US EPA ARCHIVE DOCUMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

OPP OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

MEMORANDUM

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 Decision Number: 363131
DP Number: 337818

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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 the

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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 95th 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 95th 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 95th 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 95th 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

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 1×10^{-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).

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

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 Assesement 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

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 $B6C3F_1$ 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-á-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 n risk is expected from the exposure scenario(s) (e.g., no hazard was identified or no exposure i expected).
Acute Dietary (Females 13-49 years of age)	NOAEL= 5.0 mg/kg/day	UF_A= 10x UF_H= 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_A= 10x UF_H= 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.

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).
Chronic Dietary (All Populations)	NOAEL= 3.4 mg/kg/day	UF_A= 10x UF_H= 10x FQPA SF= 1x	Chronic RfD = 0.034 mg/kg/day cPAD = 0.034 mg/kg/day	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/ulceratio 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_A = extrapolation from animal to human (intraspecies). UF_H = potential variation in sensitivity among members of the human population (interspecies). UF_L = use of a LOAEL to extrapolate a NOAEL. UF_S = use of a short-term study for long-term risk assessment. UF_{DB} = to account for the absence of key date (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 95th 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 95th 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 95th 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 95th 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 95th, 99th, and 99.9th 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	95th Percentile	99th Percentile	99.9th Percentile

		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	**0.039**	**78**	**0.072**	**144**	**0.14**	**282**

*Most highly exposed subgroup is bolded.

Table 3. Results of Acute Dietary Exposure Analysis Using DEEM FCID - Food and Water

Population Subgroup	aPAD (mg/kg/day)	95th Percentile		99th Percentile		99.9th Percentile	
		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	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	**0.039**	**78**	**0.072**	**145**	**0.14**	**283**

* Most highly exposure subgroup is bolded.

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.

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.

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

Attachment 1. Data and Residue Estimates Used in Dietary Analyses

Table 6. Data and Residue Estimates Used in Dietary Analyses

RAC	Classification[1]	Data Source	No. of Samples	No. of Detectable Residues	LOD	%CT	Processing Factors	Anticipated Residue Estimates/Tolerance	
								Acute (Tol., HR, RDF)	Chronic (Tol., AR)[2]
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)

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Table 6. Data and Residue Estimates Used in Dietary Analyses

RAC	Classification[1]	Data Source	No. of Samples	No. of Detectable Residues	LOD	%CT	Processing Factors	Anticipated Residue Estimates/Tolerance	
								Acute (Tol., HR, RDF)	Chronic (Tol., AR)[2]
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)

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Table 6. Data and Residue Estimates Used in Dietary Analyses

RAC	Classification[1]	Data Source	No. of Samples	No. of Detectable Residues	LOD	%CT	Processing Factors	Anticipated Residue Estimates/Tolerance	
								Acute (Tol., HR, RDF)	Chronic (Tol., AR)[2]
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)

