UNITED STATES ENVIRONMENTAL PROTECTION AGENCY   (Attachment #1)
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

May 12, 1999

MEMORANDUM

SUBJECT: Azinphos-methyl. Revised Monte Carlo Assessment (Case No. 0235; Chemical
No. 058001). DPBarcode D255395. No MRID No.

FROM: Felecia Fort, Chemist
Reregistration Branch I
Health Effects Division (7509C)

THRU: Michael Metzger, Branch Chief
Reregistration Branch I
Health Effects Division (7509C)

TO: Catherine Eiden
Reregistration Branch III
Health Effects Division (7509C)

On February 17, 1999, HED completed a review of a Monte-Carlo submission from
Bayer Corporation for the pesticide chemical, azinphos-methyl. Additionally, HED revised the
Monte Carlo submission using a pilot acute dietary protocol entitled "Protocol for Running
Monte Carlo Assessments Using PDP and FDA Monitoring Data", 2/2/99 update. This protocol
currently in draft form, incorporated use of monitoring data in acute dietary risk assessments.

In the current acute dietary assessment, several changes were made to the residue inputs used in
the previous analysis. Specific new data used are described in Table 5 of this document.

Revisions

1.   Updated BEAD percent crop treated data were incorporated. A comparison of the data
used in the previous assessment and in the current assessment are shown in Table 2
below.

2.   For canned and boiled apples, peaches, pears and plums, an average of the PDP
monitoring data incorporating % crop treated and ½ the limit of detection (LOD) for

non-detects was used. In the previous assessment, a distribution of residues were used where data were adjusted to reflect single servings using ½ the LOD and % crop treated (decomposition method).

3. For commodities which are considered partially blended such as small berries, PDP monitoring data was used directly incorporating % crop treated. In the earlier assessment, no adjustment for % crop treated was included.

4. Single serving PDP monitoring data (for pears) were used directly, including ½ the LOD and % crop treated. These data were translated to apples, quinces and crabapples with their corresponding % crop treated incorporated. In the previous assessment, a distribution of single-serving residues derived from composite samples were used where data were adjusted to reflect single servings (decomposition method).

5. FDA monitoring data were incorporated for tart and sweet cherries. In the previous assessment field trial residue data were used.

6. Pistachio nuts, cottonseed meal and cottonseed oil were included in the assessment. These commodities were previously excluded.

7. A saucing processing/reduction factor provided by the registrant was included for boiled apple (applesauce). EPA used these data in their revised analysis; however, raw data allowing the Agency to verify these values must be submitted.

8. Adjustments were made to account for the differences in % crop treated for sweet and tart cherries and processed and unprocessed tomatoes.

Conclusions

The results of the revised HED Monte Carlo analysis incorporating all changes noted above are shown in Table 1. These results show a significant reduction in the % aRfD for the all infant and children subpopulations. However, the results (Table 1) indicate that at the 99.9th percentile, acute exposure to azinphos-methyl remain above 100% aRfD for nursing infants and children (1-6). A copy of the revised analysis is attached.

Table 1. Monte Carlo Analysis Results at the 99.9th Percentile						
Population subgroup	HED Analysis Previous assessment (2/17/99)			HED Analysis- Current Assessment (5/12/99)		
	Exposure (mg/kg bwt-day)	MOE1	%RfD	Exposure (mg/kg bwt-day)	MOE1	%RfD
U.S. Population	0.005519	394	85%	0.001781	561	59%
All infants (<1 year)	0.009934	100	331%	0.003003	332	100%
Nursing infant (<1 year)	0.010733	265	126%	0.003632	275	121%
Non-nursing infants	0.009965	81	407%	0.002234	447	74%
Children (1-6 years)	0.010343	165	202%	0.003913	255	130%
Children (7-12 years)	0.006556	258	129%	0.002704	369	90%
1. HED has no concern for MOE's above 300 or %RfD < 100. 2. The aRfD used was 0.003 mg/kg/day						

3825

Table 2. Comparison of BEAD Percent Crop treated Data		
Commodity	September 1998	May, 1999
Alfalfa	4	<0.5
Almond	39	39
Apple	65	88
Blackberries	15	14
Blueberries	86	51
Boysenberries	16	14
Broccoli	5	<0.5
Brussels sprouts	4	2
Cabbage	8	13
Cantaloupe	4	5
Cauliflower	3	2
Celery	12	13
Cherry	62	58% (sweet)/ 80%(tart)
Citrus fruits	3	3
Crabapples	0*	<0.5
Cranberries	100	69
Cucumber	5	3
Dewberries	16	14
Filbert	39	39
Grapefruit	8	17
Grapes	1	2
Honeydew melons	20	2
Kumquats	3*	3*
Lemons	1	<0.5
Lime	3	3

Table 2. Comparison of BEAD Percent Crop treated Data		
Commodity	September 1998	May, 1999
Melon	5	2
Nectarine	12	6
Onions (dry/green)	6	2
Oranges	5	3
Peach	38	30
Pear	100	91
Pecan	7	3
Plum/prune	23	12
Potato	20	3
Quince	75*	75*
Raspberries	9	14
Strawberry	12	12
Tangerine	3	3
Tomato	4	10% (unprocessed)/11% (processed)
Walnuts	38	30
Watermelon	0	2

* Percent crop treated data provided by the registrant.

5425

Table 3 - Crop by Crop Description of Specific Data Used in Revised Analysis.

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Alfalfa Sprouts	Tolerance of 2 ppm and 1% CT.	<0.5% [5]	
Almonds	Point estimate which = mean FT[2] data X 39% CT and assumed all almonds are at this level. 0.009 X 0.39 = 0.0035 [Field trials used 2 lb ai/A, 3 applications, PHI of 28 days].	39%	
Apples	Single Serving PDP[3] pear data incorporating 88% CT used for apples except cooked where a point estimate was used =0.037.	88%	RDF #8[8]
Apples, Dried	Single Serving PDP[3] pear data incorporating 88% CT and a concentration factor.	88%	
Apple Juice, Concentrate	Full distribution of PDP apple juice data and a concentration factor.	N/A	RDF #9
Apple Juice, Cider	Full distribution of PDP apple juice data.	N/A	RDF #10
Beans, Succulent	Composite PDP green bean data directly incorporating 1% CT.	<0.5% [5]	Few PDP residues (10) detected in three years of PDP data. Total of 1810 samples. RDF #24
Blackberries	Composite FDA raspberry data directly incorporating 14% CT.	14% [6]	RDF #1
Blackberry Juice	Point estimate using FDA raspberry data incorporating ½ LOD[4] and 14% CT = 0.002. Point estimate multiplied by processing factor.	14% [6]	
Blueberries	Composite FDA blueberry data directly incorporating 51% CT.	51%	RDF #2
Boysenberries	Composite FDA raspberry data directly incorporating 14% CT.	14% [6]	RDF#1
Broccoli	Composite PDP spinach data directly and 1% CT.	1%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #14
Brussels Sprouts	Composite PDP spinach data directly and 2% CT.	2%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #15
Cabbage, Green and Red	Cabbage FT data and 13% CT.	13%	RDF #16
Cabbage Savoy	Cabbage FT data and 13% CT.	13%	RDF #16
Cantaloupe Nectar	No detectable residue. Used point estimate equal to ½ LOD[4] = 0.0015	N/A	Not detected in four years of FDA monitoring (1994-97).
Cantaloupe Pulp	No detectable residue found. ½ LOD used incorporating 5% CT.	5%	Not detected in four years of FDA monitoring (1994-97). RDF #27
Casaba	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Cauliflower	Composite PDP spinach data directly and 2% CT.	2%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #17
Celery	Composite PDP spinach data directly and 13% CT.	13%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #13
Celery Juice	Point estimate using PDP spinach data incorporating ½ LOD and 13% CT = 0.0030. Point estimate multiplied by processing factor.	13%	
Celery Seed	Point estimate using PDP spinach data incorporating ½ LOD and 13% CT = 0.0030. Point estimate multiplied by processing factor.	13%	
Cherries	Composite FDA cherries data directly incorporating 58% CT for sweet cherries and 80% CT for tart cherries.	58/80%[7]	RDF #33 and #34
Cherries, Dried	Composite FDA cherries data directly incorporating 58% CT for sweet cherries and 80% CT for tart cherries and an concentration factor.	58/80%[7]	RDF #33 and #34
Cherry Juice	Point estimate of FDA cherry data incorporating ½ LOD and 58% CT = 0.002. Point estimate multiplied by processing factor.	58%	
Citrus Citron	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #7
Cottonseed	Tolerance of 0.5 ppm and 11% CT.	11%	
Crabapples	Single Serving PDP Pear incorporating 1% CT.	<0.5%[5]	RDF #21
Cranberries	Point estimate of cranberries mean FT data multiplied by 69% CT. 0.03X 0.69 = 0.021. [Field trials used 1.0 lb ai/A, 3 applications, PHI of 21 days].	69%	
Cranberry Juice	Point estimate of mean FT data multiplied by 69% CT. 0.03 X 0.69 = 0.021. Point estimate multiplied by processing factor. [Field trials used 1.0 lb ai/A, 3 applications, PHI of 21 days].	69%	
Cranberries Juice Concentrate	Point estimate of mean FT data multiplied by 69% CT. 0.03 X 0.69 = 0.021. Point estimate multiplied by processing factor. [Field trials used 1.0 lb ai/A, 3 applications, PHI of 21 days].	69%	
Crenshaw	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Cucumbers	No detectable residue found. ½ LOD used incorporating 3% CT.	3%	Not detected in four years of FDA monitoring (1994-97). RDF #26

