



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, ^{Haig} 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

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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

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
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 UF of 100 used due to lack of data on brain ChE effects. No data gaps. HED complete 03/21/86. EPA verified 12/09/86. HED complete 07/01/88. EPA not scheduled. WHO last reviewed 1987. On IRIS.											
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000			
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000			
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000			
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000			
01006AA	RASPBERRIES	70 RAW-FROZEN	2E2605	P 0.100000	0.100000	INSUFF. DATA	100.00	0.100000			
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700			
01014AA	GRAPES-FRESH	21 COOKED-NFS	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700			
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700			
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	2H5361	P 0.300000	0.300000C	INSUFF. DATA	3.70	0.011100			
01014DA	GRAPES-RAISINS	21 COOKED-NFS	2H5361	P 0.300000	0.300000C	INSUFF. DATA	3.70	0.011100			
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	2H5361	P 0.300000	0.300000C	INSUFF. DATA	3.70	0.011100			
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700			
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700			
01014JA	GRAPES-JUICE	21 COOKED-NFS	2F2623	P 0.100000	0.100000	INSUFF. DATA	3.70	0.003700			
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	6E3403	P 0.600000	0.600000	INSUFF. DATA	100.00	0.600000			
01016AA	STRAWBERRIES	21 COOKED-NFS	6E3403	P 0.600000	0.600000	INSUFF. DATA	100.00	0.600000			
01016AA	STRAWBERRIES	70 RAW-FROZEN	6E3403	P 0.600000	0.600000	INSUFF. DATA	100.00	0.600000			
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004HA	LEMONS-PEEL	21 COOKED-NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004JA	LEMONS-JUICE	21 COOKED-NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02005AA	LIMES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02005AB	LIMES-PULP	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02005HA	LIMES-PEEL	21 COOKED-NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02005JA	LIMES-JUICE	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02005JA	LIMES-JUICE	15 RAW-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02005JA	LIMES-JUICE	31 COOKED-FRESH OR CANNED	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A

DATE: 10/30/90

PAGE: 2

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
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.			
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	31 COOKED-FRESH-BAKED	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			
02008AA	TANGERINES	10 RAW-FRESH OR NFS	6F1865	P 0.600000	0.100000	BEST ESTIMATE	1.60	0.001600			
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	6F1865	P 0.600000	0.100000C	BEST ESTIMATE	1.60	0.001600			
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			
04001DA	APPLES-DRIED	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			
04001JA	APPLES-JUICE	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	0.050000C	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			
06013AA	PINEAPPLE-PULP	31 COOKED-FRESH OR CANNED	6F1864	P 0.300000	0.200000C	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			

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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-NFS	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
10002AA	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		100.00	0.600000
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	BEETS-TOPS	31 COOKED-FRESH OR CANNED	8E3651	P 1.000000	1.000000		50.00	0.500000
13001AA	BEETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	8E3651	P 1.000000	1.000000	INSUFF. DATA	33.70	0.033700
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	3F1399	P 0.100000	0.100000	INSUFF. DATA	33.70	0.033700
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	3F1399	P 0.100000	0.100000	INSUFF. DATA	7.40	0.007400
13007AA	CABBAGE	10 RAW-FRESH OR NFS	3F1399	P 0.100000	0.100000	INSUFF. DATA	7.40	0.007400
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	28.60	0.028600
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	OE3845	A 0.400000	0.400000		28.60	0.114400
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	OE3845	A 0.400000	0.400000		28.60	0.114400
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	OE3845	A 0.400000	0.400000		28.60	0.114400
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	OE3845	A 0.400000	0.400000		28.60	0.114400
14001AA	BEETS-ROOTS	10 RAW-FRESH OR NFS	8E3651	P 1.500000	0.030000		50.00	0.015000
14001AA	BEETS-ROOTS	21 COOKED-NFS	8E3651	P 1.500000	0.030000		50.00	0.015000
14001AA	BEETS-ROOTS	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	8E3651	P 1.500000	0.030000		50.00	0.015000

