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Herndon

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

JAN 28 1995

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Acute Dietary and Chronic Exposure Analysis for a Permanent Tolerance of Avermectin B_1 in/on Pears (PP# 9F3787)

FROM: Teung F. Chin, Ph.D., Biologist
Dietary Risk Evaluation Section
Science Analysis Branch/ HED

Teung F. Chin

TO: A. Heyward/G. LaRocca, Team 14
Insecticide-Rodenticide Branch
Registration Division (7505C)

THROUGH: Elizabeth A. Doyle, Ph.D., Section Head
DRES/SAB
Health Effects Division

E. A. Doyle

Action Requested

The Insecticide-Rodenticide Branch has requested a Dietary Risk Evaluation System (DRES) analysis be performed for residues of the insecticide/miticide Avermectin B_1 and its delta-8,9-isomer in/on pears at a proposed permanent tolerance of 0.02 ppm. (11/16/94 HED Review; CBTS# 14348; G.J. Herndon to A. Heyward/G. LaRocca).

Discussion

Toxicological Information:

For **chronic exposure**, a Reference Dose (RfD) of 0.0004 mg/kg/day has been assigned to Avermectin B_1 based on a No Observed Effect Level (NOEL) of 0.12 mg/kg/day in a two-generation rat reproduction study in which decreased viability of pups (decreased litter size and increased pup deaths) was observed. An Uncertainty Factor of 300 was employed rather than 100. The Peer Review Committee noted that "the greater uncertainty factor is supported by the severity of the effects (pup death) and steep dose-response ...." (7/8/93 HED Memo: "Developmental and Reproductive Toxicity Peer review of Avermectin"; R. Gardner to J. Ellenberger).

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Avermectin"; R. Gardner to J. Ellenberger).

For **acute exposure**, a NOEL of 0.06 mg/kg bwt/day was utilized. Avermectin B_1 is a developmental toxicant in mice. The appropriate Margin of Exposure is 100. (7/8/93 HED Memo: "Developmental and Reproductive Toxicity Peer review of Avermectin"; R. Gardner to J. Ellenberger).

DRES is not aware of any carcinogenic concerns for Avermectin B_1.

Percent Crop Treated - No percent crop treated information was utilized for the DRES acute exposure analysis since none was provided. It was assumed that 100 percent of the pear crop would be treated with Avermectin B_1.

Anticipated Residues (AR) - Anticipated residue (AR) data was provided by CBTS for both the DRES acute and chronic analyses (12/21/94 HED memo: CBTS# 14388; G. J. Herndon to A. Heyward/G. LaRocca). A list of the ARs are in Table 1. For the acute analysis, the ARC was identical to the proposed permanent tolerance of 0.02 ppm on pears for the acute analysis. For dried pears, an anticipated residue value of 0.088 ppm was employed (11/16/94 HED Review; CBTS# 14348; G.J. Herndon to A. Heyward/G. LaRocca). This DRES run also incorporates anticipated residue values for head lettuce (PP# 4F4373).

Results

1. Chronic Exposure:

The DRES chronic exposure analysis utilized anticipated residue level residues and treatment of 100% for each crop to estimate the Theoretical Maximum Residue Contribution (TMRC) and Anticipated Residue Contribution (ARC) of Avermectin B_1 from the diet to the general U.S. population and 22 population subgroups. The summary results of this analysis are attached as Table 2.

Percent of RfD Based on TMRC and Anticipated Residues

General U.S. Population

The calculated TMRC using all current tolerances for Avermectin B_1 for the general U.S. population is 1.58×10^{-4} mg/kg bwt/day which is 39% of the RfD. The portion of residues contributed by pears would be 2.45×10^{-6} mg/kg bwt/day, occupying 0.6% of the RfD for the general U.S. population (Table 2). The use of anticipated residues results in a lower contribution to the RfD; the calculated anticipated residue concentration (ARC) is 9.9×10^{-7} mg/kg bwt/day accounting for 0.2% of the RfD.

Non-Nursing Infants (< 1 Year)

Based on TMRC, the most highly exposed subgroups are non-nursing infants (< 1 year) and children (1-6 years). Non-nursing

infants (< 1 year) would have a TMRC of 4.96×10^{-4} mg/kg bwt/day or 124% of the RfD. However, based on anticipated residues, the ARC for non-nursing infants (< 1 year) is 8.4×10^{-5} mg/kg bwt/day accounting for 21% of the RfD.

Children (1-6 Years)

Based on TMRC, children (1-6 years) would have 3.77×10^{-4} mg/kg bwt/day, or 94% of the RfD. Based on anticipated residues, for children (1-6 years), the ARC for non-nursing infants (< 1 year) is 5.2×10^{-5} mg/kg bwt/day accounting for 13% of the RfD.

Comments - Chronic Dietary Risk

The DRES analysis indicated that the RfD for chronic exposure will not be exceeded by the establishment of a permanent tolerance of 0.05 ppm for residues of the insecticide/miticide Avermectin B_1 and its delta-8,9-isomer in/on head lettuce.

2. Acute Exposure: The DRES detailed acute analysis estimates the distribution of single-day exposures for the overall U.S. population and certain subgroups. The analysis evaluates individual food consumption as reported by respondents in the USDA 1977-78 Nationwide Food Consumption Survey (NFCS) and accumulates exposure to the chemical for each commodity. Each analysis assumes uniform distribution of Avermectin B_1 in the commodity supply. Since the toxicological endpoint to which exposure is being compared in this analysis is developmental toxicity, females (13+ yrs), is the subpopulation of particular interest.

The Margin of Exposure (MOE) is a measure of how close the high end exposure comes to the NOEL (the highest dose at which no effects were observed in the laboratory test), and is calculated as the ratio of the NOEL to the exposure (NOEL / exposure = MOE). When the data is derived from studies involving laboratory animals, the Agency is generally not concerned unless the MOE is below 100.

Comments - Acute Dietary Risk

The DRES analysis indicates that the MOE = 200 for the high end consumers of females (13+ years). Therefore, negligible acute dietary risk is expected if a permanent tolerance of 0.02 ppm for residues of the insecticide/miticide Avermectin B_1 and its delta-8,9-isomer in/on for pears is established. A table of the distribution of exposures used in this analysis is attached as Table 3. The calculations for the MOE are also included on Table 3.

Attachments

cc: DRES, IRB, RCAB, Tox I, CBTS, Caswell # 063AB

TABLE 1: Published, Pending & Proposed Tolerances and Anticipated Residues for Avermectin B_1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 063AB DATE: 01/23/95 PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Avermectin B1 Caswell #063AB CAS No. 65195-55-3 A.I. CODE: 122804 CFR No. 180.449	2gen reprod- rat NOEL= 0.1200 mg/kg 0.00 ppm LEL= 0.4000 mg/kg 0.00 ppm ONCO: Negative- 2 species.	Incr retinal folds in weanlings, decr viability & lactation indices; decr pup body wt; incr of dead pups at birth. No evidence of oncogenicity.	ADI UF -->300 OPP RfD= 0.000400 EPA RfD= 0.000400	No data gaps. UF of 300 due pup deaths in critical study & maternal developmental toxicity in teratology studies. Mouse teratogen.	HED complete 07/11/86 HED reassess 06/12/87 HED reassess 03/30/89 EPA verified 04/20/89 WHO reviewed 1992 On IRIS.

FOOD CODE	FOOD	FOOD FORM		PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS		0F3880	A 0.020000	0.020000		100.00	0.020000
01016AA	STRAWBERRIES	21 COOKED-NFS		0F3880	A 0.020000	0.020000		100.00	0.020000
01016AA	STRAWBERRIES	70 RAW-FROZEN		0F3880	A 0.020000	0.020000		100.00	0.020000
02001AA	CITRUS CITRON	22 COOKED-FRESH-BAKED	exp. 4/96	8F3592	P 0.020000	0.000850	PROCESSING	100.00	0.000850
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED	exp. 4/96	8F3592	P 0.020000	0.000850	PROCESSING	100.00	0.000850
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.000500	PROCESSING	100.00	0.000500
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.000500	PROCESSING	100.00	0.000500
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000850C	PROCESSING	100.00	0.000850
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000850C	PROCESSING	100.00	0.000850
02003AA	KUMQUATS	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.004000	PROCESSING	100.00	0.004000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.002500	PROCESSING	100.00	0.002500
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	exp. 4/96	8F3592	P 0.020000	0.002500	PROCESSING	100.00	0.002500
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.000500	PROCESSING	100.00	0.000500
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000500	PROCESSING	100.00	0.000500
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.100000	0.002500	PROCESSING	100.00	0.002500
02004HA	LEMONS-PEEL	21 COOKED-NFS	exp. 4/96	8F3592	P 0.100000	0.002500	PROCESSING	100.00	0.002500
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02004JA	LEMONS-JUICE	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02005AA	LIMES-UNSPEC	00 NOT SPECIFIED	exp. 4/96	8F3592	P 0.020000	0.002500	PROCESSING	100.00	0.002500
02005AB	LIMES-PULP	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.000500	PROCESSING	100.00	0.000500
02005HA	LIMES-PEEL	21 COOKED-NFS	exp. 4/96	8F3592	P 0.100000	0.002500	PROCESSING	100.00	0.002500
02005JA	LIMES-JUICE	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02005JA	LIMES-JUICE	15 RAW-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02005JA	LIMES-JUICE	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED	exp. 4/96	8F3592	P 0.020000	0.010000	PROCESSING	100.00	0.010000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.002000	PROCESSING	100.00	0.002000
02006AB	ORANGES-PULP	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.002000	PROCESSING	100.00	0.002000
02006HA	ORANGES-PEEL	21 COOKED-NFS	exp. 4/96	8F3592	P 0.100000	0.010000	PROCESSING	100.00	0.010000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	exp. 4/96	8F3592	P 0.100000	0.010000	PROCESSING	100.00	0.010000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.100000	0.010000	PROCESSING	100.00	0.010000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.001000C	PROCESSING	100.00	0.001000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.001000C	PROCESSING	100.00	0.001000
02007AA	TANGELOS	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.001000	PROCESSING	100.00	0.001000
02008AA	TANGERINES	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.001000	PROCESSING	100.00	0.001000
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.000250C	PROCESSING	100.00	0.000250
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS		9F3787	N 0.020000	0.008000		100.00	0.008000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED		9F3787	N 0.020000	0.008000		100.00	0.008000
04003AA	PEARS-FRESH	51 COOKED-CANNED		9F3787	N 0.020000	0.008000		100.00	0.008000

P = Published N = Proposed (New)

A = Pending

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Avermectin B1 Caswell #063AB CAS No. 65195-55-3 A.I. CODE: 122804 CFR No. 180.449	2gen reprod- rat NOEL= 0.1200 mg/kg 0.00 ppm LEL= 0.4000 mg/kg 0.00 ppm ONCO: Negative- 2 species.	Incr retinal folds in weanlings, decr viability & lactation indices; decr pup body wt; incr of dead pups at birth. No evidence of oncogenicity.	ADI UF -->300 OPP RfD= 0.000400 EPA RfD= 0.000400	No data gaps. UF of 300 due pup deaths in critical study & maternal developmental toxicity in teratology studies. Mouse teratogen.	HED complete 07/11/86 HED reassess 06/12/87 HED reassess 03/30/89 EPA verified 04/20/89 WHO reviewed 1992 On IRIS.

