	Dewberry	4.000000	1.000	1.000
08001480	8	Eggplant	1.400000	1.000	1.000
13021490	13B	Elderberry	4.000000	1.000	1.000
04011500	4A	Endive	23.380000	1.000	1.000
04021520	4F	Fennel, Florence	23.380000	1.000	1.000
14001550	14	Filbert	0.040000	1.000	1.000
08001640	8	Garlic	0.990000	1.000	1.000
03001650	3	Garlic, dried	0.900000	1.000	1.000
03001655	3	Garlic, dried-babyfood	0.900000	1.000	1.000
01031660	10A	Ginger	0.040000	1.000	1.000
01031670	10B	Ginger, dried	0.040000	1.000	1.000
01011680	1A	Ginseng, dried	0.400000	1.000	1.000
23001690	23	Goat, meat	0.100000	1.000	1.000
23001700	23	Goat, fat	0.100000	1.000	1.000
13021740	13B	Gooseberry	4.000000	1.000	1.000
95001750	95	Grape	2.000000	1.000	1.000
95001760	95	Grape, juice	2.000000	0.010	1.000
95001770	95	Grape, juice-babyfood	2.000000	0.010	1.000
95001780	95	Grape, leaves	2.000000	1.000	1.000
95001790	95	Grape, raisin	7.000000	1.000	1.000
95001800	95	Grape, wine and sherry	2.000000	1.000	1.000
10001800	10	Grapefruit	2.000000	1.000	1.000
10001810	10	Grapefruit, juice	2.000000	0.020	1.000
06031870	6A	Guar, seed	0.340000	1.000	1.000
06031875	6A	Guar, seed-babyfood	0.340000	1.000	1.000
09011870	9A	Honeydew melon	0.500000	1.000	1.000
95001880	95	Hop	23.000000	1.000	1.000
01011905	1AB	Horseradish	0.400000	1.000	1.000
13021910	13B	Huckleberry	4.000000	1.000	1.000
05021940	5A	Kale	16.000000	1.000	1.000
05011950	5A	Kohlrabi	5.000000	1.000	1.000
10001970	10	Kumquat	2.000000	1.000	1.000
03001980	3	Leek	0.900000	1.000	1.000
10001990	10	Lemon	2.000000	1.000	1.000
10002000	10	Lemon, juice	2.000000	0.020	1.000
10002010	10	Lemon, juice-babyfood	2.000000	0.020	1.000
10002020	10	Lemon, peel	2.000000	1.000	1.000
06032035	6C	Lentil, seed	0.340000	1.000	1.000
04012040	4A	Lettuce, head	14.400000	1.000	1.000
04012050	4A	Lettuce, leaf	20.100000	1.000	1.000
10002060	10	Lime	2.000000	1.000	1.000
10002070	10	Lime, juice	2.000000	0.020	1.000
10002080	10	Lime, juice-babyfood	2.000000	0.020	1.000
13012090	13A	Loganberry	4.000000	1.000	1.000
11002100	11	Loquat	1.500000	1.000	1.000
14002110	14	Macadamia nut	0.040000	1.000	1.000
95002120	95	Mango	0.100000	1.000	1.000
95002130	95	Mango-babyfood	0.100000	1.000	1.000
95002140	95	Mango, dried	0.100000	1.000	1.000
95002150	95	Mango, juice	0.100000	1.000	1.000
95002160	95	Mango, juice-babyfood	0.100000	1.000	1.000
27002270	27	Milk, fat	0.100000	1.000	1.000
27002280	27	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27002290	27	Milk, nonfat solids	0.100000	1.000	1.000
27002300	27	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27002310	27	Milk, water	0.100000	1.000	1.000
27002320	27	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27002330	27	Milk, sugar (lactose)-baby food/	0.100000	1.000	1.000
05002370	5B	Mustard greens	16.000000	1.000	1.000
12002400	12	Nectarine	0.900000	1.000	1.000
08002430	8	Okra	1.400000	1.000	1.000
03002470	3	Onion, dry bulb	0.900000	1.000	1.000
03002480	3	Onion, dry bulb-babyfood	0.900000	1.000	1.000
03002490	3	Onion, dry bulb, dried	0.900000	1.000	1.000
03002500	3	Onion, dry bulb, dried-babyfood	0.900000	1.000	1.000
03002510	3	Onion, green	0.900000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

10002400	10	Orange	2.000000	1.000	1.000
10002410	10	Orange, juice	2.000000	0.020	1.000
10002411	10	Orange, juice-babyfood	2.000000	0.020	1.000
10002420	10	Orange, peel	2.000000	1.000	1.000
95002450	0	Papaya	0.100000	1.000	1.000
95002451	0	Papaya-babyfood	0.100000	1.000	1.000
95002460	0	Papaya, dried	0.100000	1.800	1.000
95002470	0	Papaya, juice	0.100000	1.500	1.000
06012480	1A	Parsley, leaves	23.380000	1.000	1.000
01012500	0AF	Parsley, turnip rooted	0.400000	1.000	1.000
01012510	0AF	Parsnip	0.400000	1.000	1.000
01012511	0AF	Parsnip-babyfood	0.400000	1.000	1.000
06022550	1E	Pea, succulent	0.200000	1.000	1.000
06022551	1E	Pea, succulent-babyfood	0.200000	1.000	1.000
06032560	00	Pea, dry	0.100000	1.000	1.000
06032561	00	Pea, dry-babyfood	0.100000	1.000	1.000
06012570	1A	Pea, edible podded, succulent	0.500000	1.000	1.000
06032580	00	Pea, pigeon, seed	0.100000	1.000	1.000
06022590	0A	Pea, pigeon, succulent	0.200000	1.000	1.000
12002600	12	Peach	0.900000	1.000	1.000
12002601	12	Peach-babyfood	0.900000	1.000	1.000
12002610	12	Peach, dried	0.900000	7.000	1.000
12002620	12	Peach, juice	0.900000	1.000	1.000
12002631	12	Peach, juice-babyfood	0.900000	1.000	1.000
95002630	0	Peanut	0.050000	1.000	1.000
95002640	0	Peanut, butter	0.050000	1.890	1.000
95002650	0	Peanut, oil	0.100000	1.900	1.000
11002660	11	Pear	1.500000	1.000	1.000
11002661	11	Pear-babyfood	1.500000	1.000	1.000
11002670	11	Pear, dried	1.500000	6.250	1.000
11002680	11	Pear, juice	1.500000	1.000	1.000
11002691	11	Pear, juice-babyfood	1.500000	1.000	1.000
14002690	14	Pecan	0.040000	1.000	1.000
08002700	0	Pepper, bell	1.400000	1.000	1.000
08002710	0	Pepper, bell, dried	1.400000	1.000	1.000
08002721	0	Pepper, bell, dried-babyfood	1.400000	1.000	1.000
08002730	0	Pepper, nonbell	1.400000	1.000	1.000
08002741	0	Pepper, nonbell-babyfood	1.400000	1.000	1.000
08002751	0	Pepper, nonbell, dried	1.400000	1.000	1.000
95002760	0	Peppermint	8.000000	1.000	1.000
95002770	0	Peppermint, oil	3.000000	1.000	1.000
14002800	14	Pistachio	0.700000	1.000	1.000
95002800	0	Plantain	0.040000	1.000	1.000
95002810	0	Plantain, dried	0.040000	3.900	1.000
12002810	12	Plum	0.900000	1.000	1.000
12002820	12	Plum-babyfood	0.900000	1.000	1.000
12002830	12	Plum, prune, fresh	0.900000	1.000	1.000
12002841	12	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002850	12	Plum, prune, dried	0.900000	1.300	1.000
12002861	12	Plum, prune, juice	0.900000	1.400	1.000
12002871	12	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002900	M	Pork, meat	0.100000	1.000	1.000
25002901	M	Pork, meat-babyfood	0.100000	1.000	1.000
25002910	M	Pork, skin	0.100000	1.000	1.000
25002920	M	Pork, meat byproducts	0.200000	1.000	1.000
25002931	M	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002940	M	Pork, fat	0.100000	1.000	1.000
25002951	M	Pork, fat-babyfood	0.100000	1.000	1.000
25002960	M	Pork, kidney	0.200000	1.000	1.000
25002970	M	Pork, liver	1.500000	1.000	1.000
01002980	1C	Potato, chips	0.040000	1.000	1.000
01002990	1C	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01003001	1C	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01003010	1C	Potato, flour	0.040000	1.000	1.000
01003021	1C	Potato, flour-babyfood	0.040000	1.000	1.000
01003030	1C	Potato, tuber, w/peel	0.040000	1.000	1.000
01003041	1C	Potato, tuber, w/o peel	0.040000	1.000	1.000
01003051	1C	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000
10003060	10	Pumpkin	2.000000	1.000	1.000
01003070	9B	Pumpkin	0.500000	1.000	1.000
01003080	9B	Pumpkin, seed	0.500000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