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

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Filename: C:\Documents and Settings\lcheng\My Documents\DEEM FCID
lc\Pyraclostrobin\Tol+HR.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: 03-21-2007/15:48:28/8          Program ver. 2.03
Comment: 03-21-07: Tol + HR; aPAD (female)=0.05 mkd
```

EPA Code	Crop Code	Commodity Name	Def Res (ppm)	Adj.Factors #1	#2	Comment
14000030	[illegible]	Almond	0.040000	1.000	1.000	
14000040	[illegible]	Almond, oil	0.040000	1.000	1.000	
04010050	[illegible]	Amaranth, leafy	23.380000	1.000	1.000	
11000070	[illegible]	Apple, fruit with peel	1.500000	1.000	1.000	
11000080	[illegible]	Apple, peeled fruit	1.500000	1.000	1.000	
11000090	[illegible]	Apple, peeled fruit-babyfood	1.500000	1.000	1.000	
11000100	[illegible]	Apple, dried	1.500000	8.000	1.000	
11000090	[illegible]	Apple, dried-babyfood	1.500000	8.000	1.000	
11000100	[illegible]	Apple, juice	1.500000	0.200	1.000	
11000110	[illegible]	Apple, juice-babyfood	1.500000	0.200	1.000	
11000120	[illegible]	Apple, sauce	1.500000	1.000	1.000	
11000130	[illegible]	Apple, sauce-babyfood	1.500000	1.000	1.000	
12000160	[illegible]	Apricot	0.900000	1.000	1.000	
12000200	[illegible]	Apricot-babyfood	0.900000	1.000	1.000	
12000230	[illegible]	Apricot, dried	0.900000	6.000	1.000	
12000240	[illegible]	Apricot, juice	0.900000	1.000	1.000	
12000250	[illegible]	Apricot, juice-babyfood	0.900000	1.000	1.000	
01030050	1CD	Arrowroot, flour	0.040000	1.000	1.000	
01030070	1CD	Artichoke, Jerusalem	0.040000	1.000	1.000	
04010030	6A	Arugula	23.380000	1.000	1.000	
09020210	9D	Balsam pear	0.500000	1.000	1.000	
35000230	[illegible]	Banana	0.040000	1.000	1.000	
35000220	[illegible]	Banana-babyfood	0.040000	1.000	1.000	
35000240	[illegible]	Banana, dried	0.040000	3.900	1.000	
35000250	[illegible]	Banana, dried-babyfood	0.040000	3.900	1.000	
15000050	15	Barley, pearled barley	0.400000	1.000	1.000	
15000080	15	Barley, pearled barley-babyfood	0.400000	1.000	1.000	
15000060	15	Barley, flour	0.400000	1.000	1.000	
15000080	15	Barley, flour-babyfood	0.400000	1.000	1.000	
15000070	15	Barley, bran	0.400000	1.000	1.000	
06030090	6C	Bean, black, seed	0.210000	1.000	1.000	
06020010	6B	Bean, broad, succulent	0.500000	1.000	1.000	
06030030	6C	Bean, broad, seed	0.210000	1.000	1.000	
06020020	6B	Bean, cowpea, succulent	0.500000	1.000	1.000	
06030020	6C	Bean, cowpea, seed	0.210000	1.000	1.000	
06030050	6C	Bean, great northern, seed	0.210000	1.000	1.000	
06030020	6C	Bean, kidney, seed	0.210000	1.000	1.000	
06020030	6B	Bean, lima, succulent	0.500000	1.000	1.000	
06030010	6C	Bean, lima, seed	0.210000	1.000	1.000	
06030090	6C	Bean, mung, seed	0.210000	1.000	1.000	
06030040	6C	Bean, navy, seed	0.210000	1.000	1.000	
06030[illegible]	6C	Bean, pink, seed	0.210000	1.000	1.000	
06030040	6C	Bean, pinto, seed	0.210000	1.000	1.000	
06020010	6A	Bean, snap, succulent	0.500000	1.000	1.000	
06020010	6A	Bean, snap, succulent-babyfood	0.500000	1.000	1.000	
21000010	M	Beef, meat	0.100000	1.000	1.000	
21000020	M	Beef, meat-babyfood	0.100000	1.000	1.000	
21000030	M	Beef, meat, dried	0.100000	1.920	1.000	
21000060	M	Beef, meat byproducts	0.200000	1.000	1.000	
21000070	M	Beef, meat byproducts-babyfood	0.200000	1.000	1.000	
21000040	M	Beef, fat	0.100000	1.000	1.000	
21000050	M	Beef,fat-babyfood	0.100000	1.000	1.000	
21000090	M	Beef, kidney	0.200000	1.000	1.000	
21000080	M	Beef, liver	1.500000	1.000	1.000	
21000100	M	Beef, liver-babyfood	1.500000	1.000	1.000	
01[illegible]	1AB	Beet, garden, roots	0.400000	1.000	1.000	
01[illegible]	1AB	Beet, garden, roots-babyfood	0.400000	1.000	1.000	

02000510 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
01010520 1A	Beet, sugar, molasses	0.200000	0.400	1.000
01010521 1A	Beet, sugar, molasses-babyfood	0.200000	0.400	1.000
95000540 9	Belgium endive	6.000000	1.000	1.000
13010560 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
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
05020710 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 9B	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
01010780 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 1CD	Cassava	0.040000	1.000	1.000
01030821 1CD	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
12000910 2	Cherry, juice	0.900000	1.500	1.000
12000911 2	Cherry, juice-babyfood	0.900000	1.500	1.000
14000920 14	Chestnut	0.040000	1.000	1.000
06030930 6C	Chickpea, seed	0.340000	1.000	1.000
06030931 6C	Chickpea, seed-babyfood	0.340000	1.000	1.000
06030930 6C	Chickpea, flour	0.340000	1.000	1.000
01010980 1AB	Chicory, roots	0.400000	1.000	1.000
02000990 2	Chicory, tops	16.000000	1.000	1.000
09010990 9B	Chinese waxgourd	0.500000	1.000	1.000
04020[illegible] 4A	Chrysanthemum, garland	23.380000	1.000	1.000
10000[illegible] 10	Citrus citron	2.000000	1.000	1.000
10000[illegible] 10	Citrus hybrids	2.000000	1.000	1.000
10000[illegible] 10	Citrus, oil	9.000000	1.000	1.000
05020[illegible] 5B	Collards	16.000000	1.000	1.000
15000[illegible] 15	Corn, field, flour	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, flour-babyfood	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, meal	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, meal-babyfood	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, bran	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, starch	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, starch-babyfood	0.100000	1.000	1.000
15000[illegible] 15	Corn, field, oil	0.300000	1.000	1.000
15000[illegible] 15	Corn, field, oil-babyfood	0.300000	1.000	1.000
15000[illegible] 15	Corn, pop	0.100000	1.000	1.000
15000[illegible] 15	Corn, sweet	0.040000	1.000	1.000
15000[illegible] 15	Corn, sweet-babyfood	0.040000	1.000	1.000
95[illegible] 9	Cottonseed, oil	0.300000	1.000	1.000
95[illegible] 9	Cottonseed, oil-babyfood	0.300000	1.000	1.000
[illegible] 12	Crabapple	1.500000	1.000	1.000

04011330	4A	Cress, garden	23.380000	1.000	1.000
04011340	4A	Cress, upland	23.380000	1.000	1.000
09021350	9B	Cucumber	0.500000	1.000	1.000
13021360	13B	Currant	4.000000	1.000	1.000
13021370	13F	Currant, dried	4.000000	1.000	1.000
04011380	4A	Dandelion, leaves	23.380000	1.000	1.000
01031390	[illegible]	Dasheen, corm	0.040000	1.000	1.000
02001400	[illegible]	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	4B	Fennel, Florence	23.380000	1.000	1.000
14001550	[illegible]	Filbert	0.040000	1.000	1.000
03001640	[illegible]	Garlic	0.900000	1.000	1.000
03001650	[illegible]	Garlic, dried	0.900000	1.000	1.000
03001655	[illegible]	Garlic, dried-babyfood	0.900000	1.000	1.000
01031660	[illegible]	Ginger	0.040000	1.000	1.000
01031670	[illegible]	Ginger, dried	0.040000	1.000	1.000
01071680	[illegible]	Ginseng, dried	0.400000	1.000	1.000
23001690	[illegible]	Goat, meat	0.100000	1.000	1.000
23001710	[illegible]	Goat, fat	0.100000	1.000	1.000
13021740	13A	Gooseberry	4.000000	1.000	1.000
95001750	[illegible]	Grape	2.000000	1.000	1.000
95001760	[illegible]	Grape, juice	2.000000	0.010	1.000
95001765	[illegible]	Grape, juice-babyfood	2.000000	0.010	1.000
95001770	[illegible]	Grape, leaves	2.000000	1.000	1.000
95001780	[illegible]	Grape, raisin	7.000000	1.000	1.000
95001790	[illegible]	Grape, wine and sherry	2.000000	1.000	1.000
10001800	[illegible]	Grapefruit	2.000000	1.000	1.000
10001810	[illegible]	Grapefruit, juice	2.000000	0.020	1.000
06031820	[illegible]	Guar, seed	0.340000	1.000	1.000
06031825	[illegible]	Guar, seed-babyfood	0.340000	1.000	1.000
99001830	[illegible]	Honeydew melon	0.500000	1.000	1.000
95001880	[illegible]	Hop	23.000000	1.000	1.000
01011900	1AB	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
05011960	5B	Kohlrabi	5.000000	1.000	1.000
10001970	[illegible]	Kumquat	2.000000	1.000	1.000
03001980	[illegible]	Leek	0.900000	1.000	1.000
10001990	[illegible]	Lemon	2.000000	1.000	1.000
10002000	[illegible]	Lemon, juice	2.000000	0.020	1.000
10002005	[illegible]	Lemon, juice-babyfood	2.000000	0.020	1.000
10002010	[illegible]	Lemon, peel	2.000000	1.000	1.000
06032040	[illegible]	Lentil, seed	0.340000	1.000	1.000
04012050	4A	Lettuce, head	14.400000	1.000	1.000
04012060	4A	Lettuce, leaf	20.100000	1.000	1.000
10002070	[illegible]	Lime	2.000000	1.000	1.000
10002080	[illegible]	Lime, juice	2.000000	0.020	1.000
10002085	[illegible]	Lime, juice-babyfood	2.000000	0.020	1.000
13012100	13A	Loganberry	4.000000	1.000	1.000
11001110	[illegible]	Loquat	1.500000	1.000	1.000
14001130	[illegible]	Macadamia nut	0.040000	1.000	1.000
95002150	[illegible]	Mango	0.100000	1.000	1.000
95002155	[illegible]	Mango-babyfood	0.100000	1.000	1.000
95002160	[illegible]	Mango, dried	0.100000	1.000	1.000
95002170	[illegible]	Mango, juice	0.100000	1.000	1.000
95002175	[illegible]	Mango, juice-babyfood	0.100000	1.000	1.000
27002220	[illegible]	Milk, fat	0.100000	1.000	1.000
27002225	[illegible]	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27002230	[illegible]	Milk, nonfat solids	0.100000	1.000	1.000
27002235	[illegible]	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27002240	[illegible]	Milk, water	0.100000	1.000	1.000
27002245	[illegible]	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27002250	[illegible]	Milk, sugar (lactose)-baby food/	0.100000	1.000	1.000
05021990	5B	Mustard greens	16.000000	1.000	1.000
12002070	12	Nectarine	0.900000	1.000	1.000
08002110	8	Okra	1.400000	1.000	1.000
03002150	3	Onion, dry bulb	0.900000	1.000	1.000
03002155	3	Onion, dry bulb-babyfood	0.900000	1.000	1.000

03002380	Onion, dry bulb, dried	0.900000	9.000	1.000
03002381	Onion, dry bulb, dried-babyfood	0.900000	9.000	1.000
03002390	Onion, green	0.900000	1.000	1.000
10002400	Orange	2.000000	1.000	1.000
10002410	Orange, juice	2.000000	0.020	1.000
10002411	Orange, juice-babyfood	2.000000	0.020	1.000
10002420	Orange, peel	2.000000	1.000	1.000
95002450	Papaya	0.100000	1.000	1.000
95002451	Papaya-babyfood	0.100000	1.000	1.000
95002460	Papaya, dried	0.100000	1.800	1.000
95002470	Papaya, juice	0.100000	1.500	1.000
04012480	Parsley, leaves	23.380000	1.000	1.000
01012500	Parsley, turnip rooted	0.400000	1.000	1.000
01012510	Parsnip	0.400000	1.000	1.000
01012511	Parsnip-babyfood	0.400000	1.000	1.000
06022550	Pea, succulent	0.200000	1.000	1.000
06022551	Pea, succulent-babyfood	0.200000	1.000	1.000
06032560	Pea, dry	0.100000	1.000	1.000
06032561	Pea, dry-babyfood	0.100000	1.000	1.000
06012570	Pea, edible podded, succulent	0.500000	1.000	1.000
06032580	Pea, pigeon, seed	0.100000	1.000	1.000
06022590	Pea, pigeon, succulent	0.200000	1.000	1.000
12002620	Peach	0.900000	1.000	1.000
12002621	Peach-babyfood	0.900000	1.000	1.000
12002610	Peach, dried	0.900000	7.000	1.000
12002623	Peach, juice	0.900000	1.000	1.000
12002622	Peach, juice-babyfood	0.900000	1.000	1.000
95002650	Peanut	0.050000	1.000	1.000
95002660	Peanut, butter	0.050000	1.890	1.000
95002670	Peanut, oil	0.100000	1.900	1.000
11002690	Pear	1.500000	1.000	1.000