FOOD CODE	FOOD	FOOD FORM		PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		9F3787	N 0.020000	0.008000		100.00	0.008000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS		9F3787	N 0.020000	0.035000		100.00	0.035000
04003DA	PEARS-DRIED	21 COOKED-NFS		9F3787	N 0.020000	0.035000		100.00	0.035000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS		1E3943	P 0.010000	0.002000	IMPORT TOL	100.00	0.002000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS		1E3943	P 0.010000	0.002000	IMPORT TOL	100.00	0.002000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED		1E3943	P 0.010000	0.002000	IMPORT TOL	100.00	0.002000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS		9F3703	A 0.010000	0.000420C		100.00	0.000420
11005JA	TOMATOES-JUICE	21 COOKED-NFS		9F3703	A 0.010000	0.000420C		100.00	0.000420
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS		9F3703	A 0.010000	0.000800C		100.00	0.000800
11005RA	TOMATOES-PUREE	21 COOKED-NFS		9F3703	A 0.010000	0.000800C		100.00	0.000800
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED		9F3703	A 0.010000	0.000800C		100.00	0.000800
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED		9F3703	A 0.010000	0.000800C		100.00	0.000800
11005RA	TOMATOES-PUREE	51 COOKED-CANNED		9F3703	A 0.010000	0.000800C		100.00	0.000800
11005TA	TOMATOES-PASTE	21 COOKED-NFS		9F3703	A 0.010000	0.002400C		100.00	0.002400
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED		9F3703	A 0.010000	0.002400C		100.00	0.002400
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED		9F3703	A 0.010000	0.002400C		100.00	0.002400
11005UA	TOMATOES-CATSUP	21 COOKED-NFS		9F3703	A 0.010000	0.002200C		100.00	0.002200
13002AA	CELERY	10 RAW-FRESH OR NFS		8F3649	A 0.050000	0.011000		100.00	0.011000
13002AA	CELERY	21 COOKED-NFS		8F3649	A 0.050000	0.011000		100.00	0.011000
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)		8F3649	A 0.050000	0.011000		100.00	0.011000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS		4F4373	A 0.050000	0.009000		100.00	0.009000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS		4F4373	A 0.050000	0.009000		100.00	0.009000
13045AA	LETTUCE-HEAD	21 COOKED-NFS		4F4373	A 0.050000	0.009000		100.00	0.009000
27003OA	COTTONSEED-OIL	18 PROCESSED OIL	exp. 4/96	7F3500	P 0.005000	0.000200		100.00	0.000200
27003WA	COTTONSEED-MEAL	18 PROCESSED OIL	exp. 4/96	7F3500	P 0.005000	0.000500		100.00	0.000500
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.005000	0.001000		100.00	0.001000
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	exp. 4/96	8F3592	P 0.005000	0.001000		100.00	0.001000
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	exp. 4/96	8F3592	P 0.005000	0.001000		100.00	0.001000
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.005000	0.001000		100.00	0.001000
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	exp. 4/96	8F3592	P 0.005000	0.001000		100.00	0.001000
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	exp. 4/96	8F3592	P 0.005000	0.001000		100.00	0.001000
50000SA	MILK SUG (LACT)	21 COOKED-NFS	exp. 4/96	8F3592	P 0.005000	0.000250		100.00	0.000250
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	exp. 4/96	8F3592	P 0.005000	0.000250		100.00	0.000250
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.008000		100.00	0.008000
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,...	exp. 4/96	8F3592	P 0.020000	0.008000		100.00	0.008000
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.008000		100.00	0.008000
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	exp. 4/96	8F3592	P 0.020000	0.008000		100.00	0.008000
53001DA	BEEF-DRIED	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.006000		100.00	0.006000
53001FA	BEEF-FAT	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.006000		100.00	0.006000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOOD	FOOD FORM		PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	exp. 4/96	8F3592	P 0.020000	0.006000		100.00	0.006000
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	exp. 4/96	8F3592	P 0.020000	0.006000		100.00	0.006000
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	exp. 4/96	8F3592	P 0.020000	0.006000		100.00	0.006000
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	exp. 4/96	8F3592	P 0.020000	0.006000		100.00	0.006000
53001KA	BEEF-KIDNEY	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	exp. 4/96	8F3592	P 0.020000	0.008000		100.00	0.008000
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	exp. 4/96	8F3592	P 0.020000	0.008000		100.00	0.008000
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000
53001MA	BEEF-LEAN	21 COOKED-NFS	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	exp. 4/96	8F3592	P 0.020000	0.002000		100.00	0.002000

TABLE 2: CHRONIC DIETARY RISK ANALYSIS for AVERMECTIN B1 in/on PEARS

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS DATE: 01/23/95 PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY) CURRENT TMRC*	NEW TMRC**	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES ARC	%RFD
U.S. POPULATION - 48 STATES	0.000138	0.000158	39.478750	5.086000	0.000023	5.65600
U.S. POPULATION - SPRING SEASON	0.000134	0.000155	38.774000	5.363750	0.000023	5.64700
U.S. POPULATION - SUMMER SEASON	0.000135	0.000156	38.913250	5.071000	0.000023	5.62800
U.S. POPULATION - FALL SEASON	0.000140	0.000160	39.970000	4.899500	0.000023	5.66475
U.S. POPULATION - WINTER SEASON	0.000141	0.000161	40.250750	4.999000	0.000023	5.68000
NORTHEAST REGION	0.000154	0.000176	43.899750	5.442000	0.000024	5.97400
NORTH CENTRAL REGION	0.000140	0.000161	40.158000	5.193750	0.000023	5.81375
SOUTHERN REGION	0.000118	0.000134	33.400000	3.869250	0.000019	4.83150
WESTERN REGION	0.000146	0.000172	43.053500	6.547750	0.000026	6.42750
HISPANICS	0.000178	0.000200	50.118250	5.552500	0.000028	6.92075
NON-HISPANIC WHITES	0.000136	0.000157	39.337000	5.403750	0.000023	5.72750
NON-HISPANIC BLACKS	0.000127	0.000138	34.443500	2.708750	0.000018	4.50725
NON-HISPANIC OTHERS	0.000167	0.000190	47.461750	5.827250	0.000026	6.44150
NURSING INFANTS (< 1 YEAR OLD)	0.000134	0.000162	40.470500	7.085250	0.000028	7.06325
NON-NURSING INFANTS (< 1 YEAR OLD)	0.000461	0.000496	123.952000	8.709000	0.000084	21.07875
FEMALES (13+ YEARS, PREGNANT)	0.000104	0.000122	30.450250	4.406750	0.000017	4.17425
FEMALES 13+ YEARS, NURSING	0.000115	0.000140	34.949250	6.225250	0.000021	5.31850
CHILDREN (1-6 YEARS OLD)	0.000352	0.000377	94.185250	6.284500	0.000052	13.04900
CHILDREN (7-12 YEARS OLD)	0.000216	0.000241	60.149000	6.140500	0.000035	8.79650
MALES (13-19 YEARS OLD)	0.000138	0.000155	38.849250	4.288000	0.000023	5.81225
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.000115	0.000132	33.111000	4.360000	0.000019	4.76950
MALES (20 YEARS AND OLDER)	0.000090	0.000107	26.803750	4.398750	0.000016	3.93375
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.000090	0.000111	27.669500	5.122250	0.000015	3.79400

*Current TMRC does not include new or pending tolerances.
**New TMRC includes new, pending, and published tolerances.

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Avermectin B1 Caswell #063AB CAS No. 65195-55-3 A.I. CODE: 122804 CFR No. 180.449	2gen reprod- rat NOEL= 0.1200 mg/kg 0.00 ppm LEL= 0.4000 mg/kg 0.00 ppm ONCO: Negative- 2 species.	Incr retinal folds in weanlings, decr viability & lactation indices; decr pup body wt; incr of dead pups at birth. No evidence of oncogenicity.	ADI UF -->300 OPP RfD= 0.000400 EPA RfD= 0.000400	No data gaps. UF of 300 due pup deaths in critical study & maternal developmental toxicity in teratology studies. Mouse teratogen.	HED complete 07/11/86 HED reassess 06/12/87 HED reassess 03/30/89 EPA verified 04/20/89 WHO last reviewed 1992 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
27003OA	COTTONSEED-OIL	0.005	P	0.000102	0.026			
	18 PROCESSED OIL exp. 4/96					0.00020	0.000004	0.001
27003WA	COTTONSEED-MEAL	0.005	P	0.000001	0.000			
	18 PROCESSED OIL exp. 4/96					0.00050	0.000000	0.000
	CROP GROUP TOTALS FOR UNSPECIFIED:			0.000103	0.026		0.000004	0.001
13002AA	CELERY	0.050	A	0.003048	0.762			
	10 RAW-FRESH OR NFS					0.01100	0.000526	0.132
	21 COOKED-NFS					0.01100	0.000145	0.036
13016AA	FENNEL	0.050	A	0.000011	0.003			
	00 NOT SPECIFIED (NO CONSUMPTION)					0.01100	0.000002	0.001
13020AA	LETTUCE-UNSPECIFIED	0.050	A	0.000460	0.115			
	10 RAW-FRESH OR NFS					0.00900	0.000083	0.021
13045AA	LETTUCE-HEAD VARIETIES	0.050	A	0.010614	2.654			
	10 RAW-FRESH OR NFS					0.00900	0.001874	0.469
	21 COOKED-NFS					0.00900	0.000036	0.009
	CROP GROUP TOTALS FOR LEAFY VEGETABLES (EXCL. BRASSICAE):			0.014133	3.533		0.002666	0.667
11005AA	TOMATOES-WHOLE	0.010	P	0.004920	1.230			
	10 RAW-FRESH OR NFS					0.00200	0.000502	0.126
	21 COOKED-NFS					0.00200	0.000387	0.097
	31 COOKED-FRESH OR CANNED					0.00200	0.000094	0.024
11005JA	TOMATOES-JUICE	0.010	A	0.000551	0.138			
	10 RAW-FRESH OR NFS					0.00042	0.000001	0.000
	21 COOKED-NFS					0.00042	0.000022	0.006
11005RA	TOMATOES-PUREE	0.010	A	0.001702	0.426			
	10 RAW-FRESH OR NFS					0.00080	0.000000	0.000
	21 COOKED-NFS					0.00080	0.000077	0.019
	31 COOKED-FRESH OR CANNED					0.00080	0.000013	0.003
	32 COOKED-FRESH OR CANNED-BAKED					0.00080	0.000018	0.005
	51 COOKED-CANNED					0.00080	0.000029	0.007
11005TA	TOMATOES-PASTE	0.010	A	0.000395	0.099			
	21 COOKED-NFS					0.00240	0.000067	0.017
	22 COOKED-FRESH-BAKED					0.00240	0.000013	0.003
	31 COOKED-FRESH OR CANNED					0.00240	0.000015	0.004
11005UA	TOMATOES-CATSUP	0.010	A	0.000420	0.105			
	21 COOKED-NFS					0.00220	0.000092	0.023
	CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITS):			0.007988	1.997		0.001330	0.333