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A

PAGE: 4

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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. WHO 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	BETS-ROOTS	31 COOKED-FRESH OR CANNED	8E3651	P 1.500000	0.030000			0.015000
14007AA	GARLIC	10 RAW-FRESH OR NFS	2E2691	P 0.500000	0.500000	INSUFF. DATA	50.00	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
270030A	COTTONSEED-OIL	18 PROCESSED OIL	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.10	0.000050
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	3F1399	P 0.050000	0.050000	INSUFF. DATA	0.10	0.000050
270070A	PEANUTS-OIL	18 PROCESSED OIL	3F1399	P 0.020000	0.020000	INSUFF. DATA	5.30	0.001060
270100A	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	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	INSUFF. DATA	100.00	0.100000
43058AA	WINE AND SHERRY	21 COOKED-NFS		P 0.100000	0.100000	INSUFF. DATA	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

DATE: 10/30/90

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
0000								

500000SA	MILK SUG (LACT)	51	COOKED-CANNED	9F2252	P 0.010000	BEST ESTIMATE	100.00
53001BA	BEEF-MEAT BYP	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001BA	BEEF-MEAT BYP	26	COOKED-FRESH-PICKLED, CORNED, OR CURED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001BB	BEEF-OTH ORGAN	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001BB	BEEF-OTH ORGAN	51	COOKED-CANNED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001DA	BEEF-DRIED	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001FA	BEEF-FAT	10	RAW-FRESH OR NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001FA	BEEF-FAT	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001FA	BEEF-FAT	22	COOKED-FRESH-BAKED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001FA	BEEF-FAT	23	COOKED-FRESH-BOILED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001FA	BEEF-FAT	24	COOKED-FRESH-BROILED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001FA	BEEF-FAT	25	COOKED-FRESH-FRIED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001KA	BEEF-KIDNEY	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001LA	BEEF-LIVER	25	COOKED-FRESH-FRIED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001LA	BEEF-LIVER	31	COOKED-FRESH OR CANNED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001HA	BEEF-LEAN	10	RAW-FRESH OR NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001HA	BEEF-LEAN	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001HA	BEEF-LEAN	22	COOKED-FRESH-BAKED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001HA	BEEF-LEAN	23	COOKED-FRESH-BOILED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53001HA	BEEF-LEAN	24	COOKED-FRESH-BROILED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002BA	GOAT-OTH ORGAN	00	NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002FA	GOAT-FAT	23	COOKED-FRESH-BOILED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002FA	GOAT-FAT	25	COOKED-FRESH-FRIED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002KA	GOAT-KIDNEY	00	NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002LA	GOAT-LIVER	00	NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002HA	GOAT-LEAN	23	COOKED-FRESH-BOILED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53002HA	GOAT-LEAN	25	COOKED-FRESH-FRIED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53003AA	HORSE	00	NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005BA	SHEEP-MEAT BYP	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005BB	SHEEP-OTH ORGAN	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005FA	SHEEP-FAT	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005KA	SHEEP-KIDNEY	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005LA	SHEEP-LIVER	00	NOT SPECIFIED (NO CONSUMPTION)	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005HA	SHEEP-LEAN	31	COOKED-FRESH OR CANNED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53005HA	SHEEP-LEAN	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53006BA	PORK-MEAT BYP	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53006BB	PORK-OTH ORGAN	26	COOKED-FRESH-PICKLED, CORNED, OR CURED	9F2252	P 0.050000	BEST ESTIMATE	100.00
53006BB	PORK-OTH ORGAN	10	RAW-FRESH OR NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00
53006FA	PORK-FAT	21	COOKED-NFS	9F2252	P 0.050000	BEST ESTIMATE	100.00

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 453A

PAGE: 6

DATE: 10/30/90

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)
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
53006KA	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

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 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.	
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)									
POPULATION SUBGROUP			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			0.002100	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	0.001655	666.044400	4.089600	0.000087		34.67360
FEMALES 13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD)			0.001631	0.001643	657.018400	4.424800	0.000096		38.57520
CHILDREN (7-12 YEARS OLD)			0.005653	0.005660	2264.038800	2.971200	0.000220		88.04160
MALES (13-19 YEARS OLD)			0.003049	0.003055	1221.801200	2.136000	0.000147		58.76280
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)			0.001701	0.001704	681.608400	1.349200	0.000101		40.40400
MALES (20 YEARS AND OLDER)			0.001612	0.001617	646.810800	1.942400	0.000087		34.87160
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)			0.001268	0.001284	513.405600	6.331600	0.000111		44.30080
			0.001554	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.

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.