11003100 1L	Quince	1.500000	1.000	1.000
04013130 4A	Radicchio	23.380000	1.000	1.000
01013140 12B	Radish, roots	0.400000	1.000	1.000
01013160 12B	Radish, Oriental, roots	0.400000	1.000	1.000
05023180 1B	Rape greens	16.000000	1.000	1.000
13013200 15A	Raspberry	4.000000	1.000	1.000
13013201 15A	Raspberry-babyfood	4.000000	1.000	1.000
13013210 13A	Raspberry, juice	4.000000	1.000	1.000
13013211 13A	Raspberry, juice-babyfood	4.000000	1.000	1.000
04023220 4B	Rhubarb	23.380000	1.000	1.000
01013230 14B	Rutabaga	0.400000	1.000	1.000
15003280 15	Rye, grain	0.040000	1.000	1.000
01013310 1Aa	Salsify, roots	0.400000	1.000	1.000
05003340 4	Shallot	0.900000	1.000	1.000
16003390 8	Sheep, meat	0.100000	1.000	1.000
26003391 8	Sheep, meat-babyfood	0.100000	1.000	1.000
26003400 8	Sheep, meat byproducts	0.200000	1.000	1.000
26003410 8	Sheep, fat	0.100000	1.000	1.000
26003411 8	Sheep, fat-babyfood	0.100000	1.000	1.000
26003420 8	Sheep, kidney	0.200000	1.000	1.000
26003430 8	Sheep, liver	1.500000	1.000	1.000
06003440 4	Soybean, seed	0.040000	1.000	1.000
06003448 4	Soybean, flour	0.040000	1.000	1.000
06003451 4	Soybean, flour-babyfood	0.040000	1.000	1.000
06003450 6	Soybean, soy milk	0.040000	1.000	1.000
06003451 6	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003480 6	Soybean, oil	0.040000	0.800	1.000
06003481 6	Soybean, oil-babyfood	0.040000	0.800	1.000
95003500 1	Spearmint	8.000000	1.000	1.000
95003501 1	Spearmint, oil	8.000000	1.000	1.000
04013510 4A	Spinach	23.380000	1.000	1.000
04013511 4A	Spinach-babyfood	23.380000	1.000	1.000
09023560 03	Squash, summer	0.500000	1.000	1.000
09023561 03	Squash, summer-babyfood	0.500000	1.000	1.000
09023570 03	Squash, winter	0.500000	1.000	1.000
09023571 03	Squash, winter-babyfood	0.500000	1.000	1.000
95003590 1	Strawberry	1.200000	1.000	1.000
95003591 1	Strawberry-babyfood	1.200000	1.000	1.000
95003600 1	Strawberry, juice	1.200000	1.000	1.000
95003601 1	Strawberry, juice-babyfood	1.200000	1.000	1.000
20003640 20	Sunflower, seed	0.300000	1.000	1.000
20003641 20	Sunflower, oil	0.300000	1.000	1.000
20003641 20	Sunflower, oil-babyfood	0.300000	1.000	1.000
01033681 1CD	Sweet potato	0.040000	1.000	1.000
01033681 1CD	Sweet potato-babyfood	0.040000	1.000	1.000
04023690 1B	Swiss chard	23.380000	1.000	1.000
10003691 10	Tangerine	2.000000	1.000	1.000
10003691 10	Tangerine, juice	2.000000	0.020	1.000
01033721 1CD	Tanier, corn	0.040000	1.000	1.000
08003731 8	Tomatillo	1.400000	1.000	1.000
08003731 8	Tomato	1.400000	1.000	1.000
08003731 8	Tomato-babyfood	1.400000	1.000	1.000
08003740 8	Tomato, paste	1.400000	2.100	1.000
08003741 8	Tomato, paste-babyfood	1.400000	2.100	1.000
08003750 8	Tomato, puree	1.400000	0.550	1.000
08003751 8	Tomato, puree-babyfood	1.400000	0.550	1.000
08003760 8	Tomato, dried	1.400000	14.300	1.000
08003761 8	Tomato, dried-babyfood	1.400000	14.300	1.000
08003770 8	Tomato, juice	1.400000	1.500	1.000
15003810 15	Triticale, flour	0.200000	0.700	1.000
01033821 1CD	Turmeric	0.040000	1.000	1.000
05013830 5B	Turnip, greens	16.000000	1.000	1.000
01013831 1AB	Turnip, roots	0.400000	1.000	1.000
14013841 14	Walnut	0.040000	1.000	1.000
86010000 0	Water, direct, all sources	0.010000	1.000	1.000
86010000 0	Water, indirect, all sources	0.010000	1.000	1.000
09013891 9A	Watermelon	0.500000	1.000	1.000
09013891 9A	Watermelon, juice	0.500000	1.000	1.000
15004011 15	Wheat, grain	0.200000	1.000	1.000
15004011 15	Wheat, grain-babyfood	0.200000	1.000	1.000
15004021 15	Wheat, flour	0.200000	0.700	1.000

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

15004021 15	Wheat, flour-babyfood	0.200000	0.700	1.000
15004030 11	Wheat, germ	0.200000	0.850	1.000
15004040 11	Wheat, bran	0.200000	1.000	1.000
01034060 12	Yam, true	0.040000	1.000	1.000
01034070 12	Yam bean	0.040000	1.000	1.000

## Attachment 5. Pyraclostrobin Acute Dietary Analysis Results -- Food &amp; Water

U.S. Environmental Protection Agency Ver. 2.02  
 DEEM-B-7D ACUTE Analysis for PYRACLOSTROBIN (1994-98 data)  
 Residue file: Tol+HR+water.R98 Adjustment factor #2 NOT used.  
 Analysis Date: 03-20-2007/12:50:34 Residue file dated: 03-20-2007/12:45:47/8  
 NOEL (Acute) = 300.000000 mg/kg body-wt/day  
 Acute Pop Adjusted Dose (aPAD) varies with population; see individual reports  
 Daily totals for food and foodform consumption used.  
 Run Comment: "03-20-07: Tol + HR + water; aPAD (female)=0.05 mkd"

Summary calculations (per capita):

55th Percentile			99th Percentile			99.9th Percentile		
Exposure	% aPAD	MOE	Exposure	% aPAD	MOE	Exposure	% aPAD	MOE
U.S. Population:								
0.071172	1.38	7233	0.074042	2.47	4051	0.148498	4.95	2020

Pyraclostrobin Dietary Exposure and Risk Assessment DP Number: 337818

All infants:								
0.05153%	1.72	5821	0.171886	5.73	1745	0.443856	14.80	675
Children 1-2 yrs:								
0.069800%	2.33	4297	0.130622	4.35	2296	0.398588	13.29	752
Children 3-4 yrs:								
0.061227%	2.04	4899	0.105834	3.53	2834	0.282223	9.41	1062
Children 5-12 yrs:								
0.044518%	1.48	6738	0.070785	2.36	4238	0.138492	4.62	2166
Youth 13-19 yrs:								
0.034661%	1.53	8823	0.064544	2.15	4647	0.094344	3.14	3179
Adults 20-49 yrs:								
0.037455%	1.25	8009	0.069479	2.32	4317	0.120422	4.01	2491
Adults 50+ yrs:								
0.039775%	1.32	7551	0.071623	2.39	4188	0.127525	4.25	2352
Females 13-19 yrs:								
0.039100%	73.39	7653	0.072493	144.99	4138	0.141698	283.40	2117

Attachment 6. Pyraclostrobin Chronic Dietary Analysis Input File – Food Only

Filename: C:\Documents and Settings\icheng\My Documents\DEEM FCID  
 lc\Pyraclostrobin\Tot+ave.R98  
 Chemical: Pyraclostrobin  
 RfD(Chronic): .034 mg/kg bw/day NOEL(Chronic): 3.4 mg/kg bw/day  
 RfD(Acute): 3 mg/kg bw/day NOEL(Acute): 300 mg/kg bw/day  
 Date created/last modified: 03-21-2007/15:46:54/8 Program ver. 2.03  
 Comment: 03-21-07: Tot + ave res (apple, grape, leaf lettuce, head lettuce, orange,  
 pepper, tomato)

BAF	Crop		Def Res	Adj.Factors	Comment
Code	Grp	Commodity Name	(ppm)	#1 #2	
14030000	14	Almond	0.040000	1.000 1.000	
14002040	14	Almond, oil	0.040000	1.000 1.000	
04030000	4A	Amaranth, leafy	29.000000	1.000 1.000	
11000000	11	Apple, fruit with peel	0.310000	1.000 1.000	
11000000	11	Apple, peeled fruit	0.310000	1.000 1.000	
11000000	11	Apple, peeled fruit-babyfood	0.310000	1.000 1.000	
11000000	11	Apple, dried	0.310000	8.000 1.000	
11000000	11	Apple, dried-babyfood	0.310000	8.000 1.000	