7025

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Dewberries	Composite FDA raspberry data directly and incorporating 14% CT.	14%[6]	RDF # 1
Filberts	Point estimate of mean of pecan FT data X 39% CT = 0.0156 [Field trials used 2.0 lb ai/A, 3 applications, PHI of 45 days].	39%	
Grapes	Composite PDP grape data directly and incorporating 2% CT.	2%	Low PDP residues (<0.05 ppm) detected in two years of PDP data. Total of 1215 samples. RDF #3
Grape Juice	Point estimate of mean of PDP grape data X 2% CT = 0.0006. Point estimate multiplied by a processing factor.	2%	
Grape Juice Concentrate	Point estimate of mean of PDP grape data X 2% CT = 0.0006. Point estimate multiplied by a processing factor.	2%	
Grapes-Raisins	Composite PDP grape data directly and incorporated 2% CT and concentration factor.	2%	Low PDP residue (<0.05 ppm) detected in two years of PDP data. Total of 1215. RDF #3
Grape Leaves	Composite PDP grape data directly and incorporated 2% CT.	2%	Low PDP residues (<0.05 ppm) detected in two years of PDP data. Total of 1215 samples. RDF #3
Grapefruit Juice	Full distribution of PDP orange juice data.	N/A	RDF #20
Grapefruit Juice Concentrate	Full distribution of PDP orange juice data and a processing factor.	N/A	RDF #20
Grapefruit Peel	Composite PDP orange data directly and incorporated 17% CT.	17%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #5
Grapefruit Peeled Fruit	Composite PDP orange data directly and incorporated 17% CT.	17%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #5
Honeydew Melons	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #32
Kumquats	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209 . RDF #7
Leeks	Green onion FT data and 2% CT. [Field trials used 0.75 lb ai/A, 3 applications, PHI of 14 days]	2%	RDF #19
Lemon Juice	Full distribution of PDP orange juice data.	N/A	RDF #20
Lemon Juice Concentrate	Full distribution of PDP orange juice data and processing factor.	N/A	RDF #20
Lemon Peel	Composite PDP orange data directly and 1% CT.	<0.5%[5]	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #6

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Lemon Peeled Fruit	Composite PDP orange data directly and 1% CT.	<0.5%[5]	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #6
Lime Juice	Full distribution of PDP orange juice data.	N/A	RDF #20
Lime Juice Concentrate	Full distribution of PDP orange juice data and a concentration factor.	N/A	RDF #20
Lime Peel	Composite PDP orange data directly and incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #7
Limes Peeled Fruit	Composite PDP orange data directly and incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #7
Loganberries	Composite FDA raspberry data directly and incorporating 14% CT.	14%[6]	RDF #1
Nectarines	Composite PDP peach data adjusted for single servings incorporating 6% CT.	6%	689 detects from three years of PDP data (1995-1997). Total Sample = 1393. RDF #28
Onions, Green	Green onion FT data and incorporating 2% CT. [Field trials used 0.75 lb ai/A, 3 applications, PHI of 14 days].	2%	RDF #19
Onions, Dehydrated or Dried	Bulb onion FT data and incorporated 2% CT and processing factor. [Field trials used 0.75 lb ai/A, 3 applications, PHI of 21 days].	2%	RDF #18
Onions, Dry Bulb	Bulb onion FT data and incorporated 2% CT.	2%	RDF #18
Orange Juice	Full distribution of PDP orange juice data.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Orange Juice Concentrate	Full distribution of PDP orange juice data and a concentration factor.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Orange Peel	Composite PDP orange data directly incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22
Orange Peeled Fruit	Composite PDP orange data directly incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22
Peaches	Composite PDP peach data adjusted for single servings and incorporated 30% CT except point estimate equal to 0.02 ppm used for canned and boiled food forms.	30%	689 detects from three years of PDP data (1995-1997). Total samples = 1393. RDF #11

9925

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Peaches, Dried	Composite PDP peach data adjusted for single servings incorporating 30% CT and processing factor.	30%	689 detects from three years of PDP data (1995-1997). Total samples = 1393. RDF #11
Peaches, Juice	Point estimate using PDP peach data incorporating ½ LOD and 30% CT = 0.0157. Point estimate multiplied by processing factor.	30%	
Pears	Single Serving PDP pear data and incorporating 91% CT except point estimate equal to 0.059 ppm used for canned and boiled food forms.	91%	RDF #10
Pears, Dried	Single Serving PDP pear data incorporating 91% CT and processing factor.	91%	RDF #10
Pear Nectar	Full distribution of apple juice PDP data.	N/A	RDF #9
Pecan	Point estimate which = mean FT data X 3% CT= 0.0012 [Field trials used 2.0 lb ai/A, 3 applications, PHI of 45 days].	3%	
Persian Melon	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Pistachios	Point estimate of mean of pecan FT data X 48% CT = 0.0172 [Field trials used 2.0 lb ai/A, 3 applications, PHI of 45 days].	48%	
Plum	Composite PDP peach data adjusted for single servings and incorporated 12% CT except point estimate equal to 0.02 ppm used for canned food forms.	12%	689 detects from three years of PDP data (1995-1997). Total Samples = 1393. RDF #29
Plum/Prunes, Dried	Composite PDP peach data adjusted for single servings, incorporating 12% CT and processing factor.	12%	689 detects from three years of PDP data (1995-1997). Total Samples = 1393. RDF #29
Plum/Prune Juice	Point estimate using PDP peach data and incorporating 12% CT = 0.0104. Point estimate multiplied by processing factor.	12%	
Potatoes (White), Dry	No detectable residues found. ½ LOD = 0.011 ppm used	N/A	Not detected in two years of PDP monitoring (1995-96).
Potatoes (White) Unspecified	No detectable residue found. ½ LOD used incorporating 10% CT.	10%	Not detected in two years of PDP Monitoring (1995-96). RDF #10
Potatoes (White), Whole	No detectable residue found. ½ LOD used incorporating 10% CT.	10%	Not detected in two years of PDP Monitoring (1995-96). RDF #10
Quince	Single Serving PDP pear data and incorporating 75% CT.	75%	RDF #23
Raspberries	Composite FDA raspberry data directly and incorporating 14% CT.	14%	RDF #1
Shallots	Bulb onion FT data and incorporated 2% CT.	2%	RDF #18

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Strawberries	Composite FDA raspberry data directly and incorporating 12% CT.	12%	RDF #4
Strawberry Juice	Point estimate using FDA strawberry data incorporating ½ LOD and 12% CT = 0.0025.	12%	
Tangelos	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples =1209. RDF #22
Tangerines	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22
Tangerine Juice	Full distribution of PDP orange juice data.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Tangerine Juice Concentrate	Full distribution of PDP orange juice data and a concentration factor.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Tomato Juice	Point estimate using PDP tomato data incorporating ½ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato Catsup	Point estimate using PDP tomato data incorporating ½ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato Paste	Point estimate using PDP tomato data incorporating ½ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato Puree	Point estimate using PDP tomato data incorporating ½ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato, Whole	Composite PDP tomato data and incorporated 10% CT for unprocessed and 11% CT for processed tomatoes.	10%/11%	Low PDP residues (<0.1) detected in three years of PDP data. Total of 879 samples. RDF #12 and #31
Tomato, Dried	Composite PDP tomato data directly incorporating 10% CT and concentration factor.	10%	Low PDP residues (<0.1) detected in three years of PDP data. Total of 879 samples. RDF #31
Walnut Oil	Point estimate using mean FT X 30% CT = 0.029. Point estimate multiplied by processing factor. [Field trials used 2.0 lb ai/A, 3 applications, PHI of 21 days].	30%	
Walnuts	Point estimate using mean FT X 30% CT = 0.029. [Field trials used 2.0 lb ai/A, 3 applications, PHI of 21 days].	30%	

Crop	Residue Data Used	%Crop Treated[1]	Comments on data Selected
Watermelon Juice	No detectable residues found. ½ LOD = 0.0015 used	N/A	Not detected in four years of FDA monitoring (1994-97). RDF #25
Watermelon	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Wintermelon	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25

[1] %CT = Percent Crop Treated; BEAD estimated percent crop treated used for all commodities except kumquats, crabapples and quinces which were registrant supplied percent crop treated .

