

US EPA ARCHIVE DOCUMENT



100601

10-31-90

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

OCT 31 1990

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Amendment to Dietary Exposure Analysis for Fenamiphos

FROM: Rita Briggs, Ph.D. ^{R.B.}
DRES/HED/SACB

THROUGH: James P. Kariya, ^{Kariya} Section Head
DRES/HED/SACB

TO: Susan Lewis, PM-21
Hoyt Jamerson, PM-43
L. Pemberton, PM-41
Registration Division

Recently, three individual DRES analyses were conducted for the proposed use of fenamiphos on coffee and cantaloupe (PP#9E3721), bok choy (PP#OE3845), and broccoli/cauliflower (Sec. 18, #90-CA-18) using new percent of crop data for beets, pineapples and bananas. An assumption made in the dietary evaluation system is that data submitted for bananas are applicable to plantains. Although I made such an assumption in the previous analyses, I erroneously entered the percent of crop treated for plantains as 40% instead of 80%. In addition, the new percent crop data for beets (50%) was not applied to beet tops. Therefore, a revised analysis using the correct percent of crop treated has been conducted and shows that the change in exposure from plantains and beets for the overall U.S. population is approximately 0.15% of the ADI; for children it is about 0.05% and for non-nursing infants there is no change (see Table 1). Please note that exposure from plantains and beets is based on published tolerances so any adjustment is reflected in exposure from published tolerances only which I have summarized in Table 1. Also note that the analysis showed no difference in exposure estimate (mg/kg body weight/day); this is probably due to a rounding procedure in DRES.

Attached for your information are copies of the revised anticipated residue values used (Table 2) and summaries of the TMRC and ARC exposures (Table 3).

cc: DRES

1
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TABLE 1

ARC FROM ALL PUBLISHED TOLERANCES

	Previous analysis	Corrected analysis
U.S. Population	0.000110 ^a 44.092 ^b	0.000110 43.940
Non-Nursing Infants	0.000217 86.776	0.000217 86.776
Children (1-6 years)	0.000216 86.598	0.000216 86.544

a Exposure estimate in mg/kg body weight/day
 b Estimated exposure expressed as percent of the ADI

TABLE 2

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A DATE: 10/30/90 PAGE: 1

FOOD CODE	FOOD	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
CHEMICAL Fenamiphos (Menacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349						
STUDY TYPE 2yr feeding- dog NOEL= 0.0250 mg/kg 1.00 ppm LEL= 0.0500 mg/kg 2.00 ppm ONCO: Negative- 1 species.						
EFFECTS Plasma ChE depression (no differentiation of plasma, RBC, no assessment of brain ChE activity). No evidence of oncogenicity in mice, rat in progress.						
REFERENCE DOSES ADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250						
DATA GAPS/COMMENTS No data gaps. UF of 100 used due to lack of data on brain ChE effects.						
STATUS HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. On IRIS.						