Pyraclostrobin		Dietary Exposure and Risk Assessment		DP Number: 337818	
11000100	11	Apple, juice	0.310000	0.200	1.000
11000101	11	Apple, juice-babyfood	0.310000	0.200	1.000
11000110	11	Apple, sauce	0.310000	1.000	1.000
11000111	11	Apple, sauce-babyfood	0.310000	1.000	1.000
12000120	12	Apricot	0.900000	1.000	1.000
12000121	12	Apricot-babyfood	0.900000	1.000	1.000
12000130	12	Apricot, dried	0.900000	6.000	1.000
12000140	12	Apricot, juice	0.900000	1.000	1.000
12000141	12	Apricot, juice-babyfood	0.900000	1.000	1.000
01030150	100	Arrowroot, flour	0.040000	1.000	1.000
01030170	100	Artichoke, Jerusalem	0.040000	1.000	1.000
04010180	40	Arugula	29.000000	1.000	1.000
09020210	90	Balsam pear	0.500000	1.000	1.000
95000230	0	Banana	0.040000	1.000	1.000
95000231	0	Banana-babyfood	0.040000	1.000	1.000
95000240	0	Banana, dried	0.040000	3.900	1.000
95000241	0	Banana, dried-babyfood	0.040000	3.900	1.000
15000250	10	Barley, pearled barley	0.400000	1.000	1.000
15000251	10	Barley, pearled barley-babyfood	0.400000	1.000	1.000
15000260	10	Barley, flour	0.400000	1.000	1.000
15000261	10	Barley, flour-babyfood	0.400000	1.000	1.000
15000270	10	Barley, bran	0.400000	1.000	1.000
06030300	60	Bean, black, seed	0.500000	1.000	1.000
06020310	60	Bean, broad, succulent	0.500000	1.000	1.000
06030320	60	Bean, broad, seed	0.500000	1.000	1.000
06020320	60	Bean, cowpea, succulent	0.500000	1.000	1.000
06030330	60	Bean, cowpea, seed	0.500000	1.000	1.000
06030340	60	Bean, great northern, seed	0.500000	1.000	1.000
06030350	60	Bean, kidney, seed	0.500000	1.000	1.000
06020360	60	Bean, lima, succulent	0.500000	1.000	1.000
06030360	60	Bean, lima, seed	0.500000	1.000	1.000
06030370	60	Bean, mung, seed	0.500000	1.000	1.000
06030380	60	Bean, navy, seed	0.500000	1.000	1.000
06030390	60	Bean, pink, seed	0.500000	1.000	1.000
06030400	60	Bean, pinto, seed	0.500000	1.000	1.000
06010430	60	Bean, snap, succulent	0.500000	1.000	1.000
06010431	60	Bean, snap, succulent-babyfood	0.500000	1.000	1.000
21000440	20	Beef, meat	0.100000	1.000	1.000
21000441	20	Beef, meat-babyfood	0.100000	1.000	1.000
21000450	20	Beef, meat, dried	0.100000	1.920	1.000
21000460	20	Beef, meat byproducts	0.200000	1.000	1.000
21000461	20	Beef, meat byproducts-babyfood	0.200000	1.000	1.000
21000470	20	Beef, fat	0.100000	1.000	1.000
21000471	20	Beef, fat-babyfood	0.100000	1.000	1.000
21000480	20	Beef, kidney	0.200000	1.000	1.000
21000490	20	Beef, liver	1.500000	1.000	1.000
21000491	20	Beef, liver-babyfood	1.500000	1.000	1.000
01010500	100	Beet, garden, roots	0.400000	1.000	1.000
01010501	100	Beet, garden, roots-babyfood	0.400000	1.000	1.000
02000510	0	Beet, garden, tops	16.000000	1.000	1.000
01010520	10	Beet, sugar	0.200000	1.000	1.000
01010521	10	Beet, sugar-babyfood	0.200000	1.000	1.000
01010530	10	Beet, sugar, molasses	0.200000	1.000	1.000
01010531	10	Beet, sugar, molasses-babyfood	0.200000	1.000	1.000
95000540	0	Belgium endive	6.000000	1.000	1.000
13010560	130	Blackberry	4.000000	1.000	1.000
13010561	130	Blackberry, juice	4.000000	1.000	1.000
13010562	130	Blackberry, juice-babyfood	4.000000	1.000	1.000
13010570	130	Blueberry	4.000000	1.000	1.000
13010571	130	Blueberry-babyfood	4.000000	1.000	1.000
13010580	130	Boysenberry	4.000000	1.000	1.000
14000590	140	Brazil nut	0.040000	1.000	1.000
05010600	50	Broccoli	5.000000	1.000	1.000
05010601	50	Broccoli-babyfood	5.000000	1.000	1.000
05010620	50	Broccoli, Chinese	5.000000	1.000	1.000
05010621	50	Broccoli, Chinese	5.000000	1.000	1.000
05010630	50	Broccoli, stalk	16.000000	1.000	1.000
05010631	50	Brussels sprouts	5.000000	1.000	1.000
01010640	100	Burdock	0.400000	1.000	1.000
14000650	140	Butternut	0.040000	1.000	1.000
04010660	40	Cabbage	5.000000	1.000	1.000
04010661	40	Cabbage, Chinese, bok choy	16.000000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

05010710	EA	Cabbage, Chinese, napa	5.000000	1.000	1.000
05010730	EA	Cabbage, Chinese, mustard	5.000000	1.000	1.000
09010750	EA	Cantaloupe	0.500000	1.000	1.000
04020780	EB	Cardoon	29.000000	1.000	1.000
01010780	LAB	Carrot	0.400000	1.000	1.000
01010780	LAB	Carrot-babyfood	0.400000	1.000	1.000
01010790	LAB	Carrot, juice	0.400000	1.000	1.000
09010800	EA	Casaba	0.500000	1.000	1.000
14000810	EA	Cashew	0.040000	1.000	1.000
01030820	CD	Cassava	0.040000	1.000	1.000
01030820	CD	Cassava-babyfood	0.040000	1.000	1.000
05010830	EA	Cauliflower	5.000000	1.000	1.000
01010840	LAB	Celeriac	0.400000	1.000	1.000
04020850	EB	Celery	29.000000	1.000	1.000
04020850	EB	Celery-babyfood	29.000000	1.000	1.000
04020860	EB	Celery, juice	29.000000	1.000	1.000
04020870	EB	Celtuce	29.000000	1.000	1.000
09020880	EA	Chayote, fruit	0.500000	1.000	1.000
12000900	EB	Cherry	0.900000	1.000	1.000
12000900	EB	Cherry-babyfood	0.900000	1.000	1.000
12000910	EB	Cherry, juice	0.900000	1.500	1.000
12000910	EB	Cherry, juice-babyfood	0.900000	1.500	1.000
14000920	EA	Chestnut	0.040000	1.000	1.000
06030930	EB	Chickpea, seed	0.340000	1.000	1.000
06030930	EB	Chickpea, seed-babyfood	0.340000	1.000	1.000
06030940	EB	Chickpea, flour	0.340000	1.000	1.000
01011000	LAB	Chicory, roots	0.400000	1.000	1.000
02001010	EB	Chicory, tops	15.000000	1.000	1.000
09021030	EA	Chinese waxgourd	0.500000	1.000	1.000
04011040	EA	Chrysanthemum, garland	29.000000	1.000	1.000
10001050	EB	Citrus citron	2.000000	1.000	1.000
10001070	EB	Citrus hybrids	2.000000	1.000	1.000
10001080	EB	Citrus, oil	9.000000	1.000	1.000
05021110	EB	Collards	16.000000	1.000	1.000
15001200	EB	Corn, field, flour	0.100000	1.000	1.000
15001210	EB	Corn, field, flour-babyfood	0.100000	1.000	1.000
15001210	EB	Corn, field, meal	0.100000	1.000	1.000
15001210	EB	Corn, field, meal-babyfood	0.100000	1.000	1.000
15001220	EB	Corn, field, bran	0.100000	1.000	1.000
15001220	EB	Corn, field, starch	0.100000	1.000	1.000
15001230	EB	Corn, field, starch-babyfood	0.100000	1.000	1.000
15001250	EB	Corn, field, oil	0.300000	1.000	1.000
15001250	EB	Corn, field, oil-babyfood	0.300000	1.000	1.000
15001260	EB	Corn, pop	0.100000	1.000	1.000
15001270	EB	Corn, sweet	0.040000	1.000	1.000
15001270	EB	Corn, sweet-babyfood	0.040000	1.000	1.000
05001280	EB	Cottonseed, oil	0.300000	0.300	1.000
05001280	EB	Cottonseed, oil-babyfood	0.300000	0.300	1.000
11001290	EB	Crabapple	1.500000	1.000	1.000
04011300	EA	Cress, garden	29.000000	1.000	1.000
04011300	EA	Cress, upland	29.000000	1.000	1.000
09021310	EB	Cucumber	0.500000	1.000	1.000
13021320	EB	Currant	4.000000	1.000	1.000
13021320	EB	Currant, dried	4.000000	1.000	1.000
04011330	EA	Dandelion, leaves	29.000000	1.000	1.000
01031340	CD	Dasheen, corm	0.040000	1.000	1.000
02001350	EB	Dasheen, leaves	15.000000	1.000	1.000
13011360	BA	Dewberry	4.000000	1.000	1.000
08001370	EB	Eggplant	1.400000	1.000	1.000
13021380	EB	Elderberry	4.000000	1.000	1.000
04011390	EA	Endive	29.000000	1.000	1.000
04021400	EB	Fennel, Florence	29.000000	1.000	1.000
14001410	EA	Filbert	0.040000	1.000	1.000
05001420	EB	Garlic	0.900000	1.000	1.000
03001430	EB	Garlic, dried	0.900000	1.000	1.000
03001430	EB	Garlic, dried-babyfood	0.900000	1.000	1.000
01011440	CD	Ginger	0.040000	1.000	1.000
01011440	CD	Ginger, dried	0.040000	1.000	1.000
01011440	CD	Ginseng, dried	0.400000	1.000	1.000
23001450	EA	Goat, meat	0.100000	1.000	1.000
23001450	EA	Goat, fat	0.100000	1.000	1.000



