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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MEMORANDUM

Date: 27 March 2008

Subject: Dietary Exposure Assessments for the Common Triazole Metabolites 1,2,4-Triazole, Triazolylalanine, Triazolylacetic Acid, and Triazolylpyruvic Acid; Updated to Include New Uses of Fenbuconazole, Ipconazole, Metconazole, Tebuconazole, and Uniconazole; and a Change in Plant-back Restriction for Tetraconazole.

DP Numbers: 350314, 350315, 350322, 350323, 350738, 350992

PC Code: 600074 (1,2,4-Triazole), 600011 (Triazolylalanine),
600082 (Triazolylacetic Acid), 625618 (Triazolylpyruvic Acid)

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Background

In February 2006, the HED issued aggregate risk assessments to address the common triazole metabolites 1,2,4-triazole (T), triazolylalanine (TA), and triazolylacetic acid (TAA). Those assessments included all triazole-derivative fungicide compounds and use requests that had been submitted to the Office of Pesticide Programs (OPP) as of 1 September 2005. Recently, OPP updated the triazole metabolite assessments to include new uses of myclobutanil (113961) (W. Cutchin, D347252, 12/19/07). This memorandum further updates the triazole metabolite dietary assessments to address petitions received by OPP for uses of fenbuconazole (PC Code 129011), ipconazole (PC Code 125618), metconazole (PC Code 125619), tebuconazole (PC Code 128997), and uniconazole (PC Code 128676) and a requested revision to the plant-back interval for tetraconazole.

Executive Summary

Acute and chronic aggregate dietary (food and drinking water) exposure and risk assessments were conducted using the Dietary Exposure Evaluation Model DEEM-FCID™, Version 2.03 which use food consumption data from the 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 Section 3 requests for the subject-listed fungicides.

Four assessments were conducted: acute and chronic durations for T, and acute and chronic durations for combined residues of TA, TAA, and triazolylpyruvic acid (TP). Residue chemistry databases for most of the subject-listed parent compounds do not include residue measurements for the triazole metabolites; therefore, metabolite residues have been estimated based on metabolism studies and parent compound tolerances. As with the previous triazole metabolite assessments, this assessment includes exposure estimates resulting from direct consumption of T, TA, TAA, and/or TP as well as exposure resulting from consumption of parent fungicides followed by *in vivo* conversion to the metabolites. For each food form in the acute assessment, the residue used is the maximum estimate from the various food/triazole fungicide combinations combined with the average indirect residue estimate. For the chronic assessments, the residue estimates are the average residue from the food-specific food/triazole combinations combined with the average indirect residue estimates. All four assessments assume 100% crop treated and include conservative estimates for residues of the metabolites in drinking water. The resulting exposure and risk estimates are based on health-protective assumptions and should be characterized as conservative.

For all four analyses, risk estimates are below HED's level of concern for all population subgroups. There are no dietary exposure considerations for the common triazole metabolites that would preclude granting the registration requests.

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 point of departure (POD, NOAEL, LOAEL, e.g.) divided by the required uncertainty or 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. 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-JUN-2000, web link: <http://www.epa.gov/fedrgstr/EPA-PEST/2000/July/Day-12/6061.pdf>; or see SOP 99.6 (20-AUG-1999).

The most recent dietary risk assessment for the triazole metabolites was conducted by W. Cutchin (D347252, 12/19/07).

II. Residue Information

These dietary assessments include all of the uses addressed in the February 2006 assessment, previous updates to the assessments for difenoconazole (D341303 and D344298, M. Sahafeyan, 10/30/07) and myclobutanil (D347253, W. Cutchin, 12/19/07), use of other triazoles whose use would not result in metabolite residue estimates that are greater than those used in previous assessments (e.g., cyproconazole, prothioconazole), and the new uses summarized in Table 1.

Compound	Use	Tolerance, ppm	T Update Status	TA/TAA/TP Update Status
Fenbuconazole	Peppers	0.4	No update required [§]	No update required [§]
Iaconazole	Cereal grains except rice	0.01	No update required [§]	No update required [§]
	Cotton	0.01	No update required [§]	No update required [§]
	Pea and Bean (Subgroup 6-C)	0.01	No update required [§]	No update required [§]
	Peanut	0.01	No update required [§]	No update required [§]
	Soybean	0.01	No update required [§]	No update required [§]
	Metconazole	Peanut	0.04	No update required [§]
	Small Grains	2.5 [*]	No update required [§]	Assessment updated
	Soybean	0.05	No update required [§]	Assessment updated
	Stone Fruit (Group 12)	0.2	Assessment updated [‡]	No update required [§]
	Sugarbeet	0.07	No update required [§]	No update required [§]
	Tree Nuts (Group 14)	0.02	Assessment updated	No update required [§]
	Tebuconazole	Beet (garden), root	0.7	Assessment updated
	Brassica Veg. (Subgroup 5B)	2.5	Assessment updated	Assessment updated
	Bulb Veg. (Subgroup 3A) [†]	0.1	No update required [§]	No update required [§]
	Bulb Veg. (Subgroup 3B) [†]	1.3	Assessment updated	Assessment updated
	Uniconazole	Fruiting Veg. (Group 8)	0.01	No update required [§]
Tetraconazole	Shorter plant-back interval	N/A [‡]	Assessment updated	Assessment updated

[§] Residue estimates from the previous assessment are unchanged or greater than those that result once this compound/use combination is included in the calculation of anticipated residues.

^{*} HED's recommended tolerances vary for this group. The maximum value is 2.5 ppm for barley; other entries are 0.25 ppm for oat, 0.25 ppm for rye, and 0.15 ppm for wheat.

[‡] The assessment was updated for stone fruit except cherry.

[†] At this time, Crop Group 3 has not been subdivided into Subgroups 3A and 3B. Group 3B includes green onion, leek, and shallot.

[‡] The requested change in the plant-back restriction may result in residues of conjugated triazole metabolites in sugarcane. Residues of TA are not expected to exceed 0.17 ppm based on rotational crop data.

The residue estimates, after considering the subject-listed compounds, are summarized in Table 2 for only the affected crops (i.e., cotton is not included in Table 2 since anticipated residues do not indicate that a new assessment is needed based on the new ipconazole use on cotton). These assessments have considered dietary exposure to the triazole metabolites due to the direct consumption of metabolite residues in foods. In addition, indirect exposure resulting from ingestion of parent triazole-derivative fungicides and the subsequent *in vivo* conversion of parent compound to T and/or TA/TAA/TP has been included. As with previous assessments, maximum direct exposure estimates and average indirect exposure estimates were combined to assess acute risks, and average direct and indirect exposure estimates were combined to assess chronic risks. An assumption of 100% crop treated was made for both the free triazole and the conjugated triazole assessments, and both assessments used DEEM 7.81 default processing factors for processed commodities.

Food Form	Direct Exposure Estimate, ppm		Indirect Exposure Estimate, ppm	Residue Estimate, ppm	
	Maximum	Average	Average	Acute ¹	Chronic ²
1,2,4-Triazole					
Bulb Veg. (Group 3B)	0.0583	0.0199	0.0053	0.0174	0.0136
Brassica Veg. (Group 5B)	0.1122	0.0568	0.0155	0.1277	0.0723
Garden Beet	0.0314	0.0314	0.0085	0.0399	0.0399
Peanut	0.0081	0.0030	0.0022	0.0103	0.0052
Stone Fruit (Group 12)	0.0957	0.0543	0.0227	0.1184	0.0770
Tree Nuts (Group 14)	0.0040	0.0027	0.0028	0.0068	0.0055
Triazolylalanine + Triazolylacetic Acid + Triazolylpyruvic Acid					
Small Grain – Barley	1.2195	0.1587	0.1587	1.3782	0.3174
Small Grain – Oat	0.4878	0.0921	0.0921	0.5799	0.1842
Small Grain – Rye	0.1220	0.0430	0.0430	0.1650	0.0860
Small Grain – Wheat	0.0732	0.0305	0.0305	0.1037	0.0610
Bulb Veg. (Group 3B)	0.6588	0.3978	0.3978	1.0577	0.7956
Brassica Veg. (Group 5B)	1.2670	0.6416	0.6416	1.9086	1.2832
Garden Beet	0.3548	0.3548	0.3548	0.7096	0.7096

¹ Acute = Maximum Direct Exposure Estimate + Average Indirect Exposure Estimate

² Chronic = Average Direct Exposure Estimate + Average Indirect Exposure Estimate

III. Drinking Water Data

Residues of 1,2,4-triazole in drinking water were provided to HED by the Environmental Fate and Effects Division (I. Maher, DP 320682). Due to the inter-conversion between 1,2,4-triazole, triazole alanine, and triazole acetic acid that may occur in the environment, the residue estimates used in these assessments are a summation of all three residues and, therefore, represent an overestimate of actual concentrations of 1,2,4-triazole in drinking water. The Tier II PRZM/EXAMS (surface water) and SCIGROW (groundwater) residue estimates are summarized in Table 3. HED notes that there were no detects of 1,2,4-triazole in any of the 271 water samples analyzed by PDP, with a limit of quantification of 730 parts-per-trillion (0.73 ppb).

Exposure Duration	Surface Water Concentration, ppm	Groundwater Concentration, ppm
Acute	0.041	0.001
Chronic	0.011	0.001

IV. DEEM-FCID™ Program and Consumption Information

Triazole metabolite 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

1,2,4-Triazole is a common metabolite of many triazole-derivative fungicides. As a metabolite, there are no data requirements, *per se*, for this compound. Nevertheless, a significant amount of toxicological data is available and has been reviewed by HED. The following summary table (Table 3) shows the doses selected for assessing dietary exposure and their associated endpoints. Data are insufficient at this time to assign a cancer classification to 1,2,4-triazole. Available data indicate that cancers associated with 1,2,4-triazole are likely to be a threshold effect and that a Q_1^* approach is not appropriate. An RfD-approach for assessing cancer has been recommended. As such, the chronic exposure assessment is considered to be protective of any potential cancer-related effects.

Exposure/Scenario	Point of Departure	Uncertainty/FQPA Safety Factors	RfD, PAD, Level of Concern	Study and Toxicological Effects
Acute Dietary (females 13-49)	NOAEL = 30 mg/kg UF=1000 Acute RfD= 0.03 mg/kg	FQPA SF = 1	aPAD = $\frac{\text{acute RfD}}{\text{FQPA SF}}$ = 0.03 mg/kg/day	Developmental Toxicity study in rabbits LOAEL=45 mg/kg based on urinary tract malformations in fetuses
Acute Dietary (general population)	NOAEL = 30 mg/kg UF=1000 Acute RfD= 0.03 mg/kg	FQPA SF = 1	aPAD = $\frac{\text{acute RfD}}{\text{FQPA SF}}$ = 0.03 mg/kg/day	Developmental Toxicity study in rabbits LOAEL=45 mg/kg based on clinical signs and mortality in does starting on Gestation Day 6 or 7
Chronic Dietary (all populations)	LOAEL = 15 mg/kg/day UF =3000 Chronic RfD = 0.005 mg/kg/day	FQPA SF =1	cPAD = $\frac{\text{chronic RfD}}{\text{FQPA SF}}$ =0.005 mg/kg/day	Reproductive Toxicity study in rats LOAEL = 15 based on decreased body weight in adult males and on decreased body weight and brain weight in offspring
Cancer	Insufficient data for a cancer classification. Based on the available information, HED believes that an RfD approach is appropriate and that the cPAD is sufficient to assess cancer risk.			

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 data (i.e., lack of a critical study). FQPA SF = FQPA Safety Factor. PAD = population adjusted dose (a = acute, c = chronic). RfD = reference dose. MOE = margin of exposure. LOC = level of concern. N/A = not applicable.

The conjugated triazole metabolites (e.g., triazolylalanine, triazolylacetic acid, triazolylpyruvic acid) are common metabolite of many triazole-derivative fungicides. As a metabolite, there are no data requirements, *per se*, for this compound. Nevertheless, a significant amount of toxicological data is available and has been reviewed by HED. The following summary table (Table 3) shows the doses selected for assessing dietary exposure and their associated endpoints.

Data are insufficient at this time to assign a cancer classification to the conjugated metabolites. Available data indicate that cancers associated with these compounds are likely to be a threshold effect and that a Q_1^* approach is not appropriate. An RfD-approach for assessing cancer has been recommended. As such, the chronic exposure assessment is considered to be protective of any potential cancer-related effects.

Exposure/Scenario	Point of Departure	Uncertainty/FQPA Safety Factors	RfD, PAD, Level of Concern	Study and Toxicological Effects
Acute Dietary (females 13-49)	NOAEL = 100 mg/kg UF=1000 Acute RfD= 0.1 mg/kg	FQPA SF = 1	aPAD = $\frac{\text{acute RfD}}{\text{FQPA SF}}$ = 0.1 mg/kg/day	Developmental Toxicity study in rabbits LOAEL=45 mg/kg based on urinary tract malformations in fetuses
Acute Dietary (general population)	None	None	None	No appropriate dose and endpoint could be identified for this population group.
Chronic Dietary (all populations)	LOAEL = 90 mg/kg/day UF = 1000 Chronic RfD = 0.09 mg/kg/day	FQPA SF = 1	cPAD = $\frac{\text{chronic RfD}}{\text{FQPA SF}}$ = 0.09 mg/kg/day	Reproductive Toxicity study in rats LOAEL = 15 based on decreased body weight in adult males and on decreased body weight and brain weight in offspring
Cancer	Insufficient data for a cancer classification. Based on the available information, HED believes that an RfD approach is appropriate and that the cPAD is sufficient to assess cancer risk.			

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 data (i.e., lack of a critical study). FQPA SF = FQPA Safety Factor. PAD = population adjusted dose (a = acute, c = chronic). RfD = reference dose. MOE = margin of exposure. LOC = level of concern. N/A = not applicable.

VI. Results/Discussion

As stated above, for acute and chronic assessments, HED 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 Tables 4 and 5 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. Cancer risk is determined for the general U.S. population only.

Acute and chronic dietary exposure estimates are below HED's level of concern for all population subgroups, including those of infants and children, for both 1,2,4-triazole as well as the conjugated triazole metabolites.

Table 4. Summary of Dietary (Food and Drinking Water) Exposure and Risk for the Common Triazole Metabolites								
Population Subgroup	Acute Dietary (95 th Percentile)		Chronic Dietary		Cancer			
	Dietary Exposure (mg/kg/day)	% aPAD*	Dietary Exposure (mg/kg/day)	% cPAD*	Dietary Exposure (mg/kg/day)	Risk		
1,2,4-Triazole								
General U.S. Population	0.003927	13	0.000884	18	Not Applicable	Not Applicable		
All Infants (< 1 year old)	0.009308	31	0.001616	32				
Children 1-2 years old	0.007684	26	0.002168	43				
Children 3-5 years old	0.006180	21	0.001726	35				
Children 6-12 years old	0.004147	14	0.001088	22				
Youth 13-19 years old	0.002985	10	0.000728	15				
Adults 20-49 years old	0.003247	11	0.000760	15				
Adults 50+ years old	0.002930	10	0.000727	15				
Females 13-49 years old	0.003268	11	0.000750	15				
Triazolylalanine + Triazolylacetic Acid + Triazolylpyruvic Acid								
General U.S. Population	Not Applicable	Not Applicable	0.008085	9.0	Not Applicable	Not Applicable		
All Infants (< 1 year old)			0.014844	17				
Children 1-2 years old			0.022241	25				
Children 3-5 years old			0.018210	20				
Children 6-12 years old			0.011400	13				
Youth 13-19 years old			0.007263	8.1				
Adults 20-49 years old			0.006547	7.3				
Adults 50+ years old			0.005770	6.4				
Females 13-49 years old			0.028598	29			0.006407	7.1

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

VII. Characterization of Inputs/Outputs

Although these dietary exposure assessments are principally based on anticipated residues, the data, selection criteria, and assumptions that serve as the source of those residues are conservative in nature. Most residue estimates used in the assessments are derived from tolerance-level residues and it was assumed that 100% of foods with a triazole-derivative-fungicide tolerance have residues of the triazole metabolites. Overall, this assessment is considered to be conservative and likely overestimates actual direct and indirect dietary exposure to the triazole metabolites.

VIII. Conclusions

Based on conservative estimates of direct and indirect dietary exposure, acute and chronic risk estimates for the general U.S. population and all representative population subgroups, including those of infants and children, are well below HED's level of concern for both 1,2,4-triazole and the conjugated triazole metabolites. There are no dietary exposure considerations for the common triazole metabolites that would preclude granting the requested uses of the triazole fungicides fenbuconazole, ipconazole, metconazole, tebuconazole, and uniconazole.

IX. List of Attachments

Attachment 1. Residue inputs and assumptions used in the acute assessment of free triazole.

Attachment 2. Residue inputs and assumptions used in the acute assessment of the conjugated triazole metabolites.

Attachment 3. Residue inputs and assumptions used in the chronic assessment of free triazole.

Attachment 4. Residue inputs and assumptions used in the chronic assessment of the conjugated triazole metabolites.

Attachment 5. Summary of the results of the acute assessment of free triazole.

Attachment 6. Summary of the results of the acute assessment of the conjugated triazole metabolites.

Attachment 7. Summary of the results of the chronic assessment of free triazole.

Attachment 8. Summary of the results of the chronic assessment of the conjugated triazole metabolites.

Attachment 1. Residue inputs and assumptions used in the acute assessment of free triazole.