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM		TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
02001AA	CITRUS CITRON		0.020	P	0.000003	0.001			
	22 COOKED-FRESH-BAKED	exp. 4/96					0.00085	0.000000	0.000
02002AA	GRAPEFRUIT-UNSPECIFIED		0.020	P	0.000000	0.000			
	00 NOT SPECIFIED	exp. 4/96					0.00085	0.000000	0.000
02002AB	GRAPEFRUIT-PULP		0.020	P	0.001369	0.342			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00050	0.000034	0.009
	21 COOKED-NFS	exp. 4/96					0.00050	0.000000	0.000
02002JA	GRAPEFRUIT-JUICE		0.020	P	0.003249	0.812			
	15 RAW-FRESH OR CANNED	exp. 4/96					0.00085	0.000064	0.016
	31 COOKED-FRESH OR CANNED	exp. 4/96					0.00085	0.000002	0.001
02003AA	KUMQUATS		0.020	P	0.000002	0.001			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00400	0.000000	0.000
02004AA	LEMONS-UNSPECIFIED		0.020	P	0.000041	0.010			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00250	0.000005	0.001
	22 COOKED-FRESH-BAKED	exp. 4/96					0.00250	0.000000	0.000
02004AB	LEMONS-PULP		0.020	P	0.000004	0.001			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00050	0.000000	0.000
	31 COOKED-FRESH OR CANNED	exp. 4/96					0.00050	0.000000	0.000
02004HA	LEMONS-PEEL		0.100	P	0.000026	0.007			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00250	0.000001	0.000
	21 COOKED-NFS	exp. 4/96					0.00250	0.000000	0.000
02004JA	LEMONS-JUICE		0.020	P	0.000758	0.190			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00025	0.000001	0.000
	15 RAW-FRESH OR CANNED	exp. 4/96					0.00025	0.000001	0.000
	21 COOKED-NFS	exp. 4/96					0.00025	0.000002	0.001
	31 COOKED-FRESH OR CANNED	exp. 4/96					0.00025	0.000001	0.000
02005AA	LIMES-UNSPECIFIED		0.020	P	0.000000	0.000			
	00 NOT SPECIFIED	exp. 4/96					0.00250	0.000000	0.000
02005AB	LIMES-PULP		0.020	P	0.000002	0.001			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00050	0.000000	0.000
02005HA	LIMES-PEEL		0.100	P	0.000000	0.000			
	21 COOKED-NFS	exp. 4/96					0.00250	0.000000	0.000
02005JA	LIMES-JUICE		0.020	P	0.000132	0.033			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00025	0.000001	0.000
	15 RAW-FRESH OR CANNED	exp. 4/96					0.00025	0.000000	0.000
	31 COOKED-FRESH OR CANNED	exp. 4/96					0.00025	0.000000	0.000
02006AA	ORANGES-UNSPECIFIED		0.020	P	0.000000	0.000			
	00 NOT SPECIFIED	exp. 4/96					0.01000	0.000000	0.000
02006AB	ORANGES-PULP		0.020	P	0.003007	0.752			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00200	0.000300	0.075
	21 COOKED-NFS	exp. 4/96					0.00200	0.000001	0.000

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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
02006HA	ORANGES-PEEL	0.100	P	0.000014	0.004			
	21 COOKED-NFS exp. 4/96					0.01000	0.000000	0.000
	22 COOKED-FRESH-BAKED exp. 4/96					0.01000	0.000001	0.000
	31 COOKED-FRESH OR CANNED exp. 4/96					0.01000	0.000000	0.000
02006JA	ORANGES-JUICE	0.020	P	0.039410	9.853			
	15 RAW-FRESH OR CANNED exp. 4/96					0.00100	0.001059	0.265
	31 COOKED-FRESH OR CANNED exp. 4/96					0.00100	0.000036	0.009
02007AA	TANGELOS	0.020	P	0.000051	0.013			
	10 RAW-FRESH OR NFS exp. 4/96					0.00100	0.000003	0.001
02008AA	TANGERINES	0.020	P	0.000177	0.044			
	10 RAW-FRESH OR NFS exp. 4/96					0.00100	0.000009	0.002
02008JA	TANGERINE-JUICE	0.020	P	0.000003	0.001			
	15 RAW-FRESH OR CANNED exp. 4/96					0.00025	0.000000	0.000
	CROP GROUP TOTALS FOR CITRUS FRUITS:			0.048248	12.062		0.001521	0.380
04003AA	PEARS-FRESH	0.020	N	0.002449	0.612			
	10 RAW-FRESH OR NFS					0.00800	0.000422	0.106
	31 COOKED-FRESH OR CANNED					0.00800	0.000373	0.093
	51 COOKED-CANNED					0.00800	0.000183	0.046
	62 COOKED-FRESH OR FROZEN-BAKED					0.00800	0.000002	0.001
04003DA	PEARS-DRIED	0.020	N	0.000000	0.000			
	10 RAW-FRESH OR NFS					0.03500	0.000006	0.002
	21 COOKED-NFS					0.03500	0.000001	0.000
	CROP GROUP TOTALS FOR POME FRUITS:			0.002449	0.612		0.000987	0.247
01016AA	STRAWBERRIES	0.020	A	0.000000	0.000			
	10 RAW-FRESH OR NFS					0.02000	0.000484	0.121
	21 COOKED-NFS					0.02000	0.000099	0.025
	70 RAW-FROZEN					0.02000	0.000111	0.028
	CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:			0.000000	0.000		0.000694	0.174
53001BA	BEEF-MEAT BYPRODUCTS	0.020	P	0.000353	0.088			
	21 COOKED-NFS exp. 4/96					0.00800	0.000131	0.033
	26 COOKED-FRESH-PICKLED,... exp. 4/96					0.00800	0.000010	0.003
53001BB	BEEF(ORGAN MEATS)-OTHER	0.020	P	0.000121	0.030			
	21 COOKED-NFS exp. 4/96					0.00800	0.000041	0.010
	51 COOKED-CANNED exp. 4/96					0.00800	0.000007	0.002
53001DA	BEEF-DRIED	0.020	P	0.000051	0.013			
	21 COOKED-NFS exp. 4/96					0.00200	0.000005	0.001

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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM		TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)		0.020	P	0.007442	1.861			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00600	0.000009	0.002
	21 COOKED-NFS	exp. 4/96					0.00600	0.000890	0.223
	22 COOKED-FRESH-BAKED	exp. 4/96					0.00600	0.000150	0.038
	23 COOKED-FRESH-BOILED	exp. 4/96					0.00600	0.000200	0.050
	24 COOKED-FRESH-BROILED	exp. 4/96					0.00600	0.000854	0.214
	25 COOKED-FRESH-FRIED	exp. 4/96					0.00600	0.000130	0.033
53001KA	BEEF(ORGAN MEATS)-KIDNEY		0.020	P	0.000010	0.003			
	21 COOKED-NFS	exp. 4/96					0.00200	0.000001	0.000
53001LA	BEEF(ORGAN MEATS)-LIVER		0.020	P	0.000414	0.104			
	25 COOKED-FRESH-FRIED	exp. 4/96					0.00800	0.000163	0.041
	31 COOKED-FRESH OR CANNED	exp. 4/96					0.00800	0.000002	0.001
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)		0.020	P	0.023240	5.810			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00200	0.000000	0.000
	21 COOKED-NFS	exp. 4/96					0.00200	0.001384	0.346
	22 COOKED-FRESH-BAKED	exp. 4/96					0.00200	0.000095	0.024
	23 COOKED-FRESH-BOILED	exp. 4/96					0.00200	0.000147	0.037
	24 COOKED-FRESH-BROILED	exp. 4/96					0.00200	0.000697	0.174
	CROP GROUP TOTALS FOR RED MEAT:				0.031631	7.908		0.004916	1.229
50000DB	MILK-NON-FAT SOLIDS		0.005	P	0.035564	8.891			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00100	0.005704	1.426
	21 COOKED-NFS	exp. 4/96					0.00100	0.001156	0.289
	51 COOKED-CANNED	exp. 4/96					0.00100	0.000253	0.063
50000FA	MILK-FAT SOLIDS		0.005	P	0.016918	4.230			
	10 RAW-FRESH OR NFS	exp. 4/96					0.00100	0.002664	0.666
	21 COOKED-NFS	exp. 4/96					0.00100	0.000710	0.178
	51 COOKED-CANNED	exp. 4/96					0.00100	0.000010	0.003
50000SA	MILK SUGAR (LACTOSE)		0.005	P	0.000187	0.047			
	21 COOKED-NFS	exp. 4/96					0.00025	0.000000	0.000
	51 COOKED-CANNED	exp. 4/96					0.00025	0.000009	0.002
	CROP GROUP TOTALS FOR DAIRY PRODUCTS:				0.052669	13.167		0.010506	2.627

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
GRAND TOTALS FOR U.S. POPULATION - 48 STATES				0.157221	39.305		0.022624	5.656

TOLERANCE TYPE: N=NEW; A=PENDING; P=PUBLISHED
TMRC=THEORETICAL MAXIMUM RESIDUE CONTRIBUTION
ARC = ANTICIPATED RESIDUE CONTRIBUTION
RFD = REFERENCE DOSE

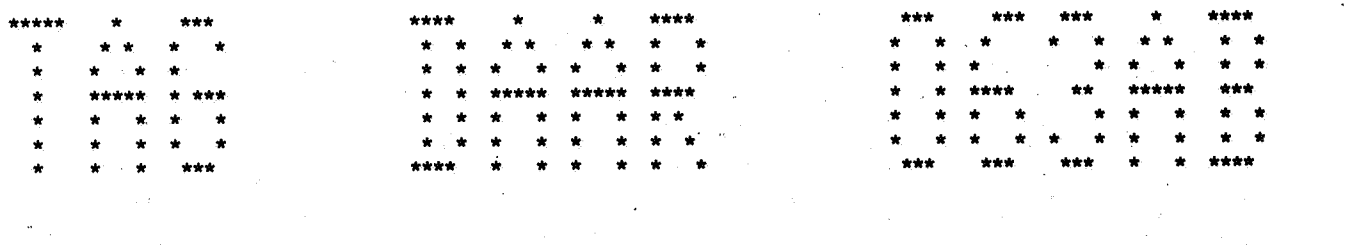
E1

TOLERANCE ASSESSMENT SUMMARY FOR Avermectin B1 DATE: 01/23/95
USING ANTICIPATED RESIDUES
CASWELL #063AB

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000018	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	4.483	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	<0.000001	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.247	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000019	MG/KG/DAY
THE NEW ARC WILL OCCUPY	4.729	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000004	MG/KG/DAY
THIS ARC WILL OCCUPY	0.927	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000023	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	5.656	% OF THE ADI.