11002691	Pear-babyfood	1.500000	1.000	1.000
11002610	Pear, dried	1.500000	6.250	1.000
11002630	Pear, juice	1.500000	1.000	1.000
11002631	Pear, juice-babyfood	1.500000	1.000	1.000
14002690	Pecan	0.040000	1.000	1.000
08002700	Pepper, bell	1.400000	1.000	1.000
08002710	Pepper, bell, dried	1.400000	1.000	1.000
08002711	Pepper, bell, dried-babyfood	1.400000	1.000	1.000
08002720	Pepper, nonbell	1.400000	1.000	1.000
08002721	Pepper, nonbell-babyfood	1.400000	1.000	1.000
08002730	Pepper, nonbell, dried	1.400000	1.000	1.000
95002750	Peppermint	8.000000	1.000	1.000
95002760	Peppermint, oil	8.000000	1.000	1.000
14002820	Pistachio	0.700000	1.000	1.000
95002850	Plantain	0.040000	1.000	1.000
95002860	Plantain, dried	0.040000	3.900	1.000
12002880	Plum	0.900000	1.000	1.000
12002881	Plum-babyfood	0.900000	1.000	1.000
12002860	Plum, prune, fresh	0.900000	1.000	1.000
12002861	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002870	Plum, prune, dried	0.900000	1.300	1.000
12002871	Plum, prune, juice	0.900000	1.400	1.000
12002872	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002900	Pork, meat	0.100000	1.000	1.000
25002901	Pork, meat-babyfood	0.100000	1.000	1.000
25002910	Pork, skin	0.100000	1.000	1.000
25002920	Pork, meat byproducts	0.200000	1.000	1.000
25002921	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002930	Pork, fat	0.100000	1.000	1.000
25002931	Pork, fat-babyfood	0.100000	1.000	1.000
25002940	Pork, kidney	0.200000	1.000	1.000
25002950	Pork, liver	1.500000	1.000	1.000
01012960	Potato, chips	0.040000	1.000	1.000
01012970	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01012971	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01012980	Potato, flour	0.040000	1.000	1.000
01012981	Potato, flour-babyfood	0.040000	1.000	1.000
01012990	Potato, tuber, w/peel	0.040000	1.000	1.000
01013000	Potato, tuber, w/o peel	0.040000	1.000	1.000
01013001	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000

10003070	13	Pummelo	2.000000	1.000	1.000
09023080	9S	Pumpkin	0.500000	1.000	1.000
09023090	9S	Pumpkin, seed	0.500000	1.000	1.000
11003100	[illegible]	Quince	1.500000	1.000	1.000
04013130	4A	Radicchio	23.380000	1.000	1.000
01013140	1AB	Radish, roots	0.400000	1.000	1.000
01013160	1AB	Radish, Oriental, roots	0.400000	1.000	1.000
05023180	5S	Rape greens	16.000000	1.000	1.000
13013200	13B	Raspberry	4.000000	1.000	1.000
13013201	13B	Raspberry-babyfood	4.000000	1.000	1.000
13013210	13B	Raspberry, juice	4.000000	1.000	1.000
13013211	13B	Raspberry, juice-babyfood	4.000000	1.000	1.000
04023220	4B	Rhubarb	23.380000	1.000	1.000
01013273	1AB	Rutabaga	0.400000	1.000	1.000
15003280	15	Rye, grain	0.040000	1.000	1.000
01013310	1AB	Salsify, roots	0.400000	1.000	1.000
03003380	[illegible]	Shallot	0.900000	1.000	1.000
26003390	M	Sheep, meat	0.100000	1.000	1.000
26003391	M	Sheep, meat-babyfood	0.100000	1.000	1.000
26003400	M	Sheep, meat byproducts	0.200000	1.000	1.000
26003410	M	Sheep, fat	0.100000	1.000	1.000
26003411	M	Sheep, fat-babyfood	0.100000	1.000	1.000
26003430	M	Sheep, kidney	0.200000	1.000	1.000
26003431	M	Sheep, liver	1.500000	1.000	1.000
06003470	[illegible]	Soybean, seed	0.040000	1.000	1.000
06003480	[illegible]	Soybean, flour	0.040000	1.000	1.000
06003481	[illegible]	Soybean, flour-babyfood	0.040000	1.000	1.000
06003490	[illegible]	Soybean, soy milk	0.040000	1.000	1.000
06003491	[illegible]	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003500	6	Soybean, oil	0.040000	0.800	1.000
06003501	6	Soybean, oil-babyfood	0.040000	0.800	1.000
95003530	9	Spearmint	8.000000	1.000	1.000
95003531	9	Spearmint, oil	8.000000	1.000	1.000
04013560	4A	Spinach	23.380000	1.000	1.000
04013561	4A	Spinach-babyfood	23.380000	1.000	1.000
09023580	9S	Squash, summer	0.500000	1.000	1.000
09023581	9S	Squash, summer-babyfood	0.500000	1.000	1.000
09023590	9B	Squash, winter	0.500000	1.000	1.000
09023591	9B	Squash, winter-babyfood	0.500000	1.000	1.000
95003590	[illegible]	Strawberry	1.200000	1.000	1.000
95003591	[illegible]	Strawberry-babyfood	1.200000	1.000	1.000
95003600	[illegible]	Strawberry, juice	1.200000	1.000	1.000
95003601	[illegible]	Strawberry, juice-babyfood	1.200000	1.000	1.000
20003660	20	Sunflower, seed	0.300000	1.000	1.000
20003661	20	Sunflower, oil	0.300000	1.000	1.000
20003660	20	Sunflower, oil-babyfood	0.300000	1.000	1.000
01013660	1CD	Sweet potato	0.040000	1.000	1.000
01013661	1CD	Sweet potato-babyfood	0.040000	1.000	1.000
04023670	4B	Swiss chard	23.380000	1.000	1.000
10003680	10	Tangerine	2.000000	1.000	1.000
10003681	10	Tangerine, juice	2.000000	0.020	1.000
01013710	1CD	Tanier, corm	0.040000	1.000	1.000
08003740	8	Tomatillo	1.400000	1.000	1.000
08003750	8	Tomato	1.400000	1.000	1.000
08003751	8	Tomato-babyfood	1.400000	1.000	1.000
08003760	8	Tomato, paste	1.400000	2.100	1.000
08003761	8	Tomato, paste-babyfood	1.400000	2.100	1.000
08003770	8	Tomato, puree	1.400000	0.550	1.000
08003771	8	Tomato, puree-babyfood	1.400000	0.550	1.000
08003780	8	Tomato, dried	1.400000	14.300	1.000
08003781	8	Tomato, dried-babyfood	1.400000	14.300	1.000
08003790	8	Tomato, juice	1.400000	1.500	1.000
15003810	15	Triticale, flour	0.200000	0.700	1.000
01013840	1CD	Turmeric	0.040000	1.000	1.000
05023880	5B	Turnip, greens	16.000000	1.000	1.000
01013880	1AB	Turnip, roots	0.400000	1.000	1.000
14003910	14	Walnut	0.040000	1.000	1.000
09023950	9A	Watermelon	0.500000	1.000	1.000
09023960	9A	Watermelon, juice	0.500000	1.000	1.000
15003980	15	Wheat, grain	0.200000	1.000	1.000
15003981	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
01034060 190	Yam, true	0.040000	1.000	1.000
01034070 190	Yam bean	0.040000	1.000	1.000

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

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U.S. Environmental Protection Agency                                    Ver. 2.02
DEEM-FCID 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
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: "03-21-07: 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:
  0.041343     1.38     7255    0.073808     2.46     4064    0.148061     4.94     2026
All infants:
  0.051248     1.71     5853    0.166389     5.55     1802    0.443568    14.79      676
Children 1-2 yrs:
  0.068996     2.30     4348    0.129043     4.30     2324    0.376938    12.56      795
Children 3-5 yrs:
  0.060833     2.03     4931    0.105028     3.50     2856    0.280244     9.34     1070
Children 6-12 yrs:
  0.044[illegible]     1.49     6718    0.070997     2.37     4225    0.156027     5.20     1922
Youth 13-19 yrs:
  0.0[illegible]3645     1.12     8916    0.063552     2.12     4720    0.093889     3.13     3195
Adults 20-49 yrs:
  0.0[illegible]     1.24     8074    0.069190     2.31     4335    0.119558     3.99     2509
Adults 50 yrs:
  0.0[illegible]948     1.32     7597    0.071451     2.38     4198    0.126583     4.22     2369
Females 13-49 yrs:
  0.[illegible]     78.12     7680    0.072186   144.37     4155    0.140935   281.87     2128
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Attachment 4. Pyraclostrobin Acute Dietary Analysis Input File – Food & Water

Filename: J:\Documents and Settings\lcheng\My Documents\DEEM FCID
lc\Pyraclostrobin\Tol+HR+water.R98
Chemical: Pyraclostrobin
RfD(Chronic): .034 mg/kg bw/day NOEL(Chronic): 3.4 mg/kg bw/day
RfD(Acute): [illegible] 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: 06-06-07: Tol + HR + water; aPAD (female)=0.05 mkd

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj.Factors #1	#2	Comment
14000030	14	Almond	0.040000	1.000	1.000	
14000040	14	Almond, oil	0.040000	1.000	1.000	
04010050	4A	Amaranth, leafy	23.380000	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	
11000100	11	Apple, juice	1.500000	0.200	1.000	
11000101	11	Apple, juice-babyfood	1.500000	0.200	1.000	
11000110	11	Apple, sauce	1.500000	1.000	1.000	
11000111	11	Apple, sauce-babyfood	1.500000	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	1CD	Arrowroot, flour	0.040000	1.000	1.000	
01030170	1CD	Artichoke, Jerusalem	0.040000	1.000	1.000	
04010180	4A	Arugula	23.380000	1.000	1.000	
09020210	9B	Balsam pear	0.500000	1.000	1.000	
95000240	9	Banana	0.040000	1.000	1.000	
95000241	9	Banana-babyfood	0.040000	1.000	1.000	
95000250	9	Banana, dried	0.040000	3.900	1.000	
95000251	9	Banana, dried-babyfood	0.040000	3.900	1.000	
15000290	15	Barley, pearled barley	0.400000	1.000	1.000	
15000291	15	Barley, pearled barley-babyfood	0.400000	1.000	1.000	
15000360	15	Barley, flour	0.400000	1.000	1.000	
15000361	15	Barley, flour-babyfood	0.400000	1.000	1.000	
15000370	15	Barley, bran	0.400000	1.000	1.000	
06030300	6C	Bean, black, seed	0.210000	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.500000	1.000	1.000	
06030320	6C	Bean, broad, seed	0.210000	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.500000	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.210000	1.000	1.000	
06030350	6C	Bean, great northern seed	0.210000	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.210000	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.500000	1.000	1.000	
06030380	6C	Bean, lima, seed	0.210000	1.000	1.000	
06030390	6C	Bean, mung, seed	0.210000	1.000	1.000	
06030400	6C	Bean, navy, seed	0.210000	1.000	1.000	
06030410	6C	Bean, pink, seed	0.210000	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.210000	1.000	1.000	
06010430	6A	Bean, snap, succulent	0.500000	1.000	1.000	
06010431	6A	Bean, snap, succulent-babyfood	0.500000	1.000	1.000	
21000440	M	Beef, meat	0.100000	1.000	1.000	
21000441	M	Beef, meat-babyfood	0.100000	1.000	1.000	
21000450	M	Beef, meat, dried	0.100000	1.920	1.000	
21000460	M	Beef, meat byproducts	0.200000	1.000	1.000	
21000461	M	Beef, meat byproducts-babyfood	0.200000	1.000	1.000	
21000470	M	Beef, fat	0.100000	1.000	1.000	
21000471	M	Beef, fat-babyfood	0.100000	1.000	1.000	
21000480	M	Beef, kidney	0.200000	1.000	1.000	
21000490	M	Beef, liver	1.500000	1.000	1.000	
21000491	M	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	2	Beet, garden, tops	16.300000	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 [illegible]	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 13A	Blueberry	4.000000	1.000	1.000
13020571 13A	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 5A	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 5A	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 4A	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 4A	Celery	10.700000	1.000	1.000
04020851 4A	Celery-babyfood	10.700000	1.000	1.000
04020860 4A	Celery, juice	10.700000	1.000	1.000
04020870 4A	Celtuce	10.700000	1.000	1.000
09020880 9B	Chayote, fruit	0.500000	1.000	1.000
12000890 12	Cherry	0.900000	1.000	1.000
12000891 12	Cherry-babyfood	0.900000	1.000	1.000
12000892 12	Cherry, juice	0.900000	1.500	1.000
12000893 12	Cherry, juice-babyfood	0.900000	1.500	1.000
14000900 14	Chestnut	0.040000	1.000	1.000
06030910 6C	Chickpea, seed	0.340000	1.000	1.000
06030911 6C	Chickpea, seed-babyfood	0.340000	1.000	1.000