[2] FT = Field Trial

[3] PDP = Pesticide Data Program - This is a USDA pesticide residue monitoring program.

[4] LOD = Level of Detection

[5] When BEAD reports <0.5% crop treated (CT), 1% CT was used.

[6] Used % crop treated for raspberry

[7] 58% CT used for sweet cherries; 80% CT used for tart cherries.

[8] RDF = Residue distribution File

Revised Monte Carlo Analysis

```
U.S. Environmental Protection Agency                        Ver. 6.73
DEEM ACUTE analysis for AZINPHOS METHYL              (1989-92 data)
Residue file: $sazmfin.R96              Adjustment factor #2 NOT used.
Analysis Date: 05-12-1999/15:44:05    Residue file dated: 05-12-1999/14:11:32/8
Acute Reference Dose (aRfD) =    0.003000 mg/kg body-wt/day
NOEL (Acute) =    1.000000 mg/kg body-wt/day
MC iterations = 1000      MC list in residue file      MC seed =     10
Run Comment: New BEAD %CT(March 1999) and using est. Maximum
==============================================================================
```

Summary calculations:

	95th Percentile			99th Percentile			99.9th Percentile	
Exposure	% aRfD	MOE	Exposure	% aRfD	MOE	Exposure	% aRfD	MOE
U.S. pop - all seasons:								
0.000179	5.98	5571	0.000500	16.65	2001	0.001781	59.37	561
All infants (<1 year):								
0.000450	14.99	2223	0.000881	29.37	1134	0.003003	100.12	332
Nursing infants (<1 year):								
0.000290	9.66	3451	0.001232	41.07	811	0.003632	121.07	275
Non-nursing infants (<1 yr):								
0.000463	15.44	2158	0.000719	23.98	1389	0.002234	74.47	447
Children (1-6 years):								
0.000415	13.84	2409	0.001046	34.86	956	0.003913	130.43	255
Children (7-12 years):								
0.000261	8.70	3831	0.000724	24.13	1381	0.002704	90.12	369

13

13 25

U.S. Environmental Protection Agency   Ver. 6.73
DEEM Acute analysis for AZINPHOS METHYL   1989-92 data
Residue file name: E:\MAX_NEW\$sazmfin.R96   Adjust. #2 NOT used
Analysis Date 05-12-1999   Residue file dated: 05-12-1999/14:11:32/8
Reference dose: aRfD = 0.003 mg/kg bw/day NOEL = 1 mg/kg bw/day
Comment: New BEAD %CT(March 1999) and using est. Maximum

RDF indices and file names for Monte Carlo Analysis
   1 1fdarasp.rdf
   2 1fdablub.rdf
   3 Grpehans.rdf
   4 1fdastrw.rdf
   5 Grfrhans.rdf
   6 Lemohans.rdf
   7 Citrhans.rdf
   8 Ssapple.rdf
   9 Pdpappjc.rdf
  10 sspear.rdf
  11 Peachans.rdf
  12 TomaFres.rdf
  13 Celehans.rdf
  14 Brochans.rdf
  15 Brushans.rdf
  16 Cabboth.rdf
  17 Caulhans.rdf
  18 Dryonion.rdf
  19 Gronion.rdf
  20 Pdpoj.rdf
  21 Sscrabap.rdf
  22 Ornghans.rdf
  23 Ssquinc.rdf
  24 Grbn.rdf
  25 melon.rdf
  26 cucumb.rdf
  27 Cantelop.rdf
  28 Nectarin.rdf
  29 Plumhans.rdf
  30 potato.rdf
  31 TomaProc.rdf
  32 honeyde.rdf
  33 Scherry.rdf
  34 Tcherry.rdf

14

Food	Crop Grp	Food Name	RESIDUE (ppm)	RDF #	Adj.Factors #1	Code #2
1	13A	Blackberries				
		11-Uncooked	0.730000	1	0.370	1.000
		13-Baked	0.730000	1	0.370	1.000
		14-Boiled	0.730000	1	0.370	1.000
		31-Canned: NFS	0.730000	1	0.140	1.000
		34-Canned: Boiled	0.730000	1	0.140	1.000
		41-Frozen: NFS	0.730000	1	0.310	1.000
2	13A	Boysenberries	0.730000	1	0.370	1.000
3	13A	Dewberries	0.730000	1	0.370	1.000
4	13A	Loganberries	0.730000	1	0.370	1.000
5	13A	Raspberries				
		11-Uncooked	0.730000	1	0.370	1.000
		13-Baked	0.730000	1	0.370	1.000
		14-Boiled	0.730000	1	0.370	1.000
		31-Canned: NFS	0.730000	1	0.140	1.000
		34-Canned: Boiled	0.730000	1	0.140	1.000
		41-Frozen: NFS	0.730000	1	0.140	1.000
7	13B	Blueberries				
		11-Uncooked	0.300000	2	0.370	1.000
		12-Cooked: NFS	0.300000	2	0.370	1.000
		13-Baked	0.300000	2	0.370	1.000
		14-Boiled	0.300000	2	0.370	1.000
		15-Fried	0.300000	2	0.370	1.000
		31-Canned: NFS	0.300000	2	0.140	1.000
		41-Frozen: NFS	0.300000	2	0.310	1.000
8	O	Cranberries				
		11-Uncooked	0.020000	0	0.370	1.000
		12-Cooked: NFS	0.020000	0	0.370	1.000
		13-Baked	0.020000	0	0.370	1.000
		18-Dried	0.020000	0	0.370	1.000
		31-Canned: NFS	0.020000	0	0.140	1.000
		42-Frozen: Cooked	0.020000	0	0.310	1.000
9	O	Cranberries-juice	0.020000	0	0.320	1.000
13	O	Grapes				
		11-Uncooked	7.200000	3	1.000	1.000
		12-Cooked: NFS	7.200000	3	1.000	1.000
		31-Canned: NFS	0.330000	3	0.380	1.000
		41-Frozen: NFS	0.330000	3	0.860	1.000
14	O	Grapes-raisins	0.330000	3	4.300	1.000
15	O	Grapes-juice	0.000300	0	1.200	1.000
17	O	Strawberries				
		11-Uncooked	1.300000	4	0.370	1.000
		12-Cooked: NFS	0.432000	4	0.370	1.000
		13-Baked	0.432000	4	0.370	1.000
		14-Boiled	0.432000	4	0.370	1.000
		31-Canned: NFS	0.432000	4	0.140	1.000
		34-Canned: Boiled	0.432000	4	0.140	1.000
		41-Frozen: NFS	0.432000	4	0.310	1.000
20	10	Citrus citron	0.013000	7	1.000	1.000
22	10	Grapefruit-peeled fruit	1.500000	5	1.000	1.000
23	10	Grapefruit-juice	0.010200	20	1.000	1.000
24	10	Kumquats	0.013000	7	1.000	1.000
26	10	Lemons-peeled fruit	1.500000	6	1.000	1.000
27	10	Lemons-peel	1.500000	6	1.000	1.000
28	10	Lemons-juice	0.179000	20	1.000	1.000
30	10	Limes-peeled fruit	1.500000	7	1.000	1.000

15

31 10	Limes-peel		1.500000	7	1.000	1.000
32 10	Limes-juice		0.179000	20	1.000	1.000
33 10	Oranges-juice-concentrate		0.013000	20	4.900	1.000
34 10	Oranges-peeled fruit		1.500000	22	1.000	1.000
35 10	Oranges-peel		1.500000	22	1.000	1.000
36 10	Oranges-juice					
		11-Uncooked	0.013000	20	1.000	1.000
		12-Cooked: NFS	0.013000	20	1.000	1.000
		31-Canned: NFS	0.013000	20	1.000	1.000
		41-Frozen: NFS	0.013000	20	1.000	1.000
37 10	Tangelos		1.500000	7	1.000	1.000
38 10	Tangerines		1.500000	7	1.000	1.000
39 10	Tangerines-juice		0.013000	20	1.000	1.000
40 14	Almonds		0.004000	0	1.000	1.000
44 14	Filberts (hazelnuts)		0.015600	0	1.000	1.000
47 14	Pecans		0.001200	0	1.000	1.000
48 14	Walnuts		0.029200	0	1.000	1.000
50 O	Pistachio nuts		0.001200	0	1.000	1.000
52 11	Apples					
		11-Uncooked	1.270000	8	1.000	1.000
		12-Cooked: NFS	1.270000	8	1.000	1.000
		13-Baked	1.270000	8	1.000	1.000
		14-Boiled	0.037000	0	0.360	1.000
		15-Fried	1.270000	8	1.000	1.000
		18-Dried	0.000000	0	1.000	1.000
		31-Canned: NFS	0.037000	0	0.360	1.000
		32-Canned: Cooked	0.037000	0	0.360	1.000
		33-Canned: Baked	0.037000	0	0.360	1.000
		34-Canned: Boiled	0.037000	0	0.360	1.000
		42-Frozen: Cooked	0.153000	8	0.360	1.000
53 11	Apples-dried		0.153000	8	5.840	1.000
54 11	Apples-juice/cider		0.010000	9	1.000	1.000
55 11	Crabapples		1.270000	21	1.000	1.000
56 11	Pears					
		11-Uncooked	1.270000	10	1.000	1.000
		12-Cooked: NFS	0.059000	0	1.000	1.000
		13-Baked	1.270000	10	1.000	1.000
		14-Boiled	0.059000	0	1.000	1.000
		31-Canned: NFS	0.059000	0	0.360	1.000
57 11	Pears-dried					
		13-Baked	0.150000	10	5.800	1.000
		14-Boiled	0.059000	10	5.800	1.000
		18-Dried	0.000000	0	1.000	1.000
58 11	Quinces		1.270000	23	1.000	1.000
61 12	Cherries					
		11-Uncooked	1.190000	33	0.370	1.000
		12-Cooked: NFS	1.640000	34	0.370	1.000
		13-Baked	1.640000	34	0.370	1.000
		14-Boiled	1.640000	34	0.370	1.000
		31-Canned: NFS	1.640000	34	0.037	1.000
		33-Canned: Baked	1.640000	34	0.037	1.000
		41-Frozen: NFS	1.640000	34	0.310	1.000
62 12	Cherries-dried		1.190000	33	2.160	1.000
63 12	Cherries-juice					
		13-Baked	0.050000	0	0.320	1.000
		14-Boiled	0.050000	0	0.320	1.000
		31-Canned: NFS	0.050000	0	0.120	1.000
		41-Frozen: NFS	0.050000	0	0.280	1.000
64 12	Nectarines		0.790000	28	1.000	1.000