Pyraclostrobin		Dietary Exposure and Risk Assessment		DP Number: 337818	
13021740	13A	Gooseberry	4.000000	1.000	1.000
95001750	0	Grape	0.768000	1.000	1.000
95001760	0	Grape, juice	0.768000	0.010	1.000
95001770	0	Grape, juice-babyfood	0.768000	0.010	1.000
95001780	0	Grape, leaves	0.768000	1.000	1.000
95001790	0	Grape, raisin	7.000000	1.000	1.000
95001790	0	Grape, wine and sherry	2.000000	1.000	1.000
10001800	10	Grapefruit	2.000000	1.000	1.000
10001810	10	Grapefruit, juice	2.000000	1.000	1.000
06031820	6C	Guar, seed	0.500000	1.000	1.000
06031820	6C	Guar, seed-babyfood	0.500000	1.000	1.000
09011870	9A	Honeydew melon	0.500000	1.000	1.000
95001880	0	Hop	23.000000	1.000	1.000
01011950	12B	Horseradish	0.400000	1.000	1.000
13021910	13A	Huckleberry	4.000000	1.000	1.000
95021940	0	Kale	16.000000	1.000	1.000
05011960	5A	Kohlrabi	5.000000	1.000	1.000
10001970	10	Kumquat	2.000000	1.000	1.000
03001980	3	Leek	0.900000	1.000	1.000
10001990	10	Lemon	2.000000	1.000	1.000
10002000	10	Lemon, juice	2.000000	0.020	1.000
10002010	10	Lemon, juice-babyfood	2.000000	0.020	1.000
10002020	10	Lemon, peel	2.000000	1.000	1.000
06032030	6C	Lentil, seed	0.500000	1.000	1.000
04012040	4B	Lettuce, head	0.590000	1.000	1.000
04012040	4B	Lettuce, leaf	7.680000	1.000	1.000
10002050	10	Lime	2.000000	1.000	1.000
10002060	10	Lime, juice	2.000000	0.020	1.000
10002070	10	Lime, juice-babyfood	2.000000	0.020	1.000
13012080	13A	Loganberry	4.000000	1.000	1.000
11002100	11	Loquat	1.500000	1.000	1.000
14002110	14	Macadamia nut	0.040000	1.000	1.000
95002120	0	Mango	0.100000	1.000	1.000
95002130	0	Mango-babyfood	0.100000	1.000	1.000
95002140	0	Mango, dried	0.100000	1.000	1.000
95002150	0	Mango, juice	0.100000	1.000	1.000
95002160	0	Mango, juice-babyfood	0.100000	1.000	1.000
27002170	27	Milk, fat	0.100000	1.000	1.000
27002180	27	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27012190	27	Milk, nonfat solids	0.100000	1.000	1.000
27012200	27	Milk, nonfat solids-baby food/inf	0.100000	1.000	1.000
27022210	27	Milk, water	0.100000	1.000	1.000
27022220	27	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27032230	27	Milk, sugar (lactose) baby food/	0.100000	1.000	1.000
05022240	5B	Mustard greens	16.000000	1.000	1.000
12002250	12	Nectarine	0.900000	1.000	1.000
08002260	8	Okra	1.400000	1.000	1.000
03002270	3	Onion, dry bulb	0.900000	1.000	1.000
03002280	3	Onion, dry bulb-babyfood	0.900000	1.000	1.000
03002290	3	Onion, dry bulb, dried	0.900000	9.000	1.000
03002300	3	Onion, dry bulb, dried babyfood	0.900000	9.000	1.000
03002310	3	Onion, green	0.900000	1.000	1.000
10002320	10	Orange	0.300000	1.000	1.000
10002330	10	Orange, juice	0.300000	0.020	1.000
10002340	10	Orange, juice-babyfood	0.300000	0.020	1.000
10002350	10	Orange, peel	0.300000	1.000	1.000
95002360	0	Papaya	0.100000	1.000	1.000
95002370	0	Papaya-babyfood	0.100000	1.000	1.000
95002380	0	Papaya, dried	0.100000	1.000	1.000
95002390	0	Papaya, juice	0.100000	1.500	1.000
04012400	4A	Parsley, leaves	29.000000	1.000	1.000
01012410	1AB	Parsley, turnip root-ed	0.400000	1.000	1.000
01012420	1AB	Parsnip	0.400000	1.000	1.000
01012430	1AB	Parsnip-babyfood	0.400000	1.000	1.000
06022440	6B	Pea, succulent	0.200000	1.000	1.000
06022450	6B	Pea, succulent-babyfood	0.200000	1.000	1.000
06022460	6C	Pea, dry	0.500000	1.000	1.000
06022470	6C	Pea, dry-babyfood	0.500000	1.000	1.000
06022480	6A	Pea, edible podded, succulent	0.500000	1.000	1.000
06022490	6C	Pea, pigeon, seed	0.500000	1.000	1.000
06022500	6B	Pea, pigeon, succulent	0.200000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

12002600 11	Peach	0.900000	1.000	1.000
12002601 11	Peach-babyfood	0.900000	1.000	1.000
12002610 11	Peach, dried	0.900000	7.000	1.000
12002620 11	Peach, juice	0.900000	1.000	1.000
12002621 11	Peach, juice-babyfood	0.900000	1.000	1.000
95002630 0	Peanut	0.050000	1.000	1.000
95002640 0	Peanut, butter	0.050000	1.890	1.000
95002650 0	Peanut, oil	0.100000	1.900	1.000
11002660 11	Pear	1.500000	1.000	1.000
11002661 11	Pear-babyfood	1.500000	1.000	1.000
11002670 11	Pear, dried	1.500000	6.250	1.000
11002680 11	Pear, juice	1.500000	1.000	1.000
11002681 11	Pear, juice-babyfood	1.500000	1.000	1.000
14002690 14	Pecan	0.040000	1.000	1.000
08002700 0	Pepper, bell	0.232000	1.000	1.000
08002701 0	Pepper, bell-babyfood	0.232000	1.000	1.000
08002710 0	Pepper, bell, dried	0.232000	1.000	1.000
08002711 0	Pepper, bell, dried-babyfood	0.232000	1.000	1.000
08002720 0	Pepper, nonbell	0.232000	1.000	1.000
08002721 0	Pepper, nonbell-babyfood	0.232000	1.000	1.000
08002730 0	Pepper, nonbell, dried	0.232000	1.000	1.000
95002740 0	Peppermint	8.000000	1.000	1.000
95002750 0	Peppermint, oil	8.000000	1.000	1.000
14002760 14	Pistachio	0.700000	1.000	1.000
95002770 0	Plantain	0.040000	1.000	1.000
95002780 0	Plantain, dried	0.040000	3.900	1.000
12002790 12	Plum	0.900000	1.000	1.000
12002791 12	Plum-babyfood	0.900000	1.000	1.000
12002800 12	Plum, prune, fresh	0.900000	1.000	1.000
12002810 12	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002820 12	Plum, prune, dried	0.900000	1.300	1.000
12002830 12	Plum, prune, juice	0.900000	1.400	1.000
12002831 12	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002840 0	Pork, meat	0.100000	1.000	1.000
25002850 0	Pork, meat-babyfood	0.100000	1.000	1.000
25002860 0	Pork, skin	0.100000	1.000	1.000
25002870 0	Pork, meat byproducts	0.200000	1.000	1.000
25002871 0	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002880 0	Pork, fat	0.100000	1.000	1.000
25002881 0	Pork, fat-babyfood	0.100000	1.000	1.000
25002890 0	Pork, kidney	0.200000	1.000	1.000
25002891 0	Pork, liver	1.500000	1.000	1.000
01032900 10	Potato, chips	0.040000	1.000	1.000
01032910 10	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01032920 10	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01032930 10	Potato, flour	0.040000	1.000	1.000
01032940 10	Potato, flour-babyfood	0.040000	1.000	1.000
01032950 10	Potato, tuber, w/peel	0.040000	1.000	1.000
01032960 10	Potato, tuber, w/o peel	0.040000	1.000	1.000
01032970 10	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000
15002980 15	Pummelo	0.000000	1.000	1.000
09022990 09	Pumpkin	0.500000	1.000	1.000
09022991 09	Pumpkin, seed	0.500000	1.000	1.000
11003000 11	Quince	1.500000	1.000	1.000
04013010 4A	Radicchio	29.000000	1.000	1.000
01013020 1AB	Radish, roots	0.400000	1.000	1.000
01013030 1AB	Radish, Oriental roots	0.400000	1.000	1.000
05023040 5B	Rape greens	16.000000	1.000	1.000
13013050 13A	Raspberry	4.000000	1.000	1.000
13013051 13A	Raspberry-babyfood	4.000000	1.000	1.000
13013060 13A	Raspberry, juice	4.000000	1.000	1.000
13013061 13A	Raspberry, juice-babyfood	4.000000	1.000	1.000
04013070 4B	Rhubarb	29.000000	1.000	1.000
01013080 1AB	Rutabaga	0.400000	1.000	1.000
15003090 15	Rye, grain	0.040000	1.000	1.000
01013100 1AB	Salsify, roots	0.400000	1.000	1.000
03013110 3	Shallot	0.900000	1.000	1.000
26013120 2	Sheep, meat	0.100000	1.000	1.000
26013121 2	Sheep, meat-babyfood	0.100000	1.000	1.000
26013130 2	Sheep, meat byproducts	0.200000	1.000	1.000
26013131 2	Sheep, fat	0.100000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