06030920 6C	Chickpea, flour	0.340000	1.000	1.000
01010930 1AB	Chicory, roots	0.400000	1.000	1.000
02001930 [illegible]	Chicory, tops	16.000000	1.000	1.000
09020940 9B	Chinese waxgourd	0.500000	1.000	1.000
04020950 4A	Chrysanthemum, garland	23.380000	1.000	1.000
10000960 10	Citrus citron	2.000000	1.000	1.000
10000970 10	Citrus hybrids	2.000000	1.000	1.000
10000980 10	Citrus, oil	9.000000	1.000	1.000
05000990 5B	Collards	16.000000	1.000	1.000
15000990 15	Corn, field, flour	0.100000	1.000	1.000
15000991 15	Corn, field, flour-babyfood	0.100000	1.000	1.000
15000992 15	Corn, field, meal	0.100000	1.000	1.000
15000993 15	Corn, field, meal-babyfood	0.100000	1.000	1.000
15000994 15	Corn, field, bran	0.100000	1.000	1.000
15000995 15	Corn, field, starch	0.100000	1.000	1.000
15000996 15	Corn, field, starch-babyfood	0.100000	1.000	1.000
15000997 15	Corn, field, oil	0.300000	1.000	1.000
15000998 15	Corn, field, oil-babyfood	0.300000	1.000	1.000
15000999 15	Corn, pop	0.100000	1.000	1.000
15000999 15	Corn, sweet	0.040000	1.000	1.000
15000999 15	Corn, sweet-babyfood	0.040000	1.000	1.000
95000999 0	Cottonseed, oil	0.300000	1.000	1.000
95000999 0	Cottonseed, oil-babyfood	0.300000	1.000	1.000
11000999 11	Crabapple	1.500000	1.000	1.000
04000999 4A	Cress, garden	23.380000	1.000	1.000
04000999 4A	Cress, upland	23.380000	1.000	1.000
09000999 9B	Cucumber	0.500000	1.000	1.000

13021360 13A	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
01031390 1C	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 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
03001655 3	Garlic, dried-babyfood	0.900000	1.000	1.000
01031660 1C	Ginger	0.040000	1.000	1.000
01031670 1C	Ginger, dried	0.040000	1.000	1.000
01011680 1A	Ginseng, dried	0.400000	1.000	1.000
23001690 M	Goat, meat	0.100000	1.000	1.000
23001710 M	Goat, fat	0.100000	1.000	1.000
13021740 13B	Gooseberry	4.000000	1.000	1.000
95001750 9	Grape	2.000000	1.000	1.000
95001760 9	Grape, juice	2.000000	0.010	1.000
95001765 9	Grape, juice-babyfood	2.000000	0.010	1.000
95001770 9	Grape, leaves	2.000000	1.000	1.000
95001780 9	Grape, raisin	7.000000	1.000	1.000
95001790 9	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 6C	Guar, seed	0.340000	1.000	1.000
06031875 6C	Guar, seed-babyfood	0.340000	1.000	1.000
09011890 9B	Honeydew melon	0.500000	1.000	1.000
95001900 9	Hop	23.000000	1.000	1.000
01011910 1AB	Horseradish	0.400000	1.000	1.000
13021930 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
10002005 10	Lemon, juice-babyfood	2.000000	0.020	1.000
10002010 10	Lemon, peel	2.000000	1.000	1.000
06032030 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
10002065 10	Lime, juice	2.000000	0.020	1.000
10002070 10	Lime, juice-babyfood	2.000000	0.020	1.000
13011080 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
95002155 9	Mango-babyfood	0.100000	1.000	1.000
95002160 9	Mango, dried	0.100000	1.000	1.000
95002165 9	Mango, juice	0.100000	1.000	1.000
95002170 9	Mango, juice-babyfood	0.100000	1.000	1.000
27002180 D	Milk, fat	0.100000	1.000	1.000
27002185 D	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27002190 D	Milk, nonfat solids	0.100000	1.000	1.000
27002195 D	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27002200 D	Milk, water	0.100000	1.000	1.000
27002205 D	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27002210 D	Milk, sugar (lactose)-baby food/	0.100000	1.000	1.000
05002230 5B	Mustard greens	16.000000	1.000	1.000
12002240 12	Nectarine	0.900000	1.000	1.000
08002250 8	Okra	1.400000	1.000	1.000
03002260 3	Onion, dry bulb	0.900000	1.000	1.000
03002265 3	Onion, dry bulb-babyfood	0.900000	1.000	1.000
03002270 3	Onion, dry bulb, dried	0.900000	9.000	1.000
03002275 3	Onion, dry bulb, dried-babyfood	0.900000	9.000	1.000
03002280 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	[illegible]	Papaya	0.100000	1.000	1.000
95002451	[illegible]	Papaya-babyfood	0.100000	1.000	1.000
95002460	[illegible]	Papaya, dried	0.100000	1.800	1.000
95002470	[illegible]	Papaya, juice	0.100000	1.500	1.000
04012480	1A	Parsley, leaves	23.380000	1.000	1.000
01012500	1A	Parsley, turnip rooted	0.400000	1.000	1.000
01012510	1A	Parsnip	0.400000	1.000	1.000
01012511	1AF	Parsnip-babyfood	0.400000	1.000	1.000
06022550	1B	Pea, succulent	0.200000	1.000	1.000
06022551	1B	Pea, succulent-babyfood	0.200000	1.000	1.000
06032560	6C	Pea, dry	0.100000	1.000	1.000
06032561	6C	Pea, dry-babyfood	0.100000	1.000	1.000
06012570	1A	Pea, edible podded, succulent	0.500000	1.000	1.000
06032580	6C	Pea, pigeon, seed	0.100000	1.000	1.000
06022590	6C	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
12002621	12	Peach, juice-babyfood	0.900000	1.000	1.000
95002630	[illegible]	Peanut	0.050000	1.000	1.000
95002640	[illegible]	Peanut, butter	0.050000	1.890	1.000
95002650	[illegible]	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	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	[illegible]	Peppermint	8.000000	1.000	1.000
95002760	[illegible]	Peppermint, oil	8.000000	1.000	1.000
14002800	14	Pistachio	0.700000	1.000	1.000
95002810	[illegible]	Plantain	0.040000	1.000	1.000
95002811	[illegible]	Plantain, dried	0.040000	3.900	1.000
12002820	12	Plum	0.900000	1.000	1.000
12002821	12	Plum-babyfood	0.900000	1.000	1.000
12002830	12	Plum, prune, fresh	0.900000	1.000	1.000
12002831	12	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002840	12	Plum, prune, dried	0.900000	1.300	1.000
12002841	12	Plum, prune, juice	0.900000	1.400	1.000
12002842	12	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002850	M	Pork, meat	0.100000	1.000	1.000
25002851	M	Pork, meat-babyfood	0.100000	1.000	1.000
25002860	M	Pork, skin	0.100000	1.000	1.000
25002870	M	Pork, meat byproducts	0.200000	1.000	1.000
25002871	M	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002880	M	Pork, fat	0.100000	1.000	1.000
25002881	M	Pork, fat-babyfood	0.100000	1.000	1.000
25002890	M	Pork, kidney	0.200000	1.000	1.000
25002891	M	Pork, liver	1.500000	1.000	1.000
01002900	1C	Potato, chips	0.040000	1.000	1.000
01002910	1C	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01002911	1C	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01002920	1C	Potato, flour	0.040000	1.000	1.000
01002921	1C	Potato, flour-babyfood	0.040000	1.000	1.000
01002930	1C	Potato, tuber, w/peel	0.040000	1.000	1.000
01002931	1C	Potato, tuber, w/o peel	0.040000	1.000	1.000
01002941	1C	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000
10002950	10	Pummelo	2.000000	1.000	1.000
09002960	9B	Pumpkin	0.500000	1.000	1.000
09002970	9B	Pumpkin, seed	0.500000	1.000	1.000

11003100 1.	Quince	1.500000	1.000	1.000
04013130 4A	Radicchio	23.380000	1.000	1.000
01013140 1A	Radish, roots	0.400000	1.000	1.000
01013160 1AB	Radish, Oriental, roots	0.400000	1.000	1.000
05023180 5B	Rape greens	16.000000	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
04023210 4B	Rhubarb	23.380000	1.000	1.000
01013250 1AB	Rutabaga	0.400000	1.000	1.000
15003280 15	Rye, grain	0.040000	1.000	1.000
01013310 1AB	Salsify, roots	0.400000	1.000	1.000
03003380 3	Shallot	0.900000	1.000	1.000
26003390 26	Sheep, meat	0.100000	1.000	1.000
26003391 26	Sheep, meat-babyfood	0.100000	1.000	1.000
26003400 26	Sheep, meat byproducts	0.200000	1.000	1.000
26003410 26	Sheep, fat	0.100000	1.000	1.000
26003411 26	Sheep, fat-babyfood	0.100000	1.000	1.000
26003420 26	Sheep, kidney	0.200000	1.000	1.000
26003430 26	Sheep, liver	1.500000	1.000	1.000
06003470 6	Soybean, seed	0.040000	1.000	1.000
06003480 6	Soybean, flour	0.040000	1.000	1.000
06003481 6	Soybean, flour-babyfood	0.040000	1.000	1.000
06003490 6	Soybean, soy milk	0.040000	1.000	1.000
06003491 6	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003500 6	Soybean, oil	0.040000	0.800	1.000
06003501 6	Soybean, oil-babyfood	0.040000	0.800	1.000
95003520 [illegible]	Spearmint	8.000000	1.000	1.000
95003530 [illegible]	Spearmint, oil	8.000000	1.000	1.000
04013550 4A	Spinach	23.380000	1.000	1.000
04013551 4A	Spinach-babyfood	23.380000	1.000	1.000
09023560 9B	Squash, summer	0.500000	1.000	1.000
09023561 9B	Squash, summer-babyfood	0.500000	1.000	1.000
09023570 9B	Squash, winter	0.500000	1.000	1.000
09023571 9B	Squash, winter-babyfood	0.500000	1.000	1.000
95003590 [illegible]	Strawberry	1.200000	1.000	1.000
95003591 [illegible]	Strawberry-babyfood	1.200000	1.000	1.000
95003600 [illegible]	Strawberry, juice	1.200000	1.000	1.000
95003601 [illegible]	Strawberry, juice-babyfood	1.200000	1.000	1.000
20003640 20	Sunflower, seed	0.300000	1.000	1.000
20003650 20	Sunflower, oil	0.300000	1.000	1.000
20003651 20	Sunflower, oil-babyfood	0.300000	1.000	1.000
01033660 1CD	Sweet potato	0.040000	1.000	1.000
01033661 1CD	Sweet potato-babyfood	0.040000	1.000	1.000
04023670 4B	Swiss chard	23.380000	1.000	1.000
10003680 10	Tangerine	2.000000	1.000	1.000
10003681 10	Tangerine, juice	2.000000	0.020	1.000
01033690 1CD	Tanier, corm	0.040000	1.000	1.000
08003700 8	Tomatillo	1.400000	1.000	1.000
08003710 8	Tomato	1.400000	1.000	1.000
08003711 8	Tomato-babyfood	1.400000	1.000	1.000
08003720 8	Tomato, paste	1.400000	2.100	1.000
08003721 8	Tomato, paste-babyfood	1.400000	2.100	1.000
08003730 8	Tomato, puree	1.400000	0.550	1.000
08003731 8	Tomato, puree-babyfood	1.400000	0.550	1.000
08003740 8	Tomato, dried	1.400000	14.300	1.000
08003741 8	Tomato, dried-babyfood	1.400000	14.300	1.000
08003750 8	Tomato, juice	1.400000	1.500	1.000
15003760 15	Triticale, flour	0.200000	0.700	1.000
01033770 1CD	Turmeric	0.040000	1.000	1.000
05003780 5B	Turnip, greens	16.000000	1.000	1.000
01003790 1AB	Turnip, roots	0.400000	1.000	1.000
14003800 14	Walnut	0.040000	1.000	1.000
86000000 0	Water, direct, all sources	0.010000	1.000	1.000
86000000 0	Water, indirect, all sources	0.010000	1.000	1.000
09003890 9A	Watermelon	0.500000	1.000	1.000
09003891 9A	Watermelon, juice	0.500000	1.000	1.000
15003900 15	Wheat, grain	0.200000	1.000	1.000
15003901 15	Wheat, grain-babyfood	0.200000	1.000	1.000
15003910 15	Wheat, flour	0.200000	0.700	1.000

15004021 [illegible]	Wheat, flour-babyfood	0.200000	0.700	1.000
15004030 [illegible]	Wheat, germ	0.200000	0.850	1.000
15004040 [illegible]	Wheat, bran	0.200000	1.000	1.000
01034060 [illegible]	Yam, true	0.040000	1.000	1.000
01034070 [illegible]	Yam bean	0.040000	1.000	1.000

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

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U.S. Environmental Protection Agency                                    Ver. 2.02
DEEM-FCID 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"
[illegible]

Summary calculations (per capita):

      95th Percentile              99th Percentile              99.9th Percentile
 Exposure  % aPAD     MOE     Exposure  % aPAD     MOE     Exposure  % aPAD     MOE
 -------- -------- -------- ---------- -------- -------- ---------- -------- --------
U.S. Population:
  0.[illegible]72    1.38     7233    0.074042    2.47     4051    0.148498    4.95     2020
```

