

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MEMORANDUM

DATE: June 17, 2008

SUBJECT: Acute and Chronic Dietary (Food and Water) Exposure Assessment for the Petition Request Proposing Tolerances for Residues of Fludioxonil on Avocado, Carrot, Cucurbit, Lemon, Parsley, Radish, Sweet Potato, Tomato, and Brassica Vegetables.

PC Code: 071503
Decision No.: 380887
Petition No.: 7E7234
Risk Assessment Type: Single Chemical Dietary
Assessment
TXR No.: NA
MRID No.: NA

DP Barcode: 349726
Registration No.: 100-953 & 100-969
Regulatory Action: Section 3 Registration
Case No.: NA
CAS No.: 137-26-8
40 CFR: §180.516

REVIEWER: Breann Hanson, Biologist
Alternative Risk Integration and Assessment (ARIA) Team
Risk Integration Minor Use and Emergency Response Branch
(RIMUERB)/Registration Division (RD) (7505P)

THROUGH: William Cutchin, Acting Senior Scientist
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AND

Tom Bloem, Chemist
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TO: Breann Hanson, Biologist
ARIA Team

AND

Sidney Jackson
RIMUERB/RD (7505P)

Executive Summary

The purpose of this memorandum is to report the results of a dietary (food + drinking water) exposure analysis for the fungicide fludioxonil. In this analysis, the acute and chronic dietary exposure and risk estimates resulting from food and water intake were determined for the general U.S. population and various population subgroups.

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 U.S. Department of Agriculture's Continuing Surveys of Food Intakes by Individuals (CSFII) from 1994-1996 and 1998. This analysis was performed to support two Interregional Research Project No. 4 (IR-4) petitions (PP# 7E7234 & 2E6462), and establish Section 3 tolerances for residues of fludioxonil in/on avocado, cucurbit, lemon, parsley, radish, sweet potato and tomato. IR-4 proposes, upon the approval of the aforementioned tolerances, to remove established tolerances for residues of fludioxonil in/on herb subgroup 19A, fresh; herb subgroup 19A, dried; carrot and turnip, greens. In addition, a tolerance of 10.0 ppm has been established for starfruit (PP#07L05) though it is not listed in 40 CFR §180.516. This tolerance has been included in these assessments.

In calculating dietary risk estimates, ARIA has compared both the acute population-adjusted dose (aPAD) and the chronic population-adjusted dose (cPAD) to the respective estimated dietary exposures. Typically, ARIA has concerns regarding dietary risk when the estimates exceed 100% of the aPAD or cPAD. With the conservative assumptions noted below, risk estimates associated with dietary exposure to fludioxonil are significantly below ARIA's level of concern.

Acute Dietary (Food + Drinking Water) Exposure Results and Characterization

An acute dietary assessment assuming tolerance-level residues for all commodities with existing and proposed tolerances, default 100% crop treated (%CT) information and DEEM-FCID™ (Version 7.81) default processing factors was conducted for the population subgroup females 13-49 years old. There were no appropriate toxicological effects attributable to a single exposure (dose) for the general population or any other population subgroups; therefore these population subgroups were not included in this assessment. The peak (i.e., the highest and therefore relevant to acute exposure) drinking water estimate of 81.3 ppb, provided by the Environmental Fate and Effects Division (EFED), was directly incorporated into the acute assessment. The aPAD for females 13-49 years is 1.0 mg/kg/day. For food and drinking water, the exposure to females 13-49 yrs old utilized 14% of the aPAD at the 95th percentile of exposure. The acute dietary risk assessment for fludioxonil shows that for all included commodities, the **acute dietary risk estimates are below ARIA's level of concern (i.e. <100% aPAD)**.

Chronic Dietary (Food + Drinking Water) Exposure Results and Characterization

A chronic dietary assessment assuming tolerance-level residues for most commodities with existing and proposed tolerances and default 100% crop treated (%CT) information

was conducted for the general population and all population subgroups. Anticipated residue (AR) values for apple, grapefruit, lemon, lime, orange, and pear were generated from field trial data. ARs were also determined from processing studies for apple, grapefruit, lemon, lime and orange juices. Since a tomato processing study demonstrated that residues do not concentrate in tomato processed commodities, these processing factors were set to 1. DEEMM-FCID™ default processing factors were used for all other processed commodities. The mean (i.e., relevant to chronic exposure) drinking water estimate of 37.4 ppb, previously provided by EFED, was directly incorporated into the chronic assessment. For the U.S. population the exposure for food and water utilized 48% of the cPAD. The chronic dietary risk estimate for the highest reported exposed population subgroup, children 1-2 years old, is 88% of the cPAD. The chronic dietary risk assessment shows that for all included commodities, the **chronic dietary risk estimates are below ARIA's level of concern (i.e. <100% cPAD)**.

Cancer

HED classified fludioxonil as a “Group D” chemical – not classifiable as to human carcinogenicity; therefore, a cancer dietary assessment was not performed.

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. This is the population adjusted dose (PAD), which HED has concluded will result in no unreasonable adverse health effects. The PAD is equivalent to the point of departure (POD; e.g., NOAEL, LOAEL) divided by the required uncertainty or safety factors. Dietary risk is expressed as a percentage of the PAD.

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. 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”, 21/06/2000, web link: <http://www.epa.gov/fedrgstr/EPA-PEST/2000/July/Day-12/6061.pdf>; or see SOP 99.6 (8/20/1999).

The most recent dietary risk assessment for fludioxonil was conducted by B. Hanson (DP# 345986, 11/19/2007) for its use on carambola (star fruit).

II. Residue Information

Tolerances: Permanent tolerances for residues of fludioxonil are listed in 40 CFR §180.516 and are expressed in terms of fludioxonil (4-(2,2-difluoro-1,3-benzodioxonil-4-yl)-1 H – pyrrole-3-carbonitrile) in/on a variety of plant commodities.

Residue of Concern: The HED Metabolism Assessment Review Committee (DP#:

262022, W. Donovan et. al., 1/18/2000) has determined that the residue of concern for purposes of tolerance enforcement and risk assessment, is the parent fludioxonil. As part of a previous tolerance petition memo, an additional reviewed plant metabolism study reconfirmed fludioxonil as the only residue of concern (DP#: 287808, T. Bloem 2/12/2003).

Residue Data Used for Acute and Chronic Assessments:

The recommended tolerances for the proposed commodities (Table 1, below) were determined by ARIA (DP#: 345970, W. Cutchin, 5/20/2008).

Table 1. Tolerance Summary for Fludioxonil		
Commodity	Recommended Tolerance (ppm)	Comments (correct commodity definition)
Tomato	0.50	Raised for harmonization issues
Tomatillo	0.50	Raised for harmonization issues
Tomato, paste	None	
Avocado	0.45	
Black sapote	0.45	
Canistel	0.45	
Mamey sapote	0.45	
Mango	0.45	
Papaya	0.45	
Sapodilla	0.45	
Star apple	0.45	
Herb Subgroup 19A, fresh	10	Retain Established Tolerance
Herb Subgroup 19A, dried	65	Retain Established Tolerance
Leaves of root and tuber vegetables	30	
Root vegetables, except sugar beet subgroup	0.75	root vegetables, (except sugar beet), subgroup 1B
Lemon	None	
Lime	None	
Cucurbits	0.45	vegetable, cucurbit, crop group 9
Tuberous and corm vegetables, except potato subgroup	3.5	vegetable, tuberous and corm (except potato), subgroup 1D

Commodity	Recommended Tolerance (ppm)	Comments (correct commodity definition)
Carrot	None	Remove Established Tolerance
Turnip, greens	None	Remove Established Tolerance
Citrus oil	500	
Grapefruit oil	None	Remove Established Tolerance

The acute assessment was based on the assumption of tolerance-level residues for all commodities with existing and proposed tolerances and default 100% CT and DEEM-FCID™ (Version 7.81) default processing factors.

The chronic assessment was based on the assumption of tolerance-level residues for most commodities with existing and proposed tolerances and default 100% CT. AR values for apple, grapefruit, lemon, lime, orange, and pear were previously generated from field trials, see Table 2, below. ARs were determined for apple, grapefruit, lemon, lime and orange juices (J. Sullivan and M. Papathakis, 2/27/2004) using average residues from field trials and processing factors from processing studies. Although a new lemon study was submitted and reviewed for this petition, the results showed highest average field trial residues less than the existing tolerance; therefore, the ARs below are retained for this assessment as well. The submitted tomato processing study indicated that fludioxonil residues do not appreciably concentrate in tomato processed commodities made from treated tomato samples; therefore, tolerances are not required for tomato processed commodities (DP#: 345970, W. Cutchin, 5/20/2008). Processing factors were set to 1x for these processed commodities. DEEM-FCID™ default processing factors were used for all other processed commodities.

Commodity	Anticipated Residue (ppm)
Apple, whole	1.1
juice	0.1
Grapefruit, whole	2.6
juice	0.74
Lemon, whole	1.7
juice	0.02
Lime, whole	1.7
juice	0.02

Orange ¹ , whole	1.5
juice	0.74
Pear, whole	1.6

¹ Also represents tangerine

As part of the current petition, ARIA recommends establishing the tolerances as noted above, Table 1, for residues of fludioxonil.