FOOD CODE	FOOD	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01006AA	RASPBERRIES	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000
01006AA	RASPBERRIES	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000
01006AA	RASPBERRIES	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000
01006AA	RASPBERRIES	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000
01014AA	RASPBERRIES	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700
01014AA	GRAPES-FRESH	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700
01014AA	GRAPES-FRESH	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700
01014DA	GRAPES-RAISINS	2H5361	P 0.100000	0.300000C	INSUFF. DATA	3.70	0.011100
01014DA	GRAPES-RAISINS	2H5361	P 0.300000	0.300000C	INSUFF. DATA	3.70	0.011100
01014DA	GRAPES-RAISINS	2H5361	P 0.300000	0.300000C	INSUFF. DATA	3.70	0.011100
01014JA	GRAPES-JUICE	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700
01014JA	GRAPES-JUICE	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700
01014JA	GRAPES-JUICE	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700
01016AA	STRAWBERRIES	6E3403	P 0.600000	0.600000	INSUFF. DATA	100.00	0.600000
01016AA	STRAWBERRIES	6E3403	P 0.600000	0.600000	INSUFF. DATA	100.00	0.600000
01016AA	STRAWBERRIES	6E3403	P 0.600000	0.600000	INSUFF. DATA	100.00	0.600000
02002AB	GRAPEFRUIT-UNSP	00	NOT SPECIFIED (NO CONSUMPTION)				
02002AB	GRAPEFRUIT-PULP	10	RAW-FRESH OR NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02002AB	GRAPEFRUIT-PULP	21	COOKED-NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02002JA	GRAPEFRUIT-JUICE	15	RAW-FRESH OR CANNED	0.100000	BEST ESTIMATE	1.60	0.001600
02002JA	GRAPEFRUIT-JUICE	31	COOKED-FRESH OR CANNED	0.100000	BEST ESTIMATE	1.60	0.001600
02004AA	LEMONS-UNSPEC	22	COOKED-FRESH-BAKED	0.100000	BEST ESTIMATE	1.60	0.001600
02004AA	LEMONS-PULP	10	RAW-FRESH OR NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02004AA	LEMONS-PULP	31	COOKED-FRESH OR CANNED	0.100000	BEST ESTIMATE	1.60	0.001600
02004HA	LEMONS-PEEL	21	COOKED-NFS	0.600000	INSUFF. DATA	1.60	0.009600
02004HA	LEMONS-PEEL	21	COOKED-NFS	0.600000	INSUFF. DATA	1.60	0.009600
02004JA	LEMONS-JUICE	10	RAW-FRESH OR NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02004JA	LEMONS-JUICE	15	RAW-FRESH OR CANNED	0.100000	BEST ESTIMATE	1.60	0.001600
02004JA	LEMONS-JUICE	31	COOKED-NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02005AA	LIMES-UNSPEC	00	NOT SPECIFIED (NO CONSUMPTION)				
02005AB	LIMES-PULP	10	RAW-FRESH OR NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02005HA	LIMES-PEEL	21	COOKED-NFS	0.600000	INSUFF. DATA	1.60	0.009600
02005JA	LIMES-JUICE	10	RAW-FRESH OR NFS	0.100000	BEST ESTIMATE	1.60	0.001600
02005JA	LIMES-JUICE	15	RAW-FRESH OR CANNED	0.100000	BEST ESTIMATE	1.60	0.001600
02005JA	LIMES-JUICE	31	COOKED-FRESH OR CANNED	0.100000	BEST ESTIMATE	1.60	0.001600
02006AA	ORANGES-UNSPEC	00	NOT SPECIFIED (NO CONSUMPTION)				
02006AB	ORANGES-PULP	10	RAW-FRESH OR NFS	0.100000	BEST ESTIMATE	1.60	0.001600

3

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Fenamiphos (Memacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349	2yr feeding- dog NOEL= 0.0250 mg/kg 1.00 ppm LEL= 0.0500 mg/kg 2.00 ppm ONCO: Negative- 1 species.	Plasma ChE depression (no differentiation of plasma, RBC, no assessment of brain ChE activity). No evidence of oncogenicity in mice, rat in progress.	ADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	No data gaps. UF of 100 used due to lack of data on brain ChE effects.	HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. 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)
02006AB	ORANGES-PULP	21 COOKED-NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600
02006HA	ORANGES-PEEL	21 COOKED-NFS	6F1865	P 0.600000	0.600000	INSUFF. DATA	1.60	0.009600
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	6F1865	P 0.600000	0.600000	INSUFF. DATA	1.60	0.009600
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	6F1865	P 0.600000	0.600000	INSUFF. DATA	1.60	0.009600
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	6F1865	P 0.600000	0.100000C	BEST ESTIMATE	1.60	0.001600
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	6F1865	P 0.600000	0.100000C	BEST ESTIMATE	1.60	0.001600
02008JA	TANGERINES	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000C	BEST ESTIMATE	1.60	0.001600
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	6F1865	P 0.600000	0.250000	INSUFF. DATA	0.40	0.001000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001AA	APPLES-FRESH	21 COOKED-NFS	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	9F2252	P 0.250000	0.250000	INSUFF. DATA	0.40	0.001000
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05002AA	CHERRIES-FRESH	21 COOKED-NFS	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05002JA	CHERRIES-JUICE	21 COOKED-NFS	9F2252	P 0.250000	0.250000	INSUFF. DATA	3.80	0.009500
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	9F2252	P 0.250000	0.030000		10.10	0.003030
05004AA	PEACHES-FRESH	21 COOKED-NFS	9F2252	P 0.250000	0.030000		10.10	0.003030
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	9F2252	P 0.250000	0.030000		10.10	0.003030
05004AA	PEACHES-FRESH	51 COOKED-CANNED	9F2252	P 0.250000	0.030000		10.10	0.003030
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	9F2252	P 0.250000	0.030000		10.10	0.003030
05004DA	PEACHES-DRIED	21 COOKED-NFS	9F2252	P 0.250000	0.030000		10.10	0.003030
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06002AB	BANANAS-FRESH	21 COOKED-NFS	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06002DA	BANANAS-DRIED	31 COOKED-FRESH OR CANNED	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06002DA	BANANAS-DRIED	10 RAW-FRESH OR NFS	3F1399	P 0.100000	0.050000C	99TH PERCENTILE	80.00	0.040000
06013AA	PINEAPPLE-PULP	10 RAW-FRESH OR NFS	6F1864	P 0.300000	0.200000	BEST ESTIMATE	40.00	0.080000
06013AA	PINEAPPLE-PULP	21 COOKED-NFS	6F1864	P 0.300000	0.200000	BEST ESTIMATE	40.00	0.080000
06013DA	PINEAPPLE-DRIED	10 RAW-FRESH OR NFS	6F1864	P 0.300000	0.200000C	BEST ESTIMATE	40.00	0.080000