Filename: C:\Documents and Settings\mdoherty\My Documents\Chemistry Reviews\DEEM

Runs\Triazoles\Triazole-Acute-3-08.R98

Chemical: 1,2,4-Triazole

RfD(Chronic): .005 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day

RfD(Acute): .03 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day

Date created/last modified: 03-07-2008/19:19:06/8 Program ver. 2.03

Comment: RfDs are PADs. aPAD for Females 13-49, Infants, and children = 0.03 mg/kg/day

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj. Factors		Comment
				#1	#2	
14000030	14	Almond	0.018600	1.000	1.000	
14000031	14	Almond-babyfood	0.018600	1.000	1.000	
14000040	14	Almond, oil	0.018600	1.000	1.000	
14000041	14	Almond, oil-babyfood	0.018600	1.000	1.000	
04010050	4A	Amaranth, leafy	0.645800	1.000	1.000	
11000070	11	Apple, fruit with peel	0.028000	1.000	1.000	
11000080	11	Apple, peeled fruit	0.028000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	0.028000	1.000	1.000	
11000090	11	Apple, dried	0.028000	8.000	1.000	
11000091	11	Apple, dried-babyfood	0.028000	8.000	1.000	
11000100	11	Apple, juice	0.028000	1.300	1.000	
11000101	11	Apple, juice-babyfood	0.028000	1.300	1.000	
11000110	11	Apple, sauce	0.028000	1.000	1.000	
11000111	11	Apple, sauce-babyfood	0.028000	1.000	1.000	
12000120	12	Apricot	0.118400	1.000	1.000	
12000121	12	Apricot-babyfood	0.118400	1.000	1.000	
12000130	12	Apricot, dried	0.118400	6.000	1.000	
12000140	12	Apricot, juice	0.118400	1.000	1.000	
12000141	12	Apricot, juice-babyfood	0.118400	1.000	1.000	
01030150	1CD	Arrowroot, flour	0.001900	1.000	1.000	
01030151	1CD	Arrowroot, flour-babyfood	0.001900	1.000	1.000	
95000160	O	Artichoke, globe	0.075300	1.000	1.000	
01030170	1CD	Artichoke, Jerusalem	0.001900	1.000	1.000	
04010180	4A	Arugula	0.645800	1.000	1.000	
95000190	O	Asparagus	0.009900	1.000	1.000	
09020210	9B	Balsam pear	0.012600	1.000	1.000	
95000230	O	Banana	0.023800	1.000	1.000	
95000231	O	Banana-babyfood	0.023800	1.000	1.000	
95000240	O	Banana, dried	0.023800	3.900	1.000	
95000241	O	Banana, dried-babyfood	0.023800	3.900	1.000	
15000250	15	Barley, pearled barley	0.005400	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	0.005400	1.000	1.000	
15000260	15	Barley, flour	0.005400	1.000	1.000	
15000261	15	Barley, flour-babyfood	0.005400	1.000	1.000	
15000270	15	Barley, bran	0.005400	1.000	1.000	
06030300	6C	Bean, black, seed	0.023000	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.056800	1.000	1.000	
06030320	6C	Bean, broad, seed	0.023000	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.056800	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.023000	1.000	1.000	
06030350	6C	Bean, great northern, seed	0.023000	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.023000	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.056800	1.000	1.000	
06030380	6C	Bean, lima, seed	0.023000	1.000	1.000	
06030390	6C	Bean, mung, seed	0.023000	1.000	1.000	
06030400	6C	Bean, navy, seed	0.023000	1.000	1.000	
06030410	6C	Bean, pink, seed	0.023000	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.023000	1.000	1.000	
06010430	6A	Bean, snap, succulent	0.056800	1.000	1.000	
06010431	6A	Bean, snap, succulent-babyfood	0.056800	1.000	1.000	
21000440	M	Beef, meat	0.064400	1.000	1.000	
21000441	M	Beef, meat-babyfood	0.064400	1.000	1.000	
21000450	M	Beef, meat, dried	0.064400	1.920	1.000	
21000460	M	Beef, meat byproducts	0.064400	1.000	1.000	
21000461	M	Beef, meat byproducts-babyfood	0.064400	1.000	1.000	
21000470	M	Beef, fat	0.064400	1.000	1.000	
21000471	M	Beef, fat-babyfood	0.064400	1.000	1.000	

21000480	M	Beef, kidney	0.067500	1.000	1.000
21000490	M	Beef, liver	0.683400	1.000	1.000
21000491	M	Beef, liver-babyfood	0.683400	1.000	1.000
01010500	1AB	Beet, garden, roots	0.039900	1.000	1.000
01010501	1AB	Beet, garden, roots-babyfood	0.039900	1.000	1.000
02000510	2	Beet, garden, tops	0.002100	1.000	1.000
01010520	1A	Beet, sugar	0.016000	1.000	1.000
01010521	1A	Beet, sugar-babyfood	0.016000	1.000	1.000
01010530	1A	Beet, sugar, molasses	0.135000	1.000	1.000
01010531	1A	Beet, sugar, molasses-babyfood	0.135000	1.000	1.000
13010550	13A	Blackberry	0.149500	1.000	1.000
13010560	13A	Blackberry, juice	0.149500	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	0.149500	1.000	1.000
13020570	13B	Blueberry	0.046200	1.000	1.000
13020571	13B	Blueberry-babyfood	0.046200	1.000	1.000
13010580	13A	Boysenberry	0.149500	1.000	1.000
14000590	14	Brazil nut	0.006800	1.000	1.000
05010610	5A	Broccoli	0.002100	1.000	1.000
05010611	5A	Broccoli-babyfood	0.002100	1.000	1.000
05010620	5A	Broccoli, Chinese	0.002100	1.000	1.000
05020630	5B	Broccoli raab	0.127700	1.000	1.000
05010640	5A	Brussels sprouts	0.002100	1.000	1.000
15000650	15	Buckwheat	0.045600	1.000	1.000
15000660	15	Buckwheat, flour	0.045600	1.000	1.000
01010670	1AB	Burdock	0.002100	1.000	1.000
14000680	14	Butternut	0.006800	1.000	1.000
05010690	5A	Cabbage	0.002100	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	0.127700	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	0.002100	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	0.002100	1.000	1.000
95000740	O	Canistel	0.215300	1.000	1.000
09010750	9A	Cantaloupe	0.012600	1.000	1.000
04020760	4B	Cardoon	0.227400	1.000	1.000
01010780	1AB	Carrot	0.010100	1.000	1.000
01010781	1AB	Carrot-babyfood	0.010100	1.000	1.000
01010790	1AB	Carrot, juice	0.010100	1.000	1.000
09010800	9A	Casaba	0.012600	1.000	1.000
14000810	14	Cashew	0.006800	1.000	1.000
01030820	1CD	Cassava	0.001900	1.000	1.000
01030821	1CD	Cassava-babyfood	0.001900	1.000	1.000
05010830	5A	Cauliflower	0.002100	1.000	1.000
01010840	1AB	Celeriac	0.002100	1.000	1.000
04020850	4B	Celery	0.227400	1.000	1.000
04020851	4B	Celery-babyfood	0.227400	1.000	1.000
04020860	4B	Celery, juice	0.227400	1.000	1.000
04020870	4B	Celtuce	0.227400	1.000	1.000
09020880	9B	Chayote, fruit	0.012600	1.000	1.000
12000900	12	Cherry	0.286300	1.000	1.000
12000901	12	Cherry-babyfood	0.286300	1.000	1.000
12000910	12	Cherry, juice	0.286300	1.500	1.000
12000911	12	Cherry, juice-babyfood	0.286300	1.500	1.000
14000920	14	Chestnut	0.006800	1.000	1.000
40000930	P	Chicken, meat	0.007300	1.000	1.000
40000931	P	Chicken, meat-babyfood	0.007300	1.000	1.000
40000940	P	Chicken, liver	0.007300	1.000	1.000
40000950	P	Chicken, meat byproducts	0.006300	1.000	1.000
40000951	P	Chicken, meat byproducts-babyfoo	0.006300	1.000	1.000
40000960	P	Chicken, fat	0.006400	1.000	1.000
40000961	P	Chicken, fat-babyfood	0.006400	1.000	1.000
40000970	P	Chicken, skin	0.006400	1.000	1.000
40000971	P	Chicken, skin-babyfood	0.006400	1.000	1.000
06030980	6C	Chickpea, seed	0.023000	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.023000	1.000	1.000
06030990	6C	Chickpea, flour	0.023000	1.000	1.000
01011000	1AB	Chicory, roots	0.002100	1.000	1.000
02001010	2	Chicory, tops	0.002100	1.000	1.000
09021020	9B	Chinese waxgourd	0.012600	1.000	1.000
04011040	4A	Chrysanthemum, garland	0.645800	1.000	1.000
10001060	10	Citrus citron	0.043600	1.000	1.000
10001070	10	Citrus hybrids	0.043600	1.000	1.000
10001080	10	Citrus, oil	0.043600	1.000	1.000

95001150	O	Coffee, roasted bean	0.041100	1.000	1.000
95001160	O	Coffee, instant	0.041100	1.000	1.000
05021170	5B	Collards	0.127700	1.000	1.000
19011180	19A	Coriander, leaves	0.645800	1.000	1.000
19011181	19A	Coriander, leaves-babyfood	0.645800	1.000	1.000
15001200	15	Corn, field, flour	0.005100	1.000	1.000
15001201	15	Corn, field, flour-babyfood	0.005100	1.000	1.000
15001210	15	Corn, field, meal	0.005100	1.000	1.000
15001211	15	Corn, field, meal-babyfood	0.005100	1.000	1.000
15001220	15	Corn, field, bran	0.005100	1.000	1.000
15001230	15	Corn, field, starch	0.005100	1.000	1.000
15001231	15	Corn, field, starch-babyfood	0.005100	1.000	1.000
15001240	15	Corn, field, syrup	0.005100	1.500	1.000
15001241	15	Corn, field, syrup-babyfood	0.005100	1.500	1.000
15001250	15	Corn, field, oil	0.005100	1.000	1.000
15001251	15	Corn, field, oil-babyfood	0.005100	1.000	1.000
15001260	15	Corn, pop	0.005000	1.000	1.000
15001270	15	Corn, sweet	0.005000	1.000	1.000
15001271	15	Corn, sweet-babyfood	0.005000	1.000	1.000
95001280	O	Cottonseed, oil	0.096500	1.000	1.000
95001281	O	Cottonseed, oil-babyfood	0.096500	1.000	1.000
11001290	11	Crabapple	0.028000	1.000	1.000
95001300	O	Cranberry	0.046000	1.000	1.000
95001301	O	Cranberry-babyfood	0.046000	1.000	1.000
95001310	O	Cranberry, dried	0.046000	4.000	1.000
95001320	O	Cranberry, juice	0.046000	1.100	1.000
95001321	O	Cranberry, juice-babyfood	0.046000	1.100	1.000
04011330	4A	Cress, garden	0.645800	1.000	1.000
04011340	4A	Cress, upland	0.645800	1.000	1.000
09021350	9B	Cucumber	0.012600	1.000	1.000
13021360	13B	Currant	0.184400	1.000	1.000
13021370	13B	Currant, dried	0.184400	1.000	1.000
04011380	4A	Dandelion, leaves	0.645800	1.000	1.000
01031390	1CD	Dasheen, corm	0.001900	1.000	1.000
02001400	2	Dasheen, leaves	0.002100	1.000	1.000
13011420	13A	Dewberry	0.149500	1.000	1.000
70001450	P	Egg, whole	0.007300	1.000	1.000
70001451	P	Egg, whole-babyfood	0.007300	1.000	1.000
70001460	P	Egg, white	0.007300	1.000	1.000
70001461	P	Egg, white (solids)-babyfood	0.007300	1.000	1.000
70001470	P	Egg, yolk	0.007300	1.000	1.000
70001471	P	Egg, yolk-babyfood	0.007300	1.000	1.000
08001480	8	Eggplant	0.246300	1.000	1.000
13021490	13B	Elderberry	0.050500	1.000	1.000
04011500	4A	Endive	0.645800	1.000	1.000
04021520	4B	Fennel, Florence	0.227400	1.000	1.000
14001550	14	Filbert	0.006800	1.000	1.000
14001560	14	Filbert, oil	0.006800	1.000	1.000
03001640	3	Garlic	0.014200	1.000	1.000
03001650	3	Garlic, dried	0.014200	1.000	1.000
03001651	3	Garlic, dried-babyfood	0.014200	1.000	1.000
01031660	1CD	Ginger	0.001900	1.000	1.000
01031661	1CD	Ginger-babyfood	0.001900	1.000	1.000
01031670	1CD	Ginger, dried	0.001900	1.000	1.000
01011680	1AB	Ginseng, dried	0.002100	1.000	1.000
23001690	M	Goat, meat	0.064400	1.000	1.000
23001700	M	Goat, meat byproducts	0.064400	1.000	1.000
23001710	M	Goat, fat	0.064400	1.000	1.000
23001720	M	Goat, kidney	0.067500	1.000	1.000
23001730	M	Goat, liver	0.683400	1.000	1.000
13021740	13B	Gooseberry	0.143500	1.000	1.000
95001750	O	Grape	0.050000	1.000	1.000
95001760	O	Grape, juice	0.050000	1.200	1.000
95001761	O	Grape, juice-babyfood	0.050000	1.200	1.000
95001770	O	Grape, leaves	0.050000	1.000	1.000
95001780	O	Grape, raisin	0.612300	1.000	1.000
95001790	O	Grape, wine and sherry	0.050000	1.200	1.000
10001800	10	Grapefruit	0.043600	1.000	1.000
10001810	10	Grapefruit, juice	0.043600	2.100	1.000
06031820	6C	Guar, seed	0.023000	1.000	1.000
06031821	6C	Guar, seed-babyfood	0.023000	1.000	1.000

14001850	14	Hickory nut	0.006800	1.000	1.000
09011870	9A	Honeydew melon	0.012600	1.000	1.000
95001880	O	Hop	1.647600	1.000	1.000
24001890	M	Horse, meat	0.064400	1.000	1.000
01011900	1AB	Horseradish	0.002100	1.000	1.000
13021910	13B	Huckleberry	0.046200	1.000	1.000
05021940	5B	Kale	0.127700	1.000	1.000
05011960	5A	Kohlrabi	0.002100	1.000	1.000
10001970	10	Kumquat	0.043600	1.000	1.000
03001980	3	Leek	0.017400	1.000	1.000
10001990	10	Lemon	0.043600	1.000	1.000
10002000	10	Lemon, juice	0.043600	2.000	1.000
10002001	10	Lemon, juice-babyfood	0.043600	2.000	1.000
10002010	10	Lemon, peel	0.043600	1.000	1.000
06032030	6C	Lentil, seed	0.023000	1.000	1.000
04012040	4A	Lettuce, head	0.645800	1.000	1.000
04012050	4A	Lettuce, leaf	0.645800	1.000	1.000
10002060	10	Lime	0.043600	1.000	1.000
10002070	10	Lime, juice	0.043600	2.000	1.000
10002071	10	Lime, juice-babyfood	0.043600	2.000	1.000
13012080	13A	Loganberry	0.149500	1.000	1.000
11002100	11	Loquat	0.028000	1.000	1.000
95002110	O	Lychee	0.085500	1.000	1.000
95002120	O	Lychee, dried	0.085500	1.850	1.000
14002130	14	Macadamia nut	0.006800	1.000	1.000
95002150	O	Mango	0.018060	1.000	1.000
95002151	O	Mango-babyfood	0.018060	1.000	1.000
95002160	O	Mango, dried	0.018060	1.000	1.000
95002170	O	Mango, juice	0.018060	1.000	1.000
95002171	O	Mango, juice-babyfood	0.018060	1.000	1.000
28002210	M	Meat, game	0.064400	1.000	1.000
27002220	D	Milk, fat	0.008000	1.000	1.000
27002221	D	Milk, fat - baby food/infant for	0.008000	1.000	1.000
27012230	D	Milk, nonfat solids	0.008000	1.000	1.000
27012231	D	Milk, nonfat solids-baby food/in	0.008000	1.000	1.000
27022240	D	Milk, water	0.008000	1.000	1.000
27022241	D	Milk, water-babyfood/infant form	0.008000	1.000	1.000
27032251	D	Milk, sugar (lactose)-baby food/	0.008000	1.000	1.000
15002260	15	Millet, grain	0.005200	1.000	1.000
05022290	5B	Mustard greens	0.127700	1.000	1.000
12002300	12	Nectarine	0.118400	1.000	1.000
15002310	15	Oat, bran	0.005500	1.000	1.000
15002320	15	Oat, flour	0.005500	1.000	1.000
15002321	15	Oat, flour-babyfood	0.005500	1.000	1.000
15002330	15	Oat, groats/rolled oats	0.005500	1.000	1.000
15002331	15	Oat, groats/rolled oats-babyfood	0.005500	1.000	1.000
08002340	8	Okra	0.245200	1.000	1.000
03002370	3	Onion, dry bulb	0.014200	1.000	1.000
03002371	3	Onion, dry bulb-babyfood	0.014200	1.000	1.000
03002380	3	Onion, dry bulb, dried	0.014200	9.000	1.000
03002381	3	Onion, dry bulb, dried-babyfood	0.014200	9.000	1.000
03002390	3	Onion, green	0.017400	1.000	1.000
10002400	10	Orange	0.043600	1.000	1.000
10002410	10	Orange, juice	0.043600	1.800	1.000
10002411	10	Orange, juice-babyfood	0.043600	1.800	1.000
10002420	10	Orange, peel	0.043600	1.000	1.000
95002450	O	Papaya	0.182900	1.000	1.000
95002451	O	Papaya-babyfood	0.182900	1.000	1.000
95002460	O	Papaya, dried	0.182900	1.000	1.000
95002470	O	Papaya, juice	0.182900	1.000	1.000
04012480	4A	Parsley, leaves	0.645800	1.000	1.000
01012500	1AB	Parsley, turnip rooted	0.002100	1.000	1.000
01012510	1AB	Parsnip	0.002100	1.000	1.000
01012511	1AB	Parsnip-babyfood	0.002100	1.000	1.000
06022550	6B	Pea, succulent	0.002100	1.000	1.000
06022551	6B	Pea, succulent-babyfood	0.002100	1.000	1.000
06032560	6C	Pea, dry	0.002100	1.000	1.000
06032561	6C	Pea, dry-babyfood	0.002100	1.000	1.000
06012570	6A	Pea, edible podded, succulent	0.002100	1.000	1.000
06032580	6C	Pea, pigeon, seed	0.002100	1.000	1.000
06022590	6B	Pea, pigeon, succulent	0.002100	1.000	1.000