16

65 12	Peaches					
		11-Uncooked	0.260000	11	1.000	1.000
		12-Cooked: NFS	0.260000	11	1.000	1.000
		13-Baked	0.260000	11	1.000	1.000
		14-Boiled	0.020000	0	0.360	1.000
		31-Canned: NFS	0.020000	0	0.360	1.000
		41-Frozen: NFS	0.190000	11	0.360	1.000
66 12	Peaches-dried		0.260000	11	7.000	1.000
67 12	Plums (damsons)					
		11-Uncooked	0.890000	29	1.000	1.000
		12-Cooked: NFS	0.890000	29	1.000	1.000
		31-Canned: NFS	0.020000	0	0.360	1.000
		42-Frozen: Cooked	0.020000	29	0.360	1.000
		51-Cured: NFS (smoked/p	0.020000	29	1.000	1.000
68 12	Plums-prunes (dried)		0.020000	29	5.000	1.000
69 12	Plums/prune-juice		0.010400	0	1.400	1.000
141 9A	Melons-cantaloupes-juice		0.001500	0	1.000	1.000
142 9A	Melons-cantaloupes-pulp		0.001500	27	1.000	1.000
143 9A	Casabas		0.001500	25	1.000	1.000
144 9A	Crenshaws		0.001500	25	0.031	1.000
145 9A	Melons-honeydew		0.001500	32	1.000	1.000
146 9A	Melons-persian		0.001500	25	1.000	1.000
147 9A	Watermelon		0.001500	25	1.000	1.000
148 9B	Cucumbers					
		11-Uncooked	0.001500	26	0.410	1.000
		34-Canned: Boiled	0.001500	26	0.004	1.000
		60-Canned: Cured	0.001500	26	0.004	1.000
159 8	Tomatoes-whole					
		11-Uncooked	1.530000	12	1.000	1.000
		12-Cooked: NFS	1.530000	12	1.000	1.000
		13-Baked	1.530000	12	1.000	1.000
		14-Boiled	1.530000	12	1.000	1.000
		15-Fried	1.530000	12	1.000	1.000
		31-Canned: NFS	0.041000	31	1.000	1.000
		32-Canned: Cooked	0.041000	31	1.000	1.000
		33-Canned: Baked	0.041000	31	1.000	1.000
		34-Canned: Boiled	0.041000	31	1.000	1.000
		42-Frozen: Cooked	0.041000	31	1.000	1.000
160 8	Tomatoes-juice					
		31-Canned: NFS	0.003100	0	0.004	1.000
		32-Canned: Cooked	0.003100	0	0.004	1.000
		34-Canned: Boiled	0.003100	0	0.004	1.000
		42-Frozen: Cooked	0.003100	0	0.316	1.000
161 8	Tomatoes-puree					
		12-Cooked: NFS	0.003100	0	0.020	1.000
		14-Boiled	0.003100	0	0.020	1.000
		31-Canned: NFS	0.003100	0	0.000	1.000
		32-Canned: Cooked	0.003100	0	0.000	1.000
		33-Canned: Baked	0.003100	0	0.000	1.000
		34-Canned: Boiled	0.003100	0	0.000	1.000
		42-Frozen: Cooked	0.003100	0	0.014	1.000
162 8	Tomatoes-paste					
		14-Boiled	0.003100	0	0.010	1.000
		31-Canned: NFS	0.003100	0	0.000	1.000
		32-Canned: Cooked	0.003100	0	0.000	1.000
		33-Canned: Baked	0.003100	0	0.000	1.000
		34-Canned: Boiled	0.003100	0	0.000	1.000
		42-Frozen: Cooked	0.003100	0	0.007	1.000
163 8	Tomatoes-catsup		0.003100	0	0.020	1.000

166 4B	Celery				
	11-Uncooked	0.900000	13	1.000	1.000
	12-Cooked: NFS	0.900000	13	1.000	1.000
	13-Baked	0.900000	13	1.000	1.000
	14-Boiled	0.900000	13	1.000	1.000
	15-Fried	0.900000	13	1.000	1.000
	31-Canned: NFS	0.518000	13	0.830	1.000
	32-Canned: Cooked	0.518000	13	0.830	1.000
	34-Canned: Boiled	0.518000	13	0.830	1.000
	42-Frozen: Cooked	0.518000	13	0.720	1.000
168 5A	Broccoli				
	11-Uncooked	0.940000	14	1.000	1.000
	12-Cooked: NFS	0.940000	14	1.000	1.000
	13-Baked	0.940000	14	1.000	1.000
	14-Boiled	0.940000	14	1.000	1.000
	15-Fried	0.940000	14	1.000	1.000
	32-Canned: Cooked	0.010000	14	0.830	1.000
	42-Frozen: Cooked	0.010000	14	0.720	1.000
	44-Frozen: Boiled	0.010000	14	0.720	1.000
169 5A	Brussels sprouts	0.750000	15	1.000	1.000
170 5A	Cabbage-green and red				
	11-Uncooked	0.300000	16	1.000	1.000
	12-Cooked: NFS	0.300000	16	1.000	1.000
	13-Baked	0.300000	16	1.000	1.000
	14-Boiled	0.300000	16	1.000	1.000
	15-Fried	0.300000	16	1.000	1.000
	31-Canned: NFS	0.010000	16	0.830	1.000
	32-Canned: Cooked	0.010000	16	0.830	1.000
	51-Cured: NFS (smoked/p	0.010000	16	1.000	1.000
171 5A	Cauliflower				
	11-Uncooked	0.940000	17	1.000	1.000
	12-Cooked: NFS	0.940000	17	1.000	1.000
	14-Boiled	0.940000	17	1.000	1.000
	15-Fried	0.940000	17	1.000	1.000
	42-Frozen: Cooked	0.010000	17	1.000	1.000
195 O	Grapes-leaves	7.200000	3	0.370	1.000
204 3	Leeks	0.550000	19	0.410	1.000
205 3	Onions-dry-bulb (cipollini)				
	11-Uncooked	0.050000	18	1.000	1.000
	12-Cooked: NFS	0.050000	18	1.000	1.000
	13-Baked	0.050000	18	1.000	1.000
	14-Boiled	0.050000	18	1.000	1.000
	15-Fried	0.050000	18	1.000	1.000
	31-Canned: NFS	0.013000	18	1.000	1.000
	32-Canned: Cooked	0.013000	18	1.000	1.000
	34-Canned: Boiled	0.013000	18	1.000	1.000
	42-Frozen: Cooked	0.013000	18	1.000	1.000
	43-Frozen: Baked	0.013000	18	1.000	1.000
	44-Frozen: Boiled	0.013000	18	1.000	1.000
	60-Canned: Cured	0.013000	18	1.000	1.000
206 3	Onions-dehydrated or dried	0.013000	18	9.000	1.000
207 1C	Potatoes/white-whole	0.011000	30	1.000	0.200
208 1C	Potatoes/white-unspecified	0.011000	30	1.000	0.200
209 1C	Potatoes/white-peeled	0.011000	30	1.000	0.200
210 1C	Potatoes/white-dry	0.001100	0	6.500	1.000
211 1C	Potatoes/white-peel only	0.011000	30	1.000	0.200
217 3	Shallots	0.050000	18	1.000	1.000
233 6B	Beans-succulent-lima				
	11-Uncooked	2.000000	24	1.000	1.000