TABLE 3: Acute Dietary Risk Analysis for Avermectin B, in/on Pears



1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 18:38 Saturday, January 21, 1995 2

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804	B								*
*STATUS CODES:	C								*

*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY

FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I

CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = U.S. POP.--48 STATES

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC	TOLERANCE DATA VALUE (PPM)	TOLERANCE DATA TYPE	AR DATA VALUE (PPM)	AR DATA REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	MENU CATEGORY 1: MEATS								
53001BA	BEEF-MEAT BYPRODUCTS								
21	COOKED-NFS	7.68				0.0200			0.004279
26	COOKED-FRESH-PICKLED,CORNED,OR CURED	0.88				0.0200			0.002902
53001BB	BEEF(ORGAN MEATS)-OTHER								
21	COOKED-NFS	7.72				0.0200			0.001332
51	COOKED-CANNED	0.22				0.0200			0.008167
53001DA	BEEF-DRIED								
21	COOKED-NFS	0.25				0.0020			0.001935
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)								
10	RAW-FRESH OR NFS	27.74				0.0140			0.000074
21	COOKED-NFS	86.58				0.0140			0.002408

51 COOKED-CANNED	3.51		0.0040	0.029497
50000SA MILK SUGAR (LACTOSE)				
21 COOKED-NFS	0.01		0.0010	0.000104
51 COOKED-CANNED	0.56		0.0010	0.006914
MENU CATEGORY 5: MILK: FAT SOLIDS				
50000FA MILK-FAT SOLIDS				

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
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FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = U.S. POP.--48 STATES

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
10	RAW-FRESH OR NFS	81.63		0.0040		0.013168
21	COOKED-NFS	90.30		0.0040		0.003183
51	COOKED-CANNED	3.51		0.0040		0.001174
	MENU CATEGORY 6: GRAINS(EXCL. RICE),SOYBEANS,VEG. OILS					
27003OA	COTTONSEED-OIL					
18	PROCESSED OIL	96.70		0.0006		0.000013
27003WA	COTTONSEED-MEAL					
18	PROCESSED OIL	1.13		0.0050		0.000052
	MENU CATEGORY 8: TOMATOES					
11005AA	TOMATOES-WHOLE					
10	RAW-FRESH OR NFS	24.82		0.0100		0.010095
21	COOKED-NFS	12.52		0.0100		0.015736
31	COOKED-FRESH OR CANNED	7.28		0.0100		0.006600
11005JA	TOMATOES-JUICE					
10	RAW-FRESH OR NFS	0.07		0.0021 C		0.005662
21	COOKED-NFS	1.73		0.0021 C		0.006628
11005RA	TOMATOES-PUREE					
10	RAW-FRESH OR NFS	0.04		0.0040 C		0.000551
21	COOKED-NFS	6.61		0.0040 C		0.005820
31	COOKED-FRESH OR CANNED	3.60		0.0040 C		0.001821
32	COOKED-FRESH OR CANNED-BAKED	3.73		0.0040 C		0.002397
51	COOKED-CANNED	1.38		0.0040 C		0.010607

51 COOKED-CANNED	3.51	:	0.0040	:	0.029497
50000SA MILK SUGAR (LACTOSE)		:		:	
21 COOKED-NFS	0.01	:	0.0010	:	0.000104
51 COOKED-CANNED	0.56	:	0.0010	:	0.006914
		:		:	
MENU CATEGORY 5: MILK: FAT SOLIDS		:		:	
50000FA MILK-FAT SOLIDS		:		:	

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804	B								*
*STATUS CODES:	C								*

RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY AR DATA: No User Modifications
*FILE INFO: No Tolerance Data Are Used--Without User Modifications.

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = U.S. POP.--48 STATES

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC	(PPM)	TYPE	AR DATA VALUE (PPM)	REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
10	RAW-FRESH OR NFS	81.63				0.0040			0.013168
21	COOKED-NFS	90.30				0.0040			0.003183
51	COOKED-CANNED	3.51				0.0040			0.001174
	MENU CATEGORY 6: GRAINS(EXCL. RICE),SOYBEANS,VEG. OILS								
27003OA	COTTONSEED-OIL								
18	PROCESSED OIL	96.70				0.0006			0.000013
27003WA	COTTONSEED-MEAL								
18	PROCESSED OIL	1.13				0.0050			0.000052
	MENU CATEGORY 8: TOMATOES								
11005AA	TOMATOES-WHOLE								
10	RAW-FRESH OR NFS	24.82				0.0100			0.010095
21	COOKED-NFS	12.52				0.0100			0.015736
31	COOKED-FRESH OR CANNED	7.28				0.0100			0.006600
11005JA	TOMATOES-JUICE								
10	RAW-FRESH OR NFS	0.07				0.0021	C		0.005662
21	COOKED-NFS	1.73				0.0021	C		0.006628
11005RA	TOMATOES-PUREE								
10	RAW-FRESH OR NFS	0.04				0.0040	C		0.000551
21	COOKED-NFS	6.61				0.0040	C		0.005820
31	COOKED-FRESH OR CANNED	3.60				0.0040	C		0.001821
32	COOKED-FRESH OR CANNED-BAKED	3.73				0.0040	C		0.002397
51	COOKED-CANNED	1.38				0.0040	C		0.010607

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
11005TA	TOMATOES-PASTE					
21	COOKED-NFS	9.22		0.0120 C		0.003711
22	COOKED-FRESH-BAKED	0.82		0.0120 C		0.008040
31	COOKED-FRESH OR CANNED	2.08		0.0120 C		0.003715
11005UA	TOMATOES-CATSUP					
21	COOKED-NFS	11.26		0.0110 C		0.004134
	MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA					
13002AA	CELERY					
10	RAW-FRESH OR NFS	20.18		0.0350		0.008293
21	COOKED-NFS	4.94		0.0350		0.009304
13016AA	FENNEL					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0350		0.000000
13045AA	LETTUCE-HEAD VARIETIES					
10	RAW-FRESH OR NFS	29.14		0.0500		0.035672

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
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FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = U.S. POP.--48 STATES

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
21	COOKED-NFS	3.36		0.0500		0.006023
	MENU CATEGORY 10: FRUITS					
01016AA	STRAWBERRIES					
10	RAW-FRESH OR NFS	2.10		0.0200		0.023168
21	COOKED-NFS	12.05		0.0200		0.000845
70	RAW-FROZEN	0.81		0.0200		0.013968
02001AA	CITRUS CITRON					
22	COOKED-FRESH-BAKED	0.20		0.0170		0.001253
02002AA	GRAPEFRUIT-UNSPECIFIED					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0170		0.000000
02002AB	GRAPEFRUIT-PULP					
10	RAW-FRESH OR NFS	2.61		0.0100		0.026498
21	COOKED-NFS	0.01		0.0100		0.010263
02002JA	GRAPEFRUIT-JUICE					
15	RAW-FRESH OR CANNED	2.04		0.0170 C		0.062782
31	COOKED-FRESH OR CANNED	0.10		0.0170 C		0.044933

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
02003AA	KUMQUATS					
10	RAW-FRESH OR NFS	0.00		0.0240		0.045561
02004AA	LEMONS-UNSPECIFIED					
10	RAW-FRESH OR NFS	0.64		0.0500		0.015059
22	COOKED-FRESH-BAKED	0.21		0.0500		0.001837
02004AB	LEMONS-PULP					
10	RAW-FRESH OR NFS	0.03		0.0100		0.004639
31	COOKED-FRESH OR CANNED	0.32		0.0100		0.000300
02004HA	LEMONS-PEEL					
10	RAW-FRESH OR NFS	0.17		0.0500		0.007147
21	COOKED-NFS	0.96		0.0500		0.000121
02004JA	LEMONS-JUICE					
10	RAW-FRESH OR NFS	4.77		0.0050 C		0.000439
15	RAW-FRESH OR CANNED	0.67		0.0050 C		0.002069
21	COOKED-NFS	12.29		0.0050 C		0.000263
31	COOKED-FRESH OR CANNED	2.39		0.0050 C		0.001223
02005AA	LIMES-UNSPECIFIED					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500		0.000000
02005AB	LIMES-PULP					
10	RAW-FRESH OR NFS	0.02		0.0100		0.004049
02005HA	LIMES-PEEL					
21	COOKED-NFS	0.00		0.0500		0.000068
02005JA	LIMES-JUICE					
10	RAW-FRESH OR NFS	0.22		0.0050 C		0.005273

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*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
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LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
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FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
15	RAW-FRESH OR CANNED	0.04		0.0050 C		0.008024
31	COOKED-FRESH OR CANNED	0.04		0.0050 C		0.001323
02006AA	ORANGES-UNSPECIFIED					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500		0.000000
02006AB	ORANGES-PULP					
10	RAW-FRESH OR NFS	5.15		0.0100		0.029265
21	COOKED-NFS	0.35		0.0100		0.001084
02006HA	ORANGES-PEEL					
21	COOKED-NFS	0.10		0.0500		0.000271
22	COOKED-FRESH-BAKED	1.68		0.0500		0.000289

31 COOKED-FRESH OR CANNED	0.32		0.0500	0.000585
02006JA ORANGES-JUICE				
15 RAW-FRESH OR CANNED	23.14		0.0050 C	0.022956
31 COOKED-FRESH OR CANNED	1.65		0.0050 C	0.010873
02007AA TANGELOS				
10 RAW-FRESH OR NFS	0.10		0.0200	0.051961
02008AA TANGERINES				
10 RAW-FRESH OR NFS	0.50		0.0200	0.035021
02008JA TANGERINE-JUICE				
15 RAW-FRESH OR CANNED	0.00		0.0050 C	0.009833
04003AA PEARS-FRESH				
10 RAW-FRESH OR NFS	1.66		0.0200	0.064049
31 COOKED-FRESH OR CANNED	3.45		0.0200	0.027363
51 COOKED-CANNED	0.24		0.0200	0.190700
62 COOKED-FRESH OR FROZEN-BAKED	0.02		0.0200	0.027022
04003DA PEARS-DRIED				
10 RAW-FRESH OR NFS	0.01		0.0880	0.194990
21 COOKED-NFS	0.00		0.0880	0.232308

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *
FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = II
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = INFANTS(<1 YEAR) .