12002600	12	Peach	0.118400	1.000	1.000
12002601	12	Peach-babyfood	0.118400	1.000	1.000
12002610	12	Peach, dried	0.118400	7.000	1.000
12002611	12	Peach, dried-babyfood	0.118400	7.000	1.000
12002620	12	Peach, juice	0.118400	1.000	1.000
12002621	12	Peach, juice-babyfood	0.118400	1.000	1.000
95002630	0	Peanut	0.010300	1.000	1.000
95002640	0	Peanut, butter	0.077900	1.000	1.000
95002650	0	Peanut, oil	0.077900	1.000	1.000
11002660	11	Pear	0.028000	1.000	1.000
11002661	11	Pear-babyfood	0.028000	1.000	1.000
11002670	11	Pear, dried	0.028000	6.250	1.000
11002680	11	Pear, juice	0.028000	1.000	1.000
11002681	11	Pear, juice-babyfood	0.028000	1.000	1.000
14002690	14	Pecan	0.026800	1.000	1.000
08002700	8	Pepper, bell	0.246300	1.000	1.000
08002701	8	Pepper, bell-babyfood	0.246300	1.000	1.000
08002710	8	Pepper, bell, dried	0.246300	1.000	1.000
08002711	8	Pepper, bell, dried-babyfood	0.246300	1.000	1.000
08002720	8	Pepper, nonbell	0.246300	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	0.246300	1.000	1.000
08002730	8	Pepper, nonbell, dried	0.246300	1.000	1.000
95002750	0	Peppermint	0.215300	1.000	1.000
95002760	0	Peppermint, oil	0.215300	1.000	1.000
95002790	0	Pineapple	0.219200	1.000	1.000
95002791	0	Pineapple-babyfood	0.219200	1.000	1.000
95002800	0	Pineapple, dried	0.219200	5.000	1.000
95002810	0	Pineapple, juice	0.219200	1.700	1.000
95002811	0	Pineapple, juice-babyfood	0.219200	1.700	1.000
14002820	14	Pistachio	0.006800	1.000	1.000
95002830	0	Plantain	0.023800	1.000	1.000
95002840	0	Plantain, dried	0.023800	3.900	1.000
12002850	12	Plum	0.118400	1.000	1.000
12002851	12	Plum-babyfood	0.118400	1.000	1.000
12002860	12	Plum, prune, fresh	0.438700	1.000	1.000
12002861	12	Plum, prune, fresh-babyfood	0.438700	1.000	1.000
12002870	12	Plum, prune, dried	0.438700	5.000	1.000
12002871	12	Plum, prune, dried-babyfood	0.438700	5.000	1.000
12002880	12	Plum, prune, juice	0.438700	1.400	1.000
12002881	12	Plum, prune, juice-babyfood	0.438700	1.400	1.000
25002900	M	Pork, meat	0.064400	1.000	1.000
25002901	M	Pork, meat-babyfood	0.064400	1.000	1.000
25002910	M	Pork, skin	0.064400	1.000	1.000
25002920	M	Pork, meat byproducts	0.064400	1.000	1.000
25002921	M	Pork, meat byproducts-babyfood	0.064400	1.000	1.000
25002930	M	Pork, fat	0.064400	1.000	1.000
25002931	M	Pork, fat-babyfood	0.064400	1.000	1.000
25002940	M	Pork, kidney	0.067500	1.000	1.000
25002950	M	Pork, liver	0.683400	1.000	1.000
01032960	1C	Potato, chips	0.001900	1.000	1.000
01032970	1C	Potato, dry (granules/ flakes)	0.001900	6.500	1.000
01032971	1C	Potato, dry (granules/ flakes)-b	0.001900	6.500	1.000
01032980	1C	Potato, flour	0.001900	1.000	1.000
01032981	1C	Potato, flour-babyfood	0.001900	1.000	1.000
01032990	1C	Potato, tuber, w/peel	0.001900	1.000	1.000
01032991	1C	Potato, tuber, w/peel-babyfood	0.001900	1.000	1.000
01033000	1C	Potato, tuber, w/o peel	0.001900	1.000	1.000
01033001	1C	Potato, tuber, w/o peel-babyfood	0.001900	1.000	1.000
60003010	P	Poultry, other, meat	0.007300	1.000	1.000
60003020	P	Poultry, other, liver	0.007300	1.000	1.000
60003030	P	Poultry, other, meat byproducts	0.006300	1.000	1.000
60003040	P	Poultry, other, fat	0.006400	1.000	1.000
60003050	P	Poultry, other, skin	0.006400	1.000	1.000
10003070	10	Pummelo	0.043600	1.000	1.000
09023080	9B	Pumpkin	0.012600	1.000	1.000
09023090	9B	Pumpkin, seed	0.012600	1.000	1.000
11003100	11	Quince	0.028000	1.000	1.000
29003120	M	Rabbit, meat	0.064400	1.000	1.000
04013130	4A	Radicchio	0.645800	1.000	1.000
01013140	1AB	Radish, roots	0.002100	1.000	1.000
02003150	2	Radish, tops	0.002100	1.000	1.000

01013160	1AB	Radish, Oriental, roots	0.002100	1.000	1.000
02003170	2	Radish, Oriental, tops	0.002100	1.000	1.000
05023180	5B	Rape greens	0.127700	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	0.149500	1.000	1.000
13013201	13A	Raspberry-babyfood	0.149500	1.000	1.000
13013210	13A	Raspberry, juice	0.149500	1.000	1.000
13013211	13A	Raspberry, juice-babyfood	0.149500	1.000	1.000
04023220	4B	Rhubarb	0.227400	1.000	1.000
15003230	15	Rice, white	0.031300	1.000	1.000
15003231	15	Rice, white-babyfood	0.031300	1.000	1.000
15003240	15	Rice, brown	0.031300	1.000	1.000
15003241	15	Rice, brown-babyfood	0.031300	1.000	1.000
15003250	15	Rice, flour	0.031300	1.000	1.000
15003251	15	Rice, flour-babyfood	0.031300	1.000	1.000
15003260	15	Rice, bran	0.031300	1.000	1.000
15003261	15	Rice, bran-babyfood	0.031300	1.000	1.000
01013270	1AB	Rutabaga	0.002100	1.000	1.000
15003280	15	Rye, grain	0.005400	1.000	1.000
15003290	15	Rye, flour	0.005400	1.000	1.000
01013310	1AB	Salsify, roots	0.002100	1.000	1.000
02003320	2	Salsify, tops	0.002100	1.000	1.000
95003330	0	Sapote, Mamey	0.215300	1.000	1.000
03003380	3	Shallot	0.017400	1.000	1.000
26003390	M	Sheep, meat	0.064400	1.000	1.000
26003391	M	Sheep, meat-babyfood	0.064400	1.000	1.000
26003400	M	Sheep, meat byproducts	0.064400	1.000	1.000
26003410	M	Sheep, fat	0.064400	1.000	1.000
26003411	M	Sheep, fat-babyfood	0.064400	1.000	1.000
26003420	M	Sheep, kidney	0.067500	1.000	1.000
26003430	M	Sheep, liver	0.683400	1.000	1.000
15003440	15	Sorghum, grain	0.009400	1.000	1.000
15003450	15	Sorghum, syrup	0.009400	1.000	1.000
06003470	6	Soybean, seed	0.013600	1.000	1.000
06003480	6	Soybean, flour	0.013600	1.000	1.000
06003481	6	Soybean, flour-babyfood	0.013600	1.000	1.000
06003490	6	Soybean, soy milk	0.013600	1.000	1.000
06003491	6	Soybean, soy milk-babyfood or in	0.013600	1.000	1.000
06003500	6	Soybean, oil	0.090200	1.000	1.000
06003501	6	Soybean, oil-babyfood	0.090200	1.000	1.000
95003520	0	Spearmint	0.215300	1.000	1.000
95003530	0	Spearmint, oil	0.215300	1.000	1.000
09023560	9B	Squash, summer	0.012600	1.000	1.000
09023561	9B	Squash, summer-babyfood	0.012600	1.000	1.000
09023570	9B	Squash, winter	0.012600	1.000	1.000
09023571	9B	Squash, winter-babyfood	0.012600	1.000	1.000
95003590	0	Strawberry	0.031500	1.000	1.000
95003591	0	Strawberry-babyfood	0.031500	1.000	1.000
95003600	0	Strawberry, juice	0.031500	1.000	1.000
95003601	0	Strawberry, juice-babyfood	0.031500	1.000	1.000
20003640	20	Sunflower, seed	0.002800	1.000	1.000
20003650	20	Sunflower, oil	0.002800	1.000	1.000
20003651	20	Sunflower, oil-babyfood	0.002800	1.000	1.000
01033660	1CD	Sweet potato	0.001900	1.000	1.000
01033661	1CD	Sweet potato-babyfood	0.001900	1.000	1.000
04023670	4B	Swiss chard	0.227400	1.000	1.000
10003690	10	Tangerine	0.043600	1.000	1.000
10003700	10	Tangerine, juice	0.043600	2.300	1.000
01033710	1CD	Tanier, corm	0.001900	1.000	1.000
08003740	8	Tomatillo	0.246300	1.000	1.000
08003750	8	Tomato	0.015700	1.000	1.000
08003751	8	Tomato-babyfood	0.015700	1.000	1.000
08003760	8	Tomato, paste	0.066900	5.400	1.000
08003761	8	Tomato, paste-babyfood	0.066900	5.400	1.000
08003770	8	Tomato, puree	0.037000	3.300	1.000
08003771	8	Tomato, puree-babyfood	0.037000	3.300	1.000
08003780	8	Tomato, dried	0.012200	14.300	1.000
08003781	8	Tomato, dried-babyfood	0.012200	14.300	1.000
08003790	8	Tomato, juice	0.012200	1.500	1.000
15003810	15	Triticale, flour	0.005200	1.000	1.000

15003811	15	Triticale, flour-babyfood	0.005200	1.000	1.000
50003820	P	Turkey, meat	0.007300	1.000	1.000
50003821	P	Turkey, meat-babyfood	0.007300	1.000	1.000
50003830	P	Turkey, liver	0.007300	1.000	1.000
50003831	P	Turkey, liver-babyfood	0.007300	1.000	1.000
50003840	P	Turkey, meat byproducts	0.006300	1.000	1.000
50003841	P	Turkey, meat byproducts-babyfood	0.006300	1.000	1.000
50003850	P	Turkey, fat	0.006400	1.000	1.000
50003851	P	Turkey, fat-babyfood	0.006400	1.000	1.000
50003860	P	Turkey, skin	0.006400	1.000	1.000
50003861	P	Turkey, skin-babyfood	0.006400	1.000	1.000
01033870	1CD	Turmeric	0.001900	1.000	1.000
05023890	5B	Turnip, greens	0.363800	1.000	1.000
01013880	1AB	Turnip, roots	0.022800	1.000	1.000
14003910	14	Walnut	0.006800	1.000	1.000
86010000	O	Water, direct, all sources	0.041000	1.000	1.000
86020000	O	Water, indirect, all sources	0.041000	1.000	1.000
09013990	9A	Watermelon	0.012600	1.000	1.000
09014000	9A	Watermelon, juice	0.012600	1.000	1.000
15004010	15	Wheat, grain	0.005200	1.000	1.000
15004011	15	Wheat, grain-babyfood	0.005200	1.000	1.000
15004020	15	Wheat, flour	0.005200	1.000	1.000
15004021	15	Wheat, flour-babyfood	0.005200	1.000	1.000
15004030	15	Wheat, germ	0.005200	1.000	1.000
15004040	15	Wheat, bran	0.005200	1.000	1.000
15004050	15	Wild rice	0.023100	1.000	1.000
01034060	1CD	Yam, true	0.001900	1.000	1.000
01034070	1CD	Yam bean	0.001900	1.000	1.000

Attachment 2. Residue inputs and assumptions used in the acute assessment of the conjugated triazole metabolites.

Filename: C:\Documents and Settings\mdoherty\My Documents\Chemistry Reviews\DEEM
 Runs\Triazoles\TA+TAA Acute-3-08.R98
 Chemical: TA/TAA
 RfD(Chronic): .09 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day
 RfD(Acute): .1 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day
 Date created/last modified: 03-27-2008/13:36:13/8 Program ver. 2.03
 Comment: RfDs are PADs. aPAD for Females 13-49 only

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj.Factors		Comment
				#1	#2	
14000030	14	Almond	0.190000	1.000	1.000	
14000031	14	Almond-babyfood	0.190000	1.000	1.000	
14000040	14	Almond, oil	0.190000	1.000	1.000	
14000041	14	Almond, oil-babyfood	0.190000	1.000	1.000	
04010050	4A	Amaranth, leafy	4.860000	1.000	1.000	
11000070	11	Apple, fruit with peel	0.530000	1.000	1.000	
11000080	11	Apple, peeled fruit	0.530000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	0.530000	1.000	1.000	
11000090	11	Apple, dried	0.530000	8.000	1.000	
11000091	11	Apple, dried-babyfood	0.530000	8.000	1.000	
11000100	11	Apple, juice	0.530000	1.300	1.000	
11000101	11	Apple, juice-babyfood	0.530000	1.300	1.000	
11000110	11	Apple, sauce	0.530000	1.000	1.000	
11000111	11	Apple, sauce-babyfood	0.530000	1.000	1.000	
12000120	12	Apricot	1.080000	1.000	1.000	
12000121	12	Apricot-babyfood	1.080000	1.000	1.000	
12000130	12	Apricot, dried	1.080000	6.000	1.000	
12000140	12	Apricot, juice	1.080000	1.000	1.000	
12000141	12	Apricot, juice-babyfood	1.080000	1.000	1.000	
01030150	1CD	Arrowroot, flour	0.003800	1.000	1.000	
01030151	1CD	Arrowroot, flour-babyfood	0.003800	1.000	1.000	
95000160	O	Artichoke, globe	0.540000	1.000	1.000	
01030170	1CD	Artichoke, Jerusalem	0.003800	1.000	1.000	
04010180	4A	Arugula	4.860000	1.000	1.000	
95000190	O	Asparagus	0.800000	1.000	1.000	
09020210	9B	Balsam pear	0.110000	1.000	1.000	
95000230	O	Banana	2.160000	1.000	1.000	
95000231	O	Banana-babyfood	2.160000	1.000	1.000	
95000240	O	Banana, dried	2.160000	3.900	1.000	
95000241	O	Banana, dried-babyfood	2.160000	3.900	1.000	
15000250	15	Barley, pearled barley	1.378200	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	1.378200	1.000	1.000	
15000260	15	Barley, flour	1.378200	1.000	1.000	
15000261	15	Barley, flour-babyfood	1.378200	1.000	1.000	
15000270	15	Barley, bran	1.378200	1.000	1.000	
06030300	6C	Bean, black, seed	0.230000	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.540000	1.000	1.000	
06030320	6C	Bean, broad, seed	0.230000	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.540000	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.230000	1.000	1.000	
06030350	6C	Bean, great northern, seed	0.230000	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.230000	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.540000	1.000	1.000	
06030380	6C	Bean, lima, seed	0.230000	1.000	1.000	
06030390	6C	Bean, mung, seed	0.230000	1.000	1.000	
06030400	6C	Bean, navy, seed	0.230000	1.000	1.000	
06030410	6C	Bean, pink, seed	0.230000	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.230000	1.000	1.000	
06010430	6A	Bean, snap, succulent	0.540000	1.000	1.000	
06010431	6A	Bean, snap, succulent-babyfood	0.540000	1.000	1.000	
21000440	M	Beef, meat	0.530000	1.000	1.000	
21000441	M	Beef, meat-babyfood	0.530000	1.000	1.000	
21000450	M	Beef, meat, dried	0.530000	1.920	1.000	
21000460	M	Beef, meat byproducts	0.530000	1.000	1.000	
21000461	M	Beef, meat byproducts-babyfood	0.530000	1.000	1.000	

21000470	M	Beef, fat	0.530000	1.000	1.000
21000471	M	Beef, fat-babyfood	0.530000	1.000	1.000
21000480	M	Beef, kidney	0.910000	1.000	1.000
21000490	M	Beef, liver	1.680000	1.000	1.000
21000491	M	Beef, liver-babyfood	1.680000	1.000	1.000
01010500	1AB	Beet, garden, roots	0.709600	1.000	1.000
01010501	1AB	Beet, garden, roots-babyfood	0.709600	1.000	1.000
02000510	2	Beet, garden, tops	0.020000	1.000	1.000
01010520	1A	Beet, sugar	0.140000	1.000	1.000
01010521	1A	Beet, sugar-babyfood	0.140000	1.000	1.000
01010530	1A	Beet, sugar, molasses	1.370000	1.000	1.000
01010531	1A	Beet, sugar, molasses-babyfood	1.370000	1.000	1.000
13010550	13A	Blackberry	1.080000	1.000	1.000
13010560	13A	Blackberry, juice	1.080000	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	1.080000	1.000	1.000
13020570	13B	Blueberry	0.460000	1.000	1.000
13020571	13B	Blueberry-babyfood	0.460000	1.000	1.000
13010580	13A	Boysenberry	1.080000	1.000	1.000
14000590	14	Brazil nut	0.190000	1.000	1.000
05010610	5A	Broccoli	0.020000	1.000	1.000
05010611	5A	Broccoli-babyfood	0.020000	1.000	1.000
05010620	5A	Broccoli, Chinese	0.020000	1.000	1.000
05020630	5B	Broccoli raab	1.908600	1.000	1.000
05010640	5A	Brussels sprouts	0.020000	1.000	1.000
15000650	15	Buckwheat	0.103700	1.000	1.000
15000660	15	Buckwheat, flour	0.103700	1.000	1.000
01010670	1AB	Burdock	0.016200	1.000	1.000
14000680	14	Butternut	0.190000	1.000	1.000
05010690	5A	Cabbage	0.020000	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	1.908600	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	0.020000	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	0.020000	1.000	1.000
95000740	O	Canistel	1.620000	1.000	1.000
09010750	9A	Cantaloupe	0.110000	1.000	1.000
04020760	4B	Cardoon	2.280000	1.000	1.000
01010780	1AB	Carrot	0.090000	1.000	1.000
01010781	1AB	Carrot-babyfood	0.090000	1.000	1.000
01010790	1AB	Carrot, juice	0.090000	1.000	1.000
09010800	9A	Casaba	0.110000	1.000	1.000
14000810	14	Cashew	0.190000	1.000	1.000
01030820	1CD	Cassava	0.003800	1.000	1.000
01030821	1CD	Cassava-babyfood	0.003800	1.000	1.000
05010830	5A	Cauliflower	0.020000	1.000	1.000
01010840	1AB	Celeriac	0.020000	1.000	1.000
04020850	4B	Celery	2.280000	1.000	1.000
04020851	4B	Celery-babyfood	2.280000	1.000	1.000
04020860	4B	Celery, juice	2.280000	1.000	1.000
04020870	4B	Celtuce	2.280000	1.000	1.000
09020880	9B	Chayote, fruit	0.110000	1.000	1.000
12000900	12	Cherry	2.700000	1.000	1.000
12000901	12	Cherry-babyfood	2.700000	1.000	1.000
12000910	12	Cherry, juice	2.700000	1.500	1.000
12000911	12	Cherry, juice-babyfood	2.700000	1.500	1.000
14000920	14	Chestnut	0.190000	1.000	1.000
40000930	P	Chicken, meat	0.030000	1.000	1.000
40000931	P	Chicken, meat-babyfood	0.030000	1.000	1.000
40000940	P	Chicken, liver	0.030000	1.000	1.000
40000950	P	Chicken, meat byproducts	0.030000	1.000	1.000
40000951	P	Chicken, meat byproducts-babyfoo	0.030000	1.000	1.000
40000960	P	Chicken, fat	0.030000	1.000	1.000
40000961	P	Chicken, fat-babyfood	0.030000	1.000	1.000
40000970	P	Chicken, skin	0.030000	1.000	1.000
40000971	P	Chicken, skin-babyfood	0.030000	1.000	1.000
06030980	6C	Chickpea, seed	0.230000	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.230000	1.000	1.000
06030990	6C	Chickpea, flour	0.230000	1.000	1.000
01011000	1AB	Chicory, roots	0.020000	1.000	1.000
02001010	2	Chicory, tops	0.020000	1.000	1.000
09021020	9B	Chinese waxgourd	0.110000	1.000	1.000
04011040	4A	Chrysanthemum, garland	4.860000	1.000	1.000
10001060	10	Citrus citron	0.460000	1.000	1.000