		12-Cooked: NFS	2.000000	24	1.000	1.000
		14-Boiled	2.000000	24	1.000	1.000
		32-Canned: Cooked	2.000000	24	0.830	1.000
		42-Frozen: Cooked	2.000000	24	0.720	1.000
		44-Frozen: Boiled	2.000000	24	0.720	1.000
234	6A	Beans-succulent-green				
		11-Uncooked	2.000000	24	1.000	1.000
		12-Cooked: NFS	2.000000	24	1.000	1.000
		14-Boiled	2.000000	24	1.000	1.000
		31-Canned: NFS	2.000000	24	0.830	1.000
		32-Canned: Cooked	2.000000	24	0.830	1.000
		34-Canned: Boiled	2.000000	24	0.830	1.000
		42-Frozen: Cooked	2.000000	24	0.720	1.000
		44-Frozen: Boiled	2.000000	24	0.720	1.000
		51-Cured: NFS (smoked/p	2.000000	24	1.000	1.000
235	6A	Beans-succulent-other				
		34-Canned: Boiled	2.000000	24	0.830	1.000
236	6A	Beans-succulent-yellow/wax				
		14-Boiled	2.000000	24	1.000	1.000
		32-Canned: Cooked	2.000000	24	0.830	1.000
		42-Frozen: Cooked	2.000000	24	0.720	1.000
248	O	Alfalfa sprouts	0.020000	0	0.410	1.000
250	6B	Beans-succulent-broadbeans	2.000000	24	1.000	1.000
253	6	Beans-unspecified	2.000000	24	1.000	1.000
257	6	Beans-succulent-hyacinth	2.000000	24	1.000	1.000
262	3	Onions-green				
		11-Uncooked	0.550000	19	1.000	1.000
		12-Cooked: NFS	0.550000	19	1.000	1.000
		13-Baked	0.550000	19	1.000	1.000
		14-Boiled	0.550000	19	1.000	1.000
		15-Fried	0.550000	19	1.000	1.000
		31-Canned: NFS	0.011000	19	1.000	1.000
		32-Canned: Cooked	0.011000	19	1.000	1.000
290	O	Cottonseed-oil	0.500000	0	1.000	1.000
291	O	Cottonseed-meal	0.500000	0	1.000	1.000
377	11	Apples-juice-concentrate				
		12-Cooked: NFS	0.010000	9	3.000	1.000
		13-Baked	0.010000	9	3.000	1.000
		31-Canned: NFS	0.010000	9	3.000	1.000
		41-Frozen: NFS	0.010000	9	3.000	1.000
380	13A	Blackberries-juice	0.002000	0	0.320	1.000
383	5B	Cabbage-savoy	0.300000	16	1.000	1.000
384	4B	Celery juice	0.003000	0	1.000	1.000
389	O	Cranberries-juice-concentrate	0.020000	0	0.510	1.000
392	O	Grapes-juice-concentrate	0.000300	0	3.600	1.000
402	12	Peaches-juice	0.020000	0	0.810	1.000
404	11	Pears-juice	0.150000	9	1.000	1.000
416	O	Strawberries-juice	0.002500	0	0.320	1.000
420	10	Tangerines-juice-concentrate	0.012000	20	3.200	1.000
423	8	Tomatoes-dried	0.041000	12	7.450	1.000
431	14	Walnut oil	0.029200	0	1.000	1.000
436	9A	Watermelon-juice	0.001500	25	1.000	1.000
439	9B	Wintermelon	0.001500	25	1.000	1.000
441	10	Grapefruit-juice-concentrate	0.010000	20	3.000	1.000
442	10	Lemons-juice-concentrate	0.179000	20	2.000	1.000
443	10	Limes-juice-concentrate	0.179000	20	3.000	1.000
448	10	Grapefruit peel	1.500000	5	1.000	1.000
467	19B	Celery seed	0.003000	0	1.000	1.000

Subpopulations:
    1 = U.S. pop - all seasons
    2 = All infants (<1 year)
    3 = Nursing infants (<1 year)
    4 = Non-nursing infants (<1 yr)
    5 = Children (1-6 years)
    6 = Children (7-12 years)

Number of individual exposure records cannot exceed 100
CEC file terminated; analysis continues.

CEC's for subpopulation 1 U.S. pop - all seasons

Demographic data for each record:
 rec pid day sex age bw-kg nf tot expos
  #   # --- --- --- ------ -- ----------

Exposure contribution data by food consumed (nf lines):
rac ff amt(g) residue adj#1 contributn percnt
--- -- ------ ---------- ----- ---------- ------

   1   1 1   F   5   15.00   1   0.002118
168 14   77.7 0.400000 1.00   0.002072   97.83
Broccoli; Boiled

   2   1 1   F   5   15.00   1   0.003483
65   12   58.8 0.877700 1.00   0.003441   98.78
Peaches; Cooked: NFS

   3   1 1   F   5   15.00   1   0.002177
168 14   77.7 0.400000 1.00   0.002072   95.18
Broccoli; Boiled

   4   1 1   F   5   15.00   1   0.002391
65   12   58.8 0.598870 1.00   0.002348   98.18
Peaches; Cooked: NFS

   5   1 1   F   5   15.00   1   0.002191
65   12   58.8 0.548220 1.00   0.002149   98.07
Peaches; Cooked: NFS

   6   1 1   F   5   15.00   1   0.001997
65   12   58.8 0.498590 1.00   0.001954   97.88
Peaches; Cooked: NFS

   7   1 1   F   5   15.00   1   0.002158
168 14   77.7 0.400000 1.00   0.002072   96.02
Broccoli; Boiled

   8   1 1   F   5   15.00   1   0.002020
65   12   58.8 0.503700 1.00   0.001975   97.73
Peaches; Cooked: NFS

   9   1 3   F   5   15.00   1   0.002447
168 14   91.4 0.400000 1.00   0.002437   99.59
Broccoli; Boiled

  10   2 1   M   40   72.73   2   0.001884
52   11   212.0 0.560000 1.00   0.001632   86.67
Apples; Uncooked
61   13   103.8 0.400000 0.37   0.000211   11.21
Cherries; Baked

  11   2 1   M   40   72.73   1   0.006393
66   18   8.3 7.600000 7.00   0.006071   94.97
Peaches-dried; Dried

  12   2 1   M   40   72.73   3   0.001860
52   11   212.0 0.190000 1.00   0.000554   29.77
Apples; Uncooked
53   13   8.3 0.330000 5.84   0.000220   11.82
Apples-dried; Baked
66   18   8.3 1.246920 7.00   0.000996   53.55
Peaches-dried; Dried

  13   2 2   M   40   72.73   1   0.002580
66   18   8.3 3.166710 7.00   0.002530   98.07
Peaches-dried; Dried

  14   3 1   M   8   26.36   1   0.002642
52   11   138.0 0.480000 1.00   0.002513   95.09
Apples; Uncooked

  15   3 1   M   8   26.36   1   0.001814
52   11   138.0 0.330000 1.00   0.001727   95.23
Apples; Uncooked

  16   3 1   M   8   26.36   1   0.001891
52   11   138.0 0.330000 1.00   0.001727   91.35
Apples; Uncooked

  17   3 1   M   8   26.36   1   0.002825
52   11   138.0 0.520000 1.00   0.002722   96.36
Apples; Uncooked

  18   3 1   M   8   26.36   1   0.002017
52   11   138.0 0.370000 1.00   0.001937   96.04
Apples; Uncooked

  19   3 1   M   8   26.36   1   0.002609
52   11   138.0 0.480000 1.00   0.002513   96.30
Apples; Uncooked

  20   3 1   M   8   26.36   1   0.002044
52   11   138.0 0.370000 1.00   0.001937   94.75
Apples; Uncooked

  21   3 1   M   8   26.36   1   0.001809
52   11   138.0 0.330000 1.00   0.001727   95.50
Apples; Uncooked

  22   3 1   M   8   26.36   1   0.001921
52   11   138.0 0.330000 1.00   0.001727   89.90
Apples; Uncooked

  23   3 1   M   8   26.36   1   0.002670
52   11   138.0 0.480000 1.00   0.002513   94.09
Apples; Uncooked

  24   3 1   M   8   26.36   1   0.002808
52   11   138.0 0.520000 1.00   0.002722   96.92
Apples; Uncooked

  25   3 1   M   8   26.36   1   0.002868
52   11   138.0 0.520000 1.00   0.002722   94.92
Apples; Uncooked

  26   3 1   M   8   26.36   1   0.003011
52   11   138.0 0.560000 1.00   0.002931   97.34
Apples; Uncooked

  27   3 1   M   8   26.36   1   0.002806
52   11   138.0 0.520000 1.00   0.002722   97.02
Apples; Uncooked