III. Drinking Water Data

The drinking water residues used in the dietary risk assessment were provided by EFED in the following memorandum: *“Tier I Drinking Water Assessment for the Fludioxonil Proposed New Use on Grapes; and the Proposed IR-4 New Uses on Tomato, Avocado and Related Tropical Fruits, Herb Subgroup 19A, Root Vegetables, Leaves of Root Vegetables, Lemon, Lime, Cucurbits, and Tuberous and Corm Vegetables (Except Potato Subgroup, Except Yam) (DP#: 342828, 348540; C. Sutton; 3/12/2008) and incorporated directly into this dietary assessment. Water residues were incorporated in the DEEM-FCID into the food categories “water, direct, all sources” and “water, indirect, all sources.”*

Estimated drinking water concentrations (EDWCs) were calculated for fludioxonil residues using EFED’s FQPA Index Reservoir Screening Tool (FIRST) model for surface water and the Screening Concentration in Ground Water (SCI-GROW) model for groundwater. These EDWCs were modeled based on the use site with the highest application rate; i.e. turf.

Based on the modeling results using FIRST, surface water concentrations of fludioxonil are 81.3 ppb for the estimated peak concentration (acute) and 37.4 ppb for the estimated mean concentration (chronic). These values were incorporated into the dietary assessment. Groundwater EDWCs are minimal in comparison to surface water (0.20 ppb for both acute and chronic concentrations).

IV. DEEM-FCID™ Program and Consumption Information

Fludioxonil 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

The HED Hazard Identification Assessment Review Committee previously reviewed the fludioxonil toxicological database (HED Doc. No. 013806, W. Dykstra, 10/13/1999; TXR No. 0050427, W. Dykstra, 1/29/2002). Based on toxicological considerations and a review of the hazard and exposure data, the FQPA safety factor was reduced from 10x to 1x when acute and chronic dietary exposures were assessed (memo, T. Bloem, 2/13/2003). HED’s Cancer Peer Review Committee has classified fludioxonil as a “Group D” chemical - not classifiable as to human carcinogenicity.

Table 2. Summary of Toxicological Endpoints for Use in Human Health Risk Assessment			
Exposure Scenario	Dose Used in Risk Assessment, UF	FQPA Safety Factor	Study and Toxicological Effects
Acute Dietary <u>Females 13-49 only</u>	NOAEL= 100 UF = 100 Acute RfD = 1.0 mg/kg/day	FQPA SF = 1X aPAD = $\frac{\text{acute RfD}}{\text{FQPA SF}}$ = 1.0 mg/kg/day	The increased incidence of fetuses and litters with dilated renal pelvis and dilated ureter in rat developmental study.
Acute Dietary <u>General Population including infants and children</u>	There were no appropriate toxicological effects attributable to a single exposure (dose) observed in available oral toxicity studies, including maternal toxicity in the developmental toxicity studies. Therefore, a dose and endpoint were not identified for this risk assessment.		
Chronic Dietary <u>all populations</u>	NOAEL = 3.3 UF = 100 Chronic RfD = 0.03 mg/kg/day	FQPA SF = 1X cPAD = $\frac{\text{chronic RfD}}{\text{FQPA SF}}$ = 0.03 mg/kg/day	Decreased weight gain in female dogs during weeks 1-52 of one-year dog feeding study.
Cancer (oral, dermal, inhalation)	HED's Cancer Peer Review Committee has classified fludioxonil as a "Group D" chemical - not classifiable as to human carcinogenicity.		

¹ UF = uncertainty factor; NOAEL = no observed adverse effect level; LOAEL = lowest observed adverse effect level; PAD = population adjusted dose (a = acute, c = chronic); RfD = reference dose.

VI. Results/Discussion

For acute and chronic assessments, ARIA is concerned when dietary risk exceeds 100% of the PAD. The DEEM-FCID™ analyses estimate the dietary exposure of the U.S. population and various population subgroups. The results reported in the Summary Table (Table 3) are for the general U.S. Population, all infants (<1 year old), children 1-2, children 3-5, children 6-12, youth 13-19, females 13-49, adults 20-49, and adults 50+ years.

Results of Acute and Chronic Dietary Exposure Analyses

The acute dietary exposure for food and surface water utilized 14% of the aPAD for females 13-49 years old at the 95th percentile. There were no appropriate toxicological effects attributable to a single exposure (dose) for the general population or any other population subgroups; therefore these population subgroups were not included in this assessment.

The chronic dietary exposure for food and surface water utilized 48% of the cPAD for the U.S. population. The chronic dietary exposure for the highest reported exposed population subgroup, children 1-2 years old, was 89% of the cPAD.

The results of the acute and chronic dietary exposure analyses are reported in the Summary Table (Table 3, below).

Table 3. Summary of Dietary Exposure Risk for Fludioxonil				
Population Subgroup	Acute Dietary (95 th Percentile)		Chronic Dietary	
	Dietary Exposure (mg/kg/day)	% aPAD*	Dietary Exposure (mg/kg/day)	% cPAD*
General U.S. Population			0.014371	48
All Infants (< 1 year old)			0.019681	66
Children 1-2 years old			0.026439	88
Children 3-5 years old			0.022796	76
Children 6-12 years old			0.016108	54
Youth 13-19 years old			0.011689	39
Adults 20-49 years old			0.013123	44
Adults 50+ years old			0.013566	45
Females 13-49 years old	0.138260	14	0.013593	45

* % PADs are reported to 2 significant figures. The values for the highest exposed population for each type of risk assessment are bolded.

These analyses are conservative dietary exposure assessments. Further refinement to the analyses could be made through the use of additional anticipated residues, incorporation of percent crop treated information with fludioxonil, and/or monitoring data that better reflect residues at the time of consumption. Since risk estimates are below ARIA’s level of concern, a more highly refined analysis is not needed at this time.

VII. Conclusions

Acute and chronic dietary (food and drinking water) exposure assessments were conducted for the proposed and existing uses of fludioxonil.

The acute dietary (food + drinking water) exposure to fludioxonil is below ARIA’s level of concern for the females 13-49 years old population subgroup. The acute dietary exposure for food and surface water utilized 14% of the aPAD at the 95th percentile for females 13-49 years old.

The chronic dietary (food + drinking water) exposure to fludioxonil is below ARIA's level of concern for the general U.S. population and all population subgroups. The chronic dietary exposure utilized 48% of the cPAD for the general U.S. population and 88% of the cPAD for children 1-2 years old, the most highly exposed population subgroup.

VIII. List of Attachments

Attachment 1: Acute Food plus Water Residue Input File

Attachment 2: Acute Results File

Attachment 3: Chronic Food plus Water Residue Input File

Attachment 4: Chronic Results File

cc:

Lisa Jones

Mary Waller

Attachment 1: Acute Food plus Water Residue Input File

U.S. Environmental Protection Agency Ver. 2.02
 DEEM-FCID Acute analysis for FLUDIOXONIL
 Residue file name: C:\Documents and Settings\bhanson\My Documents\Breann's
 Work\ARIA\Fludioxonil\Tomato 2008\Finals\071503a.R98
 Analysis Date 06-17-2008 Residue file dated: 06-17-2008/11:23:36/8
 Reference dose: aRfD = 1 mg/kg bw/day NOEL = 100 mg/kg bw/day
 Comment: Acute Dietary with new FY08 Section 3 Tolerances

EPA Code	Crop Grp	Food Name	Def Res (ppm)	Adj. Factors #1	Adj. Factors #2	Comment
04010050	4A	Amaranth, leafy	30.000000	1.000	1.000	
11000070	11	Apple, fruit with peel	5.000000	1.000	1.000	
11000080	11	Apple, peeled fruit	5.000000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	5.000000	1.000	1.000	
11000090	11	Apple, dried	5.000000	8.000	1.000	
11000091	11	Apple, dried-babyfood	5.000000	8.000	1.000	
11000100	11	Apple, juice	5.000000	1.300	1.000	
11000101	11	Apple, juice-babyfood	5.000000	1.300	1.000	
11000110	11	Apple, sauce	5.000000	1.000	1.000	
11000111	11	Apple, sauce-babyfood	5.000000	1.000	1.000	
12000120	12	Apricot	5.000000	1.000	1.000	
12000121	12	Apricot-babyfood	5.000000	1.000	1.000	
12000130	12	Apricot, dried	5.000000	6.000	1.000	
12000140	12	Apricot, juice	5.000000	1.000	1.000	
12000141	12	Apricot, juice-babyfood	5.000000	1.000	1.000	
01030150	1CD	Arrowroot, flour	3.500000	1.000	1.000	
01030151	1CD	Arrowroot, flour-babyfood	3.500000	1.000	1.000	
01030170	1CD	Artichoke, Jerusalem	3.500000	1.000	1.000	
04010180	4A	Arugula	30.000000	1.000	1.000	
95000200	O	Avocado	0.450000	1.000	1.000	7E7234
09020210	9B	Balsam pear	0.450000	1.000	1.000	7E7234
15000250	15	Barley, pearled barley	0.020000	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	0.020000	1.000	1.000	
15000260	15	Barley, flour	0.020000	1.000	1.000	
15000261	15	Barley, flour-babyfood	0.020000	1.000	1.000	
15000270	15	Barley, bran	0.020000	1.000	1.000	
19010280	19A	Basil, fresh leaves	10.000000	1.000	1.000	
19010281	19A	Basil, fresh leaves-babyfood	10.000000	1.000	1.000	
19010290	19A	Basil, dried leaves	65.000000	1.000	1.000	
19010291	19A	Basil, dried leaves-babyfood	65.000000	1.000	1.000	
06030300	6C	Bean, black, seed	0.400000	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.400000	1.000	1.000	
06030320	6C	Bean, broad, seed	0.400000	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.400000	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.400000	1.000	1.000	
06030350	6C	Bean, great northern, seed	0.400000	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.400000	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.400000	1.000	1.000	
06030380	6C	Bean, lima, seed	0.400000	1.000	1.000	
06030390	6C	Bean, mung, seed	0.400000	1.000	1.000	
06030400	6C	Bean, navy, seed	0.400000	1.000	1.000	
06030410	6C	Bean, pink, seed	0.400000	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.400000	1.000	1.000	
06010430	6A	Bean, snap, succulent	0.400000	1.000	1.000	
06010431	6A	Bean, snap, succulent-babyfood	0.400000	1.000	1.000	
01010500	1AB	Beet, garden, roots	0.750000	1.000	1.000	7E7234
01010501	1AB	Beet, garden, roots-babyfood	0.750000	1.000	1.000	7E7234
02000510	2	Beet, garden, tops	30.000000	1.000	1.000	7E7234
01010520	1A	Beet, sugar	0.020000	1.000	1.000	
01010521	1A	Beet, sugar-babyfood	0.020000	1.000	1.000	
01010530	1A	Beet, sugar, molasses	0.020000	1.000	1.000	
01010531	1A	Beet, sugar, molasses-babyfood	0.020000	1.000	1.000	