5

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Fenamiphos (Nemacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349	2yr feeding- dog NOEL= 0.0250 mg/kg 1.00 ppm LEL= 0.0500 mg/kg 2.00 ppm ONCO: Negative- 1 species.	Plasma ChE depression (no differentiation of plasma, RBC, no assessment of brain ChE activity). No evidence of oncogenicity in mice, rat in progress.	ADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	No data gaps. UF of 100 used due to lack of data on brain ChE effects.	HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. 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)
06013JA	PINEAPPLE-JUICE	10 RAW-FRESH OR NFS	6F1864	P 0.300000	0.200000C	BEST ESTIMATE	40.00	0.080000
06013JA	PINEAPPLE-JUICE	15 RAW-FRESH OR CANNED	6F1864	P 0.300000	0.200000C	BEST ESTIMATE	40.00	0.080000
06013JA	PINEAPPLE-JUICE	21 COOKED-NFS	6F1864	P 0.300000	0.200000C	BEST ESTIMATE	40.00	0.080000
06013JA	PINEAPPLE-JUICE	31 COOKED-FRESH OR CANNED	6F1864	P 0.300000	0.200000C	BEST ESTIMATE	40.00	0.080000
06016AA	PLANTAINS	21 COOKED-FRESH-BOILED	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED	3F1399	P 0.100000	0.050000	99TH PERCENTILE	80.00	0.040000
06018AA	KIWI	10 RAW-FRESH OR NFS	8E3585	P 0.100000	0.100000		100.00	0.100000
07001FA	COCOA BUTTER	21 COOKED-NFS	2E2691	P 0.020000	0.020000	INSUFF. DATA	100.00	0.020000
07001SA	CHOCOLATE	10 RAW-FRESH OR NFS	2E2691	P 0.020000	0.020000	INSUFF. DATA	100.00	0.020000
07001SA	CHOCOLATE	21 COOKED-NFS	2E2691	P 0.020000	0.020000	INSUFF. DATA	100.00	0.020000
07001SA	CHOCOLATE	22 COOKED-FRESH-BAKED	2E2691	P 0.020000	0.020000	INSUFF. DATA	100.00	0.020000
07002AA	COFFEE	21 COOKED-NFS	9E3721	N 0.200000	0.200000		100.00	0.200000
10002AB	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	9E3721	N 0.050000	0.050000		100.00	0.050000
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	9E3721	N 0.050000	0.050000		100.00	0.050000
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	9E3721	N 0.050000	0.050000		100.00	0.050000
11001AA	EGGPLANT	10 RAW-FRESH OR NFS	8E3650	P 0.100000	0.100000		100.00	0.100000
11001AA	EGGPLANT	21 COOKED-NFS	8E3650	P 0.100000	0.100000		100.00	0.100000
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED	8E3650	P 0.100000	0.100000		100.00	0.100000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	7E3559	P 0.600000	0.600000		4.80	0.028800
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	7E3559	P 0.600000	0.600000		4.80	0.028800
11003AD	PEPPERS-OTHER	21 COOKED-NFS	7E3559	P 0.600000	0.600000		4.80	0.028800
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	7E3559	P 0.600000	0.600000		4.80	0.028800
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	7E3559	P 0.600000	0.600000		100.00	0.600000
11004AA	PIMIENTOS	21 COOKED-NFS	7E3559	P 0.600000	0.600000		100.00	0.600000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	7E3559	P 0.600000	0.600000		100.00	0.600000
13001AA	BEEETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	8E3651	P 1.000000	1.000000	INSUFF. DATA	50.00	0.500000
13001AA	BEEETS-TOPS	21 COOKED-NFS	8E3651	P 1.000000	1.000000	INSUFF. DATA	50.00	0.500000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	3F1399	P 0.100000	0.100000	INSUFF. DATA	33.70	0.033700
13006AA	BRUSSEL SPROUTS	25 COOKED-FRESH OR NFS	3F1399	P 0.100000	0.100000	INSUFF. DATA	33.70	0.033700
13007AA	CABBAGE	11 RAW-FRESH-PICKLED, CORNED, OR CURED	3F1399	P 0.100000	0.100000	INSUFF. DATA	7.40	0.007400
13007AA	CABBAGE	21 COOKED-NFS	3F1399	P 0.100000	0.100000	INSUFF. DATA	7.40	0.007400
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	OE3845	A 0.400000	0.400000		28.60	0.028600
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	3F1399	P 0.100000	0.100000	INSUFF. DATA	28.60	0.028600
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	OE3845	A 0.400000	0.400000		28.60	0.028600
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	3F1399	P 0.100000	0.100000	INSUFF. DATA	28.60	0.028600
14001AA	BEEETS-ROOTS	10 RAW-FRESH OR NFS	8E3651	P 1.500000	0.030000		50.00	0.015000
14001AA	BEEETS-ROOTS	21 COOKED-NFS	8E3651	P 1.500000	0.030000		50.00	0.015000
14001AA	BEEETS-ROOTS	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	8E3651	P 1.500000	0.030000		50.00	0.015000