10001070	10	Citrus hybrids	0.460000	1.000	1.000
10001080	10	Citrus, oil	0.460000	1.000	1.000
95001150	O	Coffee, roasted bean	0.005000	1.000	1.000
95001160	O	Coffee, instant	0.005000	1.000	1.000
05021170	5B	Collards	1.908600	1.000	1.000
19011180	19A	Coriander, leaves	4.860000	1.000	1.000
19011181	19A	Coriander, leaves-babyfood	4.860000	1.000	1.000
15001200	15	Corn, field, flour	0.550000	1.000	1.000
15001201	15	Corn, field, flour-babyfood	0.550000	1.000	1.000
15001210	15	Corn, field, meal	0.550000	1.000	1.000
15001211	15	Corn, field, meal-babyfood	0.550000	1.000	1.000
15001220	15	Corn, field, bran	0.550000	1.000	1.000
15001230	15	Corn, field, starch	0.550000	1.000	1.000
15001231	15	Corn, field, starch-babyfood	0.550000	1.000	1.000
15001240	15	Corn, field, syrup	0.550000	1.500	1.000
15001241	15	Corn, field, syrup-babyfood	0.550000	1.500	1.000
15001250	15	Corn, field, oil	0.550000	1.000	1.000
15001251	15	Corn, field, oil-babyfood	0.550000	1.000	1.000
15001260	15	Corn, pop	0.550000	1.000	1.000
15001270	15	Corn, sweet	0.550000	1.000	1.000
15001271	15	Corn, sweet-babyfood	0.550000	1.000	1.000
95001280	O	Cottonseed, oil	1.010000	1.000	1.000
95001281	O	Cottonseed, oil-babyfood	1.010000	1.000	1.000
11001290	11	Crabapple	0.530000	1.000	1.000
95001300	O	Cranberry	0.460000	1.000	1.000
95001301	O	Cranberry-babyfood	0.460000	1.000	1.000
95001310	O	Cranberry, dried	0.460000	4.000	1.000
95001320	O	Cranberry, juice	0.460000	1.100	1.000
95001321	O	Cranberry, juice-babyfood	0.460000	1.100	1.000
04011330	4A	Cress, garden	4.860000	1.000	1.000
04011340	4A	Cress, upland	4.860000	1.000	1.000
09021350	9B	Cucumber	0.110000	1.000	1.000
13021360	13B	Currant	1.620000	1.000	1.000
13021370	13B	Currant, dried	1.620000	1.000	1.000
04011380	4A	Dandelion, leaves	4.860000	1.000	1.000
01031390	1CD	Dasheen, corm	0.003800	1.000	1.000
02001400	2	Dasheen, leaves	0.020000	1.000	1.000
13011420	13A	Dewberry	1.080000	1.000	1.000
70001450	P	Egg, whole	0.050000	1.000	1.000
70001451	P	Egg, whole-babyfood	0.050000	1.000	1.000
70001460	P	Egg, white	0.050000	1.000	1.000
70001461	P	Egg, white (solids)-babyfood	0.050000	1.000	1.000
70001470	P	Egg, yolk	0.050000	1.000	1.000
70001471	P	Egg, yolk-babyfood	0.050000	1.000	1.000
08001480	8	Eggplant	2.160000	1.000	1.000
13021490	13B	Elderberry	0.460000	1.000	1.000
04011500	4A	Endive	4.860000	1.000	1.000
04021520	4B	Fennel, Florence	2.280000	1.000	1.000
14001550	14	Filbert	0.190000	1.000	1.000
14001560	14	Filbert, oil	0.190000	1.000	1.000
03001640	3	Garlic	0.140000	1.000	1.000
03001650	3	Garlic, dried	0.140000	1.000	1.000
03001651	3	Garlic, dried-babyfood	0.140000	1.000	1.000
01031660	1CD	Ginger	0.003800	1.000	1.000
01031661	1CD	Ginger-babyfood	0.003800	1.000	1.000
01031670	1CD	Ginger, dried	0.003800	1.000	1.000
01011680	1AB	Ginseng, dried	0.020000	1.000	1.000
23001690	M	Goat, meat	0.530000	1.000	1.000
23001700	M	Goat, meat byproducts	0.530000	1.000	1.000
23001710	M	Goat, fat	0.530000	1.000	1.000
23001720	M	Goat, kidney	0.910000	1.000	1.000
23001730	M	Goat, liver	1.680000	1.000	1.000
13021740	13B	Gooseberry	1.080000	1.000	1.000
95001750	O	Grape	2.530000	1.000	1.000
95001760	O	Grape, juice	2.530000	1.200	1.000
95001761	O	Grape, juice-babyfood	2.530000	1.200	1.000
95001770	O	Grape, leaves	2.530000	1.000	1.000
95001780	O	Grape, raisin	5.400000	1.000	1.000
95001790	O	Grape, wine and sherry	2.530000	1.200	1.000
10001800	10	Grapefruit	0.460000	1.000	1.000
10001810	10	Grapefruit, juice	0.460000	2.100	1.000

06031820	6C	Guar, seed	0.230000	1.000	1.000
06031821	6C	Guar, seed-babyfood	0.230000	1.000	1.000
14001850	14	Hickory nut	0.190000	1.000	1.000
09011870	9A	Honeydew melon	0.110000	1.000	1.000
95001880	O	Hop	15.200000	1.000	1.000
24001890	M	Horse, meat	0.530000	1.000	1.000
01011900	1AB	Horseradish	0.020000	1.000	1.000
13021910	13B	Huckleberry	0.460000	1.000	1.000
05021940	5B	Kale	1.908600	1.000	1.000
05011960	5A	Kohlrabi	0.020000	1.000	1.000
10001970	10	Kumquat	0.460000	1.000	1.000
03001980	3	Leek	1.057700	1.000	1.000
10001990	10	Lemon	0.460000	1.000	1.000
10002000	10	Lemon, juice	0.460000	2.000	1.000
10002001	10	Lemon, juice-babyfood	0.460000	2.000	1.000
10002010	10	Lemon, peel	0.460000	1.000	1.000
06032030	6C	Lentil, seed	0.230000	1.000	1.000
04012040	4A	Lettuce, head	4.860000	1.000	1.000
04012050	4A	Lettuce, leaf	4.860000	1.000	1.000
10002060	10	Lime	0.460000	1.000	1.000
10002070	10	Lime, juice	0.460000	2.000	1.000
10002071	10	Lime, juice-babyfood	0.460000	2.000	1.000
13012080	13A	Loganberry	1.080000	1.000	1.000
11002100	11	Loquat	0.530000	1.000	1.000
95002110	O	Lychee	0.760000	1.000	1.000
95002120	O	Lychee, dried	0.760000	1.850	1.000
14002130	14	Macadamia nut	0.190000	1.000	1.000
95002150	O	Mango	1.620000	1.000	1.000
95002151	O	Mango-babyfood	1.620000	1.000	1.000
95002160	O	Mango, dried	1.620000	1.000	1.000
95002170	O	Mango, juice	1.620000	1.000	1.000
95002171	O	Mango, juice-babyfood	1.620000	1.000	1.000
28002210	M	Meat, game	0.530000	1.000	1.000
27002220	D	Milk, fat	0.110000	1.000	1.000
27002221	D	Milk, fat - baby food/infant for	0.110000	1.000	1.000
27012230	D	Milk, nonfat solids	0.110000	1.000	1.000
27012231	D	Milk, nonfat solids-baby food/in	0.110000	1.000	1.000
27022240	D	Milk, water	0.110000	1.000	1.000
27022241	D	Milk, water-babyfood/infant form	0.110000	1.000	1.000
27032251	D	Milk, sugar (lactose)-baby food/	0.110000	1.000	1.000
15002260	15	Millet, grain	0.550000	1.000	1.000
05022290	5B	Mustard greens	1.908600	1.000	1.000
12002300	12	Nectarine	1.080000	1.000	1.000
15002310	15	Oat, bran	0.579900	1.000	1.000
15002320	15	Oat, flour	0.579900	1.000	1.000
15002321	15	Oat, flour-babyfood	0.579900	1.000	1.000
15002330	15	Oat, groats/rolled oats	0.579900	1.000	1.000
15002331	15	Oat, groats/rolled oats-babyfood	0.579900	1.000	1.000
08002340	8	Okra	2.160000	1.000	1.000
03002370	3	Onion, dry bulb	0.140000	1.000	1.000
03002371	3	Onion, dry bulb-babyfood	0.140000	1.000	1.000
03002380	3	Onion, dry bulb, dried	0.140000	9.000	1.000
03002381	3	Onion, dry bulb, dried-babyfood	0.140000	9.000	1.000
03002390	3	Onion, green	1.057700	1.000	1.000
10002400	10	Orange	0.460000	1.000	1.000
10002410	10	Orange, juice	0.460000	1.800	1.000
10002411	10	Orange, juice-babyfood	0.460000	1.800	1.000
10002420	10	Orange, peel	0.460000	1.000	1.000
95002450	O	Papaya	1.620600	1.000	1.000
95002451	O	Papaya-babyfood	1.620600	1.000	1.000
95002460	O	Papaya, dried	1.620600	1.000	1.000
95002470	O	Papaya, juice	1.620600	1.000	1.000
04012480	4A	Parsley, leaves	4.860000	1.000	1.000
01012500	1AB	Parsley, turnip rooted	0.020000	1.000	1.000
01012510	1AB	Parsnip	0.020000	1.000	1.000
01012511	1AB	Parsnip-babyfood	0.020000	1.000	1.000
06022550	6B	Pea, succulent	0.540000	1.000	1.000
06022551	6B	Pea, succulent-babyfood	0.540000	1.000	1.000
06032560	6C	Pea, dry	0.540000	1.000	1.000
06032561	6C	Pea, dry-babyfood	0.540000	1.000	1.000
06012570	6A	Pea, edible podded, succulent	0.540000	1.000	1.000

06032580	6C	Pea, pigeon, seed	0.230000	1.000	1.000
06022590	6B	Pea, pigeon, succulent	0.540000	1.000	1.000
12002600	12	Peach	1.080000	1.000	1.000
12002601	12	Peach-babyfood	1.080000	1.000	1.000
12002610	12	Peach, dried	1.080000	7.000	1.000
12002611	12	Peach, dried-babyfood	1.080000	7.000	1.000
12002620	12	Peach, juice	1.080000	1.000	1.000
12002621	12	Peach, juice-babyfood	1.080000	1.000	1.000
95002630	O	Peanut	2.320000	1.000	1.000
95002640	O	Peanut, butter	2.320000	1.000	1.000
95002650	O	Peanut, oil	2.320000	1.000	1.000
11002660	11	Pear	0.530000	1.000	1.000
11002661	11	Pear-babyfood	0.530000	1.000	1.000
11002670	11	Pear, dried	0.530000	6.250	1.000
11002680	11	Pear, juice	0.530000	1.000	1.000
11002681	11	Pear, juice-babyfood	0.530000	1.000	1.000
14002690	14	Pecan	0.130000	1.000	1.000
08002700	8	Pepper, bell	2.160000	1.000	1.000
08002701	8	Pepper, bell-babyfood	2.160000	1.000	1.000
08002710	8	Pepper, bell, dried	2.160000	1.000	1.000
08002711	8	Pepper, bell, dried-babyfood	2.160000	1.000	1.000
08002720	8	Pepper, nonbell	2.160000	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	2.160000	1.000	1.000
08002730	8	Pepper, nonbell, dried	2.160000	1.000	1.000
95002750	O	Peppermint	1.620000	1.000	1.000
95002760	O	Peppermint, oil	1.620000	1.000	1.000
95002790	O	Pineapple	1.590000	1.000	1.000
95002791	O	Pineapple-babyfood	1.590000	1.000	1.000
95002800	O	Pineapple, dried	1.590000	5.000	1.000
95002810	O	Pineapple, juice	1.590000	1.700	1.000
95002811	O	Pineapple, juice-babyfood	1.590000	1.700	1.000
14002820	14	Pistachio	0.050000	1.000	1.000
95002830	O	Plantain	2.160000	1.000	1.000
95002840	O	Plantain, dried	2.160000	3.900	1.000
12002850	12	Plum	1.080000	1.000	1.000
12002851	12	Plum-babyfood	1.080000	1.000	1.000
12002860	12	Plum, prune, fresh	4.320000	1.000	1.000
12002861	12	Plum, prune, fresh-babyfood	4.320000	1.000	1.000
12002870	12	Plum, prune, dried	4.320000	1.000	1.000
12002871	12	Plum, prune, dried-babyfood	4.320000	1.000	1.000
12002880	12	Plum, prune, juice	4.320000	1.400	1.000
12002881	12	Plum, prune, juice-babyfood	4.320000	1.400	1.000
25002900	M	Pork, meat	0.530000	1.000	1.000
25002901	M	Pork, meat-babyfood	0.530000	1.000	1.000
25002910	M	Pork, skin	0.530000	1.000	1.000
25002920	M	Pork, meat byproducts	0.530000	1.000	1.000
25002921	M	Pork, meat byproducts-babyfood	0.530000	1.000	1.000
25002930	M	Pork, fat	0.530000	1.000	1.000
25002931	M	Pork, fat-babyfood	0.530000	1.000	1.000
25002940	M	Pork, kidney	0.910000	1.000	1.000
25002950	M	Pork, liver	1.680000	1.000	1.000
01032960	1C	Potato, chips	0.003800	1.000	1.000
01032970	1C	Potato, dry (granules/ flakes)	0.003800	1.000	1.000
01032971	1C	Potato, dry (granules/ flakes)-b	0.003800	1.000	1.000
01032980	1C	Potato, flour	0.003800	1.000	1.000
01032981	1C	Potato, flour-babyfood	0.003800	1.000	1.000
01032990	1C	Potato, tuber, w/peel	0.003800	1.000	1.000
01032991	1C	Potato, tuber, w/peel-babyfood	0.003800	1.000	1.000
01033000	1C	Potato, tuber, w/o peel	0.003800	1.000	1.000
01033001	1C	Potato, tuber, w/o peel-babyfood	0.003800	1.000	1.000
60003010	P	Poultry, other, meat	0.030000	1.000	1.000
60003020	P	Poultry, other, liver	0.030000	1.000	1.000
60003030	P	Poultry, other, meat byproducts	0.030000	1.000	1.000
60003040	P	Poultry, other, fat	0.030000	1.000	1.000
60003050	P	Poultry, other, skin	0.030000	1.000	1.000
10003070	10	Pummelo	0.460000	1.000	1.000
09023080	9B	Pumpkin	0.110000	1.000	1.000
09023090	9B	Pumpkin, seed	0.110000	1.000	1.000
11003100	11	Quince	0.530000	1.000	1.000
29003120	M	Rabbit, meat	0.530000	1.000	1.000
04013130	4A	Radicchio	4.860000	1.000	1.000

01013140	1AB	Radish, roots	0.020000	1.000	1.000
02003150	2	Radish, tops	0.020000	1.000	1.000
01013160	1AB	Radish, Oriental, roots	0.020000	1.000	1.000
02003170	2	Radish, Oriental, tops	0.020000	1.000	1.000
05023180	5B	Rape greens	1.908600	1.000	1.000
20003190	20	Rapeseed, oil	0.050000	1.000	1.000
20003191	20	Rapeseed, oil-babyfood	0.050000	1.000	1.000
13013200	13A	Raspberry	1.080000	1.000	1.000
13013201	13A	Raspberry-babyfood	1.080000	1.000	1.000
13013210	13A	Raspberry, juice	1.080000	1.000	1.000
13013211	13A	Raspberry, juice-babyfood	1.080000	1.000	1.000
04023220	4B	Rhubarb	2.280000	1.000	1.000
15003230	15	Rice, white	3.190000	1.000	1.000
15003231	15	Rice, white-babyfood	3.190000	1.000	1.000
15003240	15	Rice, brown	3.190000	1.000	1.000
15003241	15	Rice, brown-babyfood	3.190000	1.000	1.000
15003250	15	Rice, flour	3.190000	1.000	1.000
15003251	15	Rice, flour-babyfood	3.190000	1.000	1.000
15003260	15	Rice, bran	3.190000	1.000	1.000
15003261	15	Rice, bran-babyfood	3.190000	1.000	1.000
01013270	1AB	Rutabaga	0.020000	1.000	1.000
15003280	15	Rye, grain	0.550000	1.000	1.000
15003290	15	Rye, flour	0.550000	1.000	1.000
01013310	1AB	Salsify, roots	0.020000	1.000	1.000
02003320	2	Salsify, tops	0.020000	1.000	1.000
95003330	0	Sapote, Mamey	1.620000	1.000	1.000
03003380	3	Shallot	1.057700	1.000	1.000
26003390	M	Sheep, meat	0.530000	1.000	1.000
26003391	M	Sheep, meat-babyfood	0.530000	1.000	1.000
26003400	M	Sheep, meat byproducts	0.530000	1.000	1.000
26003410	M	Sheep, fat	0.530000	1.000	1.000
26003411	M	Sheep, fat-babyfood	0.530000	1.000	1.000
26003420	M	Sheep, kidney	0.910000	1.000	1.000
26003430	M	Sheep, liver	1.680000	1.000	1.000
15003440	15	Sorghum, grain	0.550000	1.000	1.000
15003450	15	Sorghum, syrup	0.550000	1.000	1.000
06003470	6	Soybean, seed	9.100000	1.000	1.000
06003480	6	Soybean, flour	9.100000	1.000	1.000
06003481	6	Soybean, flour-babyfood	9.100000	1.000	1.000
06003490	6	Soybean, soy milk	9.100000	1.000	1.000
06003491	6	Soybean, soy milk-babyfood or in	9.100000	1.000	1.000
06003500	6	Soybean, oil	9.100000	1.000	1.000
06003501	6	Soybean, oil-babyfood	9.100000	1.000	1.000
95003520	0	Spearmint	1.620000	1.000	1.000
95003530	0	Spearmint, oil	1.620000	1.000	1.000
09023560	9B	Squash, summer	0.110000	1.000	1.000
09023561	9B	Squash, summer-babyfood	0.110000	1.000	1.000
09023570	9B	Squash, winter	0.110000	1.000	1.000
09023571	9B	Squash, winter-babyfood	0.110000	1.000	1.000
95003590	0	Strawberry	0.680000	1.000	1.000
95003591	0	Strawberry-babyfood	0.680000	1.000	1.000
95003600	0	Strawberry, juice	0.680000	1.000	1.000
95003601	0	Strawberry, juice-babyfood	0.680000	1.000	1.000
95003620	0	Sugarcane, sugar	0.170000	1.000	1.000
95003621	0	Sugarcane, sugar-babyfood	0.170000	1.000	1.000
95003630	0	Sugarcane, molasses	0.170000	1.000	1.000
95003631	0	Sugarcane, molasses-babyfood	0.170000	1.000	1.000
20003640	20	Sunflower, seed	0.030000	1.000	1.000
20003650	20	Sunflower, oil	0.030000	1.000	1.000
20003651	20	Sunflower, oil-babyfood	0.030000	1.000	1.000
01033660	1CD	Sweet potato	0.003800	1.000	1.000
01033661	1CD	Sweet potato-babyfood	0.003800	1.000	1.000
04023670	4B	Swiss chard	2.280000	1.000	1.000
10003690	10	Tangerine	0.460000	1.000	1.000
10003700	10	Tangerine, juice	0.460000	2.300	1.000
01033710	1CD	Tanier, corm	0.003800	1.000	1.000
08003740	8	Tomatillo	2.160000	1.000	1.000
08003750	8	Tomato	0.230000	1.000	1.000
08003751	8	Tomato-babyfood	0.230000	1.000	1.000
08003760	8	Tomato, paste	0.540000	1.000	1.000
08003761	8	Tomato, paste-babyfood	0.540000	1.000	1.000