13010550	13A	Blackberry	5.000000	1.000	1.000
13010560	13A	Blackberry, juice	5.000000	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	5.000000	1.000	1.000
13020570	13B	Blueberry	2.000000	1.000	1.000
13020571	13B	Blueberry-babyfood	2.000000	1.000	1.000
13010580	13A	Boysenberry	5.000000	1.000	1.000
05010610	5A	Broccoli	2.000000	1.000	1.000
05010611	5A	Broccoli-babyfood	2.000000	1.000	1.000
05010620	5A	Broccoli, Chinese	2.000000	1.000	1.000
05020630	5B	Broccoli raab	10.000000	1.000	1.000
05010640	5A	Brussels sprouts	2.000000	1.000	1.000
15000650	15	Buckwheat	0.020000	1.000	1.000
15000660	15	Buckwheat, flour	0.020000	1.000	1.000
01010670	1AB	Burdock	0.750000	1.000	1.0007E7234
05010690	5A	Cabbage	2.000000	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	10.000000	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	2.000000	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	2.000000	1.000	1.000
95000740	O	Canistel	0.450000	1.000	1.0007E7234
09010750	9A	Cantaloupe	0.450000	1.000	1.0007E7234
04020760	4B	Cardoon	0.010000	1.000	1.000
01010780	1AB	Carrot	0.750000	1.000	1.0007E7234
01010781	1AB	Carrot-babyfood	0.750000	1.000	1.0007E7234
01010790	1AB	Carrot, juice	0.750000	1.000	1.0007E7234
09010800	9A	Casaba	0.450000	1.000	1.0007E7234
01030820	1CD	Cassava	3.500000	1.000	1.000
01030821	1CD	Cassava-babyfood	3.500000	1.000	1.000
05010830	5A	Cauliflower	2.000000	1.000	1.000
01010840	1AB	Celeriac	0.750000	1.000	1.0007E7234
04020850	4B	Celery	0.010000	1.000	1.000
04020851	4B	Celery-babyfood	0.010000	1.000	1.000
04020860	4B	Celery, juice	0.010000	1.000	1.000
04020870	4B	Celtuce	0.010000	1.000	1.000
09020880	9B	Chayote, fruit	0.450000	1.000	1.0007E7234
12000900	12	Cherry	5.000000	1.000	1.000
12000901	12	Cherry-babyfood	5.000000	1.000	1.000
12000910	12	Cherry, juice	5.000000	1.500	1.000
12000911	12	Cherry, juice-babyfood	5.000000	1.500	1.000
06030980	6C	Chickpea, seed	0.400000	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.400000	1.000	1.000
06030990	6C	Chickpea, flour	0.010000	1.000	1.000
01011000	1AB	Chicory, roots	0.750000	1.000	1.0007E7234
02001010	2	Chicory, tops	30.000000	1.000	1.0007E7234
09021020	9B	Chinese waxgourd	0.450000	1.000	1.0007E7234
19011030	19A	Chive	10.000000	1.000	1.000
04011040	4A	Chrysanthemum, garland	30.000000	1.000	1.000
19021050	19B	Cinnamon	0.020000	1.000	1.000
19021051	19B	Cinnamon-babyfood	0.020000	1.000	1.000
10001060	10	Citrus citron	10.000000	1.000	1.000
10001070	10	Citrus hybrids	10.000000	1.000	1.000
10001080	10	Citrus, oil	500.000000	1.000	1.0007E7234
05021170	5B	Collards	10.000000	1.000	1.000
19011180	19A	Coriander, leaves	10.000000	1.000	1.000
19011181	19A	Coriander, leaves-babyfood	10.000000	1.000	1.000
19021190	19B	Coriander, seed	0.020000	1.000	1.000
19021191	19B	Coriander, seed-babyfood	0.020000	1.000	1.000
15001200	15	Corn, field, flour	0.020000	1.000	1.000
15001201	15	Corn, field, flour-babyfood	0.020000	1.000	1.000
15001210	15	Corn, field, meal	0.020000	1.000	1.000
15001211	15	Corn, field, meal-babyfood	0.020000	1.000	1.000
15001220	15	Corn, field, bran	0.020000	1.000	1.000
15001230	15	Corn, field, starch	0.020000	1.000	1.000
15001231	15	Corn, field, starch-babyfood	0.020000	1.000	1.000
15001240	15	Corn, field, syrup	0.020000	1.500	1.000
15001241	15	Corn, field, syrup-babyfood	0.020000	1.500	1.000
15001250	15	Corn, field, oil	0.020000	1.000	1.000

15001251	15	Corn, field, oil-babyfood	0.020000	1.000	1.000
15001260	15	Corn, pop	0.020000	1.000	1.000
15001270	15	Corn, sweet	0.020000	1.000	1.000
15001271	15	Corn, sweet-babyfood	0.020000	1.000	1.000
95001280	O	Cottonseed, oil	0.050000	1.000	1.000
95001281	O	Cottonseed, oil-babyfood	0.050000	1.000	1.000
11001290	11	Crabapple	5.000000	1.000	1.000
04011330	4A	Cress, garden	30.000000	1.000	1.000
04011340	4A	Cress, upland	30.000000	1.000	1.000
09021350	9B	Cucumber	0.450000	1.000	1.0007E7234
13021360	13B	Currant	2.000000	1.000	1.000
13021370	13B	Currant, dried	2.000000	1.000	1.000
04011380	4A	Dandelion, leaves	30.000000	1.000	1.000
01031390	1CD	Dasheen, corm	3.500000	1.000	1.000
02001400	2	Dasheen, leaves	30.000000	1.000	1.0007E7234
13011420	13A	Dewberry	5.000000	1.000	1.000
19021430	19B	Dill, seed	0.020000	1.000	1.000
19011440	19A	Dillweed	10.000000	1.000	1.000
08001480	8	Eggplant	0.010000	1.000	1.000
13021490	13B	Elderberry	2.000000	1.000	1.000
04011500	4A	Endive	30.000000	1.000	1.000
04021520	4B	Fennel, Florence	0.010000	1.000	1.000
20001630	20	Flaxseed, oil	0.050000	1.000	1.000
03001640	3	Garlic	0.200000	1.000	1.000
03001650	3	Garlic, dried	0.200000	1.000	1.000
03001651	3	Garlic, dried-babyfood	0.200000	1.000	1.000
01031660	1CD	Ginger	3.500000	1.000	1.000
01031661	1CD	Ginger-babyfood	3.500000	1.000	1.000
01031670	1CD	Ginger, dried	3.500000	1.000	1.000
01011680	1AB	Ginseng, dried	0.750000	1.000	1.0007E7234
13021740	13B	Gooseberry	2.000000	1.000	1.000
95001750	O	Grape	1.000000	1.000	1.000
95001760	O	Grape, juice	1.000000	1.200	1.000
95001761	O	Grape, juice-babyfood	1.000000	1.200	1.000
95001770	O	Grape, leaves	1.000000	1.000	1.000
95001780	O	Grape, raisin	1.000000	4.300	1.000
95001790	O	Grape, wine and sherry	1.000000	1.000	1.000
10001800	10	Grapefruit	10.000000	1.000	1.000
10001810	10	Grapefruit, juice	10.000000	2.100	1.000
06031820	6C	Guar, seed	0.400000	1.000	1.000
06031821	6C	Guar, seed-babyfood	0.400000	1.000	1.000
19011840	19A	Herbs, other	65.000000	1.000	1.000
19011841	19A	Herbs, other-babyfood	65.000000	1.000	1.000
09011870	9A	Honeydew melon	0.450000	1.000	1.0007E7234
01011900	1AB	Horseradish	0.750000	1.000	1.0007E7234
13021910	13B	Huckleberry	2.000000	1.000	1.000
05021940	5B	Kale	10.000000	1.000	1.000
95001950	O	Kiwifruit	20.000000	1.000	1.000
05011960	5A	Kohlrabi	2.000000	1.000	1.000
10001970	10	Kumquat	10.000000	1.000	1.000
03001980	3	Leek	7.000000	1.000	1.000
10001990	10	Lemon	10.000000	1.000	1.000
10002000	10	Lemon, juice	10.000000	2.000	1.000
10002001	10	Lemon, juice-babyfood	10.000000	2.000	1.000
10002010	10	Lemon, peel	10.000000	1.000	1.000
19012020	19A	Lemongrass	10.000000	1.000	1.000
06032030	6C	Lentil, seed	0.010000	1.000	1.000
04012040	4A	Lettuce, head	30.000000	1.000	1.000
04012050	4A	Lettuce, leaf	30.000000	1.000	1.000
10002060	10	Lime	10.000000	1.000	1.000
10002070	10	Lime, juice	10.000000	2.000	1.000
10002071	10	Lime, juice-babyfood	10.000000	2.000	1.000
13012080	13A	Loganberry	5.000000	1.000	1.000
95002090	O	Longan	1.000000	1.000	1.000
11002100	11	Loquat	5.000000	1.000	1.000
95002110	O	Lychee	1.000000	1.000	1.000