5

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A

CHEMICAL Fenamiphos (Nemacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349	STUDY TYPE 2yr feeding- dog NOEL= 0.0250 mg/kg 1.00 ppm LEL= 0.0500 mg/kg 2.00 ppm OMCO: Negative- 1 species.	EFFECTS Plasma CHE depression (no differentiation of plasma, RBC, no assessment of brain CHE activity). No evidence of oncogenicity in mice, rat in progress.	REFERENCE DOSES ADI UF -->100 OPP Rfd= 0.000250 EPA Rfd= 0.000250	DATA GAPS/COMMENTS No data gaps. UF of 100 used due to lack of data on brain CHE effects.	STATUS HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. 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)
14001AA	BEETS-ROOTS	31 COOKED-FRESH OR CANNED	8E3651	P 1.500000	0.030000		50.00	0.015000
14007AA	GARLIC	10 RAW-FRESH OR NFS	2E2691	P 0.500000	0.500000	INSUFF. DATA	7.00	0.035000
14007AA	GARLIC	21 COOKED-NFS	2E2691	P 0.500000	0.500000	INSUFF. DATA	7.00	0.035000
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	2E2691	P 0.500000	0.500000	INSUFF. DATA	7.00	0.035000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	3F1399	P 0.020000	0.020000	INSUFF. DATA	5.30	0.001060
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	3F1399	P 0.020000	0.020000	INSUFF. DATA	5.30	0.001060
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	3F1399	P 0.020000	0.020000	INSUFF. DATA	5.30	0.001060
15015AA	OKRA	21 COOKED-NFS	2E2724	P 0.300000	0.300000	INSUFF. DATA	17.50	0.052500
15015AA	OKRA	25 COOKED-FRESH-FRIED	2E2724	P 0.300000	0.300000	INSUFF. DATA	17.50	0.052500
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
16002AA	ASPARAGUS	21 COOKED-NFS	3E2913	P 0.020000	0.020000	INSUFF. DATA	0.00	0.000000
16002AA	ASPARAGUS	23 COOKED-FRESH-BOILED	3E2913	P 0.020000	0.020000	INSUFF. DATA	0.00	0.000000
17002AA	ASPARAGUS	18 PROCESSED OIL	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.10	0.000050
27003AA	COTTONSEED-OIL	18 PROCESSED OIL	3F1399	P 0.020000	0.020000	INSUFF. DATA	0.20	0.000100
27003AA	COTTONSEED-OIL	18 PROCESSED OIL	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
27007AA	PEANUTS-OIL	18 PROCESSED OIL	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
27010AA	SOYBEANS-OIL	18 PROCESSED OIL	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AB	SOYBEANS-DRY	21 COOKED-NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, FULL FAT	21 COOKED-NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, LOW FAT	21 COOKED-NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, DEFAT	21 COOKED-NFS	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, DEFAT	51 COOKED-CANNED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
28023AA	SOY-FL, DEFAT	53 COOKED-CANNED-BOILED	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.20	0.000100
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS		P 0.100000	0.100000		100.00	0.100000
43058AA	WINE AND SHERRY	21 COOKED-NFS		P 0.100000	0.100000		100.00	0.100000
500000B	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000
500000B	MILK-NON-FAT SOL	21 COOKED-NFS	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000
500000B	MILK-NON-FAT SOL	51 COOKED-CANNED	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000
50000SA	MILK SUG (LACT)	21 COOKED-NFS	9F2252	P 0.010000	0.010000	BEST ESTIMATE	100.00	0.001000