08003770	8	Tomato, puree	0.270000	1.000	1.000
08003771	8	Tomato, puree-babyfood	0.270000	1.000	1.000
08003780	8	Tomato, dried	0.230000	14.300	1.000
08003781	8	Tomato, dried-babyfood	0.230000	14.300	1.000
08003790	8	Tomato, juice	0.230000	1.500	1.000
15003810	15	Triticale, flour	0.103700	1.000	1.000
15003811	15	Triticale, flour-babyfood	0.103700	1.000	1.000
50003820	P	Turkey, meat	0.030000	1.000	1.000
50003821	P	Turkey, meat-babyfood	0.030000	1.000	1.000
50003830	P	Turkey, liver	0.030000	1.000	1.000
50003831	P	Turkey, liver-babyfood	0.030000	1.000	1.000
50003840	P	Turkey, meat byproducts	0.030000	1.000	1.000
50003841	P	Turkey, meat byproducts-babyfood	0.030000	1.000	1.000
50003850	P	Turkey, fat	0.030000	1.000	1.000
50003851	P	Turkey, fat-babyfood	0.030000	1.000	1.000
50003860	P	Turkey, skin	0.030000	1.000	1.000
50003861	P	Turkey, skin-babyfood	0.030000	1.000	1.000
01033870	1CD	Turmeric	0.003800	1.000	1.000
05023890	5B	Turnip, greens	2.280000	1.000	1.000
01013880	1AB	Turnip, roots	0.200000	1.000	1.000
14003910	14	Walnut	0.190000	1.000	1.000
86010000	O	Water, direct, all sources	0.038000	1.000	1.000
86020000	O	Water, indirect, all sources	0.038000	1.000	1.000
09013990	9A	Watermelon	0.110000	1.000	1.000
09014000	9A	Watermelon, juice	0.110000	1.000	1.000
15004010	15	Wheat, grain	0.103700	1.000	1.000
15004011	15	Wheat, grain-babyfood	0.103700	1.000	1.000
15004020	15	Wheat, flour	0.103700	1.000	1.000
15004021	15	Wheat, flour-babyfood	0.103700	1.000	1.000
15004030	15	Wheat, germ	0.103700	1.000	1.000
15004040	15	Wheat, bran	0.103700	1.000	1.000
15004050	15	Wild rice	3.190000	1.000	1.000
01034060	1CD	Yam, true	0.003800	1.000	1.000
01034070	1CD	Yam bean	0.003800	1.000	1.000

Attachment 3. Residue inputs and assumptions used in the chronic assessment of free triazole.

Filename: C:\Documents and Settings\mdoherty\My Documents\Chemistry Reviews\DEEM
Runs\Triazoles\Triazole-Chronic-3-08.R98

Chemical: 1,2,4-Triazole

RfD(Chronic): .005 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day

RfD(Acute): .03 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day

Date created/last modified: 03-07-2008/19:20:45/8 Program ver. 2.03

Comment: RfDs are PADs. aPAD for Females 13-49, Infants, and children = 0.03 mg/kg/day

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj. Factors		Comment
				#1	#2	
14000030	14	Almond	0.012000	1.000	1.000	
14000031	14	Almond-babyfood	0.012000	1.000	1.000	
14000040	14	Almond, oil	0.012000	1.000	1.000	
14000041	14	Almond, oil-babyfood	0.012000	1.000	1.000	
04010050	4A	Amaranth, leafy	0.645800	1.000	1.000	
11000070	11	Apple, fruit with peel	0.028000	1.000	1.000	
11000080	11	Apple, peeled fruit	0.028000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	0.028000	1.000	1.000	
11000090	11	Apple, dried	0.028000	8.000	1.000	
11000091	11	Apple, dried-babyfood	0.028000	8.000	1.000	
11000100	11	Apple, juice	0.028000	1.300	1.000	
11000101	11	Apple, juice-babyfood	0.028000	1.300	1.000	
11000110	11	Apple, sauce	0.028000	1.000	1.000	
11000111	11	Apple, sauce-babyfood	0.028000	1.000	1.000	
12000120	12	Apricot	0.085800	1.000	1.000	
12000121	12	Apricot-babyfood	0.085800	1.000	1.000	
12000130	12	Apricot, dried	0.085800	6.000	1.000	
12000140	12	Apricot, juice	0.085800	1.000	1.000	
12000141	12	Apricot, juice-babyfood	0.085800	1.000	1.000	
01030150	1CD	Arrowroot, flour	0.001400	1.000	1.000	
01030151	1CD	Arrowroot, flour-babyfood	0.001400	1.000	1.000	
95000160	O	Artichoke, globe	0.065500	1.000	1.000	
01030170	1CD	Artichoke, Jerusalem	0.001400	1.000	1.000	
04010180	4A	Arugula	0.645800	1.000	1.000	
95000190	O	Asparagus	0.005600	1.000	1.000	
09020210	9B	Balsam pear	0.010000	1.000	1.000	
95000230	O	Banana	0.023800	1.000	1.000	
95000231	O	Banana-babyfood	0.023800	1.000	1.000	
95000240	O	Banana, dried	0.023800	3.900	1.000	
95000241	O	Banana, dried-babyfood	0.023800	3.900	1.000	
15000250	15	Barley, pearled barley	0.040000	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	0.040000	1.000	1.000	
15000260	15	Barley, flour	0.040000	1.000	1.000	
15000261	15	Barley, flour-babyfood	0.040000	1.000	1.000	
15000270	15	Barley, bran	0.040000	1.000	1.000	
06030300	6C	Bean, black, seed	0.013700	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.029100	1.000	1.000	
06030320	6C	Bean, broad, seed	0.013700	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.029100	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.013700	1.000	1.000	
06030350	6C	Bean, great northern, seed	0.013700	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.013700	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.029100	1.000	1.000	
06030380	6C	Bean, lima, seed	0.013700	1.000	1.000	
06030390	6C	Bean, mung, seed	0.013700	1.000	1.000	
06030400	6C	Bean, navy, seed	0.013700	1.000	1.000	
06030410	6C	Bean, pink, seed	0.013700	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.013700	1.000	1.000	
06010430	6A	Bean, snap, succulent	0.029100	1.000	1.000	
06010431	6A	Bean, snap, succulent-babyfood	0.029100	1.000	1.000	
21000440	M	Beef, meat	0.025400	1.000	1.000	
21000441	M	Beef, meat-babyfood	0.025400	1.000	1.000	
21000450	M	Beef, meat, dried	0.025400	1.920	1.000	
21000460	M	Beef, meat byproducts	0.025300	1.000	1.000	
21000461	M	Beef, meat byproducts-babyfood	0.025300	1.000	1.000	
21000470	M	Beef, fat	0.032300	1.000	1.000	
21000471	M	Beef, fat-babyfood	0.032300	1.000	1.000	

21000480	M	Beef, kidney	0.031600	1.000	1.000
21000490	M	Beef, liver	0.223600	1.000	1.000
21000491	M	Beef, liver-babyfood	0.223600	1.000	1.000
01010500	1AB	Beet, garden, roots	0.039900	1.000	1.000
01010501	1AB	Beet, garden, roots-babyfood	0.039900	1.000	1.000
02000510	2	Beet, garden, tops	0.002100	1.000	1.000
01010520	1A	Beet, sugar	0.010900	1.000	1.000
01010521	1A	Beet, sugar-babyfood	0.010900	1.000	1.000
01010530	1A	Beet, sugar, molasses	0.051700	1.000	1.000
01010531	1A	Beet, sugar, molasses-babyfood	0.051700	1.000	1.000
13010550	13A	Blackberry	0.130500	1.000	1.000
13010560	13A	Blackberry, juice	0.130500	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	0.130500	1.000	1.000
13020570	13B	Blueberry	0.032100	1.000	1.000
13020571	13B	Blueberry-babyfood	0.032100	1.000	1.000
13010580	13A	Boysenberry	0.130500	1.000	1.000
14000590	14	Brazil nut	0.005500	1.000	1.000
05010610	5A	Broccoli	0.002100	1.000	1.000
05010611	5A	Broccoli-babyfood	0.002100	1.000	1.000
05010620	5A	Broccoli, Chinese	0.002100	1.000	1.000
05020630	5B	Broccoli raab	0.072300	1.000	1.000
05010640	5A	Brussels sprouts	0.002100	1.000	1.000
15000650	15	Buckwheat	0.003700	1.000	1.000
15000660	15	Buckwheat, flour	0.003700	1.000	1.000
01010670	1AB	Burdock	0.002100	1.000	1.000
14000680	14	Butternut	0.005500	1.000	1.000
05010690	5A	Cabbage	0.002100	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	0.072300	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	0.002100	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	0.002100	1.000	1.000
95000740	O	Canistel	0.215300	1.000	1.000
09010750	9A	Cantaloupe	0.010000	1.000	1.000
04020760	4B	Cardoon	0.127200	1.000	1.000
01010780	1AB	Carrot	0.010100	1.000	1.000
01010781	1AB	Carrot-babyfood	0.010100	1.000	1.000
01010790	1AB	Carrot, juice	0.010100	1.000	1.000
09010800	9A	Casaba	0.010000	1.000	1.000
14000810	14	Cashew	0.005500	1.000	1.000
01030820	1CD	Cassava	0.001400	1.000	1.000
01030821	1CD	Cassava-babyfood	0.001400	1.000	1.000
05010830	5A	Cauliflower	0.002100	1.000	1.000
01010840	1AB	Celeriac	0.002100	1.000	1.000
04020850	4B	Celery	0.127200	1.000	1.000
04020851	4B	Celery-babyfood	0.127200	1.000	1.000
04020860	4B	Celery, juice	0.127200	1.000	1.000
04020870	4B	Celtuce	0.127200	1.000	1.000
09020880	9B	Chayote, fruit	0.010000	1.000	1.000
12000900	12	Cherry	0.182400	1.000	1.000
12000901	12	Cherry-babyfood	0.182400	1.000	1.000
12000910	12	Cherry, juice	0.182400	1.500	1.000
12000911	12	Cherry, juice-babyfood	0.182400	1.500	1.000
14000920	14	Chestnut	0.005500	1.000	1.000
40000930	P	Chicken, meat	0.005100	1.000	1.000
40000931	P	Chicken, meat-babyfood	0.005100	1.000	1.000
40000940	P	Chicken, liver	0.005600	1.000	1.000
40000950	P	Chicken, meat byproducts	0.003600	1.000	1.000
40000951	P	Chicken, meat byproducts-babyfoo	0.003600	1.000	1.000
40000960	P	Chicken, fat	0.003800	1.000	1.000
40000961	P	Chicken, fat-babyfood	0.003800	1.000	1.000
40000970	P	Chicken, skin	0.003800	1.000	1.000
40000971	P	Chicken, skin-babyfood	0.003800	1.000	1.000
06030980	6C	Chickpea, seed	0.002100	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.002100	1.000	1.000
06030990	6C	Chickpea, flour	0.002100	1.000	1.000
01011000	1AB	Chicory, roots	0.002100	1.000	1.000
02001010	2	Chicory, tops	0.002100	1.000	1.000
09021020	9B	Chinese waxgourd	0.010000	1.000	1.000
04011040	4A	Chrysanthemum, garland	0.645800	1.000	1.000
10001060	10	Citrus citron	0.043600	1.000	1.000
10001070	10	Citrus hybrids	0.043600	1.000	1.000
10001080	10	Citrus, oil	0.043600	1.000	1.000

95001150	O	Coffee, roasted bean	0.000500	1.000	1.000
95001160	O	Coffee, instant	0.000500	1.000	1.000
05021170	5B	Collards	0.072300	1.000	1.000
19011180	19A	Coriander, leaves	0.645800	1.000	1.000
19011181	19A	Coriander, leaves-babyfood	0.645800	1.000	1.000
15001200	15	Corn, field, flour	0.003200	1.000	1.000
15001201	15	Corn, field, flour-babyfood	0.003200	1.000	1.000
15001210	15	Corn, field, meal	0.003200	1.000	1.000
15001211	15	Corn, field, meal-babyfood	0.003200	1.000	1.000
15001220	15	Corn, field, bran	0.003200	1.000	1.000
15001230	15	Corn, field, starch	0.003200	1.000	1.000
15001231	15	Corn, field, starch-babyfood	0.003200	1.000	1.000
15001240	15	Corn, field, syrup	0.003200	1.500	1.000
15001241	15	Corn, field, syrup-babyfood	0.003200	1.500	1.000
15001250	15	Corn, field, oil	0.003200	1.000	1.000
15001251	15	Corn, field, oil-babyfood	0.003200	1.000	1.000
15001260	15	Corn, pop	0.003100	1.000	1.000
15001270	15	Corn, sweet	0.003100	1.000	1.000
15001271	15	Corn, sweet-babyfood	0.003100	1.000	1.000
95001280	O	Cottonseed, oil	0.030000	1.000	1.000
95001281	O	Cottonseed, oil-babyfood	0.030000	1.000	1.000
11001290	11	Crabapple	0.028000	1.000	1.000
95001300	O	Cranberry	0.026600	1.000	1.000
95001301	O	Cranberry-babyfood	0.026600	1.000	1.000
95001310	O	Cranberry, dried	0.026600	4.000	1.000
95001320	O	Cranberry, juice	0.026600	1.100	1.000
95001321	O	Cranberry, juice-babyfood	0.026600	1.100	1.000
04011330	4A	Cress, garden	0.645800	1.000	1.000
04011340	4A	Cress, upland	0.645800	1.000	1.000
09021350	9B	Cucumber	0.010000	1.000	1.000
13021360	13B	Currant	0.132800	1.000	1.000
13021370	13B	Currant, dried	0.132800	1.000	1.000
04011380	4A	Dandelion, leaves	0.645800	1.000	1.000
01031390	1CD	Dasheen, corm	0.001400	1.000	1.000
02001400	2	Dasheen, leaves	0.002100	1.000	1.000
13011420	13A	Dewberry	0.130500	1.000	1.000
70001450	P	Egg, whole	0.005600	1.000	1.000
70001451	P	Egg, whole-babyfood	0.005600	1.000	1.000
70001460	P	Egg, white	0.005600	1.000	1.000
70001461	P	Egg, white (solids)-babyfood	0.005600	1.000	1.000
70001470	P	Egg, yolk	0.005600	1.000	1.000
70001471	P	Egg, yolk-babyfood	0.005600	1.000	1.000
08001480	8	Eggplant	0.160900	1.000	1.000
13021490	13B	Elderberry	0.050500	1.000	1.000
04011500	4A	Endive	0.645800	1.000	1.000
04021520	4B	Fennel, Florence	0.127200	1.000	1.000
14001550	14	Filbert	0.005500	1.000	1.000
14001560	14	Filbert, oil	0.005500	1.000	1.000
03001640	3	Garlic	0.010400	1.000	1.000
03001650	3	Garlic, dried	0.010400	1.000	1.000
03001651	3	Garlic, dried-babyfood	0.010400	1.000	1.000
01031660	1CD	Ginger	0.001400	1.000	1.000
01031661	1CD	Ginger-babyfood	0.001400	1.000	1.000
01031670	1CD	Ginger, dried	0.001400	1.000	1.000
01011680	1AB	Ginseng, dried	0.002100	1.000	1.000
23001690	M	Goat, meat	0.025400	1.000	1.000
23001700	M	Goat, meat byproducts	0.025300	1.000	1.000
23001710	M	Goat, fat	0.032300	1.000	1.000
23001720	M	Goat, kidney	0.031600	1.000	1.000
23001730	M	Goat, liver	0.223600	1.000	1.000
13021740	13B	Gooseberry	0.143500	1.000	1.000
95001750	O	Grape	0.033700	1.000	1.000
95001760	O	Grape, juice	0.033700	1.200	1.000
95001761	O	Grape, juice-babyfood	0.033700	1.200	1.000
95001770	O	Grape, leaves	0.033700	1.000	1.000
95001780	O	Grape, raisin	0.349200	1.000	1.000
95001790	O	Grape, wine and sherry	0.033700	1.200	1.000
10001800	10	Grapefruit	0.043600	1.000	1.000
10001810	10	Grapefruit, juice	0.043600	2.100	1.000
06031820	6C	Guar, seed	0.013700	1.000	1.000
06031821	6C	Guar, seed-babyfood	0.013700	1.000	1.000