All infants:								
0.051570	1.72	5821	0.171886	5.73	1745	0.443856	14.80	675
Children 1-2 yrs:								
0.069809	2.33	4297	0.130622	4.35	2296	0.398588	13.29	752
Children 3-5 yrs:								
0.061227	2.04	4899	0.105834	3.53	2834	0.282223	9.41	1062
Children 6-12 yrs:								
0.044518	1.48	6738	0.070785	2.36	4238	0.138492	4.62	2166
Youth 13-19 yrs:								
0.034601	1.15	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

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Filename: C:\Documents and Settings\lcheng\My Documents\DEEM FCID
lc\Pyraclostrobin\Tol+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: 05-21-07: Tol + ave res (apple, grape, leaf lettuce, head lettuce, orange,
pepper, tomato)
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EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj.Factors #1	#2	Comment
140100.0	14	Almond	0.040000	1.000	1.000	
140200.0	14	Almond, oil	0.040000	1.000	1.000	
040300.0	4A	Amaranth, leafy	29.000000	1.000	1.000	
110000.0	11	Apple, fruit with peel	0.310000	1.000	1.000	
110003.0	11	Apple, peeled fruit	0.310000	1.000	1.000	
110003.1	11	Apple, peeled fruit-babyfood	0.310000	1.000	1.000	
110009.0	11	Apple, dried	0.310000	8.000	1.000	
110009.1	11	Apple, dried-babyfood	0.310000	8.000	1.000	

11000100	[illegible]	Apple, juice	0.310000	0.200	1.000
11000101	[illegible]	Apple, juice-babyfood	0.310000	0.200	1.000
11000110	[illegible]	Apple, sauce	0.310000	1.000	1.000
11000111	[illegible]	Apple, sauce-babyfood	0.310000	1.000	1.000
12000120	[illegible]	Apricot	0.900000	1.000	1.000
12000121	[illegible]	Apricot-babyfood	0.900000	1.000	1.000
12000130	[illegible]	Apricot, dried	0.900000	6.000	1.000
12000140	[illegible]	Apricot, juice	0.900000	1.000	1.000
12000141	[illegible]	Apricot, juice-babyfood	0.900000	1.000	1.000
01030150	[illegible]	Arrowroot, flour	0.040000	1.000	1.000
01030170	[illegible]	Artichoke, Jerusalem	0.040000	1.000	1.000
04010180	4A	Arugula	29.000000	1.000	1.000
09020210	9E	Balsam pear	0.500000	1.000	1.000
95000230	[illegible]	Banana	0.040000	1.000	1.000
95000231	[illegible]	Banana-babyfood	0.040000	1.000	1.000
95000240	[illegible]	Banana, dried	0.040000	3.900	1.000
95000241	[illegible]	Banana, dried-babyfood	0.040000	3.900	1.000
15000250	[illegible]	Barley, pearled barley	0.400000	1.000	1.000
15000251	[illegible]	Barley, pearled barley-babyfood	0.400000	1.000	1.000
15000260	[illegible]	Barley, flour	0.400000	1.000	1.000
15000261	[illegible]	Barley, flour-babyfood	0.400000	1.000	1.000
15000270	[illegible]	Barley, bran	0.400000	1.000	1.000
06030300	6C	Bean, black, seed	0.500000	1.000	1.000
06020310	6B	Bean, broad, succulent	0.500000	1.000	1.000
06030320	6[illegible]	Bean, broad, seed	0.500000	1.000	1.000
06020330	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
06020370	6A	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	6A	Bean, snap, succulent	0.500000	1.000	1.000
06010431	6A	Bean, snap, succulent-babyfood	0.500000	1.000	1.000
21000440	M	Beef, meat	0.100000	1.000	1.000
21000441	M	Beef, meat-babyfood	0.100000	1.000	1.000
21000450	M	Beef, meat, dried	0.100000	1.920	1.000
21000460	M	Beef, meat byproducts	0.200000	1.000	1.000
21000461	M	Beef, meat byproducts-babyfood	0.200000	1.000	1.000
21000470	M	Beef, fat	0.100000	1.000	1.000
21000471	M	Beef, fat-babyfood	0.100000	1.000	1.000
21000480	M	Beef, kidney	0.200000	1.000	1.000
21000490	M	Beef, liver	1.500000	1.000	1.000
21000491	M	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	2	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	D	Belgium endive	6.000000	1.000	1.000
13000550	13A	Blackberry	4.000000	1.000	1.000
13000560	13A	Blackberry, juice	4.000000	1.000	1.000
13000561	13A	Blackberry, juice-babyfood	4.000000	1.000	1.000
13000570	13B	Blueberry	4.000000	1.000	1.000
13000571	13B	Blueberry-babyfood	4.000000	1.000	1.000
13000580	13A	Boysenberry	4.000000	1.000	1.000
14000590	14	Brazil nut	0.040000	1.000	1.000
05000600	5A	Broccoli	5.000000	1.000	1.000
05000601	5A	Broccoli-babyfood	5.000000	1.000	1.000
05000620	5A	Broccoli, Chinese	5.000000	1.000	1.000
05000621	5B	Broccoli rabe	16.000000	1.000	1.000
05000640	5A	Brussels sprouts	5.000000	1.000	1.000
01000650	1AB	Burdock	0.400000	1.000	1.000
14000660	14	Butternut	0.040000	1.000	1.000
05000670	5A	Cabbage	5.000000	1.000	1.000
05000671	5B	Cabbage, Chinese, bok choy	16.000000	1.000	1.000

0501070[illegible]	[illegible]A	Cabbage, Chinese, napa	5.000000	1.000	1.000
0501070[illegible]	[illegible]A	Cabbage, Chinese, mustard	5.000000	1.000	1.000
0901070[illegible]	[illegible]A	Cantaloupe	0.500000	1.000	1.000
0402070[illegible]	[illegible]B	Cardoon	29.000000	1.000	1.000
0101078[illegible]	[illegible]AB	Carrot	0.400000	1.000	1.000
0101078[illegible]	[illegible]AB	Carrot-babyfood	0.400000	1.000	1.000
0101078[illegible]	[illegible]AB	Carrot, juice	0.400000	1.000	1.000
0901080[illegible]	[illegible]A	Casaba	0.500000	1.000	1.000
1400081[illegible]	[illegible]4	Cashew	0.040000	1.000	1.000
0103082[illegible]	[illegible]CD	Cassava	0.040000	1.000	1.000
0103082[illegible]	[illegible]CD	Cassava-babyfood	0.040000	1.000	1.000
0501083[illegible]	[illegible]A	Cauliflower	5.000000	1.000	1.000
0101084[illegible]	[illegible]AB	Celeriac	0.400000	1.000	1.000
0402085[illegible]	[illegible]B	Celery	29.000000	1.000	1.000
0402085[illegible]	[illegible]B	Celery-babyfood	29.000000	1.000	1.000
0402085[illegible]	[illegible]B	Celery, juice	29.000000	1.000	1.000
0402087[illegible]	[illegible]B	Celtuce	29.000000	1.000	1.000
0902088[illegible]	[illegible]B	Chayote, fruit	0.500000	1.000	1.000
1200090[illegible]	[illegible]B	Cherry	0.900000	1.000	1.000
1200090[illegible]	[illegible]B	Cherry-babyfood	0.900000	1.000	1.000
1200090[illegible]	[illegible]B	Cherry, juice	0.900000	1.500	1.000
1200090[illegible]	[illegible]B	Cherry, juice-babyfood	0.900000	1.500	1.000
1400091[illegible]	[illegible]4	Chestnut	0.040000	1.000	1.000
0603091[illegible]	[illegible]6	Chickpea, seed	0.340000	1.000	1.000
0603091[illegible]	[illegible]6	Chickpea, seed-babyfood	0.340000	1.000	1.000
0603091[illegible]	[illegible]6	Chickpea, flour	0.340000	1.000	1.000
0101092[illegible]	[illegible]AB	Chicory, roots	0.400000	1.000	1.000
0200109[illegible]	[illegible]B	Chicory, tops	16.000000	1.000	1.000
0902109[illegible]	[illegible]B	Chinese waxgourd	0.500000	1.000	1.000
0401109[illegible]	[illegible]A	Chrysanthemum, garland	29.000000	1.000	1.000
1000110[illegible]	[illegible]B	Citrus citron	2.000000	1.000	1.000
1000110[illegible]	[illegible]B	Citrus hybrids	2.000000	1.000	1.000
1000110[illegible]	[illegible]B	Citrus, oil	9.000000	1.000	1.000
0502112[illegible]	[illegible]B	Collards	16.000000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, flour	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, flour-babyfood	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, meal	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, meal-babyfood	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, bran	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, starch	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, starch-babyfood	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, oil	0.300000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, field, oil-babyfood	0.300000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, pop	0.100000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, sweet	0.040000	1.000	1.000
1500120[illegible]	[illegible]5	Corn, sweet-babyfood	0.040000	1.000	1.000
9500[illegible]	[illegible]	Cottonseed, oil	0.300000	0.300	1.000
9500[illegible]	[illegible]	Cottonseed, oil-babyfood	0.300000	0.300	1.000
1100130[illegible]	[illegible]1	Crabapple	1.500000	1.000	1.000
0401[illegible]	[illegible]A	Cress, garden	29.000000	1.000	1.000
0401[illegible]	[illegible]A	Cress, upland	29.000000	1.000	1.000
0902[illegible]	[illegible]B	Cucumber	0.500000	1.000	1.000
1302[illegible]	[illegible]3B	Currant	4.000000	1.000	1.000
1302[illegible]	[illegible]3B	Currant, dried	4.000000	1.000	1.000
0401[illegible]	[illegible]A	Dandelion, leaves	29.000000	1.000	1.000
0103[illegible]	[illegible]CD	Dasheen, corm	0.040000	1.000	1.000
0200[illegible]	[illegible]	Dasheen, leaves	16.000000	1.000	1.000
1301[illegible]	[illegible]3A	Dewberry	4.000000	1.000	1.000
0800[illegible]	[illegible]	Eggplant	1.400000	1.000	1.000
1302[illegible]	[illegible]3B	Elderberry	4.000000	1.000	1.000
0401[illegible]	[illegible]A	Endive	29.000000	1.000	1.000
0402[illegible]	[illegible]B	Fennel, Florence	29.000000	1.000	1.000
1400[illegible]	[illegible]4	Filbert	0.040000	1.000	1.000
0300[illegible]	[illegible]	Garlic	0.900000	1.000	1.000
0300[illegible]	[illegible]	Garlic, dried	0.900000	1.000	1.000
0300[illegible]	[illegible]	Garlic, dried-babyfood	0.900000	1.000	1.000
0103[illegible]	[illegible]CD	Ginger	0.040000	1.000	1.000
0103[illegible]	[illegible]CD	Ginger, dried	0.040000	1.000	1.000
0103[illegible]	[illegible]AB	Ginseng, dried	0.400000	1.000	1.000
2300[illegible]	[illegible]4	Goat, meat	0.100000	1.000	1.000
2300[illegible]	[illegible]4	Goat, fat	0.100000	1.000	1.000

