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

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

JUL 2 7 1995

MEMORANDUM

SUBJECT: **Endosulfan:** Acute Dietary Exposure and Risk Estimates.

FROM: Jennifer M. Wintersteen
Dietary Risk Evaluation Section
Science Analysis Branch/HED   *(7509C)*

TO: Sepehr Haddad, Chemical Manager
Special Review Branch
Special Review and Reregistration Division
          and
Christina Scheltema, Chemical Manager
Special Review Section
RCAB/HED

THROUGH: Elizabeth A. Doyle, Ph.D., Section Head
Dietary Risk Evaluation Section
Science Analysis Branch/Health Effects Division

Action Requested

Special Review Branch of SRRD has requested an acute DRES analysis for endosulfan which does *not* include commodities not supported in the reregistration of endosulfan. Also, SRB has requested help in the identification of commodities driving the acute dietary risk.

Discussion

I. Toxicological Endpoints

Acute Endpoint: In an HED document, Endosulfan Toxicology Endpoint Selection Document by L. Taylor and M. Van Gemert dated 12/13/94, it was concluded that based on the weight of evidence, endosulfan was to be considered an acute toxicant by the Agency. A NOEL of 0.7 mg/kg bwt/day from a developmental study in rabbits was identified as the endpoint for use in acute dietary risk assessment. The effect noted in the study was convulsions.

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II. Residue Information

Food uses evaluated in this analysis were the published tolerances listed in the Tolerance Index System (TIS) and 40 CFR §180.182 and 185.2600 except those commodities identified as not being supported in the reregistration of endosulfan. The following published tolerances were not included in the acute dietary analysis: alfalfa, artichokes, barley, oats, succulent peas, rye, safflower, sugar beets, sunflower, watercress, and wheat. Other commodities identified as not being supported, field corn, dried peas and soybeans currently do not have published tolerances in the 40 CFR. Unpublished tolerances exist in the endosulfan DRES file for poultry and eggs (0.001 ppm). Poultry and eggs have been included in the risk assessment since Chemistry Branch in HED considers these tolerances to be necessary (see discussion below).

Acute Residues: Tolerance level residues were used for all endosulfan commodities. Poultry and egg tolerances were included in the acute analysis. Residues for poultry and eggs were provided by J. Abbotts and were not 'tolerances' but were considered the best estimates available from studies reviewed by CBRS. These residues could be revised when further data become available and are reviewed. A list of all the residues and foods used in Analysis A for all published uses is provided in the Table "Residues for Endosulfan Acute DRES Analysis".

III. Results

Acute Exposure

The DRES detailed acute exposure analysis evaluates individual food consumption as reported by respondents in the USDA 77-78 Nationwide Food Consumption Survey (NFCS) and estimates the distribution of single day exposures through the diet for the U.S. population and certain subgroups. The analysis assumes uniform distribution of endosulfan in the commodity supply. The toxicological effect seen in animal studies was neurotoxicity. All standard DRES subgroups, therefore, are of concern. The analysis includes the U.S. population-48 states and four subgroups: Infants (<1 year), children (1-6 years), females (13+ years) and males (13+ years).

The Margin of Exposure (MOE) is a measure of how closely 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). The Agency is not generally concerned unless the MOE is below 100 when based upon data generated in animal studies, as in this case.

In the analysis, tolerance level residues were used to calculate the high end, mean and percentile consumer estimates of exposure for all subgroups. Exposures were compared to the NOEL of 0.7 mg/kg bwt/day from the rabbit developmental study to calculate Margins of Exposure (MOE).

A. Acute Analysis Results for all Published Uses of Endosulfan.

DRES Subgroup	Percentile Consumer at which MOE is 100	Mean MOE NOEL/Mean Exposure	MOE NOEL/High Exposure
U.S. pop. -48 states	41st %ile	57	7
Infants (< 1 year)	14th %ile	17	<5
Children (1-6 years)	14th %ile	27	5
Females (13+ years)	48th %ile	75	10
Males (13+ years)	48th. %ile	76	10

B. Acute Analysis Results excluding Uses not being supported in Reregistration of Endosulfan.

DRES Subgroup	Percentile Consumer at which MOE is 100	Mean MOE NOEL/Mean Exposure	MOE NOEL/High Exposure
U.S. pop. -48 states	44th %ile	60	7
Infants (< 1 year)	15th %ile	18	<5
Children (1-6 years)	17th %ile	28	5
Females (13+ years)	51st %ile	78	10
Males (13+ years)	51st %ile	80	10

C. Acute Analysis Results for Endosulfan on **Apples**

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	133	50 (92nd %ile)	30
Infants <1	20	7 (95th %ile)	43
Children 1-6	53	13 (96th %ile)	41
Females 13+	227	50 (97th %ile)	27
Males 13+	264	50 (98th %ile)	29

D. Acute Analysis Results for Endosulfan on **Tomatoes**

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	127	100 (75th %ile)	50
Infants <1	122	100 (83rd %ile)	29
Children 1-6	59	100 (50th %ile)	43
Females 13+	161	100 (80th %ile)	51
Males 13+	154	100 (78th .%ile)	51

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E. Acute Analysis Results for Endosulfan on Grapes/Raisins

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	303	63 (95th %ile)	27
Infants <1	69	20 (91st %ile)	5
Children 1-6	136	20 (95th %ile)	35
Females 13+	352	71 (95th %ile)	25
Males 13+	442	83 (94th %ile)	27

F. Acute Analysis Results for Endosulfan on **Peaches**

Subgroup	Percentile MOE	% Consumers
U.S. Population	71 (95th %ile)	20
Infants <1	10 (82nd %ile)	17
Children 1-6	33 (95th %ile)	24
Females 13+	100 (96th %ile)	18
Males 13+	125 (95th %ile)	19

G. Acute Analysis Results for Endosulfan on **Potatoes**

Subgroup	Percentile MOE	% Consumers
U.S. Population	250 (99th %ile)	56
Infants <1	100 (99th %ile)	38
Children 1-6	125 (99th %ile)	60
Females 13+	250 (99th %ile)	52
Males 13+	250 (99th %ile)	60

H. Acute Analysis Results for Endosulfan on **Milk**

Subgroup	Percentile MOE	% Consumers
U.S. Population	83 (95th %ile)	98
Infants <1	25 (96th %ile)	87
Children 1-6	50 (92nd %ile)	99
Females 13+	167 (96th %ile)	97
Males 13+	125 (97th %ile)	98

I. Acute Analysis Results for Endosulfan on **Squash (summer & winter)**

Subgroup	Percentile MOE	% Consumers
U.S. Population	50 (96th %ile)	3
Infants <1	25 (92nd %ile)	5
Children 1-6	25 (94th %ile)	1
Females 13+	63 (95th %ile)	3
Males 13+	83 (94th %ile)	3

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J. Acute Analysis Results for Endosulfan on **Strawberries**

Subgroup	Percentile MOE	% Consumers
U.S. Population	250 (95th %ile)	15
Infants <1	25 (95th %ile)	1
Children 1-6	250 (95th %ile)	18
Females 13+	250 (94th %ile)	13
Males 13+	250 (95th %ile)	15

K. Acute Analysis Results for Endosulfan on **Broccoli**

Subgroup	Percentile MOE	% Consumers
U.S. Population	100 (90th %ile)	3
Infants <1	100 (54th %ile)	1
Children 1-6	100 (56th %ile)	2
Females 13+	100 (94th %ile)	3
Males 13+	100 (94th %ile)	3

L. Acute Analysis Results for Endosulfan on **Pineapple**

Subgroup	Percentile MOE	% Consumers
U.S. Population	100 (84th %ile)	5
Infants <1	100 (66th %ile)	8
Children 1-6	100 (59th %ile)	5
Females 13+	100 (89th %ile)	4
Males 13+	100 (92nd %ile)	4

M. Acute Analysis Results for Endosulfan on **Spinach**

Subgroup	Percentile MOE	% Consumers
U.S. Population	100 (93rd %ile)	4
Infants <1	100 (31st %ile)	2
Children 1-6	100 (77th %ile)	3
Females 13+	100 (95th %ile)	4
Males 13+	100 (97th %ile)	4

N. Acute Analysis Results for Endosulfan on **Succulent Beans (green, wax, and lima)**

Subgroup	Percentile MOE	% Consumers
U.S. Population	100 (91st %ile)	15
Infants <1	100 (23rd %ile)	10
Children 1-6	100 (66th %ile)	14
Females 13+	100 (96th %ile)	15
Males 13+	100 (96th %ile)	15

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O. Acute Analysis Results for Endosulfan on **Sweet Potato**

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	1505	--	2
Infants <1	588	--	5
Children 1-6	751	100 (98th %ile)	2
Females 13+	1897	--	2
Males 13+	1892	--	2

P. Acute Analysis Results for Endosulfan on **Carrots**

Subgroup	High End MOE	% Consumers
U.S. Population	--[1]	32
Infants <1	167	45
Children 1-6	250	32
Females 13+	--	33
Males 13+	--	31

Q. Acute Analysis Results for Endosulfan on **Beef (fat, lean and mbyprod)**

Subgroup	High End MOE	% Consumers
U.S. Population	250	97
Infants <1	125	41
Children 1-6	167	99
Females 13+	250	97
Males 13+	250	99

R. Acute Analysis Results for Endosulfan on **Pears**

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	151	50 (94th %ile)	5
Infants <1	31	25 (65th %ile)	14
Children 1-6	73	50 (74th %ile)	5
Females 13+	221	50 (99th %ile)	5
Males 13+	247	--	5

S. Acute Analysis Results for Endosulfan on **Sweet Corn**

Subgroup	High End MOE	% Consumers
U.S. Population	250	13
Infants <1	167	18
Children 1-6	167	15
Females 13+	--[2]	12
Males 13+	--	13

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[1] MOE is considerably above 100. Unable to calculate on distribution and further analysis not warranted.