95002120	O	Lychee, dried	1.000000	1.850	1.000
95002150	O	Mango	0.450000	1.000	1.0007E7234
95002151	O	Mango-babyfood	0.450000	1.000	1.0007E7234
95002160	O	Mango, dried	0.450000	1.000	1.0007E7234
95002170	O	Mango, juice	0.450000	1.000	1.0007E7234
95002171	O	Mango, juice-babyfood	0.450000	1.000	1.0007E7234
19012200	19A	Marjoram	10.000000	1.000	1.000
19012201	19A	Marjoram-babyfood	10.000000	1.000	1.000
15002260	15	Millet, grain	0.020000	1.000	1.000
05022290	5B	Mustard greens	10.000000	1.000	1.000
12002300	12	Nectarine	5.000000	1.000	1.000
15002310	15	Oat, bran	0.020000	1.000	1.000
15002320	15	Oat, flour	0.020000	1.000	1.000
15002321	15	Oat, flour-babyfood	0.020000	1.000	1.000
15002330	15	Oat, groats/rolled oats	0.020000	1.000	1.000
15002331	15	Oat, groats/rolled oats-babyfood	0.020000	1.000	1.000
08002340	8	Okra	0.010000	1.000	1.000
03002370	3	Onion, dry bulb	0.200000	1.000	1.000
03002371	3	Onion, dry bulb-babyfood	0.200000	1.000	1.000
03002380	3	Onion, dry bulb, dried	0.200000	9.000	1.000
03002381	3	Onion, dry bulb, dried-babyfood	0.200000	9.000	1.000
03002390	3	Onion, green	7.000000	1.000	1.000
10002400	10	Orange	10.000000	1.000	1.000
10002410	10	Orange, juice	10.000000	1.800	1.000
10002411	10	Orange, juice-babyfood	10.000000	1.800	1.000
10002420	10	Orange, peel	10.000000	1.000	1.000
95002450	O	Papaya	0.450000	1.000	1.0007E7234
95002451	O	Papaya-babyfood	0.450000	1.000	1.0007E7234
95002460	O	Papaya, dried	0.450000	1.800	1.0007E7234
95002470	O	Papaya, juice	0.450000	1.500	1.0007E7234
04012480	4A	Parsley, leaves	30.000000	1.000	1.000
19012490	19A	Parsley, dried leaves	65.000000	1.000	1.000
19012491	19A	Parsley, dried leaves-babyfood	65.000000	1.000	1.000
01012500	1AB	Parsley, turnip rooted	0.750000	1.000	1.0007E7234
01012510	1AB	Parsnip	0.750000	1.000	1.0007E7234
01012511	1AB	Parsnip-babyfood	0.750000	1.000	1.0007E7234
06022550	6B	Pea, succulent	0.010000	1.000	1.000
06022551	6B	Pea, succulent-babyfood	0.010000	1.000	1.000
06032560	6C	Pea, dry	0.010000	1.000	1.000
06032561	6C	Pea, dry-babyfood	0.010000	1.000	1.000
06012570	6A	Pea, edible podded, succulent	0.010000	1.000	1.000
06032580	6C	Pea, pigeon, seed	0.010000	1.000	1.000
06022590	6B	Pea, pigeon, succulent	0.010000	1.000	1.000
12002600	12	Peach	5.000000	1.000	1.000
12002601	12	Peach-babyfood	5.000000	1.000	1.000
12002610	12	Peach, dried	5.000000	7.000	1.000
12002611	12	Peach, dried-babyfood	5.000000	7.000	1.000
12002620	12	Peach, juice	5.000000	1.000	1.000
12002621	12	Peach, juice-babyfood	5.000000	1.000	1.000
95002630	O	Peanut	0.010000	1.000	1.000
95002640	O	Peanut, butter	0.010000	1.890	1.000
95002650	O	Peanut, oil	0.010000	1.000	1.000
11002660	11	Pear	5.000000	1.000	1.000
11002661	11	Pear-babyfood	5.000000	1.000	1.000
11002670	11	Pear, dried	5.000000	6.250	1.000
11002680	11	Pear, juice	5.000000	1.000	1.000
11002681	11	Pear, juice-babyfood	5.000000	1.000	1.000
08002700	8	Pepper, bell	0.010000	1.000	1.000
08002701	8	Pepper, bell-babyfood	0.010000	1.000	1.000
08002710	8	Pepper, bell, dried	0.010000	1.000	1.000
08002711	8	Pepper, bell, dried-babyfood	0.010000	1.000	1.000
08002720	8	Pepper, nonbell	0.010000	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	0.010000	1.000	1.000
08002730	8	Pepper, nonbell, dried	0.010000	1.000	1.000
19022740	19B	Pepper, black and white	0.020000	1.000	1.000
19022741	19B	Pepper, black and white-babyfood	0.020000	1.000	1.000

14002820	14	Pistachio	0.100000	1.000	1.000
12002850	12	Plum	5.000000	1.000	1.000
12002851	12	Plum-babyfood	5.000000	1.000	1.000
12002860	12	Plum, prune, fresh	5.000000	1.000	1.000
12002861	12	Plum, prune, fresh-babyfood	5.000000	1.000	1.000
12002870	12	Plum, prune, dried	5.000000	5.000	1.000
12002871	12	Plum, prune, dried-babyfood	5.000000	5.000	1.000
12002880	12	Plum, prune, juice	5.000000	1.400	1.000
12002881	12	Plum, prune, juice-babyfood	5.000000	1.400	1.000
95002890	O	Pomegranate	5.000000	1.000	1.000
Full comment: Section 18 tolerance					
01032960	1C	Potato, chips	0.020000	1.000	1.000
01032970	1C	Potato, dry (granules/ flakes)	0.020000	6.500	1.000
01032971	1C	Potato, dry (granules/ flakes)-b	0.020000	6.500	1.000
01032980	1C	Potato, flour	0.020000	1.000	1.000
01032981	1C	Potato, flour-babyfood	0.020000	1.000	1.000
01032990	1C	Potato, tuber, w/peel	0.020000	1.000	1.000
01032991	1C	Potato, tuber, w/peel-babyfood	0.020000	1.000	1.000
01033000	1C	Potato, tuber, w/o peel	0.020000	1.000	1.000
01033001	1C	Potato, tuber, w/o peel-babyfood	0.020000	1.000	1.000
10003070	10	Pummelo	10.000000	1.000	1.000
09023080	9B	Pumpkin	0.450000	1.000	1.0007E7234
09023090	9B	Pumpkin, seed	0.450000	1.000	1.0007E7234
11003100	11	Quince	5.000000	1.000	1.000
04013130	4A	Radicchio	30.000000	1.000	1.000
01013140	1AB	Radish, roots	0.750000	1.000	1.0007E7234
02003150	2	Radish, tops	30.000000	1.000	1.0007E7234
01013160	1AB	Radish, Oriental, roots	0.750000	1.000	1.0007E7234
02003170	2	Radish, Oriental, tops	30.000000	1.000	1.0007E7234
05023180	5B	Rape greens	10.000000	1.000	1.000
20003190	20	Rapeseed, oil	0.010000	1.000	1.000
20003191	20	Rapeseed, oil-babyfood	0.010000	1.000	1.000
13013200	13A	Raspberry	5.000000	1.000	1.000
13013201	13A	Raspberry-babyfood	5.000000	1.000	1.000
13013210	13A	Raspberry, juice	5.000000	1.000	1.000
13013211	13A	Raspberry, juice-babyfood	5.000000	1.000	1.000
04023220	4B	Rhubarb	0.010000	1.000	1.000
15003230	15	Rice, white	0.020000	1.000	1.000
15003231	15	Rice, white-babyfood	0.020000	1.000	1.000
15003240	15	Rice, brown	0.020000	1.000	1.000
15003241	15	Rice, brown-babyfood	0.020000	1.000	1.000
15003250	15	Rice, flour	0.020000	1.000	1.000
15003251	15	Rice, flour-babyfood	0.020000	1.000	1.000
15003260	15	Rice, bran	0.020000	1.000	1.000
15003261	15	Rice, bran-babyfood	0.020000	1.000	1.000
01013270	1AB	Rutabaga	0.750000	1.000	1.0007E7234
15003280	15	Rye, grain	0.020000	1.000	1.000
15003290	15	Rye, flour	0.020000	1.000	1.000
20003300	20	Safflower, oil	0.010000	1.000	1.000
20003301	20	Safflower, oil-babyfood	0.010000	1.000	1.000
01013310	1AB	Salsify, roots	0.750000	1.000	1.0007E7234
02003320	2	Salsify, tops	30.000000	1.000	1.0007E7234
95003330	O	Sapote, Mamey	0.450000	1.000	1.0007E7234
19013340	19A	Savory	10.000000	1.000	1.000
03003380	3	Shallot	0.200000	1.000	1.000
15003440	15	Sorghum, grain	0.020000	1.000	1.000
15003450	15	Sorghum, syrup	0.020000	1.000	1.000
06003470	6	Soybean, seed	0.010000	1.000	1.000
06003480	6	Soybean, flour	0.010000	1.000	1.000
06003481	6	Soybean, flour-babyfood	0.010000	1.000	1.000
06003490	6	Soybean, soy milk	0.010000	1.000	1.000
06003491	6	Soybean, soy milk-babyfood or in	0.010000	1.000	1.000
06003500	6	Soybean, oil	0.010000	1.000	1.000
06003501	6	Soybean, oil-babyfood	0.010000	1.000	1.000
95003510	O	Spanish lime	1.000000	1.000	1.000
19023540	19B	Spices, other	0.020000	1.000	1.000