13021760	Gooseberry	4.000000	1.000	1.000
95001750	Grape	0.768000	1.000	1.000
95001750	Grape, juice	0.768000	0.010	1.000
95001751	Grape, juice-babyfood	0.768000	0.010	1.000
95001770	Grape, leaves	0.768000	1.000	1.000
95001780	Grape, raisin	7.000000	1.000	1.000
95001790	Grape, wine and sherry	2.000000	1.000	1.000
10001800	Grapefruit	2.000000	1.000	1.000
10001810	Grapefruit, juice	2.000000	1.000	1.000
06031840	Guar, seed	0.500000	1.000	1.000
06031841	Guar, seed-babyfood	0.500000	1.000	1.000
09011870	Honeydew melon	0.500000	1.000	1.000
95001880	Hop	23.000000	1.000	1.000
01011900	Horseradish	0.400000	1.000	1.000
13021910	Huckleberry	4.000000	1.000	1.000
05021940	Kale	16.000000	1.000	1.000
05021960	Kohlrabi	5.000000	1.000	1.000
10001970	Kumquat	2.000000	1.000	1.000
03001980	Leek	0.900000	1.000	1.000
10001990	Lemon	2.000000	1.000	1.000
10002000	Lemon, juice	2.000000	0.020	1.000
10002001	Lemon, juice-babyfood	2.000000	0.020	1.000
10002010	Lemon, peel	2.000000	1.000	1.000
06032010	Lentil, seed	0.500000	1.000	1.000
04012010	Lettuce, head	0.590000	1.000	1.000
04012020	Lettuce, leaf	7.680000	1.000	1.000
10002060	Lime	2.000000	1.000	1.000
10002070	Lime, juice	2.000000	0.020	1.000
10002071	Lime, juice-babyfood	2.000000	0.020	1.000
13012330	Loganberry	4.000000	1.000	1.000
11002200	Loquat	1.500000	1.000	1.000
14003110	Macadamia nut	0.040000	1.000	1.000
95003130	Mango	0.100000	1.000	1.000
95003131	Mango-babyfood	0.100000	1.000	1.000
95003180	Mango, dried	0.100000	1.000	1.000
95003190	Mango, juice	0.100000	1.000	1.000
95003191	Mango, juice-babyfood	0.100000	1.000	1.000
27002220	Milk, fat	0.100000	1.000	1.000
27002221	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27012370	Milk, nonfat solids	0.100000	1.000	1.000
27012371	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27023400	Milk, water	0.100000	1.000	1.000
27023401	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27032750	Milk, sugar (lactose) baby food/	0.100000	1.000	1.000
95023890	Mustard greens	16.000000	1.000	1.000
12003810	Nectarine	0.900000	1.000	1.000
08002470	Okra	1.400000	1.000	1.000
03002490	Onion, dry bulb	0.900000	1.000	1.000
03002491	Onion, dry bulb-babyfood	0.900000	1.000	1.000
03002500	Onion, dry bulb, dried	0.900000	9.000	1.000
03002501	Onion, dry bulb, dried babyfood	0.900000	9.000	1.000
03002510	Onion, green	0.900000	1.000	1.000
10002520	Orange	0.300000	1.000	1.000
10002530	Orange, juice	0.300000	0.020	1.000
10002531	Orange, juice-babyfood	0.300000	0.020	1.000
10002540	Orange, peel	0.300000	1.000	1.000
95002640	Papaya	0.100000	1.000	1.000
95002641	Papaya-babyfood	0.100000	1.000	1.000
95002660	Papaya, dried	0.100000	1.800	1.000
95002670	Papaya, juice	0.100000	1.500	1.000
04012690	Parsley, leaves	29.000000	1.000	1.000
01012700	Parsley, turnip rooted	0.400000	1.000	1.000
01012710	Parsnip	0.400000	1.000	1.000
01012711	Parsnip-babyfood	0.400000	1.000	1.000
06032740	Pea, succulent	0.200000	1.000	1.000
06032741	Pea, succulent-babyfood	0.200000	1.000	1.000
06032760	Pea, dry	0.500000	1.000	1.000
06032761	Pea, dry-babyfood	0.500000	1.000	1.000
06032780	Pea, edible podded, succulent	0.500000	1.000	1.000
06032790	Pea, pigeon, seed	0.500000	1.000	1.000
06032791	Pea, pigeon, succulent	0.200000	1.000	1.000

12002600	Peach	0.900000	1.000	1.000
12002601	Peach-babyfood	0.900000	1.000	1.000
12002610	Peach, dried	0.900000	7.000	1.000
12002620	Peach, juice	0.900000	1.000	1.000
12002621	Peach, juice-babyfood	0.900000	1.000	1.000
95002630	Peanut	0.050000	1.000	1.000
95002640	Peanut, butter	0.050000	1.890	1.000
95002650	Peanut, oil	0.100000	1.900	1.000
11002660	Pear	1.500000	1.000	1.000
11002661	Pear-babyfood	1.500000	1.000	1.000
11002670	Pear, dried	1.500000	6.250	1.000
11002680	Pear, juice	1.500000	1.000	1.000
11002681	Pear, juice-babyfood	1.500000	1.000	1.000
14002690	Pecan	0.040000	1.000	1.000
08002730	Pepper, bell	0.232000	1.000	1.000
08002731	Pepper, bell-babyfood	0.232000	1.000	1.000
08002710	Pepper, bell, dried	0.232000	1.000	1.000
08002711	Pepper, bell, dried-babyfood	0.232000	1.000	1.000
08002730	Pepper, nonbell	0.232000	1.000	1.000
08002731	Pepper, nonbell-babyfood	0.232000	1.000	1.000
08002730	Pepper, nonbell, dried	0.232000	1.000	1.000
95002740	Peppermint	8.000000	1.000	1.000
95002750	Peppermint, oil	8.000000	1.000	1.000
14002760	Pistachio	0.700000	1.000	1.000
95002770	Plantain	0.040000	1.000	1.000
95002780	Plantain, dried	0.040000	3.900	1.000
12002790	Plum	0.900000	1.000	1.000
12002791	Plum-babyfood	0.900000	1.000	1.000
12002800	Plum, prune, fresh	0.900000	1.000	1.000
12002801	Plum, prune, fresh-babyfood	0.900000	1.000	1.000
12002810	Plum, prune, dried	0.900000	1.300	1.000
12002820	Plum, prune, juice	0.900000	1.400	1.000
12002821	Plum, prune, juice-babyfood	0.900000	1.400	1.000
25002830	Pork, meat	0.100000	1.000	1.000
25002831	Pork, meat-babyfood	0.100000	1.000	1.000
25002840	Pork, skin	0.100000	1.000	1.000
25002850	Pork, meat byproducts	0.200000	1.000	1.000
25002851	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002860	Pork, fat	0.100000	1.000	1.000
25002861	Pork, fat-babyfood	0.100000	1.000	1.000
25002870	Pork, kidney	0.200000	1.000	1.000
25002880	Pork, liver	1.500000	1.000	1.000
01032890	Potato, chips	0.040000	1.000	1.000
01032900	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01032910	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01032920	Potato, flour	0.040000	1.000	1.000
01032921	Potato, flour-babyfood	0.040000	1.000	1.000
01032930	Potato, tuber, w/peel	0.040000	1.000	1.000
01032940	Potato, tuber, w/o peel	0.040000	1.000	1.000
01032941	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000
13002950	Pummelo	2.000000	1.000	1.000
09020960	Pumpkin	0.500000	1.000	1.000
09020970	Pumpkin, seed	0.500000	1.000	1.000
11002980	Quince	1.500000	1.000	1.000
04002990	Radicchio	29.000000	1.000	1.000
01032990	Radish, roots	0.400000	1.000	1.000
01032991	Radish, Oriental roots	0.400000	1.000	1.000
05023000	Rape greens	16.000000	1.000	1.000
13003010	Raspberry	4.000000	1.000	1.000
13003011	Raspberry-babyfood	4.000000	1.000	1.000
13003020	Raspberry, juice	4.000000	1.000	1.000
13003021	Raspberry, juice-babyfood	4.000000	1.000	1.000
04003030	Rhubarb	29.000000	1.000	1.000
01032040	Rutabaga	0.400000	1.000	1.000
15003050	Rye, grain	0.040000	1.000	1.000
01032060	Salsify, roots	0.400000	1.000	1.000
03003070	Shallot	0.300000	1.000	1.000
26003080	Sheep, meat	0.100000	1.000	1.000
26003081	Sheep, meat-babyfood	0.100000	1.000	1.000
26003090	Sheep, meat byproducts	0.200000	1.000	1.000
26003091	Sheep, fat	0.100000	1.000	1.000