[2] See Footnote 1.

T. Acute Analysis Results for Endosulfan on **Cantaloupe**

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	114	50 (95th %ile)	2
Infants <1	30	--	<1
Children 1-6	53	25 (95th %ile)	1
Females 13+	121	50 (98th %ile)	2
Males 13+	134	50 (99th %ile)	1

U. Acute Analysis Results for Endosulfan on **Lettuce**

Subgroup	Mean MOE	Percentile MOE	% Consumers
U.S. Population	528	167 (97th %ile)	34
Infants <1	526	250 (99th %ile)	<1
Children 1-6	366	125 (96th %ile)	19
Females 13+	509	167 (96th %ile)	37
Males 13+	633	250 (94th %ile)	37

(Blueberries + raspberries, pecans, pumpkin and lettuce were ok)

Tables of distribution of exposures are attached for each commodity. These tables include the calculation of the MOEs.

Discussion

When only uses of endosulfan being supported for reregistration are considered the acute dietary risk is still of concern, that is, MOEs are below 100 for all consumers even at the mean exposure level. Many commodities appear to be driving acute risk estimates, namely apples, tomatoes, grapes (including raisins and wine/sherry), peaches, milk, squash, pineapple, and pears. Strawberries, broccoli, spinach and succulent beans appear to be a problem for the infants and children (1-6) subgroups only.

The acute NOEL, 0.7 mg/kg/day, was taken from a developmental study in rabbits which showed maternal neurotoxic effects, namely convulsions, hyperactivity, and labored respiration at the LEL 1.8 mg/kg/day. Another developmental study in rats with a maternal NOEL of 2.0 mg/kg/day demonstrated similar convulsion and seizure effects and death at the LOEL of 6.0 mg/kg/day. The Agency has requested that another study specifically for neurotoxicity be conducted for endosulfan.

Attachments

cc: DRES, Caswell #160, CBRS (S. Hummel), Tox II (M. Ioannou), G. LaRocca, PM 13, Bill Sette (SAB)

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	Code	Value	Commodity
420	01006AA10	0.1000	RASPBERRIES
420	01006AA15	0.1000	RASPBERRIES
420	01006AA31	0.1000	RASPBERRIES
420	01006AA62	0.1000	RASPBERRIES
420	01006AA70	0.1000	RASPBERRIES
420	01009AA10	0.1000	BLUEBERRIES
420	01009AA21	0.1000	BLUEBERRIES
420	01009AA31	0.1000	BLUEBERRIES
420	01009AA62	0.1000	BLUEBERRIES
420	01009AA22	0.1000	BLUEBERRIES
420	01014AA10	0.1000	GRAPES-FRESH
420	01014AA21	2.0000	GRAPES-FRESH
420	01014AA31	2.0000	GRAPES-FRESH
420	01014DA21	2.0000	GRAPES-RAISINS
420	01014DA10	2.0000	GRAPES-RAISINS
420	01014DA22	2.0000	GRAPES-RAISINS
420	01016AA70	2.0000	STRAWBERRIES
420	01014JA10	2.0000	GRAPES-JUICE
420	01014JA15	2.0000	GRAPES-JUICE
420	01014JA21	2.0000	GRAPES-JUICE
420	01016AA10	2.0000	STRAWBERRIES
420	01016AA21	2.0000	STRAWBERRIES
420	03001AA10	0.2000	ALMONDS
420	03001AA21	0.2000	ALMONDS
420	03001AA22	0.2000	ALMONDS
420	03001JA21	0.2000	ALMONDS
420	03005AA10	0.2000	FILBERTS
420	03005AA21	0.2000	FILBERTS
420	03005AA22	0.2000	FILBERTS
420	03007AA10	0.2000	MACADAMIA NUTS
420	03008AA10	0.2000	PECANS
420	03008AA21	0.2000	PECANS
420	03008AA22	0.2000	PECANS
420	03008AA23	0.2000	PECANS
420	03008AA62	0.2000	PECANS
420	03009AA10	0.2000	WALNUTS
420	03009AA21	0.2000	WALNUTS
420	03009AA22	0.2000	WALNUTS
420	04001AA10	2.0000	APPLES-FRESH
420	04001AA21	2.0000	APPLES-FRESH
420	04001AA31	2.0000	APPLES-FRESH
420	04001AA62	2.0000	APPLES-FRESH
420	04001DA10	2.0000	APPLES-FRESH
420	04001DA22	2.0000	APPLES-FRESH
420	04001DA62	2.0000	APPLES-DRIED
420	04001JA15	2.0000	APPLES-DRIED
420	04001JA31	2.0000	APPLES-DRIED
420	04003AA10	2.0000	APPLES-JUICE
420	04003AA31	2.0000	APPLES-JUICE
420	04003AA51	2.0000	PEARS-FRESH
420	04003AA62	2.0000	PEARS-FRESH
420	04003DA10	2.0000	PEARS-FRESH
420	04003DA21	2.0000	PEARS-FRESH
420	05001AA10	2.0000	PEARS-FRESH
420	05001AA21	2.0000	PEARS-FRESH
420	05001AA31	2.0000	PEARS-DRIED
420	05001DA10	2.0000	PEARS-DRIED
420	05001DA22	2.0000	APRICOTS-FRESH
420	05001...	2.0000	APRICOTS-FRESH
420	05001...	2.0000	APRICOTS-FRESH
420	05001...	2.0000	APRICOTS-FRESH
420	05001DA10	2.0000	APRICOTS-DRIED
420	05001DA22	2.0000	APRICOTS-DRIED
420	05002AA10	2.0000	CHERRIES-FRESH
420	05002AA21	2.0000	CHERRIES-FRESH
420	05002AA31	2.0000	CHERRIES-FRESH
420	05002AA51	2.0000	CHERRIES-FRESH
420	05002AA62	2.0000	CHERRIES-FRESH
420	05002DA00	2.0000	CHERRIES-DRIED
420	05002JA15	2.0000	CHERRIES-JUICE
420	05002JA21	2.0000	CHERRIES-JUICE
420	05003AA10	2.0000	NECTARINES
420	05004AA10	2.0000	PEACHES-FRESH
420	05004AA21	2.0000	PEACHES-FRESH
420	05004AA31	2.0000	PEACHES-FRESH
420	05004AA51	2.0000	PEACHES-FRESH
420	05004DA10	2.0000	PEACHES-FRESH
420	05004DA21	2.0000	PEACHES-DRIED
420	05005JA10	2.0000	PEACHES-DRIED
420	05005JA62	2.0000	PLUMS-FRESH
420	05005DA10	2.0000	PLUMS-FRESH
420	05005AA31	2.0000	PLUMS-PRUNES
420	05005DA21	2.0000	PLUMS-PRUNES
420	05005DA31	2.0000	PLUMS-PRUNES
420	05005AA10	2.0000	PRUNE-JUICE
420	06013DA10	2.0000	PRUNE-JUICE
420	06013AA21	2.0000	PINEAPPLE-PULP
420	06013AA31	2.0000	PINEAPPLE-PULP
420	06013DA10	2.0000	PINEAPPLE-PULP
420	06013JA15	2.0000	PINEAPPLE-DRIED
420	06013JA10	2.0000	PINEAPPLE-JUICE
420	06013JA21	2.0000	PINEAPPLE-JUICE
420	06013JA31	2.0000	PINEAPPLE-JUICE
420	07003JA31	2.0000	PINEAPPLE-JUICE
420	07003AA21	24.0000	TEA
420	10003AA10	2.0000	CASABAS
420	10004AA00	2.0000	CRENSHAWS
420	10002AA00	2.0000	CANTALOUPES-UNSP
420	10002AB10	2.0000	CANTALOUPES-PULP
420	10002AB21	2.0000	CANTALOUPES-PULP
420	10005AA10	2.0000	HONEYDEW MELONS
420	10007AA00	2.0000	PERSION MELONS
420	10008AA10	2.0000	WATERMELON
420	10008AB21	2.0000	WATERMELON
420	10010AA10	2.0000	CUCUMBERS
420	10010AA11	2.0000	CUCUMBERS
420	10010AA21	2.0000	CUCUMBERS
420	10011AA21	2.0000	CUCUMBERS
420	10011AA22	2.0000	PUMPKIN
420	10011AA62	2.0000	PUMPKIN
420	10013AA10	2.0000	PUMPKIN
420	10013AA21	2.0000	SQUASH-SUMMER
420	10013AA10	2.0000	SQUASH-SUMMER
420	10014AA10	2.0000	SQUASH-SUMMER
420	10014AA21	2.0000	SQUASH-WINTER
420	10014AA31	2.0000	SQUASH-WINTER
420	10017AA21	2.0000	SQUASH-WINTER
420	10020AA00	2.0000	BITTER MELON
420	10020AA00	2.0000	TOWELGOURD
420	11001AA10	2.0000	EGGPLANT
420	11001AA21	2.0000	EGGPLANT
420	11001AA25	2.0000	EGGPLANT
420	11003AA10	2.0000	PEPPERS,SWEET
420	11003AA21	2.0000	PEPPERS,SWEET
420	11003AB00	2.0000	CHILI PEPPERS
420	11003AD10	2.0000	PEPPERS-OTHER
420	11003AD21	2.0000	PEPPERS-OTHER
420	11003AD51	2.0000	PEPPERS-OTHER
420	11005AA10	2.0000	TOMATOES-WHOLE
420	11005AA21	2.0000	TOMATOES-WHOLE
420	11005AA31	2.0000	TOMATOES-WHOLE