6

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Fenamiphos (Nemacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349	2yr feeding- dog NOEL= 0.0250 mg/kg 1.00 ppm LEL= 0.0500 mg/kg 2.00 ppm OMCO: Negative- 1 species.	Plasma ChE depression (no differentiation of plasma, RBC, no assessment of brain ChE activity). No evidence of oncogenicity in mice, rat in progress.	ADI UF -->100 OPP Rfd= 0.000250 EPA Rfd= 0.000250	No data gaps. UF of 100 used due to lack of data on brain ChE effects.	HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. 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)
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	9F2252	P 0.010000	0.001000	BEST ESTIMATE	100.00	0.001000
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001BB	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001DA	BEEF-DRIED	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001FA	BEEF-FAT	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001KA	BEEF-KIDNEY	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001HA	BEEF-LIVER	10 RAW-FRESH OR NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001HA	BEEF-LEAN	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001HA	BEEF-LEAN	22 COOKED-FRESH-BAKED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001HA	BEEF-LEAN	23 COOKED-FRESH-BOILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53001HA	BEEF-LEAN	24 COOKED-FRESH-BROILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002HA	GOAT-LEAN	23 COOKED-FRESH-BOILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53002HA	GOAT-LEAN	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005FA	SHEEP-FAT	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005HA	SHEEP-LEAN	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53005HA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006BA	PORK-MEAT BYP	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006FA	PORK-FAT	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A

PAGE: 6

DATE: 10/30/90

CHEMICAL Fenamiphos (Nemacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349	STUDY TYPE 2yr feeding- dog NOEL= 0.0250 mg/kg 1.00 ppm LEL= 0.0500 mg/kg 2.00 ppm ONCO: Negative- 1 species.	EFFECTS Plasma ChE depression (no differentiation of plasma, RBC, no assessment of brain ChE activity). No evidence of oncogenicity in mice, rat in progress.	REFERENCE DOSES ADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	DATA GAPS/COMMENTS No data gaps. UF of 100 used due to lack of data on brain ChE effects.	STATUS HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. 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)
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006GA	PORK-KIDNEY	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006LA	PORK-LIVER	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006MA	PORK-LEAN	21 COOKED-NFS	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	9F2252	P 0.050000	0.020000	BEST ESTIMATE	100.00	0.020000