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 6	Soybean, seed	0.040000	1.000	1.000
06003480 6	Soybean, flour	0.040000	1.000	1.000
06003481 6	Soybean, flour-babyfood	0.040000	1.000	1.000
06003490 6	Soybean, soy milk	0.040000	1.000	1.000
06003491 6	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06003500 6	Soybean, oil	0.040000	1.000	1.000
06003501 6	Soybean, oil-babyfood	0.040000	1.000	1.000
95003520 S	Spearmint	8.000000	1.000	1.000
95003530 S	Spearmint, oil	8.000000	1.000	1.000
34013500 4A	Spinach	29.000000	1.000	1.000
34013501 4A	Spinach-babyfood	29.000000	1.000	1.000
09023560 9A	Squash, summer	0.500000	1.000	1.000
09023561 9A	Squash, summer-babyfood	0.500000	1.000	1.000
09023570 9B	Squash, winter	0.500000	1.000	1.000
09023571 9B	Squash, winter-babyfood	0.500000	1.000	1.000
95003550 S	Strawberry	1.200000	1.000	1.000
95003591 S	Strawberry-babyfood	1.200000	1.000	1.000
95003600 S	Strawberry, juice	1.200000	1.000	1.000
95003601 S	Strawberry, juice-babyfood	1.200000	1.000	1.000
20003630 2A	Sunflower, seed	0.300000	1.000	1.000
20003650 2A	Sunflower, oil	0.300000	1.000	1.000
20003651 2A	Sunflower, oil-babyfood	0.300000	1.000	1.000
01033660 1CD	Sweet potato	0.040000	1.000	1.000
01033661 1CD	Sweet potato-babyfood	0.040000	1.000	1.000
34023670 4B	Swiss chard	29.000000	1.000	1.000
10003695 10	Tangerine	2.000000	1.000	1.000
10003700 10	Tangerine, juice	2.000000	2.300	1.000
01033713 1CD	Tanier, corm	0.040000	1.000	1.000
08003740 8	Tomatillo	1.400000	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
01033872 1CD	Turmeric	0.040000	1.000	1.000
05003892 53	Turnip, greens	16.000000	1.000	1.000
01033890 1AB	Turnip, roots	0.400000	1.000	1.000
14003910 14	Walnut	0.040000	1.000	1.000
09013990 9A	Watermelon	0.500000	1.000	1.000
09014000 9A	Watermelon, juice	0.500000	1.000	1.000
15003810 15	Wheat, grain	0.200000	1.000	1.000
15004[illegible] 15	Wheat, grain-babyfood	0.200000	1.000	1.000
15004120 15	Wheat, flour	0.200000	0.700	1.000
15004121 15	Wheat, flour-babyfood	0.200000	0.700	1.000
15004130 15	Wheat, germ	0.200000	0.850	1.000
15004140 15	Wheat, bran	0.200000	1.000	1.000
01034200 1CD	Yam, true	0.040000	1.000	1.000
01034210 1CD	Yam bean	0.040000	1.000	1.000

Attachment 7. Pyraclostrobin Chronic Dietary Analysis Results – Food Only

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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
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)
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Total exposure by population subgroup

Population Subgroup	Total Exposure mg/kg body wt/day	Total Exposure 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%

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 55+	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 & Water

Filename: C:\Documents and Settings\lcheng\My Documents\DEEM FCID lc\Pyraclostrobin\Tol+ave+water.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: 03-20-2007/14:56:08/8 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	#2	Comment
14000000	14	Almond	0.040000	1.000	1.000	
14000040	14	Almond, oil	0.040000	1.000	1.000	
04010001	4A	Amaranth, leafy	29.000000	1.000	1.000	
11000007	11	Apple, fruit with peel	0.310000	1.000	1.000	
11000080	11	Apple, peeled fruit	0.310000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	0.310000	1.000	1.000	
11000030	11	Apple, dried	0.310000	8.000	1.000	
11000090	11	Apple, dried-babyfood	0.310000	8.000	1.000	
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	
12000110	12	Apricot	0.900000	1.000	1.000	
12000111	12	Apricot-babyfood	0.900000	1.000	1.000	
12000130	12	Apricot, dried	0.900000	6.000	1.000	
12000160	12	Apricot, juice	0.900000	1.000	1.000	
12000161	12	Apricot, juice-babyfood	0.900000	1.000	1.000	
01010130	1CD	Arrowroot, flour	0.040000	1.000	1.000	
01000[illegible]	1CD	Artichoke, Jerusalem	0.040000	1.000	1.000	
04010[illegible]	4A	Arugula	29.000000	1.000	1.000	
09000010	9B	Balsam pear	0.500000	1.000	1.000	
95000210	O	Banana	0.040000	1.000	1.000	
95000211	O	Banana-babyfood	0.040000	1.000	1.000	
95000240	O	Banana, dried	0.040000	3.900	1.000	
95000241	O	Banana, dried-babyfood	0.040000	3.900	1.000	
15000050	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	6C	Bean, black, seed	0.500000	1.000	1.000
06020320	6B	Bean, broad, succulent	0.500000	1.000	1.000
06030320	6C	Bean, broad, seed	0.500000	1.000	1.000
06020330	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
06020370	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	6A	Bean, snap, succulent	0.500000	1.000	1.000
06010431	6A	Bean, snap, succulent-babyfood	0.500000	1.000	1.000
21000440	M	Beef, meat	0.100000	1.000	1.000
21000441	M	Beef, meat-babyfood	0.100000	1.000	1.000
21000450	M	Beef, meat, dried	0.100000	1.920	1.000
21000460	M	Beef, meat byproducts	0.200000	1.000	1.000
21000461	M	Beef, meat byproducts-babyfood	0.200000	1.000	1.000
21000470	M	Beef, fat	0.100000	1.000	1.000
21000471	M	Beef, fat-babyfood	0.100000	1.000	1.000
21000480	M	Beef, kidney	0.200000	1.000	1.000
21000490	M	Beef, liver	1.500000	1.000	1.000
21000491	M	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	[illegible]	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	[illegible]	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
13010580	13A	Boysenberry	4.000000	1.000	1.000
14000590	14	Brazil nut	0.040000	1.000	1.000
05010601	5A	Broccoli	5.000000	1.000	1.000
05010610	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
09010730	9A	Cantaloupe	0.500000	1.000	1.000
04020740	4B	Cardoon	29.000000	1.000	1.000
01010750	1AB	Carrot	0.400000	1.000	1.000
01010751	1AB	Carrot-babyfood	0.400000	1.000	1.000
01010760	1AB	Carrot, juice	0.400000	1.000	1.000
09010770	9A	Casaba	0.500000	1.000	1.000
14000780	14	Cashew	0.040000	1.000	1.000
01010790	1CD	Cassava	0.040000	1.000	1.000
01010791	1CD	Cassava-babyfood	0.040000	1.000	1.000
05010800	5A	Cauliflower	5.000000	1.000	1.000
01010810	1AB	Celeriac	0.400000	1.000	1.000
04020820	4B	Celery	29.000000	1.000	1.000
04020821	4B	Celery-babyfood	29.000000	1.000	1.000
04020830	4B	Celery, juice	29.000000	1.000	1.000
04020831	4B	Celtuce	29.000000	1.000	1.000
09010840	9B	Chayote, fruit	0.500000	1.000	1.000

12000900	13	Cherry	0.900000	1.000	1.000
12000901	13	Cherry-babyfood	0.900000	1.000	1.000
12000910	13	Cherry, juice	0.900000	1.500	1.000
12000911	13	Cherry, juice-babyfood	0.900000	1.500	1.000
14000920	14	Chestnut	0.040000	1.000	1.000
06030980	6	Chickpea, seed	0.340000	1.000	1.000
06030981	6	Chickpea, seed-babyfood	0.340000	1.000	1.000
06030990	6	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
09021020	9B	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
05021170	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
95001280	9	Cottonseed, oil	0.300000	0.300	1.000
95001281	9	Cottonseed, oil-babyfood	0.300000	0.300	1.000
11001290	11	Crabapple	1.500000	1.000	1.000
04011300	4A	Cress, garden	29.000000	1.000	1.000
04011310	4A	Cress, upland	29.000000	1.000	1.000
09021350	9B	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
04011380	4A	Dandelion, leaves	29.000000	1.000	1.000
03031390	3CD	Dasheen, corm	0.040000	1.000	1.000
02001400	2	Dasheen, leaves	16.000000	1.000	1.000
13011410	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	29.000000	1.000	1.000
04011510	4B	Fennel, Florence	29.000000	1.000	1.000
14001520	14	Filbert	0.040000	1.000	1.000
03001560	3	Garlic	0.900000	1.000	1.000
03001561	3	Garlic, dried	0.900000	1.000	1.000
03001611	3	Garlic, dried-babyfood	0.900000	1.000	1.000
01011660	1CD	Ginger	0.040000	1.000	1.000
01011670	1CD	Ginger, dried	0.040000	1.000	1.000
01011710	1AB	Ginseng, dried	0.400000	1.000	1.000
13011800	M	Goat, meat	0.100000	1.000	1.000
23011810	M	Goat, fat	0.100000	1.000	1.000
13021830	13B	Gooseberry	4.000000	1.000	1.000
95001870	O	Grape	0.768000	1.000	1.000
95001871	O	Grape, juice	0.768000	0.010	1.000
95001875	O	Grape, juice-babyfood	0.768000	0.010	1.000
95001880	O	Grape, leaves	0.768000	1.000	1.000
95001881	O	Grape, raisin	7.000000	1.000	1.000
95001882	O	Grape, wine and sherry	2.000000	1.000	1.000
10001920	10	Grapefruit	2.000000	1.000	1.000
10001921	10	Grapefruit, juice	2.000000	1.000	1.000
06001929	6C	Guar, seed	0.500000	1.000	1.000
06001930	6C	Guar, seed-babyfood	0.500000	1.000	1.000
09001940	9A	Honeydew melon	0.500000	1.000	1.000
95001980	O	Hop	23.000000	1.000	1.000
03001990	1AB	Horseradish	0.400000	1.000	1.000
13021[illegible]	13B	Huckleberry	4.000000	1.000	1.000
05001[illegible]	5B	Kale	16.000000	1.000	1.000
05001[illegible]	5A	Kohlrabi	5.000000	1.000	1.000
10001[illegible]	10	Kumquat	2.000000	1.000	1.000