	Code	Value	Commodity
420	25003SA21	0.5000	CANE SUGAR
420	25003SA22	0.5000	CANE SUGAR
420	25003SA31	0.5000	CANE SUGAR
420	25003SB10	0.5000	SUGAR-MOLASSES
420	25003SB21	0.5000	SUGAR-MOLASSES
420	25003SB22	0.5000	SUGAR-MOLASSES
420	25003SB31	0.5000	SUGAR-MOLASSES
420	27003OA18	1.0000	COTTONSEED-OIL
420	27003WA18	1.0000	COTTONSEED-MEAL
420	27008AA00	0.2000	SAFFLOWER-SEED
420	27008OA18	0.2000	SAFFLOWER-OIL
420	27017AA00	2.0000	SUNFLOWER-OIL
420	27011OA18	2.0000	RAPE SEED
420	50000B10	0.1000	MILK-NON-FAT SOL
420	50000B21	0.1000	MILK-NON-FAT SOL
420	50000B51	0.1000	MILK-NON-FAT SOL
420	50000FA10	0.5000	CMILK-FAT SOLIDS
420	50000FA21	0.5000	CMILK-FAT SOLIDS
420	50000FA51	0.5000	CMILK-FAT SOLIDS
420	50005A21	0.1000	MILK SUG (LACT)
420	50005A51	0.1000	MILK SUG (LACT)
420	53018BA21	0.2000	BEEF-OTH ORGAN
420	53018BA26	0.2000	BEEF-MEAT BYP
420	53018BB21	0.2000	BEEF-OTH ORGAN
420	53018B51	0.2000	BEEF-DRIED
420	53001DA21	0.2000	BEEF-FAT
420	53001FA10	0.2000	BEEF-FAT
420	53001FA21	0.2000	BEEF-FAT
420	53001FA22	0.2000	BEEF-FAT
420	53001FA23	0.2000	BEEF-FAT
420	53001FA24	0.2000	BEEF-FAT
420	53001FA25	0.2000	BEEF-FAT
420	53001KA21	0.2000	BEEF-KIDNEY
420	53001LA25	0.2000	BEEF-LIVER
420	53001LA31	0.2000	BEEF-LIVER
420	53001MA10	0.2000	BEEF-LEAN
420	53001MA21	0.2000	BEEF-LEAN
420	53001MA22	0.2000	BEEF-LEAN
420	53001MA23	0.2000	BEEF-LEAN
420	53001MA24	0.2000	BEEF-MEAT BYP
420	53001MA25	0.2000	BEEF-LEAN
420	53002MA25	0.2000	GOAT-LEAN
420	53002MA23	0.2000	GOAT-LEAN
420	53002LA00	0.2000	GOAT-LIVER
420	53002KA00	0.2000	GOAT-KIDNEY
420	53002FA25	0.2000	GOAT-FAT
420	53002FA23	0.2000	GOAT-FAT
420	53002BA00	0.2000	GOAT-OTH ORGAN
420	53002AA00	0.2000	GOAT-MEAT BYP
420	53003AA00	0.2000	HORSE
420	53005BA21	0.2000	SHEEP-MEAT BYP
420	53005BB21	0.2000	SHEEP-OTH ORGAN
420	53005FA21	0.2000	SHEEP-FAT
420	53005KA21	0.2000	SHEEP-KIDNEY
420	53005LA00	0.2000	SHEEP-LIVER
420	53005MA21	0.2000	SHEEP-LEAN
420	53005MA31	0.2000	SHEEP-LEAN
420	53005MA33	0.2000	SHEEP-LEAN
420	53006BA21	0.2000	PORK-MEAT BYP
420	53006BB21	0.2000	PORK-OTH ORGAN
420	53006BB26	0.2000	PORK-OTH ORGAN
420	53006FA10	0.2000	PORK-FAT

	Code	Value	Commodity
420	53006FA21	0.2000	PORK-FAT
420	53006FA23	0.2000	PORK-FAT
420	53006FA25	0.2000	PORK-FAT
420	53006FA26	0.2000	PORK-FAT
420	53006KA21	0.2000	PORK-KIDNEY
420	53006LA21	0.2000	PORK-LIVER
420	53006LA23	0.2000	PORK-LIVER
420	53006LA25	0.2000	PORK-LIVER
420	53006MA21	0.2000	PORK-LEAN
420	53006MA25	0.2000	PORK-LEAN
420	53006MA26	0.2000	PORK-LEAN
420	53008BA21	0.2000	PORK-LEAN
420	53008BA26	0.2000	TURKEY-BYP
420	53008BA21	0.2000	TURKEY ORGAN
420	53008LA21	0.0010	TURKEY ORGAN
420	53008LA25	0.0010	TURKEY W/O SKIN
420	53008MA21	0.0010	TURKEY W/O SKIN
420	53008MA31	0.0010	TURKEY W/O SKIN
420	53008MA62	0.0010	TURKEY W/O SKIN
420	53008MB21	0.0010	TURKEY+SKIN
420	53008MB25	0.0010	TURKEY+SKIN
420	53008MC21	0.0010	TURKEY-UNSPEC
420	53013BA00	0.0010	POULTRY,OTH-BYP
420	53013LA25	0.0010	POULTRY,OTH ORGAN
420	53013MA21	0.0010	POULTRY,OTHER
420	53014AA10	0.0010	EGGS-WHOLE
420	53014AA21	0.0010	EGGS-WHOLE
420	53014AA22	0.0010	EGGS-WHOLE
420	53014AA23	0.0010	EGGS-WHOLE
420	53014AA25	0.0010	EGGS-WHOLE
420	53014AB10	0.0010	EGGS-WHITE ONLY
420	53014AB21	0.0010	EGGS-WHITE ONLY
420	53014AB22	0.0010	EGGS-WHITE ONLY
420	53014AB62	0.0010	EGGS-WHITE ONLY
420	53014AB81	0.0010	EGGS-WHITE ONLY
420	53014AC10	0.0010	EGGS-YOLK ONLY
420	53014AC21	0.0010	EGGS-YOLK ONLY
420	53014AC25	0.0010	EGGS-YOLK ONLY
420	53014AC31	0.0010	EGGS-YOLK ONLY
420	53015BA00	0.0010	CHICKEN-BYP
420	53015BA21	0.0010	CHICKEN-ORGAN
420	53015LA21	0.0010	CHICKEN-ORGAN
420	53015LA25	0.0010	CHICKEN-ORGAN
420	53015LA26	0.0010	CHICKEN-W/O SKIN
420	53015HA21	0.0010	CHICKEN-W/O SKIN
420	53015MA21	0.0010	CHICKEN-W/O SKIN
420	53015MA22	0.0010	CHICKEN-W/O SKIN
420	53015MA25	0.0010	CHICKEN-W/O SKIN
420	53015MA31	0.0010	CHICKEN-W/O SKIN
420	53015NA53	0.0010	CHICKEN-W/O SKIN
420	53015MB21	0.0010	CHICKEN+SKIN
420	53015MB25	0.0010	CHICKEN+SKIN

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DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