14001850	14	Hickory nut	0.005500	1.000	1.000
09011870	9A	Honeydew melon	0.010000	1.000	1.000
95001880	O	Hop	1.213600	1.000	1.000
24001890	M	Horse, meat	0.025400	1.000	1.000
01011900	1AB	Horseradish	0.002100	1.000	1.000
13021910	13B	Huckleberry	0.032100	1.000	1.000
05021940	5B	Kale	0.072300	1.000	1.000
05011960	5A	Kohlrabi	0.002100	1.000	1.000
10001970	10	Kumquat	0.043600	1.000	1.000
03001980	3	Leek	0.013600	1.000	1.000
10001990	10	Lemon	0.043600	1.000	1.000
10002000	10	Lemon, juice	0.043600	2.000	1.000
10002001	10	Lemon, juice-babyfood	0.043600	2.000	1.000
10002010	10	Lemon, peel	0.043600	1.000	1.000
06032030	6C	Lentil, seed	0.013700	1.000	1.000
04012040	4A	Lettuce, head	0.645800	1.000	1.000
04012050	4A	Lettuce, leaf	0.645800	1.000	1.000
10002060	10	Lime	0.043600	1.000	1.000
10002070	10	Lime, juice	0.043600	2.000	1.000
10002071	10	Lime, juice-babyfood	0.043600	2.000	1.000
13012080	13A	Loganberry	0.130500	1.000	1.000
11002100	11	Loquat	0.028000	1.000	1.000
95002110	O	Lychee	0.085500	1.000	1.000
95002120	O	Lychee, dried	0.085500	1.850	1.000
14002130	14	Macadamia nut	0.005500	1.000	1.000
95002150	O	Mango	0.113300	1.000	1.000
95002151	O	Mango-babyfood	0.113300	1.000	1.000
95002160	O	Mango, dried	0.113300	1.000	1.000
95002170	O	Mango, juice	0.113300	1.000	1.000
95002171	O	Mango, juice-babyfood	0.113300	1.000	1.000
28002210	M	Meat, game	0.025400	1.000	1.000
27002220	D	Milk, fat	0.005200	1.000	1.000
27002221	D	Milk, fat - baby food/infant for	0.005200	1.000	1.000
27012230	D	Milk, nonfat solids	0.005200	1.000	1.000
27012231	D	Milk, nonfat solids-baby food/in	0.005200	1.000	1.000
27022240	D	Milk, water	0.005200	1.000	1.000
27022241	D	Milk, water-babyfood/infant form	0.005200	1.000	1.000
27032251	D	Milk, sugar (lactose)-baby food/	0.005200	1.000	1.000
15002260	15	Millet, grain	0.003700	1.000	1.000
05022290	5B	Mustard greens	0.072300	1.000	1.000
12002300	12	Nectarine	0.085800	1.000	1.000
15002310	15	Oat, bran	0.004200	1.000	1.000
15002320	15	Oat, flour	0.004200	1.000	1.000
15002321	15	Oat, flour-babyfood	0.004200	1.000	1.000
15002330	15	Oat, groats/rolled oats	0.004200	1.000	1.000
15002331	15	Oat, groats/rolled oats-babyfood	0.004200	1.000	1.000
08002340	8	Okra	0.172000	1.000	1.000
03002370	3	Onion, dry bulb	0.010400	1.000	1.000
03002371	3	Onion, dry bulb-babyfood	0.010400	1.000	1.000
03002380	3	Onion, dry bulb, dried	0.010400	1.000	1.000
03002381	3	Onion, dry bulb, dried-babyfood	0.010400	1.000	1.000
03002390	3	Onion, green	0.013600	1.000	1.000
10002400	10	Orange	0.043600	1.000	1.000
10002410	10	Orange, juice	0.043600	1.800	1.000
10002411	10	Orange, juice-babyfood	0.043600	1.800	1.000
10002420	10	Orange, peel	0.043600	1.000	1.000
95002450	O	Papaya	0.116300	1.000	1.000
95002451	O	Papaya-babyfood	0.116300	1.000	1.000
95002460	O	Papaya, dried	0.116300	1.000	1.000
95002470	O	Papaya, juice	0.116300	1.000	1.000
04012480	4A	Parsley, leaves	0.645800	1.000	1.000
01012500	1AB	Parsley, turnip rooted	0.002100	1.000	1.000
01012510	1AB	Parsnip	0.002100	1.000	1.000
01012511	1AB	Parsnip-babyfood	0.002100	1.000	1.000
06022550	6B	Pea, succulent	0.002100	1.000	1.000
06022551	6B	Pea, succulent-babyfood	0.002100	1.000	1.000
06032560	6C	Pea, dry	0.002100	1.000	1.000
06032561	6C	Pea, dry-babyfood	0.002100	1.000	1.000
06012570	6A	Pea, edible podded, succulent	0.029100	1.000	1.000
06032580	6C	Pea, pigeon, seed	0.013700	1.000	1.000
06022590	6B	Pea, pigeon, succulent	0.029100	1.000	1.000

12002600	12	Peach	0.085800	1.000	1.000
12002601	12	Peach-babyfood	0.085800	1.000	1.000
12002610	12	Peach, dried	0.085800	7.000	1.000
12002611	12	Peach, dried-babyfood	0.085800	7.000	1.000
12002620	12	Peach, juice	0.085800	1.000	1.000
12002621	12	Peach, juice-babyfood	0.085800	1.000	1.000
95002630	0	Peanut	0.005300	1.000	1.000
95002640	0	Peanut, butter	0.026600	1.000	1.000
95002650	0	Peanut, oil	0.026600	1.000	1.000
11002660	11	Pear	0.028000	1.000	1.000
11002661	11	Pear-babyfood	0.028000	1.000	1.000
11002670	11	Pear, dried	0.028000	6.250	1.000
11002680	11	Pear, juice	0.028000	1.000	1.000
11002681	11	Pear, juice-babyfood	0.028000	1.000	1.000
14002690	14	Pecan	0.021800	1.000	1.000
08002700	8	Pepper, bell	0.160900	1.000	1.000
08002701	8	Pepper, bell-babyfood	0.160900	1.000	1.000
08002710	8	Pepper, bell, dried	0.160900	1.000	1.000
08002711	8	Pepper, bell, dried-babyfood	0.160900	1.000	1.000
08002720	8	Pepper, nonbell	0.160900	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	0.160900	1.000	1.000
08002730	8	Pepper, nonbell, dried	0.160900	1.000	1.000
95002750	0	Peppermint	0.215300	1.000	1.000
95002760	0	Peppermint, oil	0.215300	1.000	1.000
95002790	0	Pineapple	0.150700	1.000	1.000
95002791	0	Pineapple-babyfood	0.150700	1.000	1.000
95002800	0	Pineapple, dried	0.150700	5.000	1.000
95002810	0	Pineapple, juice	0.150700	1.700	1.000
95002811	0	Pineapple, juice-babyfood	0.150700	1.700	1.000
14002820	14	Pistachio	0.005500	1.000	1.000
95002830	0	Plantain	0.023800	1.000	1.000
95002840	0	Plantain, dried	0.023800	3.900	1.000
12002850	12	Plum	0.085800	1.000	1.000
12002851	12	Plum-babyfood	0.085800	1.000	1.000
12002860	12	Plum, prune, fresh	0.193500	1.000	1.000
12002861	12	Plum, prune, fresh-babyfood	0.193500	1.000	1.000
12002870	12	Plum, prune, dried	0.193500	5.000	1.000
12002871	12	Plum, prune, dried-babyfood	0.193500	5.000	1.000
12002880	12	Plum, prune, juice	0.193500	1.400	1.000
12002881	12	Plum, prune, juice-babyfood	0.193500	1.400	1.000
25002900	M	Pork, meat	0.025400	1.000	1.000
25002901	M	Pork, meat-babyfood	0.025400	1.000	1.000
25002910	M	Pork, skin	0.032300	1.000	1.000
25002920	M	Pork, meat byproducts	0.025300	1.000	1.000
25002921	M	Pork, meat byproducts-babyfood	0.025300	1.000	1.000
25002930	M	Pork, fat	0.032300	1.000	1.000
25002931	M	Pork, fat-babyfood	0.032300	1.000	1.000
25002940	M	Pork, kidney	0.031600	1.000	1.000
25002950	M	Pork, liver	0.223600	1.000	1.000
01032960	1C	Potato, chips	0.001400	1.000	1.000
01032970	1C	Potato, dry (granules/ flakes)	0.001400	6.500	1.000
01032971	1C	Potato, dry (granules/ flakes)-b	0.001400	6.500	1.000
01032980	1C	Potato, flour	0.001400	1.000	1.000
01032981	1C	Potato, flour-babyfood	0.001400	1.000	1.000
01032990	1C	Potato, tuber, w/peel	0.001400	1.000	1.000
01032991	1C	Potato, tuber, w/peel-babyfood	0.001400	1.000	1.000
01033000	1C	Potato, tuber, w/o peel	0.001400	1.000	1.000
01033001	1C	Potato, tuber, w/o peel-babyfood	0.001400	1.000	1.000
60003010	P	Poultry, other, meat	0.005100	1.000	1.000
60003020	P	Poultry, other, liver	0.005600	1.000	1.000
60003030	P	Poultry, other, meat byproducts	0.003600	1.000	1.000
60003040	P	Poultry, other, fat	0.003800	1.000	1.000
60003050	P	Poultry, other, skin	0.003800	1.000	1.000
10003070	10	Pummelo	0.043600	1.000	1.000
09023080	9B	Pumpkin	0.010000	1.000	1.000
09023090	9B	Pumpkin, seed	0.010000	1.000	1.000
11003100	11	Quince	0.028000	1.000	1.000
29003120	M	Rabbit, meat	0.025400	1.000	1.000
04013130	4A	Radicchio	0.645800	1.000	1.000
01013140	1AB	Radish, roots	0.002100	1.000	1.000
02003150	2	Radish, tops	0.002100	1.000	1.000

01013160	1AB	Radish, Oriental, roots	0.002100	1.000	1.000
02003170	2	Radish, Oriental, tops	0.002100	1.000	1.000
05023180	5B	Rape greens	0.072300	1.000	1.000
20003190	20	Rapeseed, oil	0.008200	1.000	1.000
20003191	20	Rapeseed, oil-babyfood	0.008200	1.000	1.000
13013200	13A	Raspberry	0.130500	1.000	1.000
13013201	13A	Raspberry-babyfood	0.130500	1.000	1.000
13013210	13A	Raspberry, juice	0.130500	1.000	1.000
13013211	13A	Raspberry, juice-babyfood	0.130500	1.000	1.000
04023220	4B	Rhubarb	0.127200	1.000	1.000
15003230	15	Rice, white	0.093200	1.000	1.000
15003231	15	Rice, white-babyfood	0.093200	1.000	1.000
15003240	15	Rice, brown	0.093200	1.000	1.000
15003241	15	Rice, brown-babyfood	0.093200	1.000	1.000
15003250	15	Rice, flour	0.093200	1.000	1.000
15003251	15	Rice, flour-babyfood	0.093200	1.000	1.000
15003260	15	Rice, bran	0.093200	1.000	1.000
15003261	15	Rice, bran-babyfood	0.093200	1.000	1.000
01013270	1AB	Rutabaga	0.002100	1.000	1.000
15003280	15	Rye, grain	0.040000	1.000	1.000
15003290	15	Rye, flour	0.040000	1.000	1.000
01013310	1AB	Salsify, roots	0.002100	1.000	1.000
02003320	2	Salsify, tops	0.002100	1.000	1.000
95003330	O	Sapote, Mamey	0.215300	1.000	1.000
03003380	3	Shallot	0.013600	1.000	1.000
26003390	M	Sheep, meat	0.025400	1.000	1.000
26003391	M	Sheep, meat-babyfood	0.025400	1.000	1.000
26003400	M	Sheep, meat byproducts	0.025300	1.000	1.000
26003410	M	Sheep, fat	0.032300	1.000	1.000
26003411	M	Sheep, fat-babyfood	0.032300	1.000	1.000
26003420	M	Sheep, kidney	0.031600	1.000	1.000
26003430	M	Sheep, liver	0.223600	1.000	1.000
15003440	15	Sorghum, grain	0.005600	1.000	1.000
15003450	15	Sorghum, syrup	0.005600	1.000	1.000
06003470	6	Soybean, seed	0.013600	1.000	1.000
06003480	6	Soybean, flour	0.013600	1.000	1.000
06003481	6	Soybean, flour-babyfood	0.013600	1.000	1.000
06003490	6	Soybean, soy milk	0.013600	1.000	1.000
06003491	6	Soybean, soy milk-babyfood or in	0.013600	1.000	1.000
06003500	6	Soybean, oil	0.036100	1.000	1.000
06003501	6	Soybean, oil-babyfood	0.036100	1.000	1.000
95003520	O	Spearmint	0.215300	1.000	1.000
95003530	O	Spearmint, oil	0.215300	1.000	1.000
09023560	9B	Squash, summer	0.010000	1.000	1.000
09023561	9B	Squash, summer-babyfood	0.010000	1.000	1.000
09023570	9B	Squash, winter	0.010000	1.000	1.000
09023571	9B	Squash, winter-babyfood	0.010000	1.000	1.000
95003590	O	Strawberry	0.031500	1.000	1.000
95003591	O	Strawberry-babyfood	0.031500	1.000	1.000
95003600	O	Strawberry, juice	0.031500	1.000	1.000
95003601	O	Strawberry, juice-babyfood	0.031500	1.000	1.000
20003640	20	Sunflower, seed	0.002800	1.000	1.000
20003650	20	Sunflower, oil	0.002800	1.000	1.000
20003651	20	Sunflower, oil-babyfood	0.002800	1.000	1.000
01033660	1CD	Sweet potato	0.001400	1.000	1.000
01033661	1CD	Sweet potato-babyfood	0.001400	1.000	1.000
04023670	4B	Swiss chard	0.127200	1.000	1.000
10003690	10	Tangerine	0.043600	1.000	1.000
10003700	10	Tangerine, juice	0.043600	2.300	1.000
01033710	1CD	Tanier, corm	0.001400	1.000	1.000
08003740	8	Tomatillo	0.160900	1.000	1.000
08003750	8	Tomato	0.015700	1.000	1.000
08003751	8	Tomato-babyfood	0.015700	1.000	1.000
08003760	8	Tomato, paste	0.053200	5.400	1.000
08003761	8	Tomato, paste-babyfood	0.053200	5.400	1.000
08003770	8	Tomato, puree	0.035300	3.300	1.000
08003771	8	Tomato, puree-babyfood	0.035300	3.300	1.000
08003780	8	Tomato, dried	0.015700	14.300	1.000
08003781	8	Tomato, dried-babyfood	0.015700	14.300	1.000
08003790	8	Tomato, juice	0.015700	1.500	1.000
15003810	15	Triticale, flour	0.003700	1.000	1.000

15003811	15	Triticale, flour-babyfood	0.003700	1.000	1.000
50003820	P	Turkey, meat	0.005100	1.000	1.000
50003821	P	Turkey, meat-babyfood	0.005100	1.000	1.000
50003830	P	Turkey, liver	0.005600	1.000	1.000
50003831	P	Turkey, liver-babyfood	0.005600	1.000	1.000
50003840	P	Turkey, meat byproducts	0.003600	1.000	1.000
50003841	P	Turkey, meat byproducts-babyfood	0.003600	1.000	1.000
50003850	P	Turkey, fat	0.003800	1.000	1.000
50003851	P	Turkey, fat-babyfood	0.003800	1.000	1.000
50003860	P	Turkey, skin	0.003800	1.000	1.000
50003861	P	Turkey, skin-babyfood	0.003800	1.000	1.000
01033870	1CD	Turmeric	0.001400	1.000	1.000
05023890	5B	Turnip, greens	0.363800	1.000	1.000
01013880	1AB	Turnip, roots	0.022800	1.000	1.000
14003910	14	Walnut	0.005500	1.000	1.000
86010000	O	Water, direct, all sources	0.011000	1.000	1.000
86020000	O	Water, indirect, all sources	0.011000	1.000	1.000
09013990	9A	Watermelon	0.010000	1.000	1.000
09014000	9A	Watermelon, juice	0.010000	1.000	1.000
15004010	15	Wheat, grain	0.003700	1.000	1.000
15004011	15	Wheat, grain-babyfood	0.003700	1.000	1.000
15004020	15	Wheat, flour	0.003700	1.000	1.000
15004021	15	Wheat, flour-babyfood	0.003700	1.000	1.000
15004030	15	Wheat, germ	0.003700	1.000	1.000
15004040	15	Wheat, bran	0.003700	1.000	1.000
15004050	15	Wild rice	0.013700	1.000	1.000
01034060	1CD	Yam, true	0.001400	1.000	1.000
01034070	1CD	Yam bean	0.001400	1.000	1.000

Attachment 4. Residue inputs and assumptions used in the chronic assessment of the conjugated triazole metabolites.