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	MENU CATEGORY 1: MEATS					
53001BA	BEEF-MEAT BYPRODUCTS					
21	COOKED-NFS	1.04		0.0200		0.020308
26	COOKED-FRESH-PICKLED,CORNED,OR CURED	0.00		0.0200		0.000000
53001BB	BEEF(ORGAN MEATS)-OTHER					
21	COOKED-NFS	0.80		0.0200		0.009844
51	COOKED-CANNED	0.17		0.0200		0.019039
53001DA	BEEF-DRIED					
21	COOKED-NFS	0.00		0.0020		0.000000
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)					
10	RAW-FRESH OR NFS	4.62		0.0140		0.000152
21	COOKED-NFS	34.18		0.0140		0.004489
22	COOKED-FRESH-BAKED	13.37		0.0140		0.001226
23	COOKED-FRESH-BOILED	2.69		0.0140		0.008868

24 COOKED-FRESH-BROILED	1.93	0.0140		0.016094
25 COOKED-FRESH-FRIED	5.36	0.0140		0.000702
53001KA BEEF(ORGAN MEATS)-KIDNEY				
21 COOKED-NFS	0.00	0.0050		0.000000
53001LA BEEF(ORGAN MEATS)-LIVER				
25 COOKED-FRESH-FRIED	0.11	0.0200		0.108576
31 COOKED-FRESH OR CANNED	0.32	0.0200		0.124993
53001MA BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)				
10 RAW-FRESH OR NFS	0.00	0.0020		0.000000
21 COOKED-NFS	24.61	0.0020		0.007721
22 COOKED-FRESH-BAKED	1.29	0.0020		0.003797
23 COOKED-FRESH-BOILED	2.11	0.0020		0.004225
MENU CATEGORY 4: MILK: NON-FAT SOLIDS				
50000DB MILK-NON-FAT SOLIDS				
10 RAW-FRESH OR NFS	47.64	0.0040		0.201468
21 COOKED-NFS	43.51	0.0040		0.024650
51 COOKED-CANNED	37.92	0.0040		0.174274
50000SA MILK SUGAR (LACTOSE)				
21 COOKED-NFS	0.00	0.0010		0.000000
51 COOKED-CANNED	36.81	0.0010		0.007056
MENU CATEGORY 5: MILK: FAT SOLIDS				
50000FA MILK-FAT SOLIDS				

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804	B								*
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*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *

FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = II

CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = INFANTS(<1 YEAR)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE (PPM) SORC	TOLERANCE DATA TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	10 RAW-FRESH OR NFS	47.69			0.0040		0.071181
	21 COOKED-NFS	42.95			0.0040		0.007156
	51 COOKED-CANNED	37.92			0.0040		0.001440
	MENU CATEGORY 8: TOMATOES						
11005AA	TOMATOES-WHOLE						
	10 RAW-FRESH OR NFS	0.16			0.0100		0.018564

21 COOKED-NFS	2.07	0.0100	0.039095
31 COOKED-FRESH OR CANNED	23.79	0.0100	0.013257
11005JA TOMATOES-JUICE			
10 RAW-FRESH OR NFS	0.00	0.0021 C	0.000000
21 COOKED-NFS	0.06	0.0021 C	0.014050
11005RA TOMATOES-PUREE			
10 RAW-FRESH OR NFS	0.00	0.0040 C	0.000000
21 COOKED-NFS	0.35	0.0040 C	0.010087
31 COOKED-FRESH OR CANNED	4.65	0.0040 C	0.003748
32 COOKED-FRESH OR CANNED-BAKED	0.16	0.0040 C	0.001590
51 COOKED-CANNED	0.42	0.0040 C	0.031380
11005TA TOMATOES-PASTE			
21 COOKED-NFS	1.26	0.0120 C	0.013509
22 COOKED-FRESH-BAKED	0.17	0.0120 C	0.019490
31 COOKED-FRESH OR CANNED	0.97	0.0120 C	0.011136
11005UA TOMATOES-CATSUP			
21 COOKED-NFS	0.35	0.0110 C	0.009595
MENU CATEGORY 10: FRUITS			
01016AA STRAWBERRIES			
10 RAW-FRESH OR NFS	0.16	0.0200	0.155196
21 COOKED-NFS	0.84	0.0200	0.001348
70 RAW-FROZEN	0.08	0.0200	0.234424
02001AA CITRUS CITRON			
22 COOKED-FRESH-BAKED	0.00	0.0170	0.000000
02002AA GRAPEFRUIT-UNSPECIFIED			
00 NOT SPECIFIED (NO CONSUMPTION)	0.00	0.0170	0.000000
02002AB GRAPEFRUIT-PULP			
10 RAW-FRESH OR NFS	0.00	0.0100	0.000000
21 COOKED-NFS	0.00	0.0100	0.000000
02002JA GRAPEFRUIT-JUICE			
15 RAW-FRESH OR CANNED	0.48	0.0170 C	0.322498
31 COOKED-FRESH OR CANNED	0.00	0.0170 C	0.000000

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804	B								*
*STATUS CODES:	C								*

*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *

FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = II

CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = INFANTS(<1 YEAR)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM)	TOLERANCE DATA TYPE	AR DATA VALUE (PPM)	AR DATA REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)

02003AA KUMQUATS			
10 RAW-FRESH OR NFS	0.00	0.0240	0.000000
02004AA LEMONS-UNSPECIFIED			
10 RAW-FRESH OR NFS	0.00	0.0500	0.000000
22 COOKED-FRESH-BAKED	0.05	0.0500	0.003700
02004AB LEMONS-PULP			
10 RAW-FRESH OR NFS	0.00	0.0100	0.000000
31 COOKED-FRESH OR CANNED	0.00	0.0100	0.000000
02004HA LEMONS-PEEL			
10 RAW-FRESH OR NFS	0.00	0.0500	0.000000
21 COOKED-NFS	0.22	0.0500	0.000194
02004JA LEMONS-JUICE			
10 RAW-FRESH OR NFS	0.23	0.0050 C	0.000567
15 RAW-FRESH OR CANNED	0.00	0.0050 C	0.000000
21 COOKED-NFS	0.32	0.0050 C	0.000601
31 COOKED-FRESH OR CANNED	1.38	0.0050 C	0.000938
02005AA LIMES-UNSPECIFIED			
00 NOT SPECIFIED (NO CONSUMPTION)	0.00	0.0500	0.000000
02005AB LIMES-PULP			
10 RAW-FRESH OR NFS	0.00	0.0100	0.000000
02005HA LIMES-PEEL			
21 COOKED-NFS	0.00	0.0500	0.000000
02005JA LIMES-JUICE			
10 RAW-FRESH OR NFS	0.06	0.0050 C	0.000373
15 RAW-FRESH OR CANNED	0.00	0.0050 C	0.000000
31 COOKED-FRESH OR CANNED	0.00	0.0050 C	0.000000
02006AA ORANGES-UNSPECIFIED			
00 NOT SPECIFIED (NO CONSUMPTION)	0.00	0.0500	0.000000
02006AB ORANGES-PULP			
10 RAW-FRESH OR NFS	0.59	0.0100	0.101585
21 COOKED-NFS	0.59	0.0100	0.002360
02006HA ORANGES-PEEL			
21 COOKED-NFS	0.00	0.0500	0.000000
22 COOKED-FRESH-BAKED	0.36	0.0500	0.000674
31 COOKED-FRESH OR CANNED	0.00	0.0500	0.000000
02006JA ORANGES-JUICE			
15 RAW-FRESH OR CANNED	7.65	0.0050 C	0.083412
31 COOKED-FRESH OR CANNED	9.82	0.0050 C	0.054978
02007AA TANGELOS			
10 RAW-FRESH OR NFS	0.00	0.0200	0.000000
02008AA TANGERINES			
10 RAW-FRESH OR NFS	0.09	0.0200	0.044493

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804	B								*
*STATUS CODES:	C								*
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY									*
*FILE INFO: No Tolerance Data Are Used--Without User Modifications.								AR DATA: No User Modifications	*

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = II : FOOD FORM CONTRIBUTION

CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = INFANTS(<1 YEAR)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
02008JA	TANGERINE-JUICE					
15	RAW-FRESH OR CANNED	0.00		0.0050 C		0.000000
04003AA	PEARS-FRESH					
10	RAW-FRESH OR NFS	0.94		0.0200		0.186439
31	COOKED-FRESH OR CANNED	2.69		0.0200		0.112491
51	COOKED-CANNED	10.09		0.0200		0.262234
62	COOKED-FRESH OR FROZEN-BAKED	0.00		0.0200		0.000000
04003DA	PEARS-DRIED					
10	RAW-FRESH OR NFS	0.00		0.0880		0.000000
21	COOKED-NFS	0.00		0.0880		0.000000
	MENU CATEGORY 22: OTHER VEGETABLES, EXCL. BRASSICA					
13002AA	CELERY					
10	RAW-FRESH OR NFS	0.39		0.0350		0.022545
21	COOKED-NFS	1.29		0.0350		0.043216
13016AA	FENNEL					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0350		0.000000
13045AA	LETTUCE-HEAD VARIETIES					
10	RAW-FRESH OR NFS	0.00		0.0500		0.000000
21	COOKED-NFS	0.00		0.0500		0.000000
	MENU CATEGORY 25: GRAINS AND STARCHY VEGETABLES					
27003OA	COTTONSEED-OIL					
18	PROCESSED OIL	27.79		0.0006		0.000010
27003WA	COTTONSEED-MEAL					
18	PROCESSED OIL	2.72		0.0050		0.000116

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 18:38 Saturday, January 21, 1995 10

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *
FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = III
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = CHILDREN(1-6 YRS)

FOOD	NUMBER OF CONSUMER DAYS AS PERCENT OF	TOLERANCE DATA VALUE	AR DATA VALUE	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE	DAILY ANTICIPATED RESIDUE