09:46 Monday, May 1, 1995 14

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******************************************************************************************
*NAME: ENDOSULFAN                 STUDY   RDV       NOEL      SF      STUDY TYPE   SPECIES    EFF. LEV.   CORE GRADE   DOC. NO.*
*CASWELL NO: 420      CFR NO: CFR180.182   A   00000.0001  000030.000  001000  Chronic   Dog      Systemic    Minimum   000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B  00000.4000  000040.000  000100  Terata    Rat      Systemic    Minimum   000001488*
*STATUS CODES!                              C   00000.0180  000036.000  000100  Terata    Rabbit   Systemic    Minimum            *
*RDV INFO:                                      MG/KG of BODY WEIGHT/DAY                        AR DATA:  No User Modifications*
*FILE INFO:  The LD value used in this analysis is 0.007                                                                  *
*           No Tolerance Data Are Used--Without User Modifications.                                                       *
******************************************************************************************
```

U.S. POP.--48 STATES

ESTIMATES BASED ON
  TOLERANCES: ESTIMATED % OF POTENTIAL

                                PERSON DAYS THAT ARE USER-DAYS
ANTICIPATED RESIDUES: 0.00

                                ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
0   99.81

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

                                MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

                                MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
                                     0.000000   0.00
                                     0.011643   166.33

TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
ANTICIPATED RESIDUES: 100 94 85 74 65 56 48 41 35 30 26 13 7   5   1   0

INFANTS(<1 YEAR)

ESTIMATES BASED ON
  TOLERANCES: ESTIMATED % OF POTENTIAL

                                PERSON DAYS THAT ARE USER-DAYS
ANTICIPATED RESIDUES: 0.00

                                ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
0   93.57

                                MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

                                MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
                                     0.000000   0.00
                                     0.039275   561.08

TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
ANTICIPATED RESIDUES: 100 99 96 95 91 85 81 77 73 71 68 58 49 42 18 7   2

CHILDREN(1-6 YRS)

ESTIMATES BASED ON
  TOLERANCES: ESTIMATED % OF POTENTIAL

                                PERSON DAYS THAT ARE USER-DAYS
ANTICIPATED RESIDUES: 0.00

                                ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
0   99.96

                                MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

                                MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
                                     0.000000   0.00
                                     0.025106   358.65

TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
ANTICIPATED RESIDUES: 100 99 98 93 88 83 77 73 68 64 60 44 32 23 5   1   0

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DETAILED ACUTE ANA... INCLUDING AR'S: ALL STATISTICS BASED ON USER... DAILY CONSUMPTION

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***********************************************************************************
*NAME: ENDOSULFAN                  STUDY    RDV     NOEL    %F  STUDY TYPE   SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*    CFR NO: CFR180.182            STUDY                                                                             *
*CASWELL NO: 420                   A  00000.0001 000030.000 001000 Chronic    Dog      Systemic   Minimum   0000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B  00000.4000 000040.000 000100 Terata    Rat      Systemic   Minimum   0000001488*
*STATUS CODES:                     C  00000.0180 000036.000 000100 Terata    Rabbit   Systemic   Minimum             *
*RDV INFO:  The LD value used in this analysis is 0.007   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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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: 99.85   0.008961   128.01

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 | 92 | 81 | 70 | 59 | 49 | 41 | 34 | 28 | 23 | 19 | 7 | 3 | 1 | 0 | 0 | 0 |

MALES(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: 99.95   0.008734   124.77

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 | 93 | 82 | 70 | 59 | 49 | 40 | 33 | 27 | 21 | 17 | 6 | 2 | 1 | 0 | 0 | 0 |

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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*********************************************************************************
*NAME: ENDOSULFAN                                                               *
*CASWELL NO: 420      CFR NO: CFR180.182                                        *
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401                                      *
*STATUS CODES:                                                                  *
*RDV INFO:  The LD value used in this analysis is 0.07                          *
*FILE INFO:   NEW ACTION: User Modifications    APPROVED:Data NOT Used          *
*********************************************************************************
```

	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
STUDY A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	000000000416*	
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000000001688*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	0000001688*

The LD value used in this analysis is 0.07
RDV INFO: MG/KG of BODY WEIGHT/DAY
NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

U.S. POP.--48 STATES

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						
PRIOR TOLERANCES:	0.00		0.000000		0.00					
NEW TOLERANCES:	30.24		0.005252		7.50					

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	8	3	2	1	0	0	0	0	0	0	0	0	0	0	0

INFANTS(<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						
PRIOR TOLERANCES:	0.00		0.000000		0.00					
NEW TOLERANCES:	43.18		0.034810		49.73					

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	67	44	31	20	13	9	5	4	2	2	0	0	0	0	0

CHILDREN(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						
PRIOR TOLERANCES:	0.00		0.000000		0.00					
NEW TOLERANCES:	40.69		0.013285		18.98					

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	32	13	7	4	2	1	1	1	0	0	0	0	0	0	0

Handwritten annotations:

12

MEAN 133

MEAN 20

MEAN MOE 53

92% / 50

****

*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.07
*FILE INFO:
  NEW ACTION: User Modifications

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000050.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

MG/KG of BODY WEIGHT/DAY

APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

****

FEMALES(13+ YRS)

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

ESTIMATES BASED ON
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	26.73	0.003081	4.40

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MALES(13+ YRS)

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

ESTIMATES BASED ON
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	29.02	0.002649	3.78

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

****

*NAME: ENDOSULFAN

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 420	CFR NO: CFR180.182	A	00000.0001 000030.000 001000	Chronic	Dog	Systemic		000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401		B	00000.4000 000040.000 000100	Terata	Rat	Systemic	Minimum	0000001488*
*STATUS CODES:		C	00000.0180 000036.000 000100	Terata	Rabbit	Systemic	Minimum	*

*RDV INFO: The LD value used in this analysis is 0.07   MG/KG of BODY WEIGHT/DAY

*FILE INFO: NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

****

LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY. MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

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

FOOD CODE	DESCRIPTION	: NUMBER OF CONSUMER : DAYS AS PERCENT OF : POTENTIAL PERSON DAYS	: TOLERANCE VALUE(PPM) & TYPE : : : PUBLISHED APPROVED NEW :	: FOOD CONTRIBUTION : TO EXPOSURE : (UG/KG BODY WT PER DAY)
			: : PRIOR TOL. NEW TOL.	

MENU CATEGORY 10: FRUITS

04001AA APPLES-FRESH	16.05 :	2.0000 :	5.752835
04001DA APPLES-DRIED	0.09 :	2.0000 :	3.959895
04001JA APPLES-JUICE	17.85 :	2.0000 :	3.706271

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
****
*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications
POPULATION = MALES(13+ YRS)
FOOD
CODE   DESCRIPTION

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	0000000416*
	A	00000.4000	000040.000	000100	Chronic	Rat	Systemic	Minimum	0000001488*
	B	0000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	
	C	00000.0180	000036.000	000100	Terata				

MG/KG of BODY WEIGHT/DAY
RDV INFO: The LD value used in this analysis is 0.007   MG/KG of BODY WEIGHT/DAY
NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
APPROVED:Data NOT Used

: NUMBER OF CONSUMER   : TOLERANCE VALUE(PPM) & TYPE : (UG/KG BODY WT PER DAY)
: DAYS AS PERCENT OF   :------------------------------
: POTENTIAL PERSON DAYS   : PUBLISHED APPROVED   NEW : PRIOR TOL.   NEW TOL.

MENU CATEGORY 8: TOMATOES

FOOD CODE		PUBLISHED	APPROVED	NEW	PRIOR TOL.	NEW TOL.
11005AA TOMATOES-WHOLE	40.63	:	:	2.0000	:	2.104104
11005JA TOMATOES-JUICE	2.37	:	:	2.0000	:	8.006531
11005RA TOMATOES-PUREE	15.11	:	:	2.0000	:	6.315381
11005TA TOMATOES-PASTE	11.76	:	:	2.0000	:	2.872424

U.S. POP.--48 STATES

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
  PRIOR TOLERANCES: 0.00   0.000000   0.00
  NEW TOLERANCES: 49.63   0.005500   78.57

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

| PRIOR TOLERANCES: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW TOLERANCES: | 100 | 68 | 50 | 39 | 31 | 25 | 21 | 17 | 14 | 12 | 10 | 4 | 2 | 1 | 0 | 0 |

INFANTS(<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
  PRIOR TOLERANCES: 0.00   0.000000   0.00
  NEW TOLERANCES: 29.04   0.005716   81.66

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

| PRIOR TOLERANCES: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW TOLERANCES: | 100 | 76 | 42 | 28 | 20 | 16 | 14 | 13 | 11 | 9 | 9 | 6 | 4 | 3 | 1 | 0 |

CHILDREN(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
  PRIOR TOLERANCES: 0.00   0.000000   0.00
  NEW TOLERANCES: 43.04   0.011840   169.14

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

| PRIOR TOLERANCES: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW TOLERANCES: | 100 | 79 | 69 | 62 | 56 | 50 | 45 | 40 | 37 | 33 | 30 | 18 | 11 | 6 | 1 | 0 |

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

****
*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications
****

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
	C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

MG/KG of BODY WEIGHT/DAY
MG/KG of BODY WEIGHT/DAY
APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
****

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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 50.50   0.004355   62.21

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

PRIOR TOLERANCES:
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
NEW TOLERANCES:
| 100 | 64 | 46 | 34 | 26 | 20 | 16 | 12 | 10 | 8 | 6 | 2 | 1 | 0 | 0 | 0 | 0 |

MALES(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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 51.33   0.004553   65.04

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

PRIOR TOLERANCES:
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
NEW TOLERANCES:
| 100 | 65 | 47 | 36 | 28 | 22 | 17 | 13 | 10 | 8 | 6 | 2 | 1 | 0 | 0 | 0 | 0 |

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7   SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000036.000	000100 Terata	Rabbit	Systemic	Minimum	

MG/KG of BODY WEIGHT/DAY
APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

		TOLERANCE VALUE(PPM) & TYPE :	TO EXPOSURE (UG/KG BODY WT PER DAY)
: NUMBER OF CONSUMER	:	APPROVED	NEW : PRIOR TOL. : NEW TOL.
: DAYS AS PERCENT OF	:		
: POTENTIAL PERSON DAYS	:		

MENU CATEGORY 10: FRUITS

FOOD CODE	DESCRIPTION	: MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY			
01014AA	GRAPES-FRESH	7.93	:	2.0000 :	1.110928
01014DA	GRAPES-RAISINS	6.78	:	2.0000 :	2.168552
01014JA	GRAPES-JUICE	13.10	:	2.0000 :	1.678316

MENU CATEGORY 13: MISCELLANEOUS FOODS

| 43058AA | WINE AND SHERRY | 2.76 | : | 2.0000 : | 5.943728 |

U.S. POP.--48 STATES

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

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

	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
0	0.00	0.000000	0.00
	26.76	0.002312	33.04

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	26	19	15	11	9	7	6	5	4	4	2	1	0	0	0	0