03031980 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
10002001 10	Lemon, juice-babyfood	2.000000	0.020	1.000
10002010 10	Lemon, peel	2.000000	1.000	1.000
06032030 6C	Lentil, seed	0.500000	1.000	1.000
04012040 4A	Lettuce, head	0.590000	1.000	1.000
04012050 4A	Lettuce, leaf	7.680000	1.000	1.000
10002060 10	Lime	2.000000	1.000	1.000
10002070 10	Lime, juice	2.000000	0.020	1.000
10002071 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
95002151 9	Mango-babyfood	0.100000	1.000	1.000
95002160 9	Mango, dried	0.100000	1.000	1.000
95002170 9	Mango, juice	0.100000	1.000	1.000
95002171 9	Mango, juice-babyfood	0.100000	1.000	1.000
27002400 [illegible]	Milk, fat	0.100000	1.000	1.000
27002401 [illegible]	Milk, fat - baby food/infant for	0.100000	1.000	1.000
27012200 [illegible]	Milk, nonfat solids	0.100000	1.000	1.000
27012201 [illegible]	Milk, nonfat solids-baby food/in	0.100000	1.000	1.000
27022200 [illegible]	Milk, water	0.100000	1.000	1.000
27022201 [illegible]	Milk, water-babyfood/infant form	0.100000	1.000	1.000
27032201 [illegible]	Milk, sugar (lactose)-baby food/	0.100000	1.000	1.000
05022100 [illegible]	Mustard greens	16.000000	1.000	1.000
12001100 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
03002171 3	Onion, dry bulb-babyfood	0.900000	1.000	1.000
03002180 3	Onion, dry bulb, dried	0.900000	9.000	1.000
03002181 3	Onion, dry bulb, dried-babyfood	0.900000	9.000	1.000
03002190 3	Onion, green	0.900000	1.000	1.000
10002200 10	Orange	0.300000	1.000	1.000
10002210 10	Orange, juice	0.300000	0.020	1.000
10002211 10	Orange, juice-babyfood	0.300000	0.020	1.000
10002220 10	Orange, peel	0.300000	1.000	1.000
95002250 9	Papaya	0.100000	1.000	1.000
95002251 9	Papaya-babyfood	0.100000	1.000	1.000
95002260 9	Papaya, dried	0.100000	1.800	1.000
95002270 9	Papaya, juice	0.100000	1.500	1.000
04012280 4A	Parsley, leaves	29.000000	1.000	1.000
01012300 1AB	Parsley, turnip rooted	0.400000	1.000	1.000
01012310 1AB	Parsnip	0.400000	1.000	1.000
01012311 1AB	Parsnip-babyfood	0.400000	1.000	1.000
06022350 6B	Pea, succulent	0.200000	1.000	1.000
06022351 6B	Pea, succulent-babyfood	0.200000	1.000	1.000
06022360 6C	Pea, dry	0.500000	1.000	1.000
06022361 6C	Pea, dry-babyfood	0.500000	1.000	1.000
06022370 6A	Pea, edible podded, succulent	0.500000	1.000	1.000
06022380 6C	Pea, pigeon, seed	0.500000	1.000	1.000
06022381 6B	Pea, pigeon, succulent	0.200000	1.000	1.000
12012600 12	Peach	0.900000	1.000	1.000
12012601 12	Peach-babyfood	0.900000	1.000	1.000
12012610 12	Peach, dried	0.900000	7.000	1.000
12012620 12	Peach, juice	0.900000	1.000	1.000
12012621 12	Peach, juice-babyfood	0.900000	1.000	1.000
95012650 9	Peanut	0.050000	1.000	1.000
95012660 9	Peanut, butter	0.050000	1.890	1.000
95012680 9	Peanut, oil	0.100000	1.900	1.000
11012700 11	Pear	1.500000	1.000	1.000
11012701 11	Pear-babyfood	1.500000	1.000	1.000
11012710 11	Pear, dried	1.500000	6.250	1.000
11012720 11	Pear, juice	1.500000	1.000	1.000
11012721 11	Pear, juice-babyfood	1.500000	1.000	1.000
14012730 14	Pecan	0.040000	1.000	1.000
08002770 8	Pepper, bell	0.232000	1.000	1.000
08002771 8	Pepper, bell-babyfood	0.232000	1.000	1.000
08002780 8	Pepper, bell, dried	0.232000	1.000	1.000
08002781 8	Pepper, bell, dried-babyfood	0.232000	1.000	1.000

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
14002820	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
12002860	12	Plum	0.900000	1.000	1.000
12002861	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	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
25002921	M	Pork, meat byproducts-babyfood	0.200000	1.000	1.000
25002930	M	Pork, fat	0.100000	1.000	1.000
25002931	M	Pork, fat-babyfood	0.100000	1.000	1.000
25002940	M	Pork, kidney	0.200000	1.000	1.000
25002950	M	Pork, liver	1.500000	1.000	1.000
01032960	1C	Potato, chips	0.040000	1.000	1.000
01032970	1C	Potato, dry (granules/ flakes)	0.040000	6.500	1.000
01032971	1C	Potato, dry (granules/ flakes)-b	0.040000	6.500	1.000
01032980	1C	Potato, flour	0.040000	1.000	1.000
01032981	1C	Potato, flour-babyfood	0.040000	1.000	1.000
01032990	1C	Potato, tuber, w/peel	0.040000	1.000	1.000
01033000	1C	Potato, tuber, w/o peel	0.040000	1.000	1.000
01033001	1C	Potato, tuber, w/o peel-babyfood	0.040000	1.000	1.000
10001070	10	Pummelo	3.000000	1.000	1.000
09023080	9B	Pumpkin	0.500000	1.000	1.000
09023090	9B	Pumpkin, seed	0.500000	1.000	1.000
11003100	11	Quince	1.500000	1.000	1.000
04012000	4A	Radicchio	29.000000	1.000	1.000
01013140	1AB	Radish, roots	0.400000	1.000	1.000
01013160	1AB	Radish, Oriental, roots	0.400000	1.000	1.000
05021140	5B	Rape greens	15.000000	1.000	1.000
13012000	13A	Raspberry	4.000000	1.000	1.000
13012001	13A	Raspberry-babyfood	4.000000	1.000	1.000
13012020	13A	Raspberry, juice	4.000000	1.000	1.000
13012021	13A	Raspberry, juice-babyfood	4.000000	1.000	1.000
04042200	4B	Rhubarb	29.000000	1.000	1.000
01013270	1AB	Rutabaga	0.400000	1.000	1.000
15001180	15	Rye, grain	0.040000	1.000	1.000
01013[illegible]	1AB	Salsify, roots	0.400000	1.000	1.000
03003[illegible]	3	Shallot	0.900000	1.000	1.000
26003[illegible]	M	Sheep, meat	0.100000	1.000	1.000
26003[illegible]	M	Sheep, meat-babyfood	0.100000	1.000	1.000
26003100	M	Sheep, meat byproducts	0.200000	1.000	1.000
26003[illegible]	M	Sheep, fat	0.100000	1.000	1.000
26003[illegible]	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
06023[illegible]	6	Soybean, seed	0.040000	1.000	1.000
06023[illegible]	6	Soybean, flour	0.040000	1.000	1.000
06023[illegible]	6	Soybean, flour-babyfood	0.040000	1.000	1.000
06023[illegible]	6	Soybean, soy milk	0.040000	1.000	1.000
06023[illegible]	6	Soybean, soy milk-babyfood or in	0.040000	1.000	1.000
06023[illegible]	6	Soybean, oil	0.040000	1.000	1.000
06023[illegible]	6	Soybean, oil-babyfood	0.040000	1.000	1.000
95[illegible]03520	O	Spearmint	8.000000	1.000	1.000
9[illegible]03530	O	Spearmint, oil	8.000000	1.000	1.000
04[illegible]	4A	Spinach	29.000000	1.000	1.000
04[illegible]	4A	Spinach-babyfood	29.000000	1.000	1.000
09[illegible]0	9B	Squash, summer	0.500000	1.000	1.000
09[illegible]01	9B	Squash, summer-babyfood	0.500000	1.000	1.000
09[illegible]0	9B	Squash, winter	0.500000	1.000	1.000
09[illegible]01	9B	Squash, winter-babyfood	0.500000	1.000	1.000

95003590 [illegible]	Strawberry	1.200000	1.000	1.000
95003597 [illegible]	Strawberry-babyfood	1.200000	1.000	1.000
95003600 [illegible]	Strawberry, juice	1.200000	1.000	1.000
95003601 [illegible]	Strawberry, juice-babyfood	1.200000	1.000	1.000
30003647 [illegible]	Sunflower, seed	0.300000	1.000	1.000
30003651 [illegible]	Sunflower, oil	0.300000	1.000	1.000
30003651 [illegible]	Sunflower, oil-babyfood	0.300000	1.000	1.000
01033660 [illegible]	Sweet potato	0.040000	1.000	1.000
01033665 [illegible]	Sweet potato-babyfood	0.040000	1.000	1.000
04023636 [illegible]	Swiss chard	29.000000	1.000	1.000
10003690 [illegible]	Tangerine	2.000000	1.000	1.000
10003700 [illegible]	Tangerine, juice	2.000000	2.300	1.000
01033710 [illegible]	Tanier, corm	0.040000	1.000	1.000
08003740 [illegible]	Tomatillo	1.400000	1.000	1.000
08003750 [illegible]	Tomato	0.158000	1.000	1.000
08003751 [illegible]	Tomato-babyfood	0.158000	1.000	1.000
08003760 [illegible]	Tomato, paste	0.158000	2.100	1.000
08003761 [illegible]	Tomato, paste-babyfood	0.158000	2.100	1.000
08003770 [illegible]	Tomato, puree	0.158000	0.550	1.000
08003771 [illegible]	Tomato, puree-babyfood	0.158000	0.550	1.000
08003780 [illegible]	Tomato, dried	0.158000	14.300	1.000
08003781 [illegible]	Tomato, dried-babyfood	0.158000	14.300	1.000
08003790 [illegible]	Tomato, juice	0.158000	1.500	1.000
15003810 [illegible]	Triticale, flour	0.200000	1.000	1.000
01033810 [illegible]	Turmeric	0.040000	1.000	1.000
05023890 [illegible]	Turnip, greens	16.000000	1.000	1.000
01013890 [illegible]	Turnip, roots	0.400000	1.000	1.000
14003900 [illegible]	Walnut	0.040000	1.000	1.000
86010000 [illegible]	Water, direct, all sources	0.000800	1.000	1.000
86020000 [illegible]	Water, indirect, all sources	0.000800	1.000	1.000
09013950 [illegible]	Watermelon	0.500000	1.000	1.000
09014000 [illegible]	Watermelon, juice	0.500000	1.000	1.000
15004000 [illegible]	Wheat, grain	0.200000	1.000	1.000
15004001 [illegible]	Wheat, grain-babyfood	0.200000	1.000	1.000
15004030 [illegible]	Wheat, flour	0.200000	0.700	1.000
15004031 [illegible]	Wheat, flour-babyfood	0.200000	0.700	1.000
15004040 [illegible]	Wheat, germ	0.200000	0.850	1.000
15004049 [illegible]	Wheat, bran	0.200000	1.000	1.000
01034000 [illegible]	Yam, true	0.040000	1.000	1.000
01034000 [illegible]	Yam bean	0.040000	1.000	1.000

Attachment 9. Pyraclostrobin Chronic Dietary Analysis Results – Food & 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

Total exposure by population subgroup

Population Subgroup	Total Exposure mg/kg body wt/day	Total Exposure 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%
Northeast 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 55+	0.009145	26.9%

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 13-49 yrs	0.007196	21.2%

13544

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