Filename: C:\Documents and Settings\mdoherty\My Documents\Chemistry Reviews\DEEM
 Runs\Triazoles\TA+TAA Chronic-3-08.R98
 Chemical: TA/TAA
 RfD(Chronic): .09 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day
 RfD(Acute): .1 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day
 Date created/last modified: 03-27-2008/13:36:46/8 Program ver. 2.03
 Comment: RfDs are PADs. aPAD for Females 13-49 only

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj.Factors		Comment
				#1	#2	
14000030	14	Almond	0.110000	1.000	1.000	
14000031	14	Almond-babyfood	0.110000	1.000	1.000	
14000040	14	Almond, oil	0.110000	1.000	1.000	
14000041	14	Almond, oil-babyfood	0.110000	1.000	1.000	
04010050	4A	Amaranth, leafy	4.860000	1.000	1.000	
11000070	11	Apple, fruit with peel	0.280000	1.000	1.000	
11000080	11	Apple, peeled fruit	0.280000	1.000	1.000	
11000081	11	Apple, peeled fruit-babyfood	0.280000	1.000	1.000	
11000090	11	Apple, dried	0.280000	8.000	1.000	
11000091	11	Apple, dried-babyfood	0.280000	8.000	1.000	
11000100	11	Apple, juice	0.280000	1.300	1.000	
11000101	11	Apple, juice-babyfood	0.280000	1.300	1.000	
11000110	11	Apple, sauce	0.280000	1.000	1.000	
11000111	11	Apple, sauce-babyfood	0.280000	1.000	1.000	
12000120	12	Apricot	0.950000	1.000	1.000	
12000121	12	Apricot-babyfood	0.950000	1.000	1.000	
12000130	12	Apricot, dried	0.950000	6.000	1.000	
12000140	12	Apricot, juice	0.950000	1.000	1.000	
12000141	12	Apricot, juice-babyfood	0.950000	1.000	1.000	
01030150	1CD	Arrowroot, flour	0.003800	1.000	1.000	
01030151	1CD	Arrowroot, flour-babyfood	0.003800	1.000	1.000	
95000160	O	Artichoke, globe	0.430000	1.000	1.000	
01030170	1CD	Artichoke, Jerusalem	0.003800	1.000	1.000	
04010180	4A	Arugula	4.860000	1.000	1.000	
95000190	O	Asparagus	0.030000	1.000	1.000	
09020210	9B	Balsam pear	0.080000	1.000	1.000	
95000230	O	Banana	0.570000	1.000	1.000	
95000231	O	Banana-babyfood	0.570000	1.000	1.000	
95000240	O	Banana, dried	0.570000	3.900	1.000	
95000241	O	Banana, dried-babyfood	0.570000	3.900	1.000	
15000250	15	Barley, pearled barley	0.317400	1.000	1.000	
15000251	15	Barley, pearled barley-babyfood	0.317400	1.000	1.000	
15000260	15	Barley, flour	0.317400	1.000	1.000	
15000261	15	Barley, flour-babyfood	0.317400	1.000	1.000	
15000270	15	Barley, bran	0.317400	1.000	1.000	
06030300	6C	Bean, black, seed	0.230000	1.000	1.000	
06020310	6B	Bean, broad, succulent	0.230000	1.000	1.000	
06030320	6C	Bean, broad, seed	0.230000	1.000	1.000	
06020330	6B	Bean, cowpea, succulent	0.230000	1.000	1.000	
06030340	6C	Bean, cowpea, seed	0.230000	1.000	1.000	
06030350	6C	Bean, great northern, seed	0.230000	1.000	1.000	
06030360	6C	Bean, kidney, seed	0.230000	1.000	1.000	
06020370	6B	Bean, lima, succulent	0.230000	1.000	1.000	
06030380	6C	Bean, lima, seed	0.230000	1.000	1.000	
06030390	6C	Bean, mung, seed	0.230000	1.000	1.000	
06030400	6C	Bean, navy, seed	0.230000	1.000	1.000	
06030410	6C	Bean, pink, seed	0.230000	1.000	1.000	
06030420	6C	Bean, pinto, seed	0.230000	1.000	1.000	
06010430	6A	Bean, snap, succulent	0.220000	1.000	1.000	
06010431	6A	Bean, snap, succulent-babyfood	0.220000	1.000	1.000	
21000440	M	Beef, meat	0.130000	1.000	1.000	
21000441	M	Beef, meat-babyfood	0.130000	1.000	1.000	
21000450	M	Beef, meat, dried	0.130000	1.920	1.000	
21000460	M	Beef, meat byproducts	0.140000	1.000	1.000	
21000461	M	Beef, meat byproducts-babyfood	0.140000	1.000	1.000	

21000470	M	Beef, fat	0.150000	1.000	1.000
21000471	M	Beef, fat-babyfood	0.150000	1.000	1.000
21000480	M	Beef, kidney	0.290000	1.000	1.000
21000490	M	Beef, liver	0.630000	1.000	1.000
21000491	M	Beef, liver-babyfood	0.630000	1.000	1.000
01010500	1AB	Beet, garden, roots	0.709600	1.000	1.000
01010501	1AB	Beet, garden, roots-babyfood	0.709600	1.000	1.000
02000510	2	Beet, garden, tops	0.020000	1.000	1.000
01010520	1A	Beet, sugar	0.060000	1.000	1.000
01010521	1A	Beet, sugar-babyfood	0.060000	1.000	1.000
01010530	1A	Beet, sugar, molasses	0.410000	1.000	1.000
01010531	1A	Beet, sugar, molasses-babyfood	0.410000	1.000	1.000
13010550	13A	Blackberry	0.870000	1.000	1.000
13010560	13A	Blackberry, juice	0.870000	1.000	1.000
13010561	13A	Blackberry, juice-babyfood	0.870000	1.000	1.000
13020570	13B	Blueberry	0.300000	1.000	1.000
13020571	13B	Blueberry-babyfood	0.300000	1.000	1.000
13010580	13A	Boysenberry	0.870000	1.000	1.000
14000590	14	Brazil nut	0.110000	1.000	1.000
05010610	5A	Broccoli	0.020000	1.000	1.000
05010611	5A	Broccoli-babyfood	0.020000	1.000	1.000
05010620	5A	Broccoli, Chinese	0.020000	1.000	1.000
05020630	5B	Broccoli raab	1.283200	1.000	1.000
05010640	5A	Brussels sprouts	0.020000	1.000	1.000
15000650	15	Buckwheat	0.061000	1.000	1.000
15000660	15	Buckwheat, flour	0.061000	1.000	1.000
01010670	1AB	Burdock	0.020000	1.000	1.000
14000680	14	Butternut	0.110000	1.000	1.000
05010690	5A	Cabbage	0.020000	1.000	1.000
05020700	5B	Cabbage, Chinese, bok choy	1.283200	1.000	1.000
05010710	5A	Cabbage, Chinese, napa	0.020000	1.000	1.000
05010720	5A	Cabbage, Chinese, mustard	0.020000	1.000	1.000
95000740	O	Canistel	1.620600	1.000	1.000
09010750	9A	Cantaloupe	0.080000	1.000	1.000
04020760	4B	Cardoon	1.150000	1.000	1.000
01010780	1AB	Carrot	0.090000	1.000	1.000
01010781	1AB	Carrot-babyfood	0.090000	1.000	1.000
01010790	1AB	Carrot, juice	0.090000	1.000	1.000
09010800	9A	Casaba	0.080000	1.000	1.000
14000810	14	Cashew	0.110000	1.000	1.000
01030820	1CD	Cassava	0.003800	1.000	1.000
01030821	1CD	Cassava-babyfood	0.003800	1.000	1.000
05010830	5A	Cauliflower	0.020000	1.000	1.000
01010840	1AB	Celeriac	0.020000	1.000	1.000
04020850	4B	Celery	1.150000	1.000	1.000
04020851	4B	Celery-babyfood	1.150000	1.000	1.000
04020860	4B	Celery, juice	1.150000	1.000	1.000
04020870	4B	Celtuce	1.150000	1.000	1.000
09020880	9B	Chayote, fruit	0.080000	1.000	1.000
12000900	12	Cherry	1.530000	1.000	1.000
12000901	12	Cherry-babyfood	1.530000	1.000	1.000
12000910	12	Cherry, juice	1.530000	1.500	1.000
12000911	12	Cherry, juice-babyfood	1.530000	1.500	1.000
14000920	14	Chestnut	0.110000	1.000	1.000
40000930	P	Chicken, meat	0.020000	1.000	1.000
40000931	P	Chicken, meat-babyfood	0.020000	1.000	1.000
40000940	P	Chicken, liver	0.020000	1.000	1.000
40000950	P	Chicken, meat byproducts	0.020000	1.000	1.000
40000951	P	Chicken, meat byproducts-babyfoo	0.020000	1.000	1.000
40000960	P	Chicken, fat	0.020000	1.000	1.000
40000961	P	Chicken, fat-babyfood	0.020000	1.000	1.000
40000970	P	Chicken, skin	0.020000	1.000	1.000
40000971	P	Chicken, skin-babyfood	0.020000	1.000	1.000
06030980	6C	Chickpea, seed	0.540000	1.000	1.000
06030981	6C	Chickpea, seed-babyfood	0.540000	1.000	1.000
06030990	6C	Chickpea, flour	0.540000	1.000	1.000
01011000	1AB	Chicory, roots	0.020000	1.000	1.000
02001010	2	Chicory, tops	0.020000	1.000	1.000
09021020	9B	Chinese waxgourd	0.080000	1.000	1.000
04011040	4A	Chrysanthemum, garland	4.860000	1.000	1.000
10001060	10	Citrus citron	0.230000	1.000	1.000

10001070	10	Citrus hybrids	0.230000	1.000	1.000
10001080	10	Citrus, oil	0.230000	1.000	1.000
95001150	O	Coffee, roasted bean	0.005000	1.000	1.000
95001160	O	Coffee, instant	0.005000	1.000	1.000
05021170	5B	Collards	1.283200	1.000	1.000
19011180	19A	Coriander, leaves	4.860000	1.000	1.000
19011181	19A	Coriander, leaves-babyfood	4.860000	1.000	1.000
15001200	15	Corn, field, flour	0.550000	1.000	1.000
15001201	15	Corn, field, flour-babyfood	0.550000	1.000	1.000
15001210	15	Corn, field, meal	0.550000	1.000	1.000
15001211	15	Corn, field, meal-babyfood	0.550000	1.000	1.000
15001220	15	Corn, field, bran	0.550000	1.000	1.000
15001230	15	Corn, field, starch	0.550000	1.000	1.000
15001231	15	Corn, field, starch-babyfood	0.550000	1.000	1.000
15001240	15	Corn, field, syrup	0.550000	1.500	1.000
15001241	15	Corn, field, syrup-babyfood	0.550000	1.500	1.000
15001250	15	Corn, field, oil	0.550000	1.000	1.000
15001251	15	Corn, field, oil-babyfood	0.550000	1.000	1.000
15001260	15	Corn, pop	0.550000	1.000	1.000
15001270	15	Corn, sweet	0.550000	1.000	1.000
15001271	15	Corn, sweet-babyfood	0.550000	1.000	1.000
95001280	O	Cottonseed, oil	0.260000	1.000	1.000
95001281	O	Cottonseed, oil-babyfood	0.260000	1.000	1.000
11001290	11	Crabapple	0.280000	1.000	1.000
95001300	O	Cranberry	0.240000	1.000	1.000
95001301	O	Cranberry-babyfood	0.240000	1.000	1.000
95001310	O	Cranberry, dried	0.240000	4.000	1.000
95001320	O	Cranberry, juice	0.240000	1.100	1.000
95001321	O	Cranberry, juice-babyfood	0.240000	1.100	1.000
04011330	4A	Cress, garden	4.860000	1.000	1.000
04011340	4A	Cress, upland	4.860000	1.000	1.000
09021350	9B	Cucumber	0.080000	1.000	1.000
13021360	13B	Currant	1.040000	1.000	1.000
13021370	13B	Currant, dried	1.040000	1.000	1.000
04011380	4A	Dandelion, leaves	4.860000	1.000	1.000
01031390	1CD	Dasheen, corm	0.003800	1.000	1.000
02001400	2	Dasheen, leaves	0.020000	1.000	1.000
13011420	13A	Dewberry	0.870000	1.000	1.000
70001450	P	Egg, whole	0.024500	1.000	1.000
70001451	P	Egg, whole-babyfood	0.024500	1.000	1.000
70001460	P	Egg, white	0.024500	1.000	1.000
70001461	P	Egg, white (solids)-babyfood	0.024500	1.000	1.000
70001470	P	Egg, yolk	0.024500	1.000	1.000
70001471	P	Egg, yolk-babyfood	0.024500	1.000	1.000
08001480	8	Eggplant	1.200000	1.000	1.000
13021490	13B	Elderberry	0.460000	1.000	1.000
04011500	4A	Endive	4.860000	1.000	1.000
04021520	4B	Fennel, Florence	1.150000	1.000	1.000
14001550	14	Filbert	0.110000	1.000	1.000
14001560	14	Filbert, oil	0.110000	1.000	1.000
03001640	3	Garlic	0.090000	1.000	1.000
03001650	3	Garlic, dried	0.090000	1.000	1.000
03001651	3	Garlic, dried-babyfood	0.090000	1.000	1.000
01031660	1CD	Ginger	0.003800	1.000	1.000
01031661	1CD	Ginger-babyfood	0.003800	1.000	1.000
01031670	1CD	Ginger, dried	0.003800	1.000	1.000
01011680	1AB	Ginseng, dried	0.020000	1.000	1.000
23001690	M	Goat, meat	0.130000	1.000	1.000
23001700	M	Goat, meat byproducts	0.140000	1.000	1.000
23001710	M	Goat, fat	0.150000	1.000	1.000
23001720	M	Goat, kidney	0.290000	1.000	1.000
23001730	M	Goat, liver	0.630000	1.000	1.000
13021740	13B	Gooseberry	1.080000	1.000	1.000
95001750	O	Grape	0.820000	1.000	1.000
95001760	O	Grape, juice	0.820000	1.200	1.000
95001761	O	Grape, juice-babyfood	0.820000	1.200	1.000
95001770	O	Grape, leaves	0.820000	1.000	1.000
95001780	O	Grape, raisin	2.430000	1.000	1.000
95001790	O	Grape, wine and sherry	0.820000	1.200	1.000
10001800	10	Grapefruit	0.230000	1.000	1.000
10001810	10	Grapefruit, juice	0.230000	2.100	1.000

06031820	6C	Guar, seed	0.230000	1.000	1.000
06031821	6C	Guar, seed-babyfood	0.230000	1.000	1.000
14001850	14	Hickory nut	0.110000	1.000	1.000
09011870	9A	Honeydew melon	0.080000	1.000	1.000
95001880	O	Hop	10.300000	1.000	1.000
24001890	M	Horse, meat	0.130000	1.000	1.000
01011900	1AB	Horseradish	0.020000	1.000	1.000
13021910	13B	Huckleberry	0.460000	1.000	1.000
05021940	5B	Kale	1.283200	1.000	1.000
05011960	5A	Kohlrabi	0.020000	1.000	1.000
10001970	10	Kumquat	0.230000	1.000	1.000
03001980	3	Leek	0.795600	1.000	1.000
10001990	10	Lemon	0.230000	1.000	1.000
10002000	10	Lemon, juice	0.230000	2.000	1.000
10002001	10	Lemon, juice-babyfood	0.230000	2.000	1.000
10002010	10	Lemon, peel	0.230000	1.000	1.000
06032030	6C	Lentil, seed	0.230000	1.000	1.000
04012040	4A	Lettuce, head	4.860000	1.000	1.000
04012050	4A	Lettuce, leaf	4.860000	1.000	1.000
10002060	10	Lime	0.230000	1.000	1.000
10002070	10	Lime, juice	0.230000	2.000	1.000
10002071	10	Lime, juice-babyfood	0.230000	2.000	1.000
13012080	13A	Loganberry	0.870000	1.000	1.000
11002100	11	Loquat	0.280000	1.000	1.000
95002110	O	Lychee	0.760000	1.000	1.000
95002120	O	Lychee, dried	0.760000	1.850	1.000
14002130	14	Macadamia nut	0.110000	1.000	1.000
95002150	O	Mango	0.860000	1.000	1.000
95002151	O	Mango-babyfood	0.860000	1.000	1.000
95002160	O	Mango, dried	0.860000	1.000	1.000
95002170	O	Mango, juice	0.860000	1.000	1.000
95002171	O	Mango, juice-babyfood	0.860000	1.000	1.000
28002210	M	Meat, game	0.130000	1.000	1.000
27002220	D	Milk, fat	0.040000	1.000	1.000
27002221	D	Milk, fat - baby food/infant for	0.040000	1.000	1.000
27012230	D	Milk, nonfat solids	0.040000	1.000	1.000
27012231	D	Milk, nonfat solids-baby food/in	0.040000	1.000	1.000
27022240	D	Milk, water	0.040000	1.000	1.000
27022241	D	Milk, water-babyfood/infant form	0.040000	1.000	1.000
27032251	D	Milk, sugar (lactose)-baby food/	0.040000	1.000	1.000
15002260	15	Millet, grain	0.550000	1.000	1.000
05022290	5B	Mustard greens	1.283200	1.000	1.000
12002300	12	Nectarine	0.950000	1.000	1.000
15002310	15	Oat, bran	0.184200	1.000	1.000
15002320	15	Oat, flour	0.184200	1.000	1.000
15002321	15	Oat, flour-babyfood	0.184200	1.000	1.000
15002330	15	Oat, groats/rolled oats	0.184200	1.000	1.000
15002331	15	Oat, groats/rolled oats-babyfood	0.184200	1.000	1.000
08002340	8	Okra	0.970000	1.000	1.000
03002370	3	Onion, dry bulb	0.090000	1.000	1.000
03002371	3	Onion, dry bulb-babyfood	0.090000	1.000	1.000
03002380	3	Onion, dry bulb, dried	0.090000	9.000	1.000
03002381	3	Onion, dry bulb, dried-babyfood	0.090000	9.000	1.000
03002390	3	Onion, green	0.795600	1.000	1.000
10002400	10	Orange	0.230000	1.000	1.000
10002410	10	Orange, juice	0.230000	1.800	1.000
10002411	10	Orange, juice-babyfood	0.230000	1.800	1.000
10002420	10	Orange, peel	0.230000	1.000	1.000
95002450	O	Papaya	0.870000	1.000	1.000
95002451	O	Papaya-babyfood	0.870000	1.000	1.000
95002460	O	Papaya, dried	0.870000	1.000	1.000
95002470	O	Papaya, juice	0.870000	1.000	1.000
04012480	4A	Parsley, leaves	4.860000	1.000	1.000
01012500	1AB	Parsley, turnip rooted	0.020000	1.000	1.000
01012510	1AB	Parsnip	0.020000	1.000	1.000
01012511	1AB	Parsnip-babyfood	0.020000	1.000	1.000
06022550	6B	Pea, succulent	0.540000	1.000	1.000
06022551	6B	Pea, succulent-babyfood	0.540000	1.000	1.000
06032560	6C	Pea, dry	0.540000	1.000	1.000
06032561	6C	Pea, dry-babyfood	0.540000	1.000	1.000
06012570	6A	Pea, edible podded, succulent	0.540200	1.000	1.000