  28   3 1   M   8   26.36   1   0.002810
52   11   138.0 0.520000 1.00   0.002722   96.86
Apples; Uncooked

  29   3 1   M   8   26.36   1   0.001890
52   11   138.0 0.330000 1.00   0.001727   91.39
Apples; Uncooked

  30   3 1   M   8   26.36   1   0.001844
159 34   61.3 0.710000 1.00   0.001651   89.55

20/25

```
Tomatoes-whole; Canned: Boiled

  31     3   1     M      8    26.36    1     0.002109
  52  11    138.0  0.370000  1.00      0.001937    91.82
Apples; Uncooked

  32     3   1     M      8    26.36    1     0.002811
  52  11    138.0  0.520000  1.00      0.002722    96.81
Apples; Uncooked

  33     3   1     M      8    26.36    1     0.002841
  52  11    138.0  0.520000  1.00      0.002722    95.81
Apples; Uncooked

  34     3   1     M      8    26.36    1     0.001860
  52  11    138.0  0.330000  1.00      0.001727    92.88
Apples; Uncooked

  35     3   1     M      8    26.36    1     0.002598
  52  11    138.0  0.480000  1.00      0.002513    96.73
Apples; Uncooked

  36     3   1     M      8    26.36    1     0.003022
  52  11    138.0  0.560000  1.00      0.002931    96.99
Apples; Uncooked

  37     3   3     M      8    26.36   ·1     0.001870
  52  11    138.0  0.330000  1.00      0.001727    92.39
Apples; Uncooked

  38     3   3     M      8    26.36    1     0.003018
  52  11    138.0  0.560000  1.00      0.002931    97.14
Apples; Uncooked

  39     3   3     M      8    26.36    1     0.002821
  52  11    138.0  0.520000  1.00      0.002722    96.49
Apples; Uncooked

  40     3   3     M      8    26.36    1     0.002036
  52  11    138.0  0.370000  1.00      0.001937    95.14
Apples; Uncooked

  41     3   3     M      8    26.36    1     0.002606
  52  11    138.0  0.480000  1.00      0.002513    96.42
Apples; Uncooked

  42     3   3     M      8    26.36    1     0.001820
  52  11    138.0  0.330000  1.00      0.001727    94.90
Apples; Uncooked

  43     3   3     M      8    26.36    1     0.002030
  52  11    138.0  0.370000  1.00      0.001937    95.40
Apples; Uncooked

  44     3   3     M      8    26.36    1     0.002069
  52  11    138.0  0.370000  1.00      0.001937    93.59
Apples; Uncooked

  45     3   3     M      8    26.36    1     0.002605
  52  11    138.0  0.480000  1.00      0.002513    96.43
Apples; Uncooked

  46     3   3     M      8    26.36    1     0.002023
  52  11    138.0  0.370000  1.00      0.001937    95.76
Apples; Uncooked

  47     3   3     M      8    26.36    1     0.003030
  52  11    138.0  0.560000  1.00      0.002931    96.73
Apples; Uncooked

  48     3   3     M      8    26.36    1     0.003046
  52  11    138.0  0.560000  1.00      0.002931    96.22
Apples; Uncooked

  49     4   3     M      6    19.09    1     0.002867
  52  11    138.0  0.370000  1.00      0.002675    93.28
Apples; Uncooked
```

```
  50     4   3     M      6    19.09    1     0.002032
  52  11    138.0  0.250000  1.00      0.001807    88.95
Apples; Uncooked

  51     4   3     M      6    19.09    1     0.002013
  52  11    138.0  0.260000  1.00      0.001879    93.37
Apples; Uncooked

  52     4   3     M      6    19.09    1     0.002808
  52  11    138.0  0.370000  1.00      0.002675    95.24
Apples; Uncooked

  53     4   3     M      6    19.09    1     0.002909
  52  11    138.0  0.370000  1.00      0.002675    91.96
Apples; Uncooked

  54     4   3     M      6    19.09    1     0.002027
  52  11    138.0  0.260000  1.00      0.001879    92.74
Apples; Uncooked

  55     4   3     M      6    19.09    1     0.002013
  52  11    138.0  0.260000  1.00      0.001879    93.37
Apples; Uncooked

  56     4   3     M      6    19.09    1     0.002519
  52  11    138.0  0.330000  1.00      0.002385    94.69
Apples; Uncooked

  57     4   3     M      6    19.09    1     0.002822
  52  11    138.0  0.370000  1.00      0.002675    94.79
Apples; Uncooked

  58     4   3     M      6    19.09    1     0.004163
  52  11    138.0  0.560000  1.00      0.004048    97.23
Apples; Uncooked

  59     4   3     M      6    19.09    1     0.003892
  52  11    138.0  0.520000  1.00      0.003759    96.57
Apples; Uncooked

  60     4   3     M      6    19.09    1     0.002808
  52  11    138.0  0.370000  1.00      0.002675    95.25
Apples; Uncooked

  61     4   3     M      6    19.09    1     0.001941
  52  11    138.0  0.250000  1.00      0.001807    93.12
Apples; Uncooked

  62     4   3     M      6    19.09    1     0.003874
  52  11    138.0  0.520000  1.00      0.003759    97.03
Apples; Uncooked

  63     4   3     M      6    19.09    1     0.003983
  52  11    138.0  0.520000  1.00      0.003759    94.36
Apples; Uncooked

  64     4   3     M      6    19.09    1     0.002004
  52  11    138.0  0.260000  1.00      0.001879    93.79
Apples; Uncooked

  65     4   3     M      6    19.09    1     0.004181
  52  11    138.0  0.560000  1.00      0.004048    96.81
Apples; Uncooked

  66     4   3     M      6    19.09    1     0.002519
  52  11    138.0  0.330000  1.00      0.002385    94.70
Apples; Uncooked

  67     4   3     M      6    19.09    1     0.004182
  52  11    138.0  0.560000  1.00      0.004048    96.80
Apples; Uncooked

  68     4   3     M      6    19.09    1     0.002533
  52  11    138.0  0.330000  1.00      0.002385    94.19
Apples; Uncooked

  69     4   3     M      6    19.09    1     0.003594
  52  11    138.0  0.480000  1.00      0.003470    96.54
```

Apples; Uncooked

```
    70    4  3    M    6   19.09   1    0.003906
52  11   138.0   0.520000   1.00      0.003759   96.23
Apples; Uncooked


    71    4  3    M    6   19.09   1    0.004273
52  11   138.0   0.560000   1.00      0.004048   94.74
Apples; Uncooked


    72    4  3    M    6   19.09   1    0.003663
52  11   138.0   0.480000   1.00      0.003470   94.72
Apples; Uncooked


    73    4  3    M    6   19.09   1    0.003883
52  11   138.0   0.520000   1.00      0.003759   96.80
Apples; Uncooked


    74    4  3    M    6   19.09   1    0.003952
52  11   138.0   0.520000   1.00      0.003759   95.12
Apples; Uncooked


    75    4  3    M    6   19.09   1    0.003585
52  11   138.0   0.480000   1.00      0.003470   96.79
Apples; Uncooked


    76    4  3    M    6   19.09   1    0.004204
52  11   138.0   0.560000   1.00      0.004048   96.29
Apples; Uncooked


    77    4  3    M    6   19.09   1    0.002510
52  11   138.0   0.330000   1.00      0.002385   95.05
Apples; Uncooked


    78    4  3    M    6   19.09   1    0.003937
52  11   138.0   0.520000   1.00.     0.003759   95.47
Apples; Uncooked


    79    4  3    M    6   19.09   1    0.002799
52  11   138.0   0.370000   1.00      0.002675   95.56
Apples; Uncooked


    80    4  3    M    6   19.09   1    0.004241
52  11   138.0   0.560000   1.00      0.004048   95.46
Apples; Uncooked


    81    4  3    M    6   19.09   1    0.002085
52  11   138.0   0.270000   1.00      0.001952   93.60
Apples; Uncooked


    82    4  3    M    6   19.09   1    0.002044
52  11   138.0   0.260000   1.00      0.001879   91.94
Apples; Uncooked


    83    4  3    M    6   19.09   1    0.002076
52  11   138.0   0.270000   1.00      0.001952   94.01
Apples; Uncooked


    84    4  3    M    6   19.09   1    0.002104
52  11   138.0   0.260000   1.00      0.001879   89.33
Apples; Uncooked


    85    4  3    M    6   19.09   1    0.002578
52  11   138.0   0.330000   1.00      0.002385   92.53
Apples; Uncooked


    86    5  1    F    3   14.55   1    0.001925
52  11   138.0   0.190000   1.00      0.001803   93.64
Apples; Uncooked


    87    5  1    F    3   14.55   1    0.004699
52  11   138.0   0.480000   1.00      0.004554   96.92
Apples; Uncooked


    88    5  1    F    3   14.55   1    0.004680
52  11   138.0   0.480000   1.00      0.004554   97.31
Apples; Uncooked
```

```
    89    5  1    F    3   14.55   1    0.005449
52  11   138.0   0.560000   1.00      0.005313   97.50
Apples; Uncooked


    90    5  1    F    3   14.55   1    0.004786
52  11   138.0   0.480000   1.00      0.004554   95.14
Apples; Uncooked


    91    5  1    F    3   14.55   1    0.005082
52  11   138.0   0.520000   1.00      0.004933   97.07
Apples; Uncooked


    92    5  1    F    3   14.55   1    0.002688
52  11   138.0   0.270000   1.00      0.002562   95.29
Apples; Uncooked


    93    5  1    F    3   14.55   1    0.002610
52  11   138.0   0.260000   1.00      0.002467   94.50
Apples; Uncooked


    94    5  1    F    3   14.55   1    0.002689
52  11   138.0   0.270000   1.00      0.002562   95.27
Apples; Uncooked


    95    5  1    F    3   14.55   1    0.002606
52  11   138.0   0.260000   1.00      0.002467   94.67
Apples; Uncooked


    96    5  1    F    3   14.55   1    0.002208
159 34    40.9   0.710000   1.00      0.001996   90.40
Tomatoes-whole; Canned: Boiled


    97    5  1    F    3   14.55   1    0.001942
52  11   138.0   0.190000   1.00      0.001803   92.84
Apples; Uncooked


    98    5  1    F    3   14.55   1    0.003260
52  11   138.0   0.330000   1.00      0.003131   96.04
Apples; Uncooked


    99    5  1    F    3   14.55   1    0.003654
52  11   138.0   0.370000   1.00      0.003510   96.08
Apples; Uncooked


   100    5  1    F    3   14.55   1    0.004692
52  11   138.0   0.480000   1.00      0.004554   97.06
Apples; Uncooked
```