95th %ile MOE = 63

INFANTS(<1 YEAR)

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

	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
0	0.00	0.000000	0.00
	4.93	0.010092	144.17

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	50	32	26	24	23	22	22	22	22	21	16	14	9	2	1	0

91st %ile MOE = 20

CHILDREN(1-6 YRS)

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

	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
0	0.00	0.000000	0.00
	34.73	0.005135	73.36

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	37	24	20	19	18	17	16	15	14	13	9	5	3	0	0	0

95th %ile MOE = 25

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DETAILED ACUTE ... : ALL STATISTICS BASED ... USERS' ... CONSUMPTION
****

*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD Value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications
             APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

MG/KG of BODY WEIGHT/DAY
****

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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 24.55   0.001986   28.37

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	26	21	16	12	9	7	5	4	3	2	1	0	0	0	0

95th %ile MOE = 71

MALES(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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 26.65   0.001584   22.62

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	22	16	12	8	6	4	3	2	2	1	0	0	0	0	0

94th %ile MOE = 83

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*********************************************************************************************
*NAME: ENDOSULFAN                  STUDY   RDV       NOEL      SF     STUDY TYPE  SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*CASWELL NO: 420       CFR NO: CFR180.182    A  00000.0001 000030.000 001000  Chronic   Dog    Systemic    Minimum  000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401  B  00000.4000 000040.000 000100  Terata   Rat    Systemic    Minimum  0000001488*
*                                            C  00000.0180 000036.000 000100  Terata   Rabbit  Systemic   Minimum           *
*STATUS CODES:                                        MG/KG   of BODY WEIGHT/DAY                                           *
*RDV INFO: The LD  value used in this analysis is  0.007    PUBLISHED:Data NOT Used                                        *
*FILE INFO:  NEW ACTION: User Modifications        APPROVED:Data NOT Used                                                  *
*********************************************************************************************

MENU CATEGORY 10: FRUITS

                                        : NUMBER OF CONSUMER    : TOLERANCE VALUE(PPM) & TYPE :
FOOD                                    : DAYS AS PERCENT OF    :----------------------------:     TO EXPOSURE
CODE   DESCRIPTION                      : POTENTIAL PERSON DAYS : PUBLISHED  APPROVED   NEW   : (UG/KG BODY WT PER DAY)
                                        :                      : PRIOR TOL.            NEW TOL.
POPULATION = MALES(13+ YRS)             :                      :
05004AA PEACHES-FRESH                          19.33          :    2.0000              :      1.307023
05004DA PEACHES-DRIED                           0.01          :    2.0000              :     12.858806

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                                        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
   PRIOR TOLERANCES:           0.00                         0.000000                 0.00
   NEW TOLERANCES:            19.60                         0.002214                31.63
0  ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                     .2  .4  .6  .8   1  1.2  1.4  1.6  1.8   2   3   4   5  10  15  20
PRIOR TOLERANCES:     0   0   0   0   0    0    0    0    0   0   0   0   0   0   0   0
NEW TOLERANCES:     100  34  24  17  11    8    6    5    4   3   1   0   0   0   0   0

95th percentile MOE = 71

INFANTS(<1 YEAR)

                                        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
   PRIOR TOLERANCES:           0.00                         0.000000                 0.00
   NEW TOLERANCES:            17.49                         0.021855               312.22
0  ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                     .2  .4  .6  .8   1  1.2  1.4  1.6  1.8   2   3   4   5  10  15  20
PRIOR TOLERANCES:     0   0   0   0   0    0    0    0    0   0   0   0   0   0   0   0
NEW TOLERANCES:     100  95  92  90  88   83   78   74   72  67  61  47  31  18   0   0

95th percentile MOE = 33

CHILDREN(1-6 YRS)

                                        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
   PRIOR TOLERANCES:           0.00                         0.000000                 0.00
   NEW TOLERANCES:            25.53                         0.003932                56.18
0  ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
                     .2  .4  .6  .8   1  1.2  1.4  1.6  1.8   2   3   4   5  10  15  20
PRIOR TOLERANCES:     0   0   0   0   0    0    0    0    0   0   0   0   0   0   0   0
NEW TOLERANCES:     100  35  30  25  22   19   17   14   12  11   9   5   2   1   0   0

95th percentile MOE = 33
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DETAILED ACUTE ANALYSIS BASED ON CHRONIC STATISTICS

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****************************************************************************************
*NAME: ENDOSULFAN
*CASWELL NO: 420    CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO:  The LD value used in this analysis is  0.007
*FILE INFO:
*            NEW ACTION: User Modifications     APPROVED:Data NOT Used
****************************************************************************************
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STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic		000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

RDV INFO: The LD value used in this analysis is 0.007
NEW ACTION: User Modifications   APPROVED:Data NOT Used
PUBLISHED:Data NOT Used

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

OFEMALES(13+ YRS)

ESTIMATED % OF POTENTIAL

ESTIMATES BASED ON		MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV
PRIOR TOLERANCES: PERSON DAYS THAT ARE USER-DAYS		0.00		0.00
NEW TOLERANCES:		0.001685		24.08

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES: 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES: 100	34	23	15	8	4	3	2	1	1	1	0	0	0	0	0	0

96th percentile MOE = 100

MALES(13+ YRS)

ESTIMATED % OF POTENTIAL

ESTIMATES BASED ON		MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV
PRIOR TOLERANCES: PERSON DAYS THAT ARE USER-DAYS		0.000000		0.00
NEW TOLERANCES:		0.001314		18.77

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES: 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES: 100	29	19	10	5	3	2	1	1	0	0	0	0	0	0	0	0