06032580	6C	Pea, pigeon, seed	0.540000	1.000	1.000
06022590	6B	Pea, pigeon, succulent	0.540000	1.000	1.000
12002600	12	Peach	0.950000	1.000	1.000
12002601	12	Peach-babyfood	0.950000	1.000	1.000
12002610	12	Peach, dried	0.950000	7.000	1.000
12002611	12	Peach, dried-babyfood	0.950000	7.000	1.000
12002620	12	Peach, juice	0.950000	1.000	1.000
12002621	12	Peach, juice-babyfood	0.950000	1.000	1.000
95002630	O	Peanut	2.320000	1.000	1.000
95002640	O	Peanut, butter	2.320000	1.000	1.000
95002650	O	Peanut, oil	2.320000	1.000	1.000
11002660	11	Pear	0.280000	1.000	1.000
11002661	11	Pear-babyfood	0.280000	1.000	1.000
11002670	11	Pear, dried	0.280000	6.250	1.000
11002680	11	Pear, juice	0.280000	1.000	1.000
11002681	11	Pear, juice-babyfood	0.280000	1.000	1.000
14002690	14	Pecan	0.070000	1.000	1.000
08002700	8	Pepper, bell	1.195600	1.000	1.000
08002701	8	Pepper, bell-babyfood	1.195600	1.000	1.000
08002710	8	Pepper, bell, dried	1.195600	1.000	1.000
08002711	8	Pepper, bell, dried-babyfood	1.195600	1.000	1.000
08002720	8	Pepper, nonbell	1.195600	1.000	1.000
08002721	8	Pepper, nonbell-babyfood	1.195600	1.000	1.000
08002730	8	Pepper, nonbell, dried	1.195600	1.000	1.000
95002750	O	Peppermint	1.620000	1.000	1.000
95002760	O	Peppermint, oil	1.620000	1.000	1.000
95002790	O	Pineapple	0.820000	1.000	1.000
95002791	O	Pineapple-babyfood	0.820000	1.000	1.000
95002800	O	Pineapple, dried	0.820000	5.000	1.000
95002810	O	Pineapple, juice	0.820000	1.700	1.000
95002811	O	Pineapple, juice-babyfood	0.820000	1.700	1.000
14002820	14	Pistachio	0.040000	1.000	1.000
95002830	O	Plantain	0.570000	1.000	1.000
95002840	O	Plantain, dried	0.570000	3.900	1.000
12002850	12	Plum	0.950000	1.000	1.000
12002851	12	Plum-babyfood	0.950000	1.000	1.000
12002860	12	Plum, prune, fresh	1.550000	1.000	1.000
12002861	12	Plum, prune, fresh-babyfood	1.550000	1.000	1.000
12002870	12	Plum, prune, dried	1.550000	5.000	1.000
12002871	12	Plum, prune, dried-babyfood	1.550000	5.000	1.000
12002880	12	Plum, prune, juice	1.550000	1.400	1.000
12002881	12	Plum, prune, juice-babyfood	1.550000	1.400	1.000
25002900	M	Pork, meat	0.130000	1.000	1.000
25002901	M	Pork, meat-babyfood	0.130000	1.000	1.000
25002910	M	Pork, skin	0.150000	1.000	1.000
25002920	M	Pork, meat byproducts	0.140000	1.000	1.000
25002921	M	Pork, meat byproducts-babyfood	0.140000	1.000	1.000
25002930	M	Pork, fat	0.150000	1.000	1.000
25002931	M	Pork, fat-babyfood	0.150000	1.000	1.000
25002940	M	Pork, kidney	0.290000	1.000	1.000
25002950	M	Pork, liver	0.630000	1.000	1.000
01032960	1C	Potato, chips	0.003800	1.000	1.000
01032970	1C	Potato, dry (granules/ flakes)	0.003800	1.000	1.000
01032971	1C	Potato, dry (granules/ flakes)-b	0.003800	1.000	1.000
01032980	1C	Potato, flour	0.003800	1.000	1.000
01032981	1C	Potato, flour-babyfood	0.003800	1.000	1.000
01032990	1C	Potato, tuber, w/peel	0.003800	1.000	1.000
01032991	1C	Potato, tuber, w/peel-babyfood	0.003800	1.000	1.000
01033000	1C	Potato, tuber, w/o peel	0.003800	1.000	1.000
01033001	1C	Potato, tuber, w/o peel-babyfood	0.003800	1.000	1.000
60003010	P	Poultry, other, meat	0.020000	1.000	1.000
60003020	P	Poultry, other, liver	0.020000	1.000	1.000
60003030	P	Poultry, other, meat byproducts	0.020000	1.000	1.000
60003040	P	Poultry, other, fat	0.020000	1.000	1.000
60003050	P	Poultry, other, skin	0.020000	1.000	1.000
10003070	10	Pummelo	0.230000	1.000	1.000
09023080	9B	Pumpkin	0.080000	1.000	1.000
09023090	9B	Pumpkin, seed	0.080000	1.000	1.000
11003100	11	Quince	0.280000	1.000	1.000
29003120	M	Rabbit, meat	0.130000	1.000	1.000
04013130	4A	Radicchio	4.860000	1.000	1.000

01013140	1AB	Radish, roots	0.020000	1.000	1.000	
02003150	2	Radish, tops	0.020000	1.000	1.000	
01013160	1AB	Radish, Oriental, roots	0.020000	1.000	1.000	
02003170	2	Radish, Oriental, tops	0.020000	1.000	1.000	
05023180	5B	Rape greens	1.283200	1.000	1.000	
20003190	20	Rapeseed, oil	0.020000	1.000	1.000	
20003191	20	Rapeseed, oil-babyfood	0.020000	1.000	1.000	
13013200	13A	Raspberry	0.870000	1.000	1.000	
13013201	13A	Raspberry-babyfood	0.870000	1.000	1.000	
13013210	13A	Raspberry, juice	0.870000	1.000	1.000	
13013211	13A	Raspberry, juice-babyfood	0.870000	1.000	1.000	
04023220	4B	Rhubarb	1.150000	1.000	1.000	
15003230	15	Rice, white	0.840000	1.000	1.000	
15003231	15	Rice, white-babyfood	0.840000	1.000	1.000	
15003240	15	Rice, brown	0.840000	1.000	1.000	
15003241	15	Rice, brown-babyfood	0.840000	1.000	1.000	
15003250	15	Rice, flour	0.840000	1.000	1.000	
15003251	15	Rice, flour-babyfood	0.840000	1.000	1.000	
15003260	15	Rice, bran	0.840000	1.000	1.000	
15003261	15	Rice, bran-babyfood	0.840000	1.000	1.000	
01013270	1AB	Rutabaga	0.020000	1.000	1.000	
15003280	15	Rye, grain	0.550000	1.000	1.000	
15003290	15	Rye, flour	0.550000	1.000	1.000	
01013310	1AB	Salsify, roots	0.020000	1.000	1.000	
02003320	2	Salsify, tops	0.020000	1.000	1.000	
95003330	0	Sapote, Mamey	1.620000	1.000	1.000	
03003380	3	Shallot	0.795600	1.000	1.000	
26003390	M	Sheep, meat	0.130000	1.000	1.000	
26003391	M	Sheep, meat-babyfood	0.130000	1.000	1.000	
26003400	M	Sheep, meat byproducts	0.140000	1.000	1.000	
26003410	M	Sheep, fat	0.150000	1.000	1.000	
26003411	M	Sheep, fat-babyfood	0.150000	1.000	1.000	
26003420	M	Sheep, kidney	0.290000	1.000	1.000	
26003430	M	Sheep, liver	0.630000	1.000	1.000	
15003440	15	Sorghum, grain	0.550000	1.000	1.000	
15003450	15	Sorghum, syrup	0.550000	1.000	1.000	
06003470	6	Soybean, seed	3.300000	1.000	1.000	10x for method issue
06003480	6	Soybean, flour	3.300000	1.000	1.000	
06003481	6	Soybean, flour-babyfood	3.300000	1.000	1.000	
06003490	6	Soybean, soy milk	3.300000	1.000	1.000	
06003491	6	Soybean, soy milk-babyfood or in	3.300000	1.000	1.000	
06003500	6	Soybean, oil	3.300000	1.000	1.000	
06003501	6	Soybean, oil-babyfood	3.300000	1.000	1.000	
95003520	0	Spearmint	1.620000	1.000	1.000	
95003530	0	Spearmint, oil	1.620000	1.000	1.000	
09023560	9B	Squash, summer	0.080000	1.000	1.000	
09023561	9B	Squash, summer-babyfood	0.080000	1.000	1.000	
09023570	9B	Squash, winter	0.080000	1.000	1.000	
09023571	9B	Squash, winter-babyfood	0.080000	1.000	1.000	
95003590	0	Strawberry	0.480000	1.000	1.000	
95003591	0	Strawberry-babyfood	0.480000	1.000	1.000	
95003600	0	Strawberry, juice	0.480000	1.000	1.000	
95003601	0	Strawberry, juice-babyfood	0.480000	1.000	1.000	
95003620	0	Sugarcane, sugar	0.170000	1.000	1.000	
95003621	0	Sugarcane, sugar-babyfood	0.170000	1.000	1.000	
95003630	0	Sugarcane, molasses	0.170000	1.000	1.000	
95003631	0	Sugarcane, molasses-babyfood	0.170000	1.000	1.000	
20003640	20	Sunflower, seed	0.030000	1.000	1.000	
20003650	20	Sunflower, oil	0.030000	1.000	1.000	
20003651	20	Sunflower, oil-babyfood	0.030000	1.000	1.000	
01033660	1CD	Sweet potato	0.003800	1.000	1.000	
01033661	1CD	Sweet potato-babyfood	0.003800	1.000	1.000	
04023670	4B	Swiss chard	1.150000	1.000	1.000	
10003690	10	Tangerine	0.230000	1.000	1.000	
10003700	10	Tangerine, juice	0.230000	2.300	1.000	
01033710	1CD	Tanier, corm	0.003800	1.000	1.000	
08003740	8	Tomatillo	1.195600	1.000	1.000	
08003750	8	Tomato	0.200000	1.000	1.000	
08003751	8	Tomato-babyfood	0.200000	1.000	1.000	
08003760	8	Tomato, paste	0.380000	1.000	1.000	
08003761	8	Tomato, paste-babyfood	0.380000	1.000	1.000	

08003770	8	Tomato, puree	0.250000	1.000	1.000
08003771	8	Tomato, puree-babyfood	0.250000	1.000	1.000
08003780	8	Tomato, dried	0.200000	14.300	1.000
08003781	8	Tomato, dried-babyfood	0.200000	14.300	1.000
08003790	8	Tomato, juice	0.200000	1.500	1.000
15003810	15	Triticale, flour	0.061000	1.000	1.000
15003811	15	Triticale, flour-babyfood	0.061000	1.000	1.000
50003820	P	Turkey, meat	0.020000	1.000	1.000
50003821	P	Turkey, meat-babyfood	0.020000	1.000	1.000
50003830	P	Turkey, liver	0.020000	1.000	1.000
50003831	P	Turkey, liver-babyfood	0.020000	1.000	1.000
50003840	P	Turkey, meat byproducts	0.020000	1.000	1.000
50003841	P	Turkey, meat byproducts-babyfood	0.020000	1.000	1.000
50003850	P	Turkey, fat	0.020000	1.000	1.000
50003851	P	Turkey, fat-babyfood	0.020000	1.000	1.000
50003860	P	Turkey, skin	0.020000	1.000	1.000
50003861	P	Turkey, skin-babyfood	0.020000	1.000	1.000
01033870	1CD	Turmeric	0.003800	1.000	1.000
05023890	5B	Turnip, greens	2.280000	1.000	1.000
01013880	1AB	Turnip, roots	0.200000	1.000	1.000
14003910	14	Walnut	0.110000	1.000	1.000
86010000	O	Water, direct, all sources	0.010000	1.000	1.000
86020000	O	Water, indirect, all sources	0.010000	1.000	1.000
09013990	9A	Watermelon	0.080000	1.000	1.000
09014000	9A	Watermelon, juice	0.080000	1.000	1.000
15004010	15	Wheat, grain	0.061000	1.000	1.000
15004011	15	Wheat, grain-babyfood	0.061000	1.000	1.000
15004020	15	Wheat, flour	0.061000	1.000	1.000
15004021	15	Wheat, flour-babyfood	0.061000	1.000	1.000
15004030	15	Wheat, germ	0.061000	1.000	1.000
15004040	15	Wheat, bran	0.061000	1.000	1.000
15004050	15	Wild rice	0.840000	1.000	1.000
01034060	1CD	Yam, true	0.003800	1.000	1.000
01034070	1CD	Yam bean	0.003800	1.000	1.000

Attachment 5. Summary of the results of the acute assessment of free triazole.

U.S. Environmental Protection Agency Ver. 2.02
 DEEM-FCID ACUTE Analysis for 1,2,4-TRIAZOLE (1994-98 data)
 Residue file: Triazole-Acute-3-08.R98 Adjustment factor #2 NOT used.
 Analysis Date: 03-27-2008/13:41:00 Residue file dated: 03-07-2008/19:19:06/8
 Daily totals for food and foodform consumption used.
 Run Comment: "RfDs are PADs. aPAD for Females 13-49, Infants, and children =
 0.03 mg/kg/day"

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Summary calculations (per capita):

	95th Percentile		99th Percentile		99.9th Percentile	
	Exposure	% aRfD	Exposure	% aRfD	Exposure	% aRfD
U.S. Population:	0.003927	13.09	0.006319	21.06	0.011242	37.47
All infants:	0.009308	31.03	0.012990	43.30	0.021310	71.03
Children 1-2 yrs:	0.007684	25.61	0.011223	37.41	0.016115	53.72
Children 3-5 yrs:	0.006180	20.60	0.008767	29.22	0.013921	46.40
Children 6-12 yrs:	0.004147	13.82	0.005922	19.74	0.009063	30.21
Youth 13-19 yrs:	0.002985	9.95	0.004826	16.09	0.008445	28.15
Adults 20-49 yrs:	0.003247	10.82	0.004757	15.86	0.007519	25.06
Adults 50+ yrs:	0.002930	9.77	0.004213	14.04	0.006535	21.78
Females 13-49 yrs:	0.003268	10.89	0.004690	15.63	0.008146	27.15

Attachment 6. Summary of the results of the acute assessment of the conjugated triazole metabolites.

U.S. Environmental Protection Agency Ver. 2.02
 DEEM-FCID ACUTE Analysis for TA/TAA (1994-98 data)
 Residue file: TA+TAA Acute-3-08.R98 Adjustment factor #2 NOT used.
 Analysis Date: 03-27-2008/13:39:06 Residue file dated: 03-27-2008/13:36:13/8
 Daily totals for food and foodform consumption used.
 Run Comment: "RfDs are PADs. aPAD for Females 13-49 only"

Summary calculations (per capita):

	95th Percentile		99th Percentile		99.9th Percentile	
	Exposure	% aRfD	Exposure	% aRfD	Exposure	% aRfD
Females 13-49 yrs:	0.028598	28.60	0.043254	43.25	0.079130	79.13

US EPA ARCHIVE DOCUMENT

Attachment 7. Summary of the results of the chronic assessment of free triazole.

U.S. Environmental Protection Agency Ver. 2.00
 DEEM-FCID Chronic analysis for 1,2,4-TRIAZOLE (1994-98 data)
 Residue file name: C:\Documents and Settings\mdoherty\My Documents\Chemistry Reviews\DEEM
 Runs\Triazoles\Triazole-Chronic-3-08.R98

Adjustment factor #2 NOT used.
 Analysis Date 03-27-2008/13:38:15 Residue file dated: 03-07-2008/19:20:45/8
 Reference dose (RfD, Chronic) = .005 mg/kg bw/day
 COMMENT 1: RfDs are PADs. aPAD for Females 13-49, Infants, and children = 0.03 mg/kg/day

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Total exposure by population subgroup

Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of Rfd
U.S. Population (total)	0.000884	17.7%
U.S. Population (spring season)	0.000893	17.9%
U.S. Population (summer season)	0.000900	18.0%
U.S. Population (autumn season)	0.000865	17.3%
U.S. Population (winter season)	0.000879	17.6%
Northeast region	0.000920	18.4%
Midwest region	0.000884	17.7%
Southern region	0.000805	16.1%
Western region	0.000979	19.6%
Hispanics	0.001015	20.3%
Non-hispanic whites	0.000860	17.2%
Non-hispanic blacks	0.000834	16.7%
Non-hisp/non-white/non-black	0.001115	22.3%
All infants (< 1 year)	0.001616	32.3%
Nursing infants	0.000724	14.5%
Non-nursing infants	0.001955	39.1%
Children 1-6 yrs	0.001820	36.4%
Children 7-12 yrs	0.001031	20.6%
Females 13-19 (not preg or nursing)	0.000696	13.9%
Females 20+ (not preg or nursing)	0.000750	15.0%
Females 13-50 yrs	0.000792	15.8%
Females 13+ (preg/not nursing)	0.000871	17.4%
Females 13+ (nursing)	0.000971	19.4%
Males 13-19 yrs	0.000753	15.1%
Males 20+ yrs	0.000741	14.8%
Seniors 55+	0.000723	14.5%
Children 1-2 yrs	0.002168	43.4%
Children 3-5 yrs	0.001726	34.5%
Children 6-12 yrs	0.001088	21.8%
Youth 13-19 yrs	0.000728	14.6%
Adults 20-49 yrs	0.000760	15.2%
Adults 50+ yrs	0.000727	14.5%
Females 13-49 yrs	0.000750	15.0%

Attachment 8. Summary of the results of the chronic assessment of the conjugated triazole metabolites.

U.S. Environmental Protection Agency Ver. 2.00
 DEEM-FCID Chronic analysis for TA/TAA (1994-98 data)
 Residue file name: C:\Documents and Settings\mdoherty\My Documents\Chemistry Reviews\DEEM
 Runs\Triazoles\TA+TAA Chronic-3-08.R98

Adjustment factor #2 NOT used.
 Analysis Date 03-27-2008/13:37:43 Residue file dated: 03-27-2008/13:36:46/8
 Reference dose (RfD, Chronic) = .09 mg/kg bw/day
 COMMENT 1: RfDs are PADs. aPAD for Females 13-49 only

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Total exposure by population subgroup

Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of Rfd
U.S. Population (total)	0.008085	9.0%
U.S. Population (spring season)	0.008174	9.1%
U.S. Population (summer season)	0.008208	9.1%
U.S. Population (autumn season)	0.007925	8.8%
U.S. Population (winter season)	0.008039	8.9%
Northeast region	0.008265	9.2%
Midwest region	0.008219	9.1%
Southern region	0.007464	8.3%
Western region	0.008765	9.7%
Hispanics	0.008861	9.8%
Non-hispanic whites	0.007902	8.8%
Non-hispanic blacks	0.007846	8.7%
Non-hisp/non-white/non-black	0.009907	11.0%
All infants (< 1 year)	0.014844	16.5%
Nursing infants	0.006628	7.4%
Non-nursing infants	0.017963	20.0%
Children 1-6 yrs	0.018930	21.0%
Children 7-12 yrs	0.010849	12.1%
Females 13-19 (not preg or nursing)	0.006671	7.4%
Females 20+ (not preg or nursing)	0.006063	6.7%
Females 13-50 yrs	0.006813	7.6%
Females 13+ (preg/not nursing)	0.007497	8.3%
Females 13+ (nursing)	0.007609	8.5%
Males 13-19 yrs	0.007803	8.7%
Males 20+ yrs	0.006443	7.2%
Seniors 55+	0.005715	6.3%
Children 1-2 yrs	0.022241	24.7%
Children 3-5 yrs	0.018210	20.2%
Children 6-12 yrs	0.011400	12.7%
Youth 13-19 yrs	0.007263	8.1%
Adults 20-49 yrs	0.006547	7.3%
Adults 50+ yrs	0.005770	6.4%
Females 13-49 yrs	0.006407	7.1%