19023541	19B	Spices, other-babyfood	0.020000	1.000	1.000
04013550	4A	Spinach	0.010000	1.000	1.000
04013551	4A	Spinach-babyfood	0.010000	1.000	1.000
09023560	9B	Squash, summer	0.450000	1.000	1.0007E7234
09023561	9B	Squash, summer-babyfood	0.450000	1.000	1.0007E7234
09023570	9B	Squash, winter	0.450000	1.000	1.0007E7234
09023571	9B	Squash, winter-babyfood	0.450000	1.000	1.0007E7234
95003580	O	Starfruit	10.000000	1.000	1.000PP# 07
Full comment: PP# 07L05					
95003590	O	Strawberry	2.000000	1.000	1.000
95003591	O	Strawberry-babyfood	2.000000	1.000	1.000
95003600	O	Strawberry, juice	2.000000	1.000	1.000
95003601	O	Strawberry, juice-babyfood	2.000000	1.000	1.000
20003640	20	Sunflower, seed	0.010000	1.000	1.000
20003650	20	Sunflower, oil	0.010000	1.000	1.000
20003651	20	Sunflower, oil-babyfood	0.010000	1.000	1.000
01033660	1CD	Sweet potato	3.500000	1.000	1.000
01033661	1CD	Sweet potato-babyfood	3.500000	1.000	1.000
04023670	4B	Swiss chard	0.010000	1.000	1.000
10003690	10	Tangerine	10.000000	1.000	1.000
10003700	10	Tangerine, juice	10.000000	2.300	1.000
01033710	1CD	Tanier, corm	3.500000	1.000	1.000
08003740	8	Tomatillo	0.500000	1.000	1.0007E7234
08003750	8	Tomato	0.500000	1.000	1.0007E7234
08003751	8	Tomato-babyfood	0.500000	1.000	1.0007E7234
08003760	8	Tomato, paste	0.500000	5.400	1.0007E7234
08003761	8	Tomato, paste-babyfood	0.500000	5.400	1.0007E7234
08003770	8	Tomato, puree	0.500000	3.300	1.0007E7234
08003771	8	Tomato, puree-babyfood	0.500000	3.300	1.0007E7234
08003780	8	Tomato, dried	0.500000	14.300	1.0007E7234
08003781	8	Tomato, dried-babyfood	0.500000	14.300	1.0007E7234
08003790	8	Tomato, juice	0.500000	1.500	1.0007E7234
15003810	15	Triticale, flour	0.020000	1.000	1.000
15003811	15	Triticale, flour-babyfood	0.020000	1.000	1.000
01033870	1CD	Turmeric	3.500000	1.000	1.000
01013880	1AB	Turnip, roots	0.750000	1.000	1.0007E7234
05023890	5B	Turnip, greens	10.000000	1.000	1.000
86010000	O	Water, direct, all sources	0.081300	1.000	1.0007E7234
86020000	O	Water, indirect, all sources	0.081300	1.000	1.0007E7234
95003980	O	Watercress	7.000000	1.000	1.000
09013990	9A	Watermelon	0.450000	1.000	1.0007E7234
09014000	9A	Watermelon, juice	0.450000	1.000	1.0007E7234
15004010	15	Wheat, grain	0.020000	1.000	1.000
15004011	15	Wheat, grain-babyfood	0.020000	1.000	1.000
15004020	15	Wheat, flour	0.020000	1.000	1.000
15004021	15	Wheat, flour-babyfood	0.020000	1.000	1.000
15004030	15	Wheat, germ	0.020000	1.000	1.000
15004040	15	Wheat, bran	0.020000	1.000	1.000
15004050	15	Wild rice	0.020000	1.000	1.000
01034060	1CD	Yam, true	8.000000	1.000	1.000
01034070	1CD	Yam bean	3.500000	1.000	1.000

Attachment 2: Acute Results File

U.S. Environmental Protection Agency Ver. 2.02
DEEM-FCID ACUTE Analysis for FLUDIOXONIL (1994-98 data)
Residue file: 071503a.R98 Adjustment factor #2 NOT used.
Analysis Date: 06-17-2008/11:26:39 Residue file dated: 06-17-2008/11:23:36/8
NOEL (Acute) = 100.000000 mg/kg body-wt/day
Daily totals for food and foodform consumption used.
Run Comment: "Acute Dietary with new FY08 Section 3 Tolerances"
=====

Summary calculations (per capita):

95th Percentile			99th Percentile			99.9th Percentile		
Exposure	% aRfD	MOE	Exposure	% aRfD	MOE	Exposure	% aRfD	MOE

Females 13-49 yrs:								
0.138260	13.83	723	0.237241	23.72	421	0.416022	41.60	240

Attachment 3: Chronic Food plus Water Residue Input File

U.S. Environmental Protection Agency Ver. 2.00
DEEM-FCID Chronic analysis for FLUDIOXONIL 1994-98 data
Residue file: C:\Documents and Settings\bhanson\My Documents\Breann's
Work\ARIA\Fludioxonil\Tomato 2008\Finals\071503c.R98

Adjust. #2 NOT used
Analysis Date 06-17-2008 Residue file dated: 06-17-2008/11:25:14/8
Reference dose (RfD) = 0.03 mg/kg bw/day
Comment:Chronic Dietary with new FY08 Section 3 Tolerances

Food Crop			Residue	Adj.Factors		
Comment						
EPA Code	Grp	Food Name	(ppm)	#1	#2	
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04010050	4A	Amaranth, leafy	30.000000	1.000	1.000	
11000070	11	Apple, fruit with peel	1.100000	1.000	1.000	AR
11000080	11	Apple, peeled fruit	1.100000	1.000	1.000	AR
11000081	11	Apple, peeled fruit-babyfood	1.100000	1.000	1.000	AR
11000090	11	Apple, dried	1.100000	8.000	1.000	AR
11000091	11	Apple, dried-babyfood	1.100000	8.000	1.000	AR
11000100	11	Apple, juice	0.100000	1.000	1.000	AR
11000101	11	Apple, juice-babyfood	0.100000	1.000	1.000	AR
11000110	11	Apple, sauce	1.100000	1.000	1.000	AR
11000111	11	Apple, sauce-babyfood	1.100000	1.000	1.000	AR
12000120	12	Apricot	5.000000	1.000	1.000	
12000121	12	Apricot-babyfood	5.000000	1.000	1.000	
12000130	12	Apricot, dried	5.000000	6.000	1.000	
12000140	12	Apricot, juice	5.000000	1.000	1.000	
12000141	12	Apricot, juice-babyfood	5.000000	1.000	1.000	
01030150	1CD	Arrowroot, flour	3.500000	1.000	1.000	
7E7234						
01030151	1CD	Arrowroot, flour-babyfood	3.500000	1.000	1.000	
7E7234						
01030170	1CD	Artichoke, Jerusalem	3.500000	1.000	1.000	
7E7234						
04010180	4A	Arugula	30.000000	1.000	1.000	
95000200	O	Avocado	0.450000	1.000	1.000	
7E7234						
09020210	9B	Balsam pear	0.450000	1.000	1.000	
7E7234						
15000250	15	Barley, pearled barley	0.020000	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	0.020000	1.000	1.000	
15000260	15	Barley, flour	0.020000	1.000	1.000	
15000261	15	Barley, flour-babyfood	0.020000	1.000	1.000	
15000270	15	Barley, bran	0.020000	1.000	1.000	
19010280	19A	Basil, fresh leaves	10.000000	1.000	1.000	
19010281	19A	Basil, fresh leaves-babyfood	10.000000	1.000	1.000	
19010290	19A	Basil, dried leaves	65.000000	1.000	1.000	
19010291	19A	Basil, dried leaves-babyfood	65.000000	1.000	1.000	
06030300	6C	Bean, black, seed	0.400000	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.400000	1.000	1.000	
06030320	6C	Bean, broad, seed	0.400000	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.400000	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.400000	1.000	1.000	
06030350	6C	Bean, great northern, seed	0.400000	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.400000	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.400000	1.000	1.000	
06030380	6C	Bean, lima, seed	0.400000	1.000	1.000	
06030390	6C	Bean, mung, seed	0.400000	1.000	1.000	
06030400	6C	Bean, navy, seed	0.400000	1.000	1.000	
06030410	6C	Bean, pink, seed	0.400000	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.400000	1.000	1.000	