26003411	M	Sheep, fat-babyfood	0.100000	1.000	1.000
26003420	M	Sheep, kidney	0.200000	1.000	1.000
26003430	M	Sheep, liver	1.500000	1.000	1.000
06003470	S	Soybean, seed	0.040000	1.000	1.000
06003480	S	Soybean, flour	0.040000	1.000	1.000
06003481	S	Soybean, flour-babyfood	0.040000	1.000	1.000
06003490	S	Soybean, soy milk	0.040000	1.000	1.000
06003491	S	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003500	S	Soybean, oil	0.040000	1.000	1.000
06003501	S	Soybean, oil-babyfood	0.040000	1.000	1.000
95003520	O	Spearmint	8.000000	1.000	1.000
95003530	O	Spearmint, oil	8.000000	1.000	1.000
24013550	4A	Spinach	29.000000	1.000	1.000
04013551	4A	Spinach-babyfood	29.000000	1.000	1.000
09023560	5F	Squash, summer	0.500000	1.000	1.000
09023561	5F	Squash, summer-babyfood	0.500000	1.000	1.000
09023570	5F	Squash, winter	0.500000	1.000	1.000
09023571	5F	Squash, winter-babyfood	0.500000	1.000	1.000
95003590	O	Strawberry	1.200000	1.000	1.000
95003591	O	Strawberry-babyfood	1.200000	1.000	1.000
95003600	O	Strawberry, juice	1.200000	1.000	1.000
95003601	O	Strawberry, juice-babyfood	1.200000	1.000	1.000
20003610	20	Sunflower, seed	0.300000	1.000	1.000
20003620	20	Sunflower, oil	0.300000	1.000	1.000
20003621	20	Sunflower, oil-babyfood	0.300000	1.000	1.000
01033630	10D	Sweet potato	0.040000	1.000	1.000
01033631	10D	Sweet potato-babyfood	0.040000	1.000	1.000
04023670	4B	Swiss chard	29.000000	1.000	1.000
10003690	10	Tangerine	2.000000	1.000	1.000
10003691	10	Tangerine, juice	2.000000	2.300	1.000
01033710	10D	Tanier, corn	0.040000	1.000	1.000
08003740	8	Tomatillo	2.400000	1.000	1.000
08003750	8	Tomato	0.158000	1.000	1.000
08003751	8	Tomato-babyfood	0.158000	1.000	1.000
08003760	8	Tomato, paste	0.158000	2.100	1.000
08003761	8	Tomato, paste-babyfood	0.158000	2.100	1.000
08003770	8	Tomato, puree	0.158000	0.550	1.000
08003771	8	Tomato, puree-babyfood	0.158000	0.550	1.000
08003780	8	Tomato, dried	0.158000	14.300	1.000
08003781	8	Tomato, dried-babyfood	0.158000	14.300	1.000
08003790	8	Tomato, juice	0.158000	1.500	1.000
15003810	15	Triticale, flour	0.200000	1.000	1.000
01043820	10D	Turmeric	0.040000	1.000	1.000
05003850	53	Turnip, greens	16.300000	1.000	1.000
01043850	1AB	Turnip, roots	0.400000	1.000	1.000
14003860	14	Walnut	0.040000	1.000	1.000
09013990	9A	Watermelon	0.500000	1.000	1.000
09013991	9A	Watermelon, juice	0.500000	1.000	1.000
15003910	15	Wheat, grain	0.200000	1.000	1.000
15003911	15	Wheat, grain-babyfood	0.200000	1.000	1.000
15004020	15	Wheat, flour	0.200000	0.700	1.000
15004021	15	Wheat, flour-babyfood	0.200000	0.700	1.000
15004030	15	Wheat, germ	0.200000	0.850	1.000
15004040	15	Wheat, bran	0.200000	1.000	1.000
01044000	10D	Yam, true	0.040000	1.000	1.000
01044001	10D	Yam bean	0.040000	1.000	1.000

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

## Attachment 7. Pyraclostrobin Chronic Dietary Analysis Results – Food Only

U.S. Environmental Protection Agency Ver. 2.00  
 DEEM-PCID Chronic analysis for PYRACLOSTROBIN (1994-98 data)  
 Residue file name: C:\Documents and Settings\lcheng\My Documents\DEEM PCID  
 lc\Pyraclostrobin\Tol+ave.R98  
 Adjustment factor #2 NOT used.  
 Analysis Date 03-21-2007/15:50:08 Residue file dated: 03-21-2007/15:46:54/8  
 Reference dose (RfD, Chronic) = .034 mg/kg bw/day  
 COMMENT 1: 03-21-07: Tol + ave res (apple, grape, leaf lettuce, head lettuce,  
 orange, pepper, tomato)

## Total exposure by population subgroup

Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of Rfd
U.S. Population (total)	0.008669	25.5%
U.S. Population (spring season)	0.008799	25.9%
U.S. Population (summer season)	0.008393	24.7%
U.S. Population (autumn season)	0.008664	25.5%
U.S. Population (winter season)	0.008838	26.0%
Northeast region	0.009417	27.7%
Midwest region	0.008064	23.7%
Southern region	0.007874	23.2%
Western region	0.009908	29.1%
Hispanics	0.008160	24.0%
Non-Hispanic whites	0.008362	24.6%
Non-Hispanic blacks	0.009250	27.2%
Non-Hisp/non-white/non-black	0.013286	39.1%
All infants (< 1 year)	0.013077	38.5%
Nursing infants	0.006406	18.8%
Non-nursing infants	0.015610	45.9%

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

Children 1-6 yrs	0.016073	47.3%
Children 7-12 yrs	0.009051	26.6%
Females 13-19 (not preg or nursing)	0.005399	15.9%
Females 20+ (not preg or nursing)	0.008325	24.5%
Females 13-50 yrs	0.007374	21.7%
Females 13+ (preg/not nursing)	0.005700	16.8%
Females 13+ (nursing)	0.008165	24.0%
Males 13-19 yrs	0.006338	18.6%
Males 20+ yrs	0.007558	22.2%
Seniors 18+	0.009128	26.8%
Children 1-2 yrs	0.019605	57.7%
Children 3-5 yrs	0.015102	44.4%
Children 6-12 yrs	0.009490	27.9%
Youth 13-19 yrs	0.005881	17.3%
Adults 20-49 yrs	0.007289	21.4%
Adults 50+ yrs	0.009069	26.7%
Females 13-49 yrs	0.007180	21.1%

## Attachment 8. Pyraclostrobin Chronic Dietary Analysis Input File – Food &amp; Water

Filename: C:\Documents and Settings\lchheng\My Documents\DEEM FCID

lc\Pyraclostrobin\Tol+ave+water.R98

Chemical: Pyraclostrobin

RfD(Chronic): 0.034 mg/kg bw/day NOEL(Chronic): 3.4 mg/kg bw/day

RfD(Acute): 3 mg/kg bw/day NOEL(Acute): 300 mg/kg bw/day

Date created/last modified: 03-20-2007/14:56:08/8

Program ver. 2.03

Comment: 03-20-07: Tol + ave res (apple, grape, leaf lettuce, head lettuce, orange, pepper, tomato) + water