95th percentile MOE = 125

20

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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*****************************************************************************************
*NAME: ENDOSULFAN                                                          EFF. LEV.  CORE GRADE  DOC. NO.*
*                   STUDY    RDV      NOEL       SF    STUDY TYPE  SPECIES                            *
*CASWELL NO: 420    CFR NO: CFR180.182  A  00000.0001 000030.000 001000 chronic   Dog     Systemic  000000004416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B  00000.4000 000040.000 000100 Terata  Rat     Systemic  Minimum  00000001488*
*                            C  00000.0180 000036.000 000100 Terata  Rabbit  Systemic  Minimum  00000001488*
*STATUS CODES:                                                                                      *
*RDV INFO:  The LD  value used in this analysis is  0.007   MG/KG  of BODY WEIGHT/DAY               *
*FILE INFO:  NEW ACTION: User Modifications        APPROVED:Data NOT Used   PUBLISHED:Data NOT Used  *
*****************************************************************************************
```

POPULATION = MALES(13+ YRS)   : NUMBER OF CONSUMER   : TOLERANCE VALUE(PPM) & TYPE :   TO EXPOSURE
FOOD   : DAYS AS PERCENT OF   : (UG/KG BODY WT PER DAY)
CODE   DESCRIPTION   : POTENTIAL PERSON DAYS : PUBLISHED APPROVED   NEW : PRIOR TOL.   NEW TOL.

MENU CATEGORY 7: STARCHY VEG., INCL. RICE, SWEETPOTATO

FOOD CODE	DESCRIPTION		TOLERANCE VALUE		PRIOR TOL.	NEW TOL.
14013AA	POTATOES(WHITE)-WHOLE	15.88	:	0.2000 :	0.400686	
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.58	:	0.2000 :	0.002278	
14013AC	POTATOES(WHITE)-PEELED	47.52	:	0.2000 :	0.298131	
14013DA	POTATOES(WHITE)-DRY	0.04	:	0.2000 :	1.025497	
14013HA	POTATOES(WHITE)-PEEL ONLY	0.01	:	0.2000 :	0.078645	

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	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			
PRIOR TOLERANCES:	56.22			0.000404		5.77			
NEW TOLERANCES:	0.00			0.000000		0.00			
ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	.2	.4	.6	.8	1	1.2 1.4 1.6 1.8 2 3 4 5 10 15 20
0						

INFANTS(<1 YEAR)

	ESTIMATED % OF POTENTIAL			MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY					
PRIOR TOLERANCES:	0	3	0	0	0	0
NEW TOLERANCES:	100	3	0	0	0	0

ESTIMATES BASED ON
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS
0.00
0.00

MG/KG BODY WEIGHT/DAY
0.000000
0.000623

AS PERCENT OF RDV
0.00
8.90

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
.2 .4 .6 .8 1 1.2 1.4 1.6 1.8 2 3 4 5 10 15 20
0

CHILDREN(1-6 YRS)

	ESTIMATED % OF POTENTIAL			MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY		
PRIOR TOLERANCES:	0	12	0	0	0	0
NEW TOLERANCES:	100	12	4	1	1	0

ESTIMATES BASED ON
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS
38.34
0.00

MG/KG BODY WEIGHT/DAY
0.000623
0.000751

AS PERCENT OF RDV
8.90
10.73

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
.2 .4 .6 .8 1 1.2 1.4 1.6 1.8 2 3 4 5 10 15 20
0

	ESTIMATED % OF POTENTIAL					
PRIOR TOLERANCES:	0	15	0	0	0	0
NEW TOLERANCES:	100	15	2	1	0	0

ESTIMATES BASED ON
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS
0.00
59.99

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
MG/KG BODY WEIGHT/DAY
0.000000
0.000751

AS PERCENT OF RDV
0.00
10.73

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
.2 .4 .6 .8 1 1.2 1.4 1.6 1.8 2 3 4 5 10 15 20
0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
****
*NAME: ENDOSULFAN
*   CFR NO: CFR180.182
*CASWELL NO: 420
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications
****

STUDY	RDV.	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000004416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	000000014488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	*

MG/KG   of BODY WEIGHT/DAY
APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
****

0 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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 52.38   0.000321   4.58

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

100

0 MALES(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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 59.52   0.000346   4.94

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

100

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
****

*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000035.000	000100	Terata	Rabbit	Systemic	Minimum	

APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

	MG/KG of BODY WEIGHT/DAY	
: NUMBER OF CONSUMER	: TOLERANCE VALUE(PPM) & TYPE:	: TO EXPOSURE
: DAYS AS PERCENT OF	:	: (UG/KG BODY WT PER DAY)
: POTENTIAL PERSON DAYS	: PUBLISHED APPROVED	: NEW PRIOR TOL. NEW TOL.

POPULATION = MALES(13+ YRS)

FOOD
CODE   DESCRIPTION

50000FA MILK-FAT SOLIDS

MENU CATEGORY 5: MILK: FAT SOLIDS   98.01   :   : 0.5000   :   1.243832

500005DB MILK-NON-FAT SOLIDS
500005A MILK SUGAR (LACTOSE)

MENU CATEGORY 4: MILK: NON-FAT SOLIDS   97.83   :   0.1000 :   :   0.450473
                                                        0.01   :   0.1000 :   :   0.014592

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ESTIMATED % OF POTENTIAL

	MG/KG BODY WEIGHT/DAY							AS PERCENT OF RDV							
PERSON DAYS THAT ARE USER-DAYS	0.00							0.00							
	97.57							35.60							
	0.000000														
ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=															
.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

ESTIMATES BASED ON
PRIOR TOLERANCES: 0   53   28   17   11   7   5   3   2   1   0   0   0   0   0   0
NEW TOLERANCES: 100   .2   .4   .6   .8   1   1.2   1.4   1.6   1.8   2   3   4   5   10   15   20

INFANTS(<1 YEAR)

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV
PERSON DAYS THAT ARE USER-DAYS	0.00		0.00
	86.75		152.73
	0.010691		

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
.2   .4   .6   .8   1   1.2   1.4   1.6   1.8   2   3   4   5   10   15   20

ESTIMATES BASED ON
PRIOR TOLERANCES: 0   94   88   78   66   55   47   41   36   33   29   11   4   2   0   0   0
NEW TOLERANCES: 100   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

CHILDREN(1-6 YRS)

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV
PERSON DAYS THAT ARE USER-DAYS	0.000000		0.00
	99.22		99.45
	0.006961		

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
.2   .4   .6   .8   1   1.2   1.4   1.6   1.8   2   3   4   5   10   15   20

ESTIMATES BASED ON
PRIOR TOLERANCES: 0   93   82   68   54   41   31   22   16   12   8   1   0   0   0   0   0
NEW TOLERANCES: 100   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

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****
*NAME: ENDOSULFAN
*CASWELL NO: 490   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
****

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000416
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	000001488
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

1 MG/KG of BODY WEIGHT/DAY

****

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

PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 96.80   0.001423   20.33

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	39	13	4	2	1	0	0	0	0	0	0	0	0	0	0	0

MALES(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

PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 98.01   0.001693   24.19

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	46	18	7	3	1	1	0	0	0	0	0	0	0	0	0	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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****************************************************************************************
*NAME: ENDOSULFAN              STUDY  RDV    NOEL      SF   STUDY TYPE   SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*         CFR NO: CFR180.182     A  00000.0001 00003p.000 001000 Chronic   Dog    Systemic   Minimum   00000000416*
*CASWELL NO: 420                 B  00000.4000 000040.000 000100 Terata    Rat    Systemic   Minimum   000000001488*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401   C  00000.0180 000036.000 000100 Terata  Rabbit  Systemic  Minimum
*STATUS CODES:                            MG/KG  of BODY WEIGHT/DAY
*RDV INFO:  The LD value used in this analysis is  0.007    MG/KG  of BODY WEIGHT/DAY
*FILE INFO:        NEW ACTION: User Modifications       PUBLISHED:Data NOT Used
*                         APPROVED:Data NOT Used       PUBLISHED:Data NOT Used
****************************************************************************************
```

POPULATION = MALES(13+ YRS)   : NUMBER OF CONSUMER   : TOLERANCE VALUE(PPM) & TYPE : (UG/KG BODY WT PER DAY)
FOOD   : DAYS AS PERCENT OF   : -------------------------   TO EXPOSURE
CODE   DESCRIPTION   : POTENTIAL PERSON DAYS   : PUBLISHED APPROVED NEW : PRIOR TOL.   NEW TOL.

MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA

10013AA SQUASH-SUMMER   1.67 :   : 2.0000 :   3.388611
10014AA SQUASH-WINTER   1.05 :   : 2.0000 :   4.783557

U.S. POP.--48 STATES

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

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON   0.000000   0.00
PRIOR TOLERANCES: 0.00   0.005063   72.32
NEW TOLERANCES: 2.51

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
PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100 87 69 45 30 20 13 10   8   6   4   2   1   0   0   0   0

INFANTS(<1 YEAR)

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

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON   0.000000   0.00
PRIOR TOLERANCES: 0.00   0.014000   200.00
NEW TOLERANCES: 5.03

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
PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100 100 99 94 86 77 65 55 52 47 35 13   8   3   1   0   0

CHILDREN(1-6 YRS)

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

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON   0.000000   0.00
PRIOR TOLERANCES: 0.00   0.011431   163.30
NEW TOLERANCES: 1.32

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
PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100 92 86 79 69 60 52 49 45 34 28 15   6   3   0   0   0

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DETAILED ACUTE ANAL... ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

```
********************************************************************************
*NAME: ENDOSULFAN          CFR NO: CFR180.182    STUDY  RDV      NOEL     SF   STUDY TYPE  SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*CASWELL NO: 420                                   A  00000.0001 000030.000 001000 Chronic    Dog     Systemic   Minimum    000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401         B  00000.4000 000040.000 000100 Terata     Rat     Systemic   Minimum    0000001488*
*STATUS CODES:                                     C  00000.0180 000036.000 000100 Terata     Rabbit  Systemic   Minimum              *
*RDV INFO:  The LD value used in this analysis is  0.007        MG/KG  of BODY WEIGHT/DAY                                             *
*FILE INFO:  NEW ACTION: User Modifications        APPROVED:Data NOT Used     PUBLISHED:Data NOT Used                                 *
********************************************************************************
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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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 2.91   0.004593   65.62

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

PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100   87   69   42   28   18   11   7   5   4   3   1   0   0   0   0   0

MALES(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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 2.69   0.003955   56.50

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

PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100   84   63   39   22   11   6   3   1   1   0   0   0   0   0   0   0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

13:38 Thursday, May 18, 1995   6

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*NAME: ENDOSULFAN                                      STUDY    RDV      NOEL         SF    STUDY TYPE   SPECIES   EFF. LEV.  CORE GRADE  DOC. NO.*
*CASWELL NO: 420        CFR NO: CFR180.182         A  00000.0001 000030.000 001000 Chronic    Dog      Systemic   Minimum    000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401         B  00000.4000 000040.000 000100 Terata     Rat      Systemic   Minimum    000001488*
*STATUS CODES:                                     C  00000.0180 000036.000 000100 Terata     Rabbit   Systemic   Minimum              *
*RDV INFO:  The LD value used in this analysis is 0.007      MG/KG  of BODY WEIGHT/DAY                                                  *
*FILE INFO:    NEW ACTION: User Modifications          APPROVED:Data NOT Used         PUBLISHED:Data NOT Used                          *
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MENU CATEGORY 10: FRUITS

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FOOD
CODE   DESCRIPTION                                        : NUMBER OF CONSUMER       : TOLERANCE VALUE(PPM) & TYPE : (UG/KG BODY WT PER DAY)
01016AA STRAWBERRIES                                       : DAYS AS PERCENT OF       :                             :    TO EXPOSURE
                                                           : POTENTIAL PERSON DAYS    : PUBLISHED  APPROVED  NEW  : PRIOR TOL.  NEW TOL.
POPULATION = MALES(13+ YRS)
                                                           :      15.32          :              :   2.0000  :              : 0.403418
```

U.S. POP.--48 STATES

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	
PRIOR TOLERANCES:	0.00	0.000000		0.00	
NEW TOLERANCES:	14.54	0.000482		6.88	

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

PRIOR TOLERANCES: 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW TOLERANCES: 100 9 5 3 2 1 1 0 0 0 0 0 0 0 0 0 0

INFANTS(<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	
PRIOR TOLERANCES:	0.00	0.000000		0.00	
NEW TOLERANCES:	1.03	0.004362		62.32	

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

PRIOR TOLERANCES: 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW TOLERANCES: 100 18 18 18 18 18 18 18 18 18 18 13 5 0 0 0 0

CHILDREN(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	
PRIOR TOLERANCES:	0.00	0.000000		0.00	
NEW TOLERANCES:	17.86	0.000687		9.81	

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

PRIOR TOLERANCES: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW TOLERANCES: 100 7 5 4 3 3 2 2 2 1 1 0 0 0 0 0 0