06010430	6A	Bean, snap, succulent	0.400000	1.000	1.000
06010431	6A	Bean, snap, succulent-babyfood	0.400000	1.000	1.000
01010500	1AB	Beet, garden, roots	0.020000	1.000	1.000
01010501	1AB	Beet, garden, roots-babyfood	0.020000	1.000	1.000
02000510	2	Beet, garden, tops	30.000000	1.000	1.000
7E7234					
01010520	1A	Beet, sugar	0.020000	1.000	1.000
01010521	1A	Beet, sugar-babyfood	0.020000	1.000	1.000
01010530	1A	Beet, sugar, molasses	0.020000	1.000	1.000
01010531	1A	Beet, sugar, molasses-babyfood	0.020000	1.000	1.000
13010550	13A	Blackberry	5.000000	1.000	1.000
13010560	13A	Blackberry, juice	5.000000	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	5.000000	1.000	1.000
13020570	13B	Blueberry	2.000000	1.000	1.000
13020571	13B	Blueberry-babyfood	2.000000	1.000	1.000
13010580	13A	Boysenberry	5.000000	1.000	1.000
05010610	5A	Broccoli	2.000000	1.000	1.000
05010611	5A	Broccoli-babyfood	2.000000	1.000	1.000
05010620	5A	Broccoli, Chinese	2.000000	1.000	1.000
05020630	5B	Broccoli raab	10.000000	1.000	1.000
05010640	5A	Brussels sprouts	2.000000	1.000	1.000
15000650	15	Buckwheat	0.020000	1.000	1.000
15000660	15	Buckwheat, flour	0.020000	1.000	1.000
01010670	1AB	Burdock	0.750000	1.000	1.000
05010690	5A	Cabbage	2.000000	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	10.000000	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	2.000000	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	2.000000	1.000	1.000
95000740	O	Canistel	0.450000	1.000	1.000
09010750	9A	Cantaloupe	0.450000	1.000	1.000
7E7234					
04020760	4B	Cardoon	0.010000	1.000	1.000
01010780	1AB	Carrot	0.750000	1.000	1.000
01010781	1AB	Carrot-babyfood	0.750000	1.000	1.000
01010790	1AB	Carrot, juice	0.750000	1.000	1.000
09010800	9A	Casaba	0.450000	1.000	1.000
7E7234					
01030820	1CD	Cassava	3.500000	1.000	1.000
7E7234					
01030821	1CD	Cassava-babyfood	3.500000	1.000	1.000
7E7234					
05010830	5A	Cauliflower	2.000000	1.000	1.000
01010840	1AB	Celeriac	0.750000	1.000	1.000
04020850	4B	Celery	0.010000	1.000	1.000
04020851	4B	Celery-babyfood	0.010000	1.000	1.000
04020860	4B	Celery, juice	0.010000	1.000	1.000
04020870	4B	Celtuce	0.010000	1.000	1.000
09020880	9B	Chayote, fruit	0.450000	1.000	1.000
7E7234					
12000900	12	Cherry	5.000000	1.000	1.000
12000901	12	Cherry-babyfood	5.000000	1.000	1.000
12000910	12	Cherry, juice	5.000000	1.500	1.000
12000911	12	Cherry, juice-babyfood	5.000000	1.500	1.000
06030980	6C	Chickpea, seed	0.400000	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.400000	1.000	1.000
06030990	6C	Chickpea, flour	0.400000	1.000	1.000
01011000	1AB	Chicory, roots	0.750000	1.000	1.000
02001010	2	Chicory, tops	30.000000	1.000	1.000
7E7234					
09021020	9B	Chinese waxgourd	0.450000	1.000	1.000
7E7234					
19011030	19A	Chive	10.000000	1.000	1.000
04011040	4A	Chrysanthemum, garland	30.000000	1.000	1.000
19021050	19B	Cinnamon	0.020000	1.000	1.000
19021051	19B	Cinnamon-babyfood	0.020000	1.000	1.000
10001060	10	Citrus citron	10.000000	1.000	1.000

10001070	10	Citrus hybrids	10.000000	1.000	1.000	
10001080	10	Citrus, oil	500.000000	1.000	1.000	
05021170	5B	Collards	10.000000	1.000	1.000	
19011180	19A	Coriander, leaves	10.000000	1.000	1.000	
19011181	19A	Coriander, leaves-babyfood	10.000000	1.000	1.000	
19021190	19B	Coriander, seed	0.020000	1.000	1.000	
19021191	19B	Coriander, seed-babyfood	0.020000	1.000	1.000	
15001200	15	Corn, field, flour	0.020000	1.000	1.000	
15001201	15	Corn, field, flour-babyfood	0.020000	1.000	1.000	
15001210	15	Corn, field, meal	0.020000	1.000	1.000	
15001211	15	Corn, field, meal-babyfood	0.020000	1.000	1.000	
15001220	15	Corn, field, bran	0.020000	1.000	1.000	
15001230	15	Corn, field, starch	0.020000	1.000	1.000	
15001231	15	Corn, field, starch-babyfood	0.020000	1.000	1.000	
15001240	15	Corn, field, syrup	0.020000	1.500	1.000	
15001241	15	Corn, field, syrup-babyfood	0.020000	1.500	1.000	
15001250	15	Corn, field, oil	0.020000	1.000	1.000	
15001251	15	Corn, field, oil-babyfood	0.020000	1.000	1.000	
15001260	15	Corn, pop	0.020000	1.000	1.000	
15001270	15	Corn, sweet	0.020000	1.000	1.000	
15001271	15	Corn, sweet-babyfood	0.020000	1.000	1.000	
95001280	O	Cottonseed, oil	0.050000	1.000	1.000	
95001281	O	Cottonseed, oil-babyfood	0.050000	1.000	1.000	
11001290	11	Crabapple	5.000000	1.000	1.000	
04011330	4A	Cress, garden	30.000000	1.000	1.000	
04011340	4A	Cress, upland	30.000000	1.000	1.000	
09021350	9B	Cucumber	0.450000	1.000	1.000	
7E7234						
13021360	13B	Currant	2.000000	1.000	1.000	
13021370	13B	Currant, dried	2.000000	1.000	1.000	
04011380	4A	Dandelion, leaves	30.000000	1.000	1.000	
01031390	1CD	Dasheen, corm	3.500000	1.000	1.000	
7E7234						
02001400	2	Dasheen, leaves	30.000000	1.000	1.000	
7E7234						
13011420	13A	Dewberry	5.000000	1.000	1.000	
19021430	19B	Dill, seed	0.020000	1.000	1.000	
19011440	19A	Dillweed	10.000000	1.000	1.000	
08001480	8	Eggplant	0.010000	1.000	1.000	
13021490	13B	Elderberry	2.000000	1.000	1.000	
04011500	4A	Endive	30.000000	1.000	1.000	
04021520	4B	Fennel, Florence	0.010000	1.000	1.000	
20001630	20	Flaxseed, oil	0.050000	1.000	1.000	
03001640	3	Garlic	0.200000	1.000	1.000	
03001650	3	Garlic, dried	0.200000	1.000	1.000	
03001651	3	Garlic, dried-babyfood	0.200000	1.000	1.000	
01031660	1CD	Ginger	3.500000	1.000	1.000	
7E7234						
01031661	1CD	Ginger-babyfood	3.500000	1.000	1.000	
7E7234						
01031670	1CD	Ginger, dried	3.500000	1.000	1.000	
7E7234						
01011680	1AB	Ginseng, dried	0.750000	1.000	1.000	
13021740	13B	Gooseberry	2.000000	1.000	1.000	
95001750	O	Grape	1.000000	1.000	1.000	
95001760	O	Grape, juice	1.000000	1.200	1.000	
95001761	O	Grape, juice-babyfood	1.000000	1.200	1.000	
95001770	O	Grape, leaves	1.000000	1.000	1.000	
95001780	O	Grape, raisin	1.000000	4.300	1.000	
95001790	O	Grape, wine and sherry	1.000000	1.000	1.000	
10001800	10	Grapefruit	2.600000	1.000	1.000	AR
10001810	10	Grapefruit, juice	0.740000	1.000	1.000	AR
06031820	6C	Guar, seed	0.400000	1.000	1.000	
06031821	6C	Guar, seed-babyfood	0.400000	1.000	1.000	
19011840	19A	Herbs, other	10.000000	1.000	1.000	
19011841	19A	Herbs, other-babyfood	10.000000	1.000	1.000	