CEC's for subpopulation 2 All infants (<1 year)

Demographic data for each record:
```
 rec pid day sex age  bw-kg nf  tot expos
  #   #  --- --- ---  ------ -- ----------
```

Exposure contribution data by food consumed (nf lines):
```
rac ff  amt(g)   residue   adj#1  contributn  percnt
--- --  ------  ----------  -----  ----------  ------
```

CEC's for subpopulation 3 Nursing infants (<1 year)

Demographic data for each record:
```
 rec pid day sex age  bw-kg nf  tot expos
  #   #  --- --- ---  ------ -- ----------
```

Exposure contribution data by food consumed (nf lines):
```
rac ff  amt(g)   residue   adj#1  contributn  percnt
--- --  ------  ----------  -----  ----------  ------
```

CEC's for subpopulation 4 Non-nursing infants (<1 yr)

Demographic data for each record:
```
 rec pid day sex age  bw-kg nf  tot expos
```

```
 #   #   ---  ---  ---  ------  -- ----------

Exposure contribution data by food consumed (nf lines):
rac  ff  amt(g)   residue   adj#1  contributn  percnt
---  --  ------ ---------- -----  ---------- ------


CEC's for subpopulation  5  Children (1-6 years)

Demographic data for each record:
 rec pid day sex age  bw-kg nf  tot expos
  #   #   ---  ---  ---  ------  -- ----------

Exposure contribution data by food consumed (nf lines):
rac  ff  amt(g)   residue   adj#1  contributn  percnt
---  --  ------ ---------- -----  ---------- ------
```


```
   1   1   1    F    5   15.00   1   0.002118
168  14   77.7  0.400000   1.00    0.002072  97.83
Broccoli; Boiled

   2   1   1    F    5   15.00   1   0.003483
 65  12   58.8  0.877700   1.00    0.003441  98.78
Peaches; Cooked: NFS

   3   1   1    F    5   15.00   1   0.002177
168  14   77.7  0.400000   1.00    0.002072  95.18
Broccoli; Boiled

   4   1   1    F    5   15.00   1   0.002391
 65  12   58.8  0.598870   1.00    0.002348  98.18
Peaches; Cooked: NFS

   5   1   1    F    5   15.00   1   0.002191
 65  12   58.8  0.548220   1.00    0.002149  98.07
Peaches; Cooked: NFS

   6   1   1    F    5   15.00   1   0.001997
 65  12   58.8  0.498590   1.00    0.001954  97.88
Peaches; Cooked: NFS

   7   1   1    F    5   15.00   1   0.002158
168  14   77.7  0.400000   1.00    0.002072  96.02
Broccoli; Boiled

   8   1   1    F    5   15.00   1   0.002020
 65  12   58.8  0.503700   1.00    0.001975  97.73
Peaches; Cooked: NFS

   9   1   3    F    5   15.00   1   0.002447
168  14   91.4  0.400000   1.00    0.002437  99.59
Broccoli; Boiled

  49   4   3    M    6   19.09   1   0.002867
 52  11  138.0  0.370000   1.00    0.002675  93.28
Apples; Uncooked

  50   4   3    M    6   19.09   1   0.002032
 52  11  138.0  0.250000   1.00    0.001807  88.95
Apples; Uncooked

  51   4   3    M    6   19.09   1   0.002013
 52  11  138.0  0.260000   1.00    0.001879  93.37
Apples; Uncooked

  52   4   3    M    6   19.09   1   0.002808
 52  11  138.0  0.370000   1.00    0.002675  95.24
Apples; Uncooked

  53   4   3    M    6   19.09   1   0.002909
 52  11  138.0  0.370000   1.00    0.002675  91.96
Apples; Uncooked

  54   4   3    M    6   19.09   1   0.002027
 52  11  138.0  0.260000   1.00    0.001879  92.74
Apples; Uncooked
```

```
  55   4   3    M    6   19.09   1   0.002013
 52  11  138.0  0.260000   1.00    0.001879  93.37
Apples; Uncooked

  56   4   3    M    6   19.09   1   0.002519
 52  11  138.0  0.330000   1.00    0.002385  94.69
Apples; Uncooked

  57   4   3    M    6   19.09   1   0.002822
 52  11  138.0  0.370000   1.00    0.002675  94.79
Apples; Uncooked

  58   4   3    M    6   19.09   1   0.004163
 52  11  138.0  0.560000   1.00    0.004048  97.23
Apples; Uncooked

  59   4   3    M    6   19.09   1   0.003892
 52  11  138.0  0.520000   1.00    0.003759  96.57
Apples; Uncooked

  60   4   3    M    6   19.09   1   0.002808
 52  11  138.0  0.370000   1.00    0.002675  95.25
Apples; Uncooked

  61   4   3    M    6   19.09   1   0.001941
 52  11  138.0  0.250000   1.00    0.001807  93.12
Apples; Uncooked

  62   4   3    M    6   19.09   1   0.003874
 52  11  138.0  0.520000   1.00    0.003759  97.03
Apples; Uncooked

  63   4   3    M    6   19.09   1   0.003983
 52  11  138.0  0.520000   1.00    0.003759  94.36
Apples; Uncooked

  64   4   3    M    6   19.09   1   0.002004
 52  11  138.0  0.260000   1.00    0.001879  93.79
Apples; Uncooked

  65   4   3    M    6   19.09   1   0.004181
 52  11  138.0  0.560000   1.00    0.004048  96.81
Apples; Uncooked

  66   4   3    M    6   19.09   1   0.002519
 52  11  138.0  0.330000   1.00    0.002385  94.70
Apples; Uncooked

  67   4   3    M    6   19.09   1   0.004182
 52  11  138.0  0.560000   1.00    0.004048  96.80
Apples; Uncooked

  68   4   3    M    6   19.09   1   0.002533
 52  11  138.0  0.330000   1.00    0.002385  94.19
Apples; Uncooked

  69   4   3    M    6   19.09   1   0.003594
 52  11  138.0  0.480000   1.00    0.003470  96.54
Apples; Uncooked

  70   4   3    M    6   19.09   1   0.003906
 52  11  138.0  0.520000   1.00    0.003759  96.23
Apples; Uncooked

  71   4   3    M    6   19.09   1   0.004273
 52  11  138.0  0.560000   1.00    0.004048  94.74
Apples; Uncooked

  72   4   3    M    6   19.09   1   0.003663
 52  11  138.0  0.480000   1.00    0.003470  94.72
Apples; Uncooked

  73   4   3    M    6   19.09   1   0.003883
 52  11  138.0  0.520000   1.00    0.003759  96.80
Apples; Uncooked

  74   4   3    M    6   19.09   1   0.003952
 52  11  138.0  0.520000   1.00    0.003759  95.12
```