8

TABLE 3

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 10/30/90

PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Fenamiphos (Nemacur) Caswell #453A CAS No. 22224-92-6 A.I. CODE: 100601 CFR No. 180.349	2yr feeding - dog NOEL= 0.0250 mg/kg LEL= 1.00 ppm 0.0500 mg/kg 2.00 ppm ONCO: Negative- 1 species.	Plasma ChE depression (no differentiation of plasma, RBC, no assessment of brain ChE activity). No evidence of oncogenicity in mice, rat in progress.	ADI UF -->100 OPP RFD= 0.000250 EPA RFD= 0.000250	No data gaps. UF of 100 used due to lack of data on brain ChE effects.	HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. On IRIS.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES	
	CURRENT TMRC*	NEW TMRC**			ARC	%RFD
U.S. POPULATION - 48 STATES	0.002100	0.002114	845.408400	5.323600	0.000122	48.74200
U.S. POPULATION - SPRING SEASON	0.002083	0.002096	838.288800	5.070400	0.000143	57.38480
U.S. POPULATION - SUMMER SEASON	0.001984	0.002003	801.244400	7.519600	0.000121	48.22440
U.S. POPULATION - FALL SEASON	0.002125	0.002136	854.272000	4.280000	0.000109	43.52520
U.S. POPULATION - WINTER SEASON	0.002198	0.002210	883.814400	4.433200	0.000114	45.60560
NORTHEAST REGION	0.002586	0.002602	1040.677200	6.202800	0.000131	52.21080
NORTH CENTRAL REGION	0.002069	0.002082	832.854400	5.062400	0.000123	49.28040
SOUTHERN REGION	0.001686	0.001696	678.552400	4.017600	0.000103	41.04560
WESTERN REGION	0.002194	0.002211	884.315200	6.787600	0.000141	56.37760
HISPANICS	0.002685	0.002693	1077.162000	3.126000	0.000118	47.31840
NON-HISPANIC WHITES	0.002050	0.002064	825.501200	5.356000	0.000126	50.47680
NON-HISPANIC BLACKS	0.002037	0.002042	816.724400	2.040000	0.000088	35.01760
NON-HISPANIC OTHERS	0.002889	0.002993	1197.120800	41.668800	0.000184	73.72640
NURSING INFANTS (< 1 YEAR OLD)	0.003643	0.003643	1457.225600	0.000000	0.000090	36.04320
NON-NURSING INFANTS (< 1 YEAR OLD)	0.007014	0.007014	2805.590400	0.152000	0.000217	86.92760
FEMALES (13+ YEARS, PREGNANT)	0.001655	0.001665	666.044400	4.089600	0.000087	34.67360
FEMALES 13+ YEARS, NURSING	0.001631	0.001643	657.018400	4.424800	0.000096	38.57520
CHILDREN (1-6 YEARS OLD)	0.005653	0.005660	2264.038800	2.971200	0.000220	88.04160
CHILDREN (7-12 YEARS OLD)	0.003049	0.003055	1221.801200	2.136000	0.000147	58.76280
MALES (13-19 YEARS OLD)	0.001701	0.001704	681.608400	1.349200	0.000101	40.40400
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.001612	0.001617	646.810800	1.942400	0.000087	34.87160
MALES (20 YEARS AND OLDER)	0.001268	0.001284	513.405600	6.331600	0.000111	44.30080
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.001535	0.001554	621.669600	7.738400	0.000106	42.43280

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

Analysis using 30% crop treated
for plantain and 50% beet roots and tops.

112 The

TOLERANCE ASSESSMENT SUMMARY FOR Fenamiphos (Nemacur)
USING ANTICIPATED RESIDUES
CASWELL #453A

DATE: 10/30/90

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

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000110	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	43.940	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000011	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	4.594	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000121	MG/KG/DAY
THE NEW ARC WILL OCCUPY	48.533	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000001	MG/KG/DAY
THIS ARC WILL OCCUPY	0.209	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000122	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	48.742	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000217	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	86.776	% 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:	0.152	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000217	MG/KG/DAY
THE NEW ARC WILL OCCUPY	86.928	% OF THE ADI.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000216	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	86.544	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000002	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.908	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000219	MG/KG/DAY
THE NEW ARC WILL OCCUPY	87.451	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000001	MG/KG/DAY
THIS ARC WILL OCCUPY	0.590	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000220	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	88.042	% OF THE ADI.

Analysis used ~~for~~ crop treated for plantains
80% for beet roots and 100% for beet tops.

TOLERANCE ASSESSMENT SUMMARY FOR Fenamiphos (Nemacur)
USING ANTICIPATED RESIDUES
CASWELL #453A

DATE: 10/11/90

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

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000110	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	44.092	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000011	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	4.594	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000122	MG/KG/DAY
THE NEW ARC WILL OCCUPY	48.686	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000001	MG/KG/DAY
THIS ARC WILL OCCUPY	0.209	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000122	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	48.895	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000217	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	86.776	% 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:	0.152	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000217	MG/KG/DAY
THE NEW ARC WILL OCCUPY	86.928	% OF THE ADI.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000216	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	86.598	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000002	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.908	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000219	MG/KG/DAY
THE NEW ARC WILL OCCUPY	87.505	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000001	MG/KG/DAY
THIS ARC WILL OCCUPY	0.590	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000220	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	88.096	% OF THE ADI.