09011870	9A	Honeydew melon	0.450000	1.000	1.000	
7E7234						
01011900	1AB	Horseradish	0.750000	1.000	1.000	
13021910	13B	Huckleberry	2.000000	1.000	1.000	
05021940	5B	Kale	10.000000	1.000	1.000	
95001950	O	Kiwifruit	20.000000	1.000	1.000	
05011960	5A	Kohlrabi	2.000000	1.000	1.000	
10001970	10	Kumquat	10.000000	1.000	1.000	
03001980	3	Leek	7.000000	1.000	1.000	
10001990	10	Lemon	1.700000	1.000	1.000	AR
10002000	10	Lemon, juice	0.020000	1.000	1.000	AR
10002001	10	Lemon, juice-babyfood	0.020000	1.000	1.000	AR
10002010	10	Lemon, peel	1.700000	1.000	1.000	AR
19012020	19A	Lemongrass	10.000000	1.000	1.000	
06032030	6C	Lentil, seed	0.010000	1.000	1.000	
04012040	4A	Lettuce, head	30.000000	1.000	1.000	
04012050	4A	Lettuce, leaf	30.000000	1.000	1.000	
10002060	10	Lime	1.700000	1.000	1.000	AR
10002070	10	Lime, juice	0.020000	1.000	1.000	AR
10002071	10	Lime, juice-babyfood	0.020000	1.000	1.000	AR
13012080	13A	Loganberry	5.000000	1.000	1.000	
95002090	O	Longan	1.000000	1.000	1.000	
11002100	11	Loquat	5.000000	1.000	1.000	
95002110	O	Lychee	1.000000	1.000	1.000	
95002120	O	Lychee, dried	1.000000	1.850	1.000	
95002150	O	Mango	0.450000	1.000	1.000	
7E7234						
95002151	O	Mango-babyfood	0.450000	1.000	1.000	
7E7234						
95002160	O	Mango, dried	0.450000	1.000	1.000	
7E7234						
95002170	O	Mango, juice	0.450000	1.000	1.000	
7E7234						
95002171	O	Mango, juice-babyfood	0.450000	1.000	1.000	
7E7234						
19012200	19A	Marjoram	10.000000	1.000	1.000	
19012201	19A	Marjoram-babyfood	10.000000	1.000	1.000	
15002260	15	Millet, grain	0.020000	1.000	1.000	
05022290	5B	Mustard greens	10.000000	1.000	1.000	
12002300	12	Nectarine	5.000000	1.000	1.000	
15002310	15	Oat, bran	0.020000	1.000	1.000	
15002320	15	Oat, flour	0.020000	1.000	1.000	
15002321	15	Oat, flour-babyfood	0.020000	1.000	1.000	
15002330	15	Oat, groats/rolled oats	0.020000	1.000	1.000	
15002331	15	Oat, groats/rolled oats-babyfood	0.020000	1.000	1.000	
08002340	8	Okra	0.010000	1.000	1.000	
03002370	3	Onion, dry bulb	0.200000	1.000	1.000	
03002371	3	Onion, dry bulb-babyfood	0.200000	1.000	1.000	
03002380	3	Onion, dry bulb, dried	0.200000	9.000	1.000	
03002381	3	Onion, dry bulb, dried-babyfood	0.200000	9.000	1.000	
03002390	3	Onion, green	7.000000	1.000	1.000	
10002400	10	Orange	1.500000	1.000	1.000	AR
10002410	10	Orange, juice	0.740000	1.000	1.000	AR
10002411	10	Orange, juice-babyfood	0.740000	1.000	1.000	AR
10002420	10	Orange, peel	1.500000	1.000	1.000	AR
95002450	O	Papaya	0.450000	1.000	1.000	
7E7234						
95002451	O	Papaya-babyfood	0.450000	1.000	1.000	
7E7234						
95002460	O	Papaya, dried	0.450000	1.800	1.000	
7E7234						
95002470	O	Papaya, juice	0.450000	1.500	1.000	
7E7234						
04012480	4A	Parsley, leaves	30.000000	1.000	1.000	
19012490	19A	Parsley, dried leaves	65.000000	1.000	1.000	
19012491	19A	Parsley, dried leaves-babyfood	65.000000	1.000	1.000	

01012500	1AB	Parsley, turnip rooted	0.750000	1.000	1.000	
01012510	1AB	Parsnip	0.750000	1.000	1.000	
01012511	1AB	Parsnip-babyfood	0.750000	1.000	1.000	
06022550	6B	Pea, succulent	0.010000	1.000	1.000	
06022551	6B	Pea, succulent-babyfood	0.010000	1.000	1.000	
06032560	6C	Pea, dry	0.010000	1.000	1.000	
06032561	6C	Pea, dry-babyfood	0.010000	1.000	1.000	
06012570	6A	Pea, edible podded, succulent	0.010000	1.000	1.000	
06032580	6C	Pea, pigeon, seed	0.010000	1.000	1.000	
06022590	6B	Pea, pigeon, succulent	0.010000	1.000	1.000	
12002600	12	Peach	5.000000	1.000	1.000	
12002601	12	Peach-babyfood	5.000000	1.000	1.000	
12002610	12	Peach, dried	5.000000	7.000	1.000	
12002611	12	Peach, dried-babyfood	5.000000	7.000	1.000	
12002620	12	Peach, juice	5.000000	1.000	1.000	
12002621	12	Peach, juice-babyfood	5.000000	1.000	1.000	
95002630	O	Peanut	0.010000	1.000	1.000	
95002640	O	Peanut, butter	0.010000	1.890	1.000	
95002650	O	Peanut, oil	0.010000	1.000	1.000	
11002660	11	Pear	1.600000	1.000	1.000	AR
11002661	11	Pear-babyfood	1.600000	1.000	1.000	AR
11002670	11	Pear, dried	1.600000	6.250	1.000	AR
11002680	11	Pear, juice	1.600000	1.000	1.000	AR
11002681	11	Pear, juice-babyfood	1.600000	1.000	1.000	AR
08002700	8	Pepper, bell	0.010000	1.000	1.000	
08002701	8	Pepper, bell-babyfood	0.010000	1.000	1.000	
08002710	8	Pepper, bell, dried	0.010000	1.000	1.000	
08002711	8	Pepper, bell, dried-babyfood	0.010000	1.000	1.000	
08002720	8	Pepper, nonbell	0.010000	1.000	1.000	
08002721	8	Pepper, nonbell-babyfood	0.010000	1.000	1.000	
08002730	8	Pepper, nonbell, dried	0.010000	1.000	1.000	
19022740	19B	Pepper, black and white	0.020000	1.000	1.000	
19022741	19B	Pepper, black and white-babyfood	0.020000	1.000	1.000	
14002820	14	Pistachio	0.100000	1.000	1.000	
12002850	12	Plum	5.000000	1.000	1.000	
12002851	12	Plum-babyfood	5.000000	1.000	1.000	
12002860	12	Plum, prune, fresh	5.000000	1.000	1.000	
12002861	12	Plum, prune, fresh-babyfood	5.000000	1.000	1.000	
12002870	12	Plum, prune, dried	5.000000	5.000	1.000	
12002871	12	Plum, prune, dried-babyfood	5.000000	5.000	1.000	
12002880	12	Plum, prune, juice	5.000000	1.400	1.000	
12002881	12	Plum, prune, juice-babyfood	5.000000	1.400	1.000	
95002890	O	Pomegranate	5.000000	1.000	1.000	
Sectio						
Full comment: Section 18 tolerance						
01032960	1C	Potato, chips	0.020000	1.000	1.000	
01032970	1C	Potato, dry (granules/ flakes)	0.020000	6.500	1.000	
01032971	1C	Potato, dry (granules/ flakes)-b	0.020000	6.500	1.000	
01032980	1C	Potato, flour	0.020000	1.000	1.000	
01032981	1C	Potato, flour-babyfood	0.020000	1.000	1.000	
01032990	1C	Potato, tuber, w/peel	0.020000	1.000	1.000	
01032991	1C	Potato, tuber, w/peel-babyfood	0.020000	1.000	1.000	
01033000	1C	Potato, tuber, w/o peel	0.020000	1.000	1.000	
01033001	1C	Potato, tuber, w/o peel-babyfood	0.020000	1.000	1.000	
10003070	10	Pummelo	10.000000	1.000	1.000	
09023080	9B	Pumpkin	0.450000	1.000	1.000	
7E7234						
09023090	9B	Pumpkin, seed	0.450000	1.000	1.000	
7E7234						
11003100	11	Quince	5.000000	1.000	1.000	
04013130	4A	Radicchio	30.000000	1.000	1.000	
01013140	1AB	Radish, roots	0.750000	1.000	1.000	
02003150	2	Radish, tops	30.000000	1.000	1.000	
7E7234						
01013160	1AB	Radish, Oriental, roots	0.750000	1.000	1.000	