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj.Factors #1	Adj.Factors #2	Comment
14000000	14	Almond	0.040000	1.000	1.000	
14000040	14	Almond, oil	0.040000	1.000	1.000	
04010000	4A	Amaranth, leafy	29.000000	1.000	1.000	
11000007	11	Apple, fruit with peel	0.310000	1.000	1.000	
11000008	11	Apple, peeled fruit	0.310000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	0.310000	1.000	1.000	
11001000	11	Apple, dried	0.310000	8.000	1.000	
11000009	11	Apple, dried-babyfood	0.310000	8.000	1.000	
11001000	11	Apple, juice	0.310000	0.200	1.000	
11001001	11	Apple, juice-babyfood	0.310000	0.200	1.000	
11001002	11	Apple, sauce	0.310000	1.000	1.000	
11001003	11	Apple, sauce-babyfood	0.310000	1.000	1.000	
12000100	12	Apricot	0.900000	1.000	1.000	
12000101	12	Apricot-babyfood	0.900000	1.000	1.000	
12000102	12	Apricot, dried	0.900000	6.000	1.000	
12000103	12	Apricot, juice	0.900000	1.000	1.000	
12000104	12	Apricot, juice-babyfood	0.900000	1.000	1.000	
01010100	1CD	Arrowroot, flour	0.040000	1.000	1.000	
01010101	1CD	Artichoke, Jerusalem	0.040000	1.000	1.000	
04010100	4A	Arugula	29.000000	1.000	1.000	
09000100	9B	Balsam pear	0.500000	1.000	1.000	
95000200	0	Banana	0.040000	1.000	1.000	
95000201	0	Banana-babyfood	0.040000	1.000	1.000	
95000202	0	Banana, dried	0.040000	3.900	1.000	
95000203	0	Banana, dried-babyfood	0.040000	3.900	1.000	
15000000	15	Barley, pearled barley	0.400000	1.000	1.000	

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

15000251	15	Barley, pearled barley-babyfood	0.400000	1.000	1.000
15000260	15	Barley, flour	0.400000	1.000	1.000
15000261	15	Barley, flour-babyfood	0.400000	1.000	1.000
15000270	15	Barley, bran	0.400000	1.000	1.000
06030300	6B	Bean, black, seed	0.500000	1.000	1.000
06030310	6B	Bean, broad, succulent	0.500000	1.000	1.000
06030320	6B	Bean, broad, seed	0.500000	1.000	1.000
06030330	6B	Bean, cowpea, succulent	0.500000	1.000	1.000
06030340	6C	Bean, cowpea, seed	0.500000	1.000	1.000
06030350	6C	Bean, great northern, seed	0.500000	1.000	1.000
06030360	6C	Bean, kidney, seed	0.500000	1.000	1.000
06030370	6B	Bean, lima, succulent	0.500000	1.000	1.000
06030380	6C	Bean, lima, seed	0.500000	1.000	1.000
06030390	6C	Bean, mung, seed	0.500000	1.000	1.000
06030400	6C	Bean, navy, seed	0.500000	1.000	1.000
06030410	6C	Bean, pink, seed	0.500000	1.000	1.000
06030420	6C	Bean, pinto, seed	0.500000	1.000	1.000
06010430	5A	Bean, snap, succulent	0.500000	1.000	1.000
06010440	5A	Bean, snap, succulent-babyfood	0.500000	1.000	1.000
21000440	1	Beef, meat	0.100000	1.000	1.000
21000441	1	Beef, meat-babyfood	0.100000	1.000	1.000
21000450	1	Beef, meat, dried	0.100000	1.920	1.000
21000460	1	Beef, meat byproducts	0.200000	1.000	1.000
21000461	1	Beef, meat byproducts-babyfood	0.200000	1.000	1.000
21000470	1	Beef, fat	0.100000	1.000	1.000
21000471	1	Beef, fat-babyfood	0.100000	1.000	1.000
21000480	1	Beef, kidney	0.200000	1.000	1.000
21000490	1	Beef, liver	1.500000	1.000	1.000
21000491	1	Beef, liver-babyfood	1.500000	1.000	1.000
01010500	1AB	Beet, garden, roots	0.400000	1.000	1.000
01010501	1AB	Beet, garden, roots-babyfood	0.400000	1.000	1.000
02000510	1	Beet, garden, tops	16.000000	1.000	1.000
01010520	1A	Beet, sugar	0.200000	1.000	1.000
01010521	1A	Beet, sugar-babyfood	0.200000	1.000	1.000
01010530	1A	Beet, sugar, molasses	0.200000	1.000	1.000
01010531	1A	Beet, sugar, molasses-babyfood	0.200000	1.000	1.000
95000540	1	Belgium endive	6.000000	1.000	1.000
13010550	13A	Blackberry	4.000000	1.000	1.000
13010560	13A	Blackberry, juice	4.000000	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	4.000000	1.000	1.000
13020570	13B	Blueberry	4.000000	1.000	1.000
13020571	13B	Blueberry-babyfood	4.000000	1.000	1.000
15010580	15A	Boysenberry	4.000000	1.000	1.000
14000590	14	Brazil nut	0.040000	1.000	1.000
05010610	5A	Broccoli	5.000000	1.000	1.000
05010611	5A	Broccoli-babyfood	5.000000	1.000	1.000
05010620	5A	Broccoli, Chinese	5.000000	1.000	1.000
05010630	5B	Broccoli, reab	16.000000	1.000	1.000
05010640	5A	Brussels sprouts	5.000000	1.000	1.000
01010670	1AB	Burdock	0.400000	1.000	1.000
14000680	14	Butternut	0.040000	1.000	1.000
05010690	5A	Cabbage	5.000000	1.000	1.000
05010700	5B	Cabbage, Chinese, bok choy	16.000000	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	5.000000	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	5.000000	1.000	1.000
09010800	9A	Cantaloupe	0.500000	1.000	1.000
04020810	4B	Cardoon	29.000000	1.000	1.000
01010820	1AB	Carrot	0.400000	1.000	1.000
01010821	1AB	Carrot-babyfood	0.400000	1.000	1.000
01010830	1AB	Carrot, juice	0.400000	1.000	1.000
09010840	9A	Casaba	0.500000	1.000	1.000
14000850	14	Cashew	0.040000	1.000	1.000
07000860	7CD	Cassava	0.040000	1.000	1.000
07000861	7CD	Cassava-babyfood	0.040000	1.000	1.000
05010870	5A	Cauliflower	5.000000	1.000	1.000
07000880	7AB	Celeriac	0.400000	1.000	1.000
04010890	4B	Celery	29.000000	1.000	1.000
04010891	4B	Celery-babyfood	29.000000	1.000	1.000
04010892	4B	Celery, juice	29.000000	1.000	1.000
04010900	4B	Celtuce	29.000000	1.000	1.000
06010910	6B	Chayote, fruit	0.500000	1.000	1.000

## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

12000900 11	Cherry	0.900000	1.000	1.000
12000901 11	Cherry-babyfood	0.900000	1.000	1.000
13000910 11	Cherry, juice	0.900000	1.500	1.000
13000911 11	Cherry, juice-babyfood	0.900000	1.500	1.000
14000920 11	Chestnut	0.040000	1.000	1.000
06030980 61	Chickpea, seed	0.340000	1.000	1.000
06030981 61	Chickpea, seed-babyfood	0.340000	1.000	1.000
06030990 61	Chickpea, flour	0.340000	1.000	1.000
01011000 14B	Chicory, roots	0.400000	1.000	1.000
02001010 12	Chicory, tops	16.000000	1.000	1.000
09021020 23	Chinese waxgourd	0.500000	1.000	1.000
04011040 4A	Chrysanthemum, garland	29.000000	1.000	1.000
10001060 10	Citrus citron	2.000000	1.000	1.000
10001070 10	Citrus hybrids	2.000000	1.000	1.000
10001080 10	Citrus, oil	9.000000	1.000	1.000
06021170 5B	Collards	16.000000	1.000	1.000
15001200 15	Corn, field, flour	0.100000	1.000	1.000
15001201 15	Corn, field, flour-babyfood	0.100000	1.000	1.000
15001210 15	Corn, field, meal	0.100000	1.000	1.000
15001211 15	Corn, field, meal-babyfood	0.100000	1.000	1.000
15001220 15	Corn, field, bran	0.100000	1.000	1.000
15001230 15	Corn, field, starch	0.100000	1.000	1.000
15001231 15	Corn, field, starch-babyfood	0.100000	1.000	1.000
15001240 15	Corn, field, oil	0.300000	1.000	1.000
15001241 15	Corn, field, oil-babyfood	0.300000	1.000	1.000
15001250 15	Corn, pop	0.100000	1.000	1.000
15001270 15	Corn, sweet	0.040000	1.000	1.000
15001271 15	Corn, sweet-babyfood	0.040000	1.000	1.000
05001280 05	Cottonseed, oil	0.300000	0.300	1.000
05001281 05	Cottonseed, oil-babyfood	0.300000	0.300	1.000
11001290 11	Crabapple	1.500000	1.000	1.000
04011330 4A	Cress, garden	29.000000	1.000	1.000
04011340 4A	Cress, upland	29.000000	1.000	1.000
09021350 23	Cucumber	0.500000	1.000	1.000
13021360 13B	Currant	4.000000	1.000	1.000
13021370 13B	Currant, dried	4.000000	1.000	1.000
04021380 4A	Dandelion, leaves	29.000000	1.000	1.000
01031420 10CD	Dasheen, corm	0.040000	1.000	1.000
02001430 12	Dasheen, leaves	16.000000	1.000	1.000
13011440 13A	Dewberry	4.000000	1.000	1.000
08001480 08	Eggplant	1.400000	1.000	1.000
13021490 13B	Elderberry	4.000000	1.000	1.000
04011500 4A	Endive	29.000000	1.000	1.000
04021510 4B	Fennel, Florence	29.000000	1.000	1.000
14001520 14	Filbert	0.040000	1.000	1.000
03001530 13	Garlic	0.900000	1.000	1.000
03001540 13	Garlic, dried	0.900000	1.000	1.000
03001550 13	Garlic, dried-babyfood	0.900000	1.000	1.000
01001560 10CD	Ginger	0.040000	1.000	1.000
01001570 10CD	Ginger, dried	0.040000	1.000	1.000
01001580 1AB	Ginseng, dried	0.400000	1.000	1.000
13001590 13B	Goat, meat	0.100000	1.000	1.000
13001600 13B	Goat, fat	0.100000	1.000	1.000
13001610 13B	Gooseberry	4.000000	1.000	1.000
05001620 05	Grape	0.768000	1.000	1.000
05001630 05	Grape, juice	0.768000	0.010	1.000
05001640 05	Grape, juice-babyfood	0.768000	0.010	1.000
05001650 05	Grape, leaves	0.768000	1.000	1.000
05001660 05	Grape, raisin	7.000000	1.000	1.000
05001670 05	Grape, wine and sherry	2.000000	1.000	1.000
10001680 10	Grapefruit	2.000000	1.000	1.000
10001690 10	Grapefruit, juice	2.000000	1.000	1.000
06001720 6C	Guar, seed	0.500000	1.000	1.000
06001730 6C	Guar, seed-babyfood	0.500000	1.000	1.000
09011740 19A	Honeydew melon	0.500000	1.000	1.000
05001750 05	Hop	23.000000	1.000	1.000
01001760 1AB	Horseradish	0.400000	1.000	1.000
13001770 13B	Huckleberry	4.000000	1.000	1.000
04001780 4B	Kale	16.000000	1.000	1.000
04001790 4A	Kohlrabi	5.000000	1.000	1.000
10001800 10	Kumquat	2.000000	1.000	1.000

## Pyraclostroin

## Dietary Exposure and Risk Assessment

DP Number: 337818

01031980 3	Leek	0.900000	1.000	1.000
10001990 10	Lemon	2.000000	1.000	1.000
10002010 10	Lemon, juice	2.000000	0.020	1.000
10002000 10	Lemon, juice-babyfood	2.000000	0.020	1.000
10002010 10	Lemon, peel	2.000000	1.000	1.000
05032030 62	Lentil, seed	0.500000	1.000	1.000
04012040 44	Lettuce, head	0.590000	1.000	1.000
04012050 44	Lettuce, leaf	7.680000	1.000	1.000
10002050 10	Lime	2.000000	1.000	1.000
10002070 10	Lime, juice	2.000000	0.020	1.000
10002070 10	Lime, juice-babyfood	2.000000	0.020	1.000
13012030 13A	Loganberry	4.000000	1.000	1.000
11002100 11	Loquat	1.500000	1.000	1.000
14002130 14	Macadamia nut	0.040000	1.000	1.000
95002150 9	Mango	0.100000	1.000	1.000
95002150 9	Mango-babyfood	0.100000	1.000	1.000
95002150 9	Mango, dried	0.100000	1.000	1.000
95002150 9	Mango, juice	0.100000	1.000	1.000
95002150 9	Mango, juice-babyfood	0.100000	1.000	1.000
27002220 27	Milk, fat	0.100000	1.000	1.000
27002220 27	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27012220 27	Milk, nonfat solids	0.100000	1.000	1.000
27012220 27	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27022220 27	Milk, water	0.100000	1.000	1.000
27022220 27	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27032220 27	Milk, sugar (lactose)-baby food/	0.100000	1.000	1.000
05002230 5A	Mustard greens	16.000000	1.000	1.000
12001200 12	Nectarine	0.900000	1.000	1.000
08002140 8	Okra	1.400000	1.000	1.000
03002170 3	Onion, dry bulb	0.900000	1.000	1.000
03002170 3	Onion, dry bulb-babyfood	0.900000	1.000	1.000
03002170 3	Onion, dry bulb, dried	0.900000	9.000	1.000
03002170 3	Onion, dry bulb, dried-babyfood	0.900000	9.000	1.000
03002170 3	Onion, green	0.900000	1.000	1.000
10002170 10	Orange	0.300000	1.000	1.000
10002170 10	Orange, juice	0.300000	0.020	1.000
10002170 10	Orange, juice-babyfood	0.300000	0.020	1.000
10002170 10	Orange, peel	0.300000	1.000	1.000
95002450 9	Papaya	0.100000	1.000	1.000
95002450 9	Papaya-babyfood	0.100000	1.000	1.000
95002450 9	Papaya, dried	0.100000	1.800	1.000
95002450 9	Papaya, juice	0.100000	1.500	1.000
04011400 4A	Parsley, leaves	29.000000	1.000	1.000
01012501 1AB	Parsley, turnip rooted	0.400000	1.000	1.000
01012501 1AB	Parsnip	0.400000	1.000	1.000
01012501 1AB	Parsnip-babyfood	0.400000	1.000	1.000
06022500 6B	Pea, succulent	0.200000	1.000	1.000
06022500 6B	Pea, succulent-babyfood	0.200000	1.000	1.000
06022500 6C	Pea, dry	0.500000	1.000	1.000
06022500 6C	Pea, dry-babyfood	0.500000	1.000	1.000
06022500 6A	Pea, edible podded, succulent	0.500000	1.000	1.000
06022500 6C	Pea, pigeon, seed	0.500000	1.000	1.000
06022500 6B	Pea, pigeon, succulent	0.200000	1.000	1.000
12012500 12	Peach	0.900000	1.000	1.000
12012500 12	Peach-babyfood	0.900000	1.000	1.000
12012500 12	Peach, dried	0.900000	7.000	1.000
12012500 12	Peach, juice	0.900000	1.000	1.000
12012500 12	Peach, juice-babyfood	0.900000	1.000	1.000
95002500 9	Peanut	0.050000	1.000	1.000
95002500 9	Peanut, butter	0.050000	1.800	1.000
95002500 9	Peanut, oil	0.100000	1.900	1.000
11002500 11	Pear	1.500000	1.000	1.000
11002500 11	Pear-babyfood	1.500000	1.000	1.000
11002500 11	Pear, dried	1.500000	6.250	1.000
11002500 11	Pear, juice	1.500000	1.000	1.000
11002500 11	Pear, juice-babyfood	1.500000	1.000	1.000
14002500 14	Pecan	0.040000	1.000	1.000
08002500 8	Pepper, bell	0.232000	1.000	1.000
08002500 8	Pepper, bell-babyfood	0.232000	1.000	1.000
08002500 8	Pepper, bell, dried	0.232000	1.000	1.000
08002500 8	Pepper, bell, dried-babyfood	0.232000	1.000	1.000