CODE	FOOD AND FOOD FORM DESCRIPTION	POTENTIAL PERSON DAYS	SORC (PPM) TYPE	(PPM) REF.	(EXCL. AR)	(INCL. AR)
	MENU CATEGORY 1: MEATS					
53001BA	BEEF-MEAT BYPRODUCTS					
21	COOKED-NFS	10.55			0.0200	0.008938
26	COOKED-FRESH-PICKLED,CORNED,OR CURED	0.70			0.0200	0.008083
53001BB	BEEF(ORGAN MEATS)-OTHER					
21	COOKED-NFS	10.03			0.0200	0.002111
51	COOKED-CANNED	0.41			0.0200	0.016000
53001DA	BEEF-DRIED					
21	COOKED-NFS	0.20			0.0020	0.005255
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)					
10	RAW-FRESH OR NFS	26.86			0.0140	0.000156
21	COOKED-NFS	89.86			0.0140	0.004713
22	COOKED-FRESH-BAKED	56.32			0.0140	0.001361
23	COOKED-FRESH-BOILED	15.97			0.0140	0.008561
24	COOKED-FRESH-BROILED	13.85			0.0140	0.017916
25	COOKED-FRESH-FRIED	41.16			0.0140	0.001154
53001KA	BEEF(ORGAN MEATS)-KIDNEY					
21	COOKED-NFS	0.02			0.0050	0.046507
53001LA	BEEF(ORGAN MEATS)-LIVER					
25	COOKED-FRESH-FRIED	0.86			0.0200	0.066619
31	COOKED-FRESH OR CANNED	0.00			0.0200	0.000000
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)					
10	RAW-FRESH OR NFS	0.00			0.0020	0.000000
21	COOKED-NFS	57.54			0.0020	0.004799
22	COOKED-FRESH-BAKED	4.43			0.0020	0.004468
23	COOKED-FRESH-BOILED	13.95			0.0020	0.002666
	MENU CATEGORY 4: MILK: NON-FAT SOLIDS					
50000DB	MILK-NON-FAT SOLIDS					
10	RAW-FRESH OR NFS	92.42			0.0040	0.081199
21	COOKED-NFS	93.58			0.0040	0.011233
51	COOKED-CANNED	3.84			0.0040	0.008396
50000SA	MILK SUGAR (LACTOSE)					
21	COOKED-NFS	0.03			0.0010	0.000182
51	COOKED-CANNED	0.20			0.0010	0.002885
	MENU CATEGORY 5: MILK: FAT SOLIDS					
50000FA	MILK-FAT SOLIDS					

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
*NAME: AVERMECTIN									*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804	B								*
*STATUS CODES:	C								*

*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY

FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = III
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = CHILDREN(1-6 YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
10	RAW-FRESH OR NFS	93.16		0.0040		0.033977
21	COOKED-NFS	93.38		0.0040		0.006786
51	COOKED-CANNED	3.84		0.0040		0.002248
	MENU CATEGORY 6: GRAINS(EXCL. RICE),SOYBEANS,VEG. OILS					
27003OA	COTTONSEED-OIL					
18	PROCESSED OIL	97.51		0.0006		0.000022
27003WA	COTTONSEED-MEAL					
18	PROCESSED OIL	3.16		0.0050		0.000081
	MENU CATEGORY 8: TOMATOES					
11005AA	TOMATOES-WHOLE					
10	RAW-FRESH OR NFS	11.71		0.0100		0.019728
21	COOKED-NFS	14.31		0.0100		0.031083
31	COOKED-FRESH OR CANNED	9.92		0.0100		0.013132
11005JA	TOMATOES-JUICE					
10	RAW-FRESH OR NFS	0.00		0.0021 C		0.000000
21	COOKED-NFS	0.31		0.0021 C		0.026250
11005RA	TOMATOES-PUREE					
10	RAW-FRESH OR NFS	0.04		0.0040 C		0.001185
21	COOKED-NFS	6.39		0.0040 C		0.010836
31	COOKED-FRESH OR CANNED	4.60		0.0040 C		0.003603
32	COOKED-FRESH OR CANNED-BAKED	3.51		0.0040 C		0.004051
51	COOKED-CANNED	1.75		0.0040 C		0.021791
11005TA	TOMATOES-PASTE					
21	COOKED-NFS	9.52		0.0120 C		0.009452
22	COOKED-FRESH-BAKED	0.63		0.0120 C		0.013161
31	COOKED-FRESH OR CANNED	3.05		0.0120 C		0.007217
11005UA	TOMATOES-CATSUP					
21	COOKED-NFS	12.28		0.0110 C		0.009673
	MENU CATEGORY 10: FRUITS					
01016AA	STRAWBERRIES					
10	RAW-FRESH OR NFS	1.24		0.0200		0.061042
21	COOKED-NFS	16.14		0.0200		0.001311
70	RAW-FROZEN	0.75		0.0200		0.034728
02001AA	CITRUS CITRON					
22	COOKED-FRESH-BAKED	0.03		0.0170		0.008459
02002AA	GRAPEFRUIT-UNSPECIFIED					

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 18:38 Saturday, January 21, 1995 12

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *
FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = III
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = CHILDREN(1-6 YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0170		0.000000
02002AB	GRAPEFRUIT-PULP					
10	RAW-FRESH OR NFS	0.49		0.0100		0.091058
21	COOKED-NFS	0.00		0.0100		0.000000
02002JA	GRAPEFRUIT-JUICE					
15	RAW-FRESH OR CANNED	0.55		0.0170 C		0.189212
31	COOKED-FRESH OR CANNED	0.11		0.0170 C		0.127447
02003AA	KUMQUATS					
10	RAW-FRESH OR NFS	0.00		0.0240		0.000000
02004AA	LEMONS-UNSPECIFIED					
10	RAW-FRESH OR NFS	0.31		0.0500		0.059719
22	COOKED-FRESH-BAKED	0.28		0.0500		0.004751
02004AB	LEMONS-PULP					
10	RAW-FRESH OR NFS	0.00		0.0100		0.000000
31	COOKED-FRESH OR CANNED	0.09		0.0100		0.001722
02004HA	LEMONS-PEEL					
10	RAW-FRESH OR NFS	0.04		0.0500		0.001997
21	COOKED-NFS	0.79		0.0500		0.000166
02004JA	LEMONS-JUICE					
10	RAW-FRESH OR NFS	3.56		0.0050 C		0.000577
15	RAW-FRESH OR CANNED	0.19		0.0050 C		0.004740
21	COOKED-NFS	6.26		0.0050 C		0.000607
31	COOKED-FRESH OR CANNED	2.18		0.0050 C		0.002640
02005AA	LIMES-UNSPECIFIED					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500		0.000000
02005AB	LIMES-PULP					
10	RAW-FRESH OR NFS	0.00		0.0100		0.000000
02005HA	LIMES-PEEL					
21	COOKED-NFS	0.00		0.0500		0.000000
02005JA	LIMES-JUICE					
10	RAW-FRESH OR NFS	0.10		0.0050 C		0.000231
15	RAW-FRESH OR CANNED	0.02		0.0050 C		0.070677
31	COOKED-FRESH OR CANNED	0.02		0.0050 C		0.003498
02006AA	ORANGES-UNSPECIFIED					

00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500	0.000000
02006AB ORANGES-PULP				
10 RAW-FRESH OR NFS	5.12		0.0100	0.074420
21 COOKED-NFS	0.09		0.0100	0.001413
02006HA ORANGES-PEEL				
21 COOKED-NFS	0.08		0.0500	0.000669
22 COOKED-FRESH-BAKED	2.17		0.0500	0.000634
31 COOKED-FRESH OR CANNED	0.09		0.0500	0.003353

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *
FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = III
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = CHILDREN(1-6 YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
02006JA	ORANGES-JUICE					
15	RAW-FRESH OR CANNED	27.36		0.0050 C		0.057329
31	COOKED-FRESH OR CANNED	3.18		0.0050 C		0.018119
02007AA	TANGELOS					
10	RAW-FRESH OR NFS	0.12		0.0200		0.126880
02008AA	TANGERINES					
10	RAW-FRESH OR NFS	0.55		0.0200		0.084901
02008JA	TANGERINE-JUICE					
15	RAW-FRESH OR CANNED	0.00		0.0050 C		0.000000
04003AA	PEARS-FRESH					
10	RAW-FRESH OR NFS	1.37		0.0200		0.163888
31	COOKED-FRESH OR CANNED	3.61		0.0200		0.062698
51	COOKED-CANNED	0.37		0.0200		0.154171
62	COOKED-FRESH OR FROZEN-BAKED	0.00		0.0200		0.000000
04003DA	PEARS-DRIED					
10	RAW-FRESH OR NFS	0.00		0.0880		0.000000
21	COOKED-NFS	0.00		0.0880		0.000000
MENU CATEGORY 22: OTHER VEGETABLES, EXCL. BRASSICA						
13002AA	CELERY					
10	RAW-FRESH OR NFS	11.82		0.0350		0.017100
21	COOKED-NFS	4.57		0.0350		0.015567
13016AA	FENNEL					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0350		0.000000
13045AA	LETTUCE-HEAD VARIETIES					

10 RAW-FRESH OR NFS	13.23	:	0.0500	: 0.058376
21 COOKED-NFS	3.58	:	0.0500	: 0.009678

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 18:38 Saturday, January 21, 1995 14

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*****************************************************************************************************************
*NAME: AVERMECTIN                          STUDY    RDV     NOEL      SF    STUDY TYPE   SPECIES   EFF. LEV.  CORE GRADE  DOC. NO.*
*CASWELL NO: 063AB    CFR NO: CFR   .       A  00000.0012            000100 Reprodctn      Rat     Systemic                      *
*CAS NO: 65195-55-3 SHAUGHNESSY NO:  122804 B                                                                                  *
*STATUS CODES:                              C                                                                                  *
*RDV INFO:  The LD  value used in this analysis is  .0001      MG/KG  of BODY WEIGHT/DAY                                       *
*FILE INFO:  No Tolerance Data Are Used--Without User Modifications.                                AR DATA:  No User Modifications*
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LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	MENU CATEGORY 1: MEATS					
53001BA	BEEF-MEAT BYPRODUCTS					
	21 COOKED-NFS	6.02		0.0200		0.003051
	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0.63		0.0200		0.002096
53001BB	BEEF(ORGAN MEATS)-OTHER					
	21 COOKED-NFS	5.98		0.0200		0.001438
	51 COOKED-CANNED	0.17		0.0200		0.005388
53001DA	BEEF-DRIED					
	21 COOKED-NFS	0.24		0.0020		0.001406
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)					
	10 RAW-FRESH OR NFS	27.96		0.0140		0.000055
	21 COOKED-NFS	84.16		0.0140		0.001746
	22 COOKED-FRESH-BAKED	48.78		0.0140		0.000521
	23 COOKED-FRESH-BOILED	10.06		0.0140		0.002924
	24 COOKED-FRESH-BROILED	18.16		0.0140		0.009587
	25 COOKED-FRESH-FRIED	36.86		0.0140		0.000598
53001KA	BEEF(ORGAN MEATS)-KIDNEY					
	21 COOKED-NFS	0.02		0.0050		0.008455
53001LA	BEEF(ORGAN MEATS)-LIVER					
	25 COOKED-FRESH-FRIED	1.11		0.0200		0.037061
	31 COOKED-FRESH OR CANNED	0.00		0.0200		0.000000
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)					
	10 RAW-FRESH OR NFS	0.00		0.0020		0.000000
	21 COOKED-NFS	50.09		0.0020		0.001969
	22 COOKED-FRESH-BAKED	4.41		0.0020		0.001638
	23 COOKED-FRESH-BOILED	7.99		0.0020		0.001247
	MENU CATEGORY 4: MILK: NON-FAT SOLIDS					
50000DB	MILK-NON-FAT SOLIDS					