02003170	2	Radish, Oriental, tops	30.000000	1.000	1.000	
7E7234						
05023180	5B	Rape greens	10.000000	1.000	1.000	
20003190	20	Rapeseed, oil	0.010000	1.000	1.000	
20003191	20	Rapeseed, oil-babyfood	0.010000	1.000	1.000	
13013200	13A	Raspberry	5.000000	1.000	1.000	
13013201	13A	Raspberry-babyfood	5.000000	1.000	1.000	
13013210	13A	Raspberry, juice	5.000000	1.000	1.000	
13013211	13A	Raspberry, juice-babyfood	5.000000	1.000	1.000	
04023220	4B	Rhubarb	0.010000	1.000	1.000	
15003230	15	Rice, white	0.020000	1.000	1.000	
15003231	15	Rice, white-babyfood	0.020000	1.000	1.000	
15003240	15	Rice, brown	0.020000	1.000	1.000	
15003241	15	Rice, brown-babyfood	0.020000	1.000	1.000	
15003250	15	Rice, flour	0.020000	1.000	1.000	
15003251	15	Rice, flour-babyfood	0.020000	1.000	1.000	
15003260	15	Rice, bran	0.020000	1.000	1.000	
15003261	15	Rice, bran-babyfood	0.020000	1.000	1.000	
01013270	1AB	Rutabaga	0.750000	1.000	1.000	
15003280	15	Rye, grain	0.020000	1.000	1.000	
15003290	15	Rye, flour	0.020000	1.000	1.000	
20003300	20	Safflower, oil	0.010000	1.000	1.000	
20003301	20	Safflower, oil-babyfood	0.010000	1.000	1.000	
01013310	1AB	Salsify, roots	0.750000	1.000	1.000	
02003320	2	Salsify, tops	30.000000	1.000	1.000	
7E7234						
95003330	0	Sapote, Mamey	0.450000	1.000	1.000	
19013340	19A	Savory	10.000000	1.000	1.000	
03003380	3	Shallot	0.020000	1.000	1.000	
15003440	15	Sorghum, grain	0.020000	1.000	1.000	
15003450	15	Sorghum, syrup	0.020000	1.000	1.000	
06003470	6	Soybean, seed	0.010000	1.000	1.000	
06003480	6	Soybean, flour	0.010000	1.000	1.000	
06003481	6	Soybean, flour-babyfood	0.010000	1.000	1.000	
06003490	6	Soybean, soy milk	0.010000	1.000	1.000	
06003491	6	Soybean, soy milk-babyfood or in	0.010000	1.000	1.000	
06003500	6	Soybean, oil	0.010000	1.000	1.000	
06003501	6	Soybean, oil-babyfood	0.010000	1.000	1.000	
95003510	0	Spanish lime	1.000000	1.000	1.000	
19023540	19B	Spices, other	0.020000	1.000	1.000	
19023541	19B	Spices, other-babyfood	0.020000	1.000	1.000	
04013550	4A	Spinach	0.010000	1.000	1.000	
04013551	4A	Spinach-babyfood	0.010000	1.000	1.000	
09023560	9B	Squash, summer	0.450000	1.000	1.000	
7E7234						
09023561	9B	Squash, summer-babyfood	0.450000	1.000	1.000	
7E7234						
09023570	9B	Squash, winter	0.450000	1.000	1.000	
7E7234						
09023571	9B	Squash, winter-babyfood	0.450000	1.000	1.000	
7E7234						
95003580	0	Starfruit	10.000000	1.000	1.000	PP#
07						
		Full comment: PP# 07L05				
95003590	0	Strawberry	2.000000	1.000	1.000	
95003591	0	Strawberry-babyfood	2.000000	1.000	1.000	
95003600	0	Strawberry, juice	2.000000	1.000	1.000	
95003601	0	Strawberry, juice-babyfood	2.000000	1.000	1.000	
20003640	20	Sunflower, seed	0.010000	1.000	1.000	
20003650	20	Sunflower, oil	0.010000	1.000	1.000	
20003651	20	Sunflower, oil-babyfood	0.010000	1.000	1.000	
01033660	1CD	Sweet potato	3.500000	1.000	1.000	
7E7234						
01033661	1CD	Sweet potato-babyfood	3.500000	1.000	1.000	
7E7234						
04023670	4B	Swiss chard	0.010000	1.000	1.000	

10003690	10	Tangerine	1.500000	1.000	1.000	AR
10003700	10	Tangerine, juice	0.740000	1.000	1.000	AR
01033710	1CD	Tanier, corm	3.500000	1.000	1.000	
7E7234						
08003740	8	Tomatillo	0.500000	1.000	1.000	
7E7234						
08003750	8	Tomato	0.500000	1.000	1.000	
7E7234						
08003751	8	Tomato-babyfood	0.500000	1.000	1.000	
7E7234						
08003760	8	Tomato, paste	0.500000	1.000	1.000	
7E7234						
08003761	8	Tomato, paste-babyfood	0.500000	1.000	1.000	
7E7234						
08003770	8	Tomato, puree	0.500000	1.000	1.000	
7E7234						
08003771	8	Tomato, puree-babyfood	0.500000	1.000	1.000	
7E7234						
08003780	8	Tomato, dried	0.500000	1.000	1.000	
7E7234						
08003781	8	Tomato, dried-babyfood	0.500000	1.000	1.000	
7E7234						
08003790	8	Tomato, juice	0.500000	1.000	1.000	
7E7234						
15003810	15	Triticale, flour	0.020000	1.000	1.000	
15003811	15	Triticale, flour-babyfood	0.020000	1.000	1.000	
01033870	1CD	Turmeric	3.500000	1.000	1.000	
7E7234						
01013880	1AB	Turnip, roots	0.750000	1.000	1.000	
05023890	5B	Turnip, greens	10.000000	1.000	1.000	
86010000	O	Water, direct, all sources	0.037400	1.000	1.000	
7E7234						
86020000	O	Water, indirect, all sources	0.037400	1.000	1.000	
7E7234						
95003980	O	Watercress	7.000000	1.000	1.000	
09013990	9A	Watermelon	0.450000	1.000	1.000	
7E7234						
09014000	9A	Watermelon, juice	0.450000	1.000	1.000	
7E7234						
15004010	15	Wheat, grain	0.020000	1.000	1.000	
15004011	15	Wheat, grain-babyfood	0.020000	1.000	1.000	
15004020	15	Wheat, flour	0.020000	1.000	1.000	
15004021	15	Wheat, flour-babyfood	0.020000	1.000	1.000	
15004030	15	Wheat, germ	0.020000	1.000	1.000	
15004040	15	Wheat, bran	0.020000	1.000	1.000	
15004050	15	Wild rice	0.020000	1.000	1.000	
01034060	1CD	Yam, true	8.000000	1.000	1.000	
7E7234						
01034070	1CD	Yam bean	3.500000	1.000	1.000	
7E7234						

Attachment 4: Chronic Results File

U.S. Environmental Protection Agency Ver. 2.00
 DEEM-FCID Chronic analysis for FLUDIOXONIL (1994-98 data)
 Residue file name: C:\Documents and Settings\bhanson\My Documents\Breann's
 Work\ARIA\Fludioxonil\Tomato 2008\Finals\071503c.R98
 Adjustment factor #2 NOT used.
 Analysis Date 06-17-2008/11:29:06 Residue file dated: 06-17-2008/11:25:14/8
 Reference dose (RfD, Chronic) = .03 mg/kg bw/day
 COMMENT 1: Chronic Dietary with new FY08 Section 3 Tolerances

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 Total exposure by population subgroup
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Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of Rfd
U.S. Population (total)	0.014371	47.9%
U.S. Population (spring season)	0.014827	49.4%
U.S. Population (summer season)	0.014657	48.9%
U.S. Population (autumn season)	0.013965	46.6%
U.S. Population (winter season)	0.014045	46.8%
Northeast region	0.014996	50.0%
Midwest region	0.014561	48.5%
Southern region	0.012742	42.5%
Western region	0.016191	54.0%
Hispanics	0.014637	48.8%
Non-hispanic whites	0.014539	48.5%
Non-hispanic blacks	0.012110	40.4%
Non-hisp/non-white/non-black	0.017429	58.1%
All infants (< 1 year)	0.019681	65.6%
Nursing infants	0.011624	38.7%
Non-nursing infants	0.022740	75.8%
Children 1-6 yrs	0.023380	77.9%
Children 7-12 yrs	0.015586	52.0%
Females 13-19 (not preg or nursing)	0.011749	39.2%
Females 20+ (not preg or nursing)	0.014107	47.0%
Females 13-50 yrs	0.013861	46.2%
Females 13+ (preg/not nursing)	0.013846	46.2%
Females 13+ (nursing)	0.016045	53.5%
Males 13-19 yrs	0.011506	38.4%
Males 20+ yrs	0.012383	41.3%
Seniors 55+	0.013533	45.1%
Children 1-2 yrs	0.026439	88.1%
Children 3-5 yrs	0.022796	76.0%
Children 6-12 yrs	0.016108	53.7%
Youth 13-19 yrs	0.011689	39.0%
Adults 20-49 yrs	0.013123	43.7%
Adults 50+ yrs	0.013566	45.2%
Females 13-49 yrs	0.013593	45.3%