## Pyraclostrobin

## Dietary Exposure and Risk Assessment

DP Number: 337818

08002720	8	Pepper, nonbell	0.232000	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	0.232000	1.000	1.000
08002730	8	Pepper, nonbell, dried	0.232000	1.000	1.000
95002750	0	Peppermint	8.000000	1.000	1.000
95002760	0	Peppermint, oil	8.000000	1.000	1.000
14002830	14	Pistachio	0.700000	1.000	1.000
95002830	0	Plantain	0.040000	1.000	1.000
95002840	0	Plantain, dried	0.040000	3.900	1.000
12002850	12	Plum	0.900000	1.000	1.000
12002851	12	Plum-babyfood	0.900000	1.000	1.000
12002860	12	Plum, prune, fresh	0.900000	1.000	1.000
12002861	12	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002870	12	Plum, prune, dried	0.900000	1.300	1.000
12002880	12	Plum, prune, juice	0.900000	1.400	1.000
12002881	12	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002900	25	Pork, meat	0.100000	1.000	1.000
25002901	25	Pork, meat-babyfood	0.100000	1.000	1.000
25002910	25	Pork, skin	0.100000	1.000	1.000
25002920	25	Pork, meat byproducts	0.200000	1.000	1.000
25002921	25	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002930	25	Pork, fat	0.100000	1.000	1.000
25002931	25	Pork, fat-babyfood	0.100000	1.000	1.000
25002940	25	Pork, kidney	0.200000	1.000	1.000
25002950	25	Pork, liver	1.500000	1.000	1.000
01032960	10	Potato, chips	0.040000	1.000	1.000
01032970	10	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01032971	10	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01032980	10	Potato, flour	0.040000	1.000	1.000
01032981	10	Potato, flour-babyfood	0.040000	1.000	1.000
01032990	10	Potato, tuber, w/peel	0.040000	1.000	1.000
01032991	10	Potato, tuber, w/o peel	0.040000	1.000	1.000
01033000	10	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000
10003010	10	Pummelo	3.000000	1.000	1.000
09023020	09	Pumpkin	3.500000	1.000	1.000
09023021	09	Pumpkin, seed	3.500000	1.000	1.000
11003100	11	Quince	1.500000	1.000	1.000
04013130	14	Radicchio	29.000000	1.000	1.000
01013140	1AB	Radish, roots	0.400000	1.000	1.000
01013141	1AB	Radish, Oriental, roots	0.400000	1.000	1.000
05023140	05	Rape greens	15.000000	1.000	1.000
13013200	13A	Raspberry	4.000000	1.000	1.000
13013201	13A	Raspberry-babyfood	4.000000	1.000	1.000
13013210	13A	Raspberry, juice	4.000000	1.000	1.000
13013211	13A	Raspberry, juice-babyfood	4.000000	1.000	1.000
04013220	14B	Rhubarb	29.000000	1.000	1.000
01013230	1AB	Rutabaga	0.400000	1.000	1.000
15003400	15	Rye, grain	0.040000	1.000	1.000
03013410	1AB	Salsify, roots	0.400000	1.000	1.000
03003420	3	Shallot	0.900000	1.000	1.000
26003430	26	Sheep, meat	0.100000	1.000	1.000
26003431	26	Sheep, meat-babyfood	0.100000	1.000	1.000
26003440	26	Sheep, meat byproducts	0.200000	1.000	1.000
26003441	26	Sheep, fat	0.100000	1.000	1.000
26003442	26	Sheep, fat-babyfood	0.100000	1.000	1.000
26003450	26	Sheep, kidney	0.200000	1.000	1.000
26003451	26	Sheep, liver	1.500000	1.000	1.000
06003460	6	Soybean, seed	0.040000	1.000	1.000
06003461	6	Soybean, flour	0.040000	1.000	1.000
06003462	6	Soybean, flour-babyfood	0.040000	1.000	1.000
06003463	6	Soybean, soy milk	0.040000	1.000	1.000
06003464	6	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003465	6	Soybean, oil	0.040000	1.000	1.000
06003466	6	Soybean, oil-babyfood	0.040000	1.000	1.000
91003500	0	Spearmint	8.000000	1.000	1.000
91003501	0	Spearmint, oil	8.000000	1.000	1.000
04013510	14A	Spinach	29.000000	1.000	1.000
04013511	14A	Spinach-babyfood	29.000000	1.000	1.000
09003520	09B	Squash, summer	0.500000	1.000	1.000
09003521	09B	Squash, summer-babyfood	0.500000	1.000	1.000
09003530	09B	Squash, winter	0.500000	1.000	1.000
09003531	09B	Squash, winter-babyfood	0.500000	1.000	1.000

Pyraclostroin		Dietary Exposure and Risk Assessment		DP Number: 337818	
95003590	0	Strawberry	1.200000	1.000	1.000
95003590	0	Strawberry-babyfood	1.200000	1.000	1.000
95003600	0	Strawberry, juice	1.200000	1.000	1.000
95003600	0	Strawberry, juice-babyfood	1.200000	1.000	1.000
90003640	00	Sunflower, seed	0.500000	1.000	1.000
90003650	00	Sunflower, oil	0.300000	1.000	1.000
90003650	00	Sunflower, oil-babyfood	0.300000	1.000	1.000
01033640	000	Sweet potato	0.040000	1.000	1.000
01033650	000	Sweet potato-babyfood	0.040000	1.000	1.000
04023640	00	Swiss chard	29.000000	1.000	1.000
10003690	00	Tangerine	2.000000	1.000	1.000
10003700	00	Tangerine, juice	2.000000	2.300	1.000
01033710	000	Tanier, corn	0.040000	1.000	1.000
08003740	0	Tomatillo	1.400000	1.000	1.000
08003750	0	Tomato	0.158000	1.000	1.000
08003750	0	Tomato-babyfood	0.158000	1.000	1.000
03003760	0	Tomato, paste	0.158000	2.100	1.000
03003760	0	Tomato, paste-babyfood	0.158000	2.100	1.000
08003770	0	Tomato, puree	0.158000	0.550	1.000
08003770	0	Tomato, puree-babyfood	0.158000	0.550	1.000
08003780	0	Tomato, dried	0.158000	14.300	1.000
08003780	0	Tomato, dried-babyfood	0.158000	14.300	1.000
08003790	0	Tomato, juice	0.158000	1.500	1.000
15003840	00	Triticale, flour	0.200000	1.000	1.000
01033870	000	Turmeric	0.040000	1.000	1.000
05023880	00	Turnip, greens	16.000000	1.000	1.000
01013890	000	Turnip, roots	0.400000	1.000	1.000
14003940	00	Walnut	0.040000	1.000	1.000
86010000	0	Water, direct, all sources	0.000800	1.000	1.000
86020000	0	Water, indirect, all sources	0.000800	1.000	1.000
09013980	00	Watermelon	0.500000	1.000	1.000
09014000	00	Watermelon, juice	0.500000	1.000	1.000
15004000	00	Wheat, grain	0.200000	1.000	1.000
15004000	00	Wheat, grain-babyfood	0.200000	1.000	1.000
15004000	00	Wheat, flour	0.200000	0.700	1.000
15004000	00	Wheat, flour-babyfood	0.200000	0.700	1.000
15004000	00	Wheat, germ	0.200000	0.850	1.000
15004000	00	Wheat, bran	0.200000	1.000	1.000
01034000	000	Yam, true	0.040000	1.000	1.000
01034000	000	Yam bean	0.040000	1.000	1.000

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

## Attachment 9. Pyraclostrobin Chronic Dietary Analysis Results – Food &amp; Water

U.S. Environmental Protection Agency Ver. 2.00  
 DEEM-FCID Chronic analysis for PYRACLOSTROBIN (1994-98 data)  
 Residue file name: C:\Documents and Settings\lcheng\My Documents\DEEM FCID  
 ic\Pyraclostrobin\Tol+ave+water.R98

Adjustment factor #2 NOT used.

Analysis Date 03-20-2007/14:57:27 Residue file dated: 03-20-2007/14:56:08/8

Reference dose (RfD, Chronic) = .034 mg/kg bw/day

COMMENT 1: 03-20-07: Tol + ave res (apple, grape, leaf lettuce, head lettuce, orange, pepper, tomato) + water

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Total exposure by population subgroup

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Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of RfD
U.S. Population (total)	0.008686	25.5%
U.S. Population (spring season)	0.008816	25.9%
U.S. Population (summer season)	0.008412	24.7%
U.S. Population (autumn season)	0.008680	25.5%
U.S. Population (winter season)	0.008854	26.0%
Northwest region	0.009432	27.7%
Midwest region	0.008081	23.8%
Southern region	0.007890	23.2%
Western region	0.009928	29.2%
Hispanics	0.008179	24.1%
Non-hispanic whites	0.008378	24.6%
Non-hispanic blacks	0.009266	27.3%
Non-hisp/non-white/non-black	0.013307	39.1%
All infants (< 1 year)	0.013133	38.6%
Nursing infants	0.006427	18.9%
Non-nursing infants	0.015679	46.1%
Children 1-6 yrs	0.016097	47.3%
Children 7-12 yrs	0.009067	26.7%
Females 13-19 (not preg or nursing)	0.005411	15.9%
Females 20+ (not preg or nursing)	0.008342	24.5%
Females 13-50 yrs	0.007391	21.7%
Females 13+ (preg/not nursing)	0.005717	16.8%
Females 13+ (nursing)	0.008189	24.1%
Males 13-19 yrs	0.006350	18.7%
Males 20+ yrs	0.007573	22.3%
Seniors 65+	0.009145	26.9%

Pyraclostrobin

Dietary Exposure and Risk Assessment

DP Number: 337818

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Children 1-2 yrs	0.019630	57.7%
Children 3-5 yrs	0.015126	44.5%
Children 6-12 yrs	0.009506	28.0%
Youth 13-19 yrs	0.005893	17.3%
Adults 20-49 yrs	0.007304	21.5%
Adults 50+ yrs	0.009085	26.7%
Females 11-49 yrs	0.007196	21.2%



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# R144776

**Chemical:** Pyraclostrobin

**PC Code:**  
099100

**HED File Code:** 11000 Chemistry Reviews

**Memo Date:** 4/9/2007

**File ID:** DPD337818

**Accession #:** 000-00-0120

**HED Records Reference Center**  
4/23/2007