10 RAW-FRESH OR NFS	74.37		0.0040	0.015532
21 COOKED-NFS	88.84		0.0040	0.003548
51 COOKED-CANNED	3.00		0.0040	0.001623
50000SA MILK SUGAR (LACTOSE)				
21 COOKED-NFS	0.01		0.0010	0.000045
51 COOKED-CANNED	0.00		0.0010	0.000000
MENU CATEGORY 5: MILK: FAT SOLIDS				
50000FA MILK-FAT SOLIDS				

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *
FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC	(PPM)	TYPE	AR DATA VALUE (PPM)	REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	10 RAW-FRESH OR NFS	77.74				0.0040			0.007783
	21 COOKED-NFS	88.74				0.0040			0.002241
	51 COOKED-CANNED	3.00				0.0040			0.000975
	MENU CATEGORY 6: GRAINS(EXCL. RICE),SOYBEANS,VEG. OILS								
27003OA	COTTONSEED-OIL								
	18 PROCESSED OIL	96.90				0.0006			0.000010
27003WA	COTTONSEED-MEAL								
	18 PROCESSED OIL	0.90				0.0050			0.000031
	MENU CATEGORY 8: TOMATOES								
11005AA	TOMATOES-WHOLE								
	10 RAW-FRESH OR NFS	28.57				0.0100			0.009831
	21 COOKED-NFS	11.19				0.0100			0.012531
	31 COOKED-FRESH OR CANNED	6.61				0.0100			0.004379
11005JA	TOMATOES-JUICE								
	10 RAW-FRESH OR NFS	0.07				0.0021	C		0.006082
	21 COOKED-NFS	2.01				0.0021	C		0.006670
11005RA	TOMATOES-PUREE								
	10 RAW-FRESH OR NFS	0.05				0.0040	C		0.000598
	21 COOKED-NFS	5.85				0.0040	C		0.004735
	31 COOKED-FRESH OR CANNED	2.82				0.0040	C		0.001275

32 COOKED-FRESH OR CANNED-BAKED	3.30		0.0040 C	0.001932
51 COOKED-CANNED	1.45		0.0040 C	0.008179
11005TA TOMATOES-PASTE				
21 COOKED-NFS	8.91		0.0120 C	0.002493
22 COOKED-FRESH-BAKED	0.68		0.0120 C	0.006697
31 COOKED-FRESH OR CANNED	1.78		0.0120 C	0.002667
11005UA TOMATOES-CATSUP				
21 COOKED-NFS	9.57		0.0110 C	0.002951
MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA				
13002AA CELERY				
10 RAW-FRESH OR NFS	22.60		0.0350	0.007746
21 COOKED-NFS	5.07		0.0350	0.008083
13016AA FENNEL				
00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0350	0.000000
13045AA LETTUCE-HEAD VARIETIES				
10 RAW-FRESH OR NFS	32.45		0.0500	0.036657

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic
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LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	21 COOKED-NFS	2.84		0.0500		0.004935
	MENU CATEGORY 10: FRUITS					
01016AA	STRAWBERRIES					
	10 RAW-FRESH OR NFS	2.04		0.0200		0.021589
	21 COOKED-NFS	10.57		0.0200		0.000792
	70 RAW-FROZEN	0.88		0.0200		0.010676
02001AA	CITRUS CITRON					
	22 COOKED-FRESH-BAKED	0.21		0.0170		0.001294
02002AA	GRAPEFRUIT-UNSPECIFIED					
	00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0170		0.000000
02002AB	GRAPEFRUIT-PULP					
	10 RAW-FRESH OR NFS	3.59		0.0100		0.025983
	21 COOKED-NFS	0.01		0.0100		0.010881
02002JA	GRAPEFRUIT-JUICE					

15 RAW-FRESH OR CANNED	2.78		0.0170 C	0.060648
31 COOKED-FRESH OR CANNED	0.09		0.0170 C	0.032882
02003AA KUMQUATS				
10 RAW-FRESH OR NFS	0.00		0.0240	0.015403
02004AA LEMONS-UNSPECIFIED				
10 RAW-FRESH OR NFS	0.82		0.0500	0.013290
22 COOKED-FRESH-BAKED	0.20		0.0500	0.001357
02004AB LEMONS-PULP				
10 RAW-FRESH OR NFS	0.05		0.0100	0.004816
31 COOKED-FRESH OR CANNED	0.34		0.0100	0.000251
02004HA LEMONS-PEEL				
10 RAW-FRESH OR NFS	0.24		0.0500	0.008206
21 COOKED-NFS	0.97		0.0500	0.000124
02004JA LEMONS-JUICE				
10 RAW-FRESH OR NFS	5.51		0.0050 C	0.000481
15 RAW-FRESH OR CANNED	0.95		0.0050 C	0.002299
21 COOKED-NFS	14.21		0.0050 C	0.000243
31 COOKED-FRESH OR CANNED	2.40		0.0050 C	0.000982
02005AA LIMES-UNSPECIFIED				
00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500	0.000000
02005AB LIMES-PULP				
10 RAW-FRESH OR NFS	0.03		0.0100	0.005146
02005HA LIMES-PEEL				
21 COOKED-NFS	0.00		0.0500	0.000071
02005JA LIMES-JUICE				
10 RAW-FRESH OR NFS	0.31		0.0050 C	0.004696

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NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
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*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
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POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	15 RAW-FRESH OR CANNED	0.07		0.0050 C		0.003716
	31 COOKED-FRESH OR CANNED	0.05		0.0050 C		0.000842
02006AA	ORANGES-UNSPECIFIED					
	00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500		0.000000
02006AB	ORANGES-PULP					
	10 RAW-FRESH OR NFS	5.10		0.0100		0.022574
	21 COOKED-NFS	0.36		0.0100		0.001223
02006HA	ORANGES-PEEL					

21 COOKED-NFS	0.10	:	0.0500	: 0.000265
22 COOKED-FRESH-BAKED	1.33	:	0.0500	: 0.000197
31 COOKED-FRESH OR CANNED	0.34	:	0.0500	: 0.000489
02006JA ORANGES-JUICE		:		:
15 RAW-FRESH OR CANNED	22.81	:	0.0050 C	: 0.016870
31 COOKED-FRESH OR CANNED	1.12	:	0.0050 C	: 0.003348
02007AA TANGELOS		:		:
10 RAW-FRESH OR NFS	0.12	:	0.0200	: 0.036027
02008AA TANGERINES		:		:
10 RAW-FRESH OR NFS	0.50	:	0.0200	: 0.026851
02008JA TANGERINE-JUICE		:		:
15 RAW-FRESH OR CANNED	0.01	:	0.0050 C	: 0.006516
04003AA PEARS-FRESH		:		:
10 RAW-FRESH OR NFS	1.62	:	0.0200	: 0.051264
31 COOKED-FRESH OR CANNED	3.02	:	0.0200	: 0.020949
51 COOKED-CANNED	0.04	:	0.0200	: 0.018830
62 COOKED-FRESH OR FROZEN-BAKED	0.02	:	0.0200	: 0.017329
04003DA PEARS-DRIED		:		:
10 RAW-FRESH OR NFS	0.01	:	0.0880	: 0.207835
21 COOKED-NFS	0.00	:	0.0880	: 0.000000

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 18:38 Saturday, January 21, 1995 18

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NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
*RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY *
FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

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LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = MALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
	MENU CATEGORY 1: MEATS					
53001BA	BEEF-MEAT BYPRODUCTS					
21	COOKED-NFS	8.71		0.0200		0.003344
26	COOKED-FRESH-PICKLED,CORNED,OR CURED	1.23		0.0200		0.002213
53001BB	BEEF(ORGAN MEATS)-OTHER					
21	COOKED-NFS	8.99		0.0200		0.001056
51	COOKED-CANNED	0.24		0.0200		0.005927
53001DA	BEEF-DRIED					
21	COOKED-NFS	0.28		0.0020		0.001757
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)					
10	RAW-FRESH OR NFS	29.04		0.0140		0.000064
21	COOKED-NFS	89.35		0.0140		0.002142

22 COOKED-FRESH-BAKED	55.59	0.0140	0.000554
23 COOKED-FRESH-BOILED	10.97	0.0140	0.003216
24 COOKED-FRESH-BROILED	21.59	0.0140	0.009945
25 COOKED-FRESH-FRIED	46.33	0.0140	0.000730
53001KA BEEF(ORGAN MEATS)-KIDNEY			
21 COOKED-NFS	0.02	0.0050	0.004063
53001LA BEEF(ORGAN MEATS)-LIVER			
25 COOKED-FRESH-FRIED	0.99	0.0200	0.037598
31 COOKED-FRESH OR CANNED	0.00	0.0200	0.000000
53001MA BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)			
10 RAW-FRESH OR NFS	0.01	0.0020	0.002367
21 COOKED-NFS	60.73	0.0020	0.002128
22 COOKED-FRESH-BAKED	4.90	0.0020	0.001751
23 COOKED-FRESH-BOILED	8.50	0.0020	0.001409
MENU CATEGORY 4: MILK: NON-FAT SOLIDS			
50000DB MILK-NON-FAT SOLIDS			
10 RAW-FRESH OR NFS	77.48	0.0040	0.017827
21 COOKED-NFS	92.10	0.0040	0.004094
51 COOKED-CANNED	2.76	0.0040	0.001618
50000SA MILK SUGAR (LACTOSE)			
21 COOKED-NFS	0.01	0.0010	0.000146
51 COOKED-CANNED	0.00	0.0010	0.000000
MENU CATEGORY 5: MILK: FAT SOLIDS			
50000FA MILK-FAT SOLIDS			

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
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FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA VALUE SORC (PPM) TYPE	AR DATA VALUE (PPM) REF.	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
10	RAW-FRESH OR NFS	81.04		0.0040		0.009057
21	COOKED-NFS	92.08		0.0040		0.002594
51	COOKED-CANNED	2.76		0.0040		0.000868
	MENU CATEGORY 6: GRAINS(EXCL. RICE),SOYBEANS,VEG. OILS					

27003OA COTTONSEED-OIL				
18 PROCESSED OIL	98.44		0.0006	0.000011
27003WA COTTONSEED-MEAL				
18 PROCESSED OIL	0.71		0.0050	0.000037
MENU CATEGORY 8: TOMATOES				
11005AA TOMATOES-WHOLE				
10 RAW-FRESH OR NFS	26.77		0.0100	0.008789
21 COOKED-NFS	12.26		0.0100	0.013164
31 COOKED-FRESH OR CANNED	6.88		0.0100	0.004479
11005JA TOMATOES-JUICE				
10 RAW-FRESH OR NFS	0.12		0.0021 C	0.005320
21 COOKED-NFS	2.26		0.0021 C	0.005606
11005RA TOMATOES-PUREE				
10 RAW-FRESH OR NFS	0.04		0.0040 C	0.000295
21 COOKED-NFS	7.07		0.0040 C	0.004927
31 COOKED-FRESH OR CANNED	3.91		0.0040 C	0.001439
32 COOKED-FRESH OR CANNED-BAKED	3.57		0.0040 C	0.002272
51 COOKED-CANNED	1.19		0.0040 C	0.007783
11005TA TOMATOES-PASTE				
21 COOKED-NFS	9.13		0.0120 C	0.002780
22 COOKED-FRESH-BAKED	0.94		0.0120 C	0.007205
31 COOKED-FRESH OR CANNED	1.93		0.0120 C	0.002778
11005UA TOMATOES-CATSUP				
21 COOKED-NFS	12.80		0.0110 C	0.003122
MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA				
13002AA CELERY				
10 RAW-FRESH OR NFS	20.98		0.0350	0.006802
21 COOKED-NFS	5.21		0.0350	0.008259
13016AA FENNEL				
00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0350	0.000000
13045AA LETTUCE-HEAD VARIETIES				
10 RAW-FRESH OR NFS	32.16		0.0500	0.029345