Apples; Uncooked

```
 75    4  3    M    6   19.09   1    0.003585
52 11   138.0  0.480000   1.00      0.003470   96.79
Apples; Uncooked

 76    4  3    M    6   19.09   1    0.004204
52 11   138.0  0.560000   1.00      0.004048   96.29
Apples; Uncooked

 77    4  3    M    6   19.09   1    0.002510
52 11   138.0  0.330000   1.00      0.002385   95.05
Apples; Uncooked

 78    4  3    M    6   19.09   1    0.003937
52 11   138.0  0.520000   1.00      0.003759   95.47
Apples; Uncooked

 79    4  3    M    6   19.09   1    0.002799
52 11   138.0  0.370000   1.00      0.002675   95.56
Apples; Uncooked

 80    4  3    M    6   19.09   1    0.004241
52 11   138.0  0.560000   1.00      0.004048   95.46
Apples; Uncooked

 81    4  3    M    6   19.09   1    0.002085
52 11   138.0  0.270000   1.00      0.001952   93.60
Apples; Uncooked

 82    4  3    M    6   19.09   1    0.002044
52 11   138.0  0.260000   1.00      0.001879   91.94
Apples; Uncooked

 83    4  3    M    6   19.09   1    0.002076
52 11   138.0  0.270000   1.00      0.001952   94.01
Apples; Uncooked

 84    4  3    M    6   19.09   1    0.002104
52 11   138.0  0.260000   1.00      0.001879   89.33
Apples; Uncooked

 85    4  3    M    6   19.09   1    0.002578
52 11   138.0  0.330000   1.00      0.002385   92.53
Apples; Uncooked

 86    5  1    F    3   14.55   1    0.001925
52 11   138.0  0.190000   1.00      0.001803   93.64
Apples; Uncooked

 87    5  1    F    3   14.55   1    0.004699
52 11   138.0  0.480000   1.00      0.004554   96.92
Apples; Uncooked

 88    5  1    F    3   14.55   1    0.004680
52 11   138.0  0.480000   1.00      0.004554   97.31
Apples; Uncooked

 89    5  1    F    3   14.55   1    0.005449
52 11   138.0  0.560000   1.00      0.005313   97.50
Apples; Uncooked

 90    5  1    F    3   14.55   1    0.004786
52 11   138.0  0.480000   1.00      0.004554   95.14
Apples; Uncooked

 91    5  1    F    3   14.55   1    0.005082
52 11   138.0  0.520000   1.00      0.004933   97.07
Apples; Uncooked

 92    5  1    F    3   14.55   1    0.002688
52 11   138.0  0.270000   1.00      0.002562   95.29
Apples; Uncooked

 93    5  1    F    3   14.55   1    0.002610
52 11   138.0  0.260000   1.00      0.002467   94.50
Apples; Uncooked

 94    5  1    F    3   14.55   1    0.002689
52 11   138.0  0.270000   1.00      0.002562   95.27
Apples; Uncooked

 95    5  1    F    3   14.55   1    0.002606
52 11   138.0  0.260000   1.00      0.002467   94.67
Apples; Uncooked

 96    5  1    F    3   14.55   1    0.002208
159 34   40.9  0.710000   1.00      0.001996   90.40
Tomatoes-whole; Canned: Boiled

 97    5  1    F    3   14.55   1    0.001942
52 11   138.0  0.190000   1.00      0.001803   92.84
Apples; Uncooked

 98    5  1    F    3   14.55   1    0.003260
52 11   138.0  0.330000   1.00      0.003131   96.04
Apples; Uncooked

 99    5  1    F    3   14.55   1    0.003654
52 11   138.0  0.370000   1.00      0.003510   96.08
Apples; Uncooked

100    5  1    F    3   14.55   1    0.004692
52 11   138.0  0.480000   1.00      0.004554   97.06
Apples; Uncooked


CEC's for subpopulation  6  Children (7-12 years)

Demographic data for each record:
 rec pid day sex age  bw-kg  nf  tot expos
  #   #  --- --- ---  ------ --  ----------

Exposure contribution data by food consumed (nf lines):
rac  ff   amt(g)   residue   adj#1  contributn  percnt
---  --   ------  ----------  -----  ----------  ------

 14    3  1    M    8   26.36   1    0.002642
52 11   138.0  0.480000   1.00      0.002513   95.09
Apples; Uncooked

 15    3  1    M    8   26.36   1    0.001814
52 11   138.0  0.330000   1.00      0.001727   95.23
Apples; Uncooked

 16    3  1    M    8   26.36   1    0.001891
52 11   138.0  0.330000   1.00      0.001727   91.35
Apples; Uncooked

 17    3  1    M    8   26.36   1    0.002825
52 11   138.0  0.520000   1.00      0.002722   96.36
Apples; Uncooked

 18    3  1    M    8   26.36   1    0.002017
52 11   138.0  0.370000   1.00      0.001937   96.04
Apples; Uncooked

 19    3  1    M    8   26.36   1    0.002609
52 11   138.0  0.480000   1.00      0.002513   96.30
Apples; Uncooked

 20    3  1    M    8   26.36   1    0.002044
52 11   138.0  0.370000   1.00      0.001937   94.75
Apples; Uncooked

 21    3  1    M    8   26.36   1    0.001809
52 11   138.0  0.330000   1.00      0.001727   95.50
Apples; Uncooked

 22    3  1    M    8   26.36   1    0.001921
52 11   138.0  0.330000   1.00      0.001727   89.90
Apples; Uncooked

 23    3  1    M    8   26.36   1    0.002670
52 11   138.0  0.480000   1.00      0.002513   94.09
```

Apples; Uncooked

```
24   3  1   M    8   26.36   1    0.002808
52  11   138.0   0.520000   1.00      0.002722   96.92
```
Apples; Uncooked

```
25   3  1   M    8   26.36   1    0.002868
52  11   138.0   0.520000   1.00      0.002722   94.92
```
Apples; Uncooked

```
26   3  1   M    8   26.36   1    0.003011
52  11   138.0   0.560000   1.00      0.002931   97.34
```
Apples; Uncooked

```
27   3  1   M    8   26.36   1    0.002806
52  11   138.0   0.520000   1.00      0.002722   97.02
```
Apples; Uncooked

```
28   3  1   M    8   26.36   1    0.002810
52  11   138.0   0.520000   1.00      0.002722   96.86
```
Apples; Uncooked

```
29   3  1   M    8   26.36   1    0.001890
52  11   138.0   0.330000   1.00      0.001727   91.39
```
Apples; Uncooked

```
30   3  1   M    8   26.36   1    0.001844
159  34   61.3   0.710000   1.00      0.001651   89.55
```
Tomatoes-whole; Canned: Boiled

```
31   3  1   M    8   26.36   1    0.002109
52  11   138.0   0.370000   1.00      0.001937   91.82
```
Apples; Uncooked

```
32   3  1   M    8   26.36   1    0.002811
52  11   138.0   0.520000   1.00      0.002722   96.81
```
Apples; Uncooked

```
33   3  1   M    8   26.36   1    0.002841
52  11   138.0   0.520000   1.00      0.002722   95.81
```
Apples; Uncooked

```
34   3  1   M    8   26.36   1    0.001860
52  11   138.0   0.330000   1.00      0.001727   92.88
```
Apples; Uncooked

```
35   3  1   M    8   26.36   1    0.002598
52  11   138.0   0.480000   1.00      0.002513   96.73
```
Apples; Uncooked

```
36   3  1   M    8   26.36   1    0.003022
52  11   138.0   0.560000   1.00      0.002931   96.99
```
Apples; Uncooked

```
37   3  3   M    8   26.36   1    0.001870
52  11   138.0   0.330000   1.00      0.001727   92.39
```
Apples; Uncooked

```
38   3  3   M    8   26.36   1    0.003018
52  11   138.0   0.560000   1.00      0.002931   97.14
```
Apples; Uncooked

```
39   3  3   M    8   26.36   1    0.002821
52  11   138.0   0.520000   1.00      0.002722   96.49
```
Apples; Uncooked

```
40   3  3   M    8   26.36   1    0.002036
52  11   138.0   0.370000   1.00      0.001937   95.14
```
Apples; Uncooked

```
41   3  3   M    8   26.36   1    0.002606
52  11   138.0   0.480000   1.00      0.002513   96.42
```
Apples; Uncooked

```
42   3  3   M    8   26.36   1    0.001820
52  11   138.0   0.330000   1.00      0.001727   94.90
```
Apples; Uncooked

```
43   3  3   M    8   26.36   1    0.002030
52  11   138.0   0.370000   1.00      0.001937   95.40
```
Apples; Uncooked

```
44   3  3   M    8   26.36   1    0.002069
52  11   138.0   0.370000   1.00      0.001937   93.59
```
Apples; Uncooked

```
45   3  3   M    8   26.36   1    0.002605
52  11   138.0   0.480000   1.00      0.002513   96.43
```
Apples; Uncooked

```
46   3  3   M    8   26.36   1    0.002023
52  11   138.0   0.370000   1.00      0.001937   95.76
```
Apples; Uncooked

```
47   3  3   M    8   26.36   1    0.003030
52  11   138.0   0.560000   1.00      0.002931   96.73
```
Apples; Uncooked

```
48   3  3   M    8   26.36   1    0.003046
52  11   138.0   0.560000   1.00      0.002931   96.22
```
Apples; Uncooked