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
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POPULATION = MALES(13+ YRS)

FOOD	NUMBER OF CONSUMER DAYS AS PERCENT OF	TOLERANCE DATA VALUE	AR DATA VALUE	FOOD FORM CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) DAILY MAXIMUM RESIDUE	DAILY ANTICIPATED RESIDUE

CODE	FOOD AND FOOD FORM DESCRIPTION	POTENTIAL PERSON DAYS	SORC (PPM) TYPE	(PPM) REF.	(EXCL. AR)	(INCL. AR)
	21 COOKED-NFS	3.57		0.0500		0.005220
	MENU CATEGORY 10: FRUITS					
01016AA	STRAWBERRIES					
	10 RAW-FRESH OR NFS	2.47		0.0200		0.017550
	21 COOKED-NFS	12.56		0.0200		0.000696
	70 RAW-FROZEN	0.78		0.0200		0.012407
02001AA	CITRUS CITRON					
	22 COOKED-FRESH-BAKED	0.30		0.0170		0.000994
02002AA	GRAPEFRUIT-UNSPECIFIED					
	00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0170		0.000000
02002AB	GRAPEFRUIT-PULP					
	10 RAW-FRESH OR NFS	2.63		0.0100		0.022087
	21 COOKED-NFS	0.00		0.0100		0.008333
02002JA	GRAPEFRUIT-JUICE					
	15 RAW-FRESH OR CANNED	1.97		0.0170 C		0.049439
	31 COOKED-FRESH OR CANNED	0.13		0.0170 C		0.033504
02003AA	KUMQUATS					
	10 RAW-FRESH OR NFS	0.00		0.0240		0.026225
02004AA	LEMONS-UNSPECIFIED					
	10 RAW-FRESH OR NFS	0.68		0.0500		0.009891
	22 COOKED-FRESH-BAKED	0.20		0.0500		0.001252
02004AB	LEMONS-PULP					
	10 RAW-FRESH OR NFS	0.01		0.0100		0.003815
	31 COOKED-FRESH OR CANNED	0.46		0.0100		0.000229
02004HA	LEMONS-PEEL					
	10 RAW-FRESH OR NFS	0.14		0.0500		0.006361
	21 COOKED-NFS	1.06		0.0500		0.000099
02004JA	LEMONS-JUICE					
	10 RAW-FRESH OR NFS	4.53		0.0050 C		0.000322
	15 RAW-FRESH OR CANNED	0.61		0.0050 C		0.001260
	21 COOKED-NFS	12.82		0.0050 C		0.000219
	31 COOKED-FRESH OR CANNED	2.38		0.0050 C		0.000981
02005AA	LIMES-UNSPECIFIED					
	00 NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500		0.000000
02005AB	LIMES-PULP					
	10 RAW-FRESH OR NFS	0.04		0.0100		0.002911
02005HA	LIMES-PEEL					
	21 COOKED-NFS	0.00		0.0500		0.000066
02005JA	LIMES-JUICE					
	10 RAW-FRESH OR NFS	0.20		0.0050 C		0.007688

*NAME: AVERMECTIN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 063AB CFR NO: CFR .	A	00000.0012		000100	Reprodctn	Rat	Systemic		*
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POPULATION = MALES(13+ YRS)

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15	RAW-FRESH OR CANNED	0.02		0.0050 C		0.007702
31	COOKED-FRESH OR CANNED	0.04		0.0050 C		0.000836
02006AA	ORANGES-UNSPECIFIED					
00	NOT SPECIFIED (NO CONSUMPTION)	0.00		0.0500		0.000000
02006AB	ORANGES-PULP					
10	RAW-FRESH OR NFS	5.18		0.0100		0.020312
21	COOKED-NFS	0.47		0.0100		0.000524
02006HA	ORANGES-PEEL					
21	COOKED-NFS	0.11		0.0500		0.000207
22	COOKED-FRESH-BAKED	1.82		0.0500		0.000212
31	COOKED-FRESH OR CANNED	0.46		0.0500		0.000446
02006JA	ORANGES-JUICE					
15	RAW-FRESH OR CANNED	21.79		0.0050 C		0.015048
31	COOKED-FRESH OR CANNED	1.33		0.0050 C		0.003568
02007AA	TANGELOS					
10	RAW-FRESH OR NFS	0.06		0.0200		0.032899
02008AA	TANGERINES					
10	RAW-FRESH OR NFS	0.47		0.0200		0.021628
02008JA	TANGERINE-JUICE					
15	RAW-FRESH OR CANNED	0.01		0.0050 C		0.014947
04003AA	PEARS-FRESH					
10	RAW-FRESH OR NFS	1.76		0.0200		0.043760
31	COOKED-FRESH OR CANNED	3.30		0.0200		0.019479
51	COOKED-CANNED	0.08		0.0200		0.017028
62	COOKED-FRESH OR FROZEN-BAKED	0.03		0.0200		0.035393
04003DA	PEARS-DRIED					
10	RAW-FRESH OR NFS	0.02		0.0880		0.188256
21	COOKED-NFS	0.00		0.0880		0.232308

TOLERANCE SOURCES: P=PUBLISHED, A=APPROVED, N=NEW ACTION, U=USER-SUPPLIED

NAME: AVERMECTIN STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
*CASWELL NO: 063AB CFR NO: CFR . A 00000.0012 000100 Reprodctn Rat Systemic *
*CAS NO: 65195-55-3 SHAUGHNESSY NO: 122804 B *
*STATUS CODES: C *
RDV INFO: The LD value used in this analysis is .0001 MG/KG of BODY WEIGHT/DAY AR DATA: No User Modifications
*FILE INFO: No Tolerance Data Are Used--Without User Modifications.

-U.S. POP.--48 STATES

ESTIMATED % OF POTENTIAL MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

37

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   ESTIMATES BASED ON        PERSON DAYS THAT ARE USER-DAYS    MG/KG BODY WEIGHT/DAY       AS PERCENT OF RDV
              TOLERANCES:              0.00                        0.000000                    0.00
     ANTICIPATED RESIDUES:             99.67                        0.000083                   82.64
0                            ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                                0    .2    .4    .6    .8     1   1.2   1.4   1.6   1.8     2     3     4     5    10    15    20
                             ____________________________________________________________________________________________________
              TOLERANCES:       0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
     ANTICIPATED RESIDUES:     100    86    67    50    37    27    20    15    12     9     7     2     1     0     0     0     0
0INFANTS(<1 YEAR)
 --------------------        ESTIMATED % OF POTENTIAL          MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
                                                               ____________________________________________
   ESTIMATES BASED ON        PERSON DAYS THAT ARE USER-DAYS    MG/KG BODY WEIGHT/DAY       AS PERCENT OF RDV
              TOLERANCES:              0.00                        0.000000                    0.00
     ANTICIPATED RESIDUES:             90.07                        0.000299                  298.82
0                            ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                                0    .2    .4    .6    .8     1   1.2   1.4   1.6   1.8     2     3     4     5    10    15    20
                             ____________________________________________________________________________________________________
              TOLERANCES:       0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
     ANTICIPATED RESIDUES:     100    96    95    93    91    88    84    80    75    71    65    42    23    14     1     0     0
0CHILDREN(1-6 YRS)
 --------------------        ESTIMATED % OF POTENTIAL          MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
                                                               ____________________________________________
   ESTIMATES BASED ON        PERSON DAYS THAT ARE USER-DAYS    MG/KG BODY WEIGHT/DAY       AS PERCENT OF RDV
              TOLERANCES:              0.00                        0.000000                    0.00
     ANTICIPATED RESIDUES:             99.90                        0.000190                  190.45
0                            ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                                0    .2    .4    .6    .8     1   1.2   1.4   1.6   1.8     2     3     4     5    10    15    20
                             ____________________________________________________________________________________________________
              TOLERANCES:       0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
     ANTICIPATED RESIDUES:     100    98    96    91    85    78    70    62    54    46    39    15     6     2     0     0     0
1DETAILED ACUTE ANALYSIS INCLUDING AR'S:  ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION      18:38 Saturday, January 21, 1995  23
*****************************************************************************************************************************
 *NAME: AVERMECTIN                          STUDY     RDV      NOEL      SF    STUDY TYPE   SPECIES   EFF. LEV.  CORE GRADE   DOC. NO.*
 *CASWELL NO: 063AB    CFR NO: CFR   .        A  00000.0012             000100 Reprodctn      Rat     Systemic                        *
 *CAS NO: 65195-55-3 SHAUGHNESSY NO:  122804 B                                                                                      *
 *STATUS CODES:                              C                                                                                      *
 *RDV INFO:  The LD  value used in this analysis is  .0001      MG/KG  of BODY WEIGHT/DAY                                            *
 *FILE INFO:  No Tolerance Data Are Used--Without User Modifications.                                  AR DATA:  No User Modifications*
*****************************************************************************************************************************
-FEMALES(13+ YRS)
 --------------------        ESTIMATED % OF POTENTIAL          MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
                                                               ____________________________________________
   ESTIMATES BASED ON        PERSON DAYS THAT ARE USER-DAYS    MG/KG BODY WEIGHT/DAY       AS PERCENT OF RDV
              TOLERANCES:              0.00                        0.000000                    0.00
     ANTICIPATED RESIDUES:             99.74                        0.000059                   59.02
0                            ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                                0    .2    .4    .6    .8     1   1.2   1.4   1.6   1.8     2     3     4     5    10    15    20
                             ____________________________________________________________________________________________________
              TOLERANCES:       0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
     ANTICIPATED RESIDUES:     100    81    58    39    25    16    10     6     4     2     2     0     0     0     0     0     0
0MALES(13+ YRS)
 --------------------        ESTIMATED % OF POTENTIAL          MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
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NOEL = .06 mg/kg bwt/day

LD = .0001

High End Exposure = LD x 3 = .0001 x 3
= .0003

MOE = $\frac{\text{NOEL}}{\text{Exposure}} = \frac{.06}{.0003} = 200$ mg/kg bwt/day

ESTIMATES BASED ON	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.86	0.000060	60.48

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	84	61	41	26	16	10	6	3	2	1	0	0	0	0	0	0