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*NAME: ENDOSULFAN	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 420	CFR NO: CFR180.182	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	0000000416*
*CAS NO: 00115-29-7	SHAUGHNESSY NO: 079401	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
*STATUS CODES:		C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	0000001488*
*RDV INFO:	The LD value used in this analysis is 0.007			MG/KG of BODY WEIGHT/DAY					
*FILE INFO:	NEW ACTION: User Modifications	APPROVED:Data NOT Used	PUBLISHED:Data NOT Used					

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FEMALES(13+ YRS)

	ESTIMATED % OF POTENTIAL			MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY										
	PERSON DAYS THAT ARE USER-DAYS			MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV							
ESTIMATES BASED ON														
PRIOR TOLERANCES:	0.00			0.000000			0.00							
NEW TOLERANCES:	13.09			0.000472			6.74							
	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=													
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0

PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	10	6	3	1	1	1	0	0	0	0	0	0	0	0	0

MALES(13+ YRS)

	ESTIMATED % OF POTENTIAL			MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY										
	PERSON DAYS THAT ARE USER-DAYS			MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV							
ESTIMATES BASED ON														
PRIOR TOLERANCES:	0.00			0.000000			0.00							
NEW TOLERANCES:	15.32			0.000403			5.76							
	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=													
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	8	5	2	1	0	0	0	0	0	0	0	0	0	0	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
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		STUDY	RDV	SF	NOEL	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*NAME: ENDOSULFAN										
*CASWELL NO: 420	CFR NO: CFR180.182	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401		B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
*STATUS CODES:		C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	
*RDV INFO: The LD value used in this analysis is 0.007				MG/KG of BODY WEIGHT/DAY						
*FILE INFO: NEW ACTION: User Modifications APPROVED:Data NOT Used PUBLISHED:Data NOT Used										

LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY. MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER,OIL)

MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA		
POPULATION = MALES(13+ YRS)	: NUMBER OF CONSUMER	: TOLERANCE VALUE(PPM) & TYPE : FOOD CONTRIBUTION
FOOD	: DAYS AS PERCENT OF	: (UG/KG BODY WT PER DAY) TO EXPOSURE
CODE DESCRIPTION	: POTENTIAL PERSON DAYS	: PUBLISHED APPROVED NEW : PRIOR TOL. NEW TOL.
13005AA BROCCOLI	2.60 : :	: 2.0000 : : 3.213989

U.S. POP.--48 STATES

		MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV	
ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY			
PRIOR TOLERANCES:	PERSON DAYS THAT ARE USER-DAYS	0.000000		0.00	
NEW TOLERANCES:	2.68	0.003750		53.29	

		ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=								
0	ESTIMATED	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	83	55	32	18	10	6	4	3	2	1	0	0	0	0	0	0

INFANTS(<1 YEAR)

		MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV	
ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY			
PRIOR TOLERANCES:	PERSON DAYS THAT ARE USER-DAYS	0.000000		0.00	
NEW TOLERANCES:	0.67	0.007604		108.62	

		ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=								
0	ESTIMATED	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	74	74	65	65	46	46	16	9	9	9	0	0	0	0	0	0

CHILDREN(1-6 YRS)

		MG/KG BODY WEIGHT/DAY		AS PERCENT OF RDV	
ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY			
PRIOR TOLERANCES:	PERSON DAYS THAT ARE USER-DAYS	0.000000		0.00	
NEW TOLERANCES:	1.96	0.006893		98.47	

		ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=								
0	ESTIMATED	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	89	80	70	58	44	33	21	16	10	6	2	0	0	0	0	0

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STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic		000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	000001488*

RDV INFO: The LD value used in this analysis is 0.007

APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

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

| PRIOR TOLERANCES: | 0.00 | | | | 0.000000 | | | | 0.00 |
| NEW TOLERANCES: | 3.09 | | | | 0.003431 | | | | 49.01 |

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
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	83	55	29	16	6	3	2	1	1	0	0	0	0	0	0	0

MALES(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

| PRIOR TOLERANCES: | 0.00 | | | | 0.000000 | | | | 0.00 |
| NEW TOLERANCES: | 2.60 | | | | 0.003214 | | | | 45.91 |

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
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	81	47	25	10	6	3	2	1	1	0	0	0	0	0	0	0

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

```
                        STUDY  RDV      NOEL              SF   STUDY TYPE   SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*NAME: ENDOSULFAN                                                                                                    *
*CASWELL NO: 420        A  00000.0001 000030.000 001000 Chronic     Dog      Systemic   0000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401  B  00000.4000 000040.000 000100 Terata      Rat      Systemic   Minimum    000001488*
*STATUS CODES:          C  00000.0180 000036.000 000100 Terata      Rabbit   Systemic   Minimum    000001488*
*RDV INFO: The LD value used in this analysis is  0.007            MG/KG  of BODY WEIGHT/DAY
*FILE INFO:  NEW ACTION: User Modifications           APPROVED:Data NOT Used    PUBLISHED:Data NOT Used
```

POPULATION = MALES(13+ YRS)

```
FOOD                                           : NUMBER OF CONSUMER  : TOLERANCE VALUE(PPM) & TYPE :        :    TO EXPOSURE
CODE      DESCRIPTION                          : DAYS AS PERCENT OF  :                            : (UG/KG BODY WT PER DAY)
                                               : POTENTIAL PERSON DAYS: PUBLISHED  APPROVED   NEW  :  PRIOR TOL.   NEW TOL.
```

MENU CATEGORY 10: FRUITS

```
06013AA PINEAPPLE-FRESH,PULP                      3.28        2.0000  :         :    1.171501
06013DA PINEAPPLE-DRIED                           0.01        2.0000  :         :    3.854625
06013JA PINEAPPLE-FRESH,JUICE                     1.04        2.0000  :         :    6.006528
```

U.S. POP.--48 STATES

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

ESTIMATES BASED ON
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 4.71   0.004042   57.74

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
```
                  .2   .4  .6  .8   1  1.2  1.4  1.6  1.8   2   3   4   5  10  15  20
0                  0    0   0   0    0   0    0    0    0    0   0   0   0   0   0   0
PRIOR TOLERANCES:  0    0
NEW TOLERANCES:  100   49  34  26   20  16   12   10    9    7   6   3   2   1   0   0
```

INFANTS(<1 YEAR)

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

```
                  PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON
PRIOR TOLERANCES:     0.00        0.000000        0.00
NEW TOLERANCES:       7.95        0.010487        149.81
```

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
```
                  .2   .4  .6  .8   1  1.2  1.4  1.6  1.8   2   3   4   5  10  15  20
0                  0    0   0   0    0   0    0    0    0    0   0   0   0   0   0   0
PRIOR TOLERANCES:  0    0
NEW TOLERANCES:  100   76  53  46   37  34   30   26   24   22  21  16  12   7   2   0
```

CHILDREN(1-6 YRS)

ESTIMATED % OF POTENTIAL

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

```
                  PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON
PRIOR TOLERANCES:     0.00        0.000000        0.00
NEW TOLERANCES:       5.36        0.011130        159.00
```

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
```
                  .2   .4  .6  .8   1  1.2  1.4  1.6  1.8   2   3   4   5  10  15  20
0                  0    0   0   0    0   0    0    0    0    0   0   0   0   0   0   0
PRIOR TOLERANCES:  0    0
NEW TOLERANCES:  100   67  52  47   44  41   38   35   30   27  25  16  11   8   2   0
```

DETAILED ACUTE ANALYSIS, OLD STATISTICS...

*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 0794401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000004.16*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	0000001488*

RDV   MG/KG of BODY WEIGHT/DAY
APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

FEMALES(13+ YRS)

ESTIMATES BASED ON   ESTIMATED % OF POTENTIAL   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
0.00   0.000000   0.00
4.42   0.002922   41.75

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	49	33	21	15	11	8	7	5	4	3	1	0	0	0	0	0
	100															

MALES(13+ YRS)

ESTIMATES BASED ON   ESTIMATED % OF POTENTIAL   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
PRIOR TOLERANCES:
NEW TOLERANCES:

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
0.00   0.000000   0.00
4.16   0.002432   34.74

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	43	28	20	13	8	5	5	3	2	1	0	0	0	0	0	0
	100															

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

```
*NAME: ENDOSULFAN
*CASWELL NO: 420    CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD  value used in this analysis is  0.007
*FILE INFO:
```

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000004416*
	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	000001488*
	C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

NEW ACTION: User Modifications
APPROVED: Data NOT Used   PUBLISHED: Data NOT Used

	: NUMBER OF CONSUMER	: TOLERANCE VALUE(PPM) & TYPE	: (UG/KG BODY WT PER DAY)
	: DAYS AS PERCENT OF :	----------------------	TO EXPOSURE
	: POTENTIAL PERSON DAYS	: PUBLISHED APPROVED NEW : PRIOR TOL. NEW TOL.	

MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA

POPULATION = MALES(13+ YRS)

FOOD CODE   DESCRIPTION
13024AA SPINACH

U.S. POP. --48 STATES

	:	3.95	:	:	2.0000	:	:	1.898549

ESTIMATED % OF POTENTIAL

	PERSON DAYS THAT ARE USER-DAYS
ESTIMATES BASED ON	
PRIOR TOLERANCES:	0.00
NEW TOLERANCES:	3.84

0

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
ESTIMATED 0   .2   .4   .6   .8   1   1.2   1.4   1.6   1.8   2   3   4   5   10   15   20

PRIOR TOLERANCES: 0 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100 44 32 19 12   7   5   3   2   2   1   0   0   0   0   0   0

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.002238	31.97

INFANTS(<1 YEAR)

ESTIMATED % OF POTENTIAL

	PERSON DAYS THAT ARE USER-DAYS
ESTIMATES BASED ON	
PRIOR TOLERANCES:	0.00
NEW TOLERANCES:	1.64

0

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
ESTIMATED 0   .2   .4   .6   .8   1   1.2   1.4   1.6   1.8   2   3   4   5   10   15   20

PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100 94 91 88 82 69   69   64   54   52 52 31 18   7   0   0   0

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.015652	223.59

CHILDREN(1-6 YRS)

ESTIMATED % OF POTENTIAL

	PERSON DAYS THAT ARE USER-DAYS
ESTIMATES BASED ON	
PRIOR TOLERANCES:	0.00
NEW TOLERANCES:	2.86

0

ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
ESTIMATED 0   .2   .4   .6   .8   1   1.2   1.4   1.6   1.8   2   3   4   5   10   15   20

PRIOR TOLERANCES: 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100 43 40 33 29 23   19   15   11   9   5   1   0   0   0   0   0

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.003704	52.91

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STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

RDV = 0.007   MG/KG of BODY WEIGHT/DAY

APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 3.62   0.002108   30.11

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	48	35	17	11	5	2	1	1	0	0	0	0	0	0	0

MALES(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
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 3.95   0.001899   27.12

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	45	28	17	8	3	2	1	1	0	0	0	0	0	0	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

09:53 Friday, May 19, 1995   6

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************************************************************************************************
*NAME: ENDOSULFAN
*CASWELL NO: 420      CFR NO: CFR180.182
*CAS NO: 000115-29-7  SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO:  The LD value used in this analysis is  0.007
*FILE INFO:   NEW ACTION: User Modifications
*
```

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000004416*
B	00000.4000	0000400.000	000100	Terata	Rat	Systemic	Minimum	000000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

RDV   MG/KG of BODY WEIGHT/DAY
APPROVED: Data NOT Used   PUBLISHED: Data NOT Used

```
LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY, MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)
************************************************************************************************
```

POPULATION = MALES(13+ YRS)

FOOD CODE	DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS			TOLERANCE VALUE(PPM) & TYPE PUBLISHED APPROVED NEW			FOOD CONTRIBUTION TO EXPOSURE (UG/KG BODY WT PER DAY) PRIOR TOL. NEW TOL.

MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA

15002AA	BEANS-SUCCULENT-LIMA	2.66	:	:	2.0000 :	2.008587
15003AA	BEANS-SUCCULENT-GREEN	12.62	:	:	2.0000 :	2.543144
15003AB	BEANS-SUCCULENT-OTHER	1.28	:	:	2.0000 :	4.202728
15003AC	BEANS-SUCCULENT-YELLOW,WAX	0.38	:	:	2.0000 :	2.300250

U.S. POP.--48 STATES

	ESTIMATED % OF POTENTIAL											
	PERSON DAYS THAT ARE USER-DAYS											
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00											
NEW TOLERANCES:	14.83											

	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	MG/KG BODY WEIGHT/DAY	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2
	AS PERCENT OF RDV	2	3	4	5	10	15	20

	.2	.4	.6	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	81	47	26	14	9	6	4	3	2	2	1	0	0	0	0

INFANTS(<1 YEAR)

	ESTIMATED % OF POTENTIAL		
	PERSON DAYS THAT ARE USER-DAYS		
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00		
NEW TOLERANCES:	10.12		

	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	MG/KG BODY WEIGHT/DAY	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2
	AS PERCENT OF RDV	0.015626				223.23

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	97	90	85	82	77	70	66	58	53	48	26	13	6	1	0	0

CHILDREN(1-6 YRS)

	ESTIMATED % OF POTENTIAL		
	PERSON DAYS THAT ARE USER-DAYS		
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00		
NEW TOLERANCES:	13.76		

	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
	MG/KG BODY WEIGHT/DAY	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2
	AS PERCENT OF RDV	0.006437				91.96

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	89	77	61	47	34	23	16	12	9	8	2	1	0	0	0	0

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DIETARY RISK ANALYSIS: ALL STUDIES

```
*NAME: ENDOSULFAN
*CASWELL NO: 420
*CAS NO: 00115-29-7  SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is  0.007
*FILE INFO:  NEW ACTION: User Modifications
```

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
CFR NO: CFR180.182 A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000416*
CFR NO: 420 B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

RDV = MG/KG of BODY WEIGHT/DAY

APPROVED: Data NOT Used   PUBLISHED: Data NOT Used

FEMALES(13+ YRS)

ESTIMATED % OF POTENTIAL

ESTIMATES BASED ON
PERSON DAYS THAT ARE USER-DAYS
- PRIOR TOLERANCES: 0.00
- NEW TOLERANCES: 14.56

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.002920	41.71

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	79	40	21	8	4	2	1	1	0	0	0	0	0	0	0

MALES(13+ YRS)

ESTIMATED % OF POTENTIAL

ESTIMATES BASED ON
PERSON DAYS THAT ARE USER-DAYS
- PRIOR TOLERANCES: 0.00
- NEW TOLERANCES: 15.28

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.002834	40.48

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	80	41	16	7	4	2	1	1	0	0	0	0	0	0	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
****

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*NAME: ENDOSULFAN									
*CASWELL NO: 420	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
*CFR NO: CFR180.182	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401	C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	0000001488*
*STATUS CODES:									

*RDV INFO: The LD value used in this analysis is 0.007   MG/KG of BODY WEIGHT/DAY
*FILE INFO: NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
****

MENU CATEGORY 7: STARCHY VEG., INCL. RICE, SWEETPOTATO

FOOD CODE	DESCRIPTION	: NUMBER OF CONSUMER : DAYS AS PERCENT OF : POTENTIAL PERSON DAYS	: TOLERANCE VALUE(PPM) & TYPE : (UG/KG BODY WT PER DAY) :
		: PUBLISHED APPROVED NEW :	: PRIOR TOL. NEW TOL.
14018AA SWEETPOTATOES (INCLUDING YAMS)		1.61 : . . :	0.2000 : . 0.370185

POPULATION = MALES(13+ YRS)

U.S. POP.--48 STATES

ESTIMATED % OF POTENTIAL   PERSON DAYS THAT ARE USER-DAYS   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	1.69	0.000465	6.64

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

INFANTS(<1 YEAR)

ESTIMATED % OF POTENTIAL   PERSON DAYS THAT ARE USER-DAYS   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0	0	0	0
NEW TOLERANCES:	100	3	0	0

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ESTIMATED % OF POTENTIAL   PERSON DAYS THAT ARE USER-DAYS   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	4.68	0.001191	17.01

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

CHILDREN(1-6 YRS)

ESTIMATED % OF POTENTIAL   PERSON DAYS THAT ARE USER-DAYS   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0	0	0	0
NEW TOLERANCES:	100	31	3	1

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

		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	1.42	0.000932	13.32

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES:	0	0	0	0	0	0
NEW TOLERANCES:	100	14	2	1	1	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
****
*NAME: ENDOSULFAN   *
*CASWELL NO: 420   CFR NO: CFR180.182   *
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401   *
*STATUS CODES: *

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
	A	00000.0001	000050.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	000001488*
	C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

*RDV INFO: The LD value used in this analysis is 0.007   MG/KG of BODY WEIGHT/DAY   *
*FILE INFO: NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used *
****

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								
PRIOR TOLERANCES:	0.00		0.000000		0.00								
NEW TOLERANCES:	1.81		0.000369		5.28								

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

| PRIOR TOLERANCES: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW TOLERANCES: | 100 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

MALES(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								
PRIOR TOLERANCES:	0.00		0.000000		0.00								
NEW TOLERANCES:	1.61		0.000370		5.29								

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

| PRIOR TOLERANCES: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW TOLERANCES: | 100 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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                        STUDY    RDV        NOEL        SF     STUDY TYPE  SPECIES    EFF. LEV.  CORE GRADE   DOC. NO.*
*NAME: ENDOSULFAN                                                                                                      *
*CASWELL NO: 420         A    00000.0001  000050.000  001000  Chronic     Dog        Systemic   Minimum    000000416*  *
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401  B    00000.4000  000040.000  000100 Terata  Rat   Systemic  Minimum  0000001483*  *
                        C    00000.0180  000036.000  000100 Terata  Rabbit     Systemic   Minimum    0000001483*  *
*STATUS CODES:                                                                                                         *
*RDV INFO:  The LD value used in this analysis is  0.007      MG/KG  of BODY WEIGHT/DAY                                 *
*FILE INFO:  NEW ACTION: User Modifications        APPROVED:Data NOT Used   PUBLISHED:Data NOT Used                    *
************************************************************************************************************************
```

LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY. MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

```
FOOD                                                    : NUMBER OF CONSUMER  : TOLERANCE VALUE(PPM) & TYPE :  FOOD CONTRIBUTION
CODE  DESCRIPTION                                        : DAYS AS PERCENT OF. :----------------------------:   TO EXPOSURE
                                                         : POTENTIAL PERSON DAYS  : PUBLISHED   APPROVED   NEW  : (UG/KG BODY WT PER DAY)
POPULATION = MALES(13+ YRS)                              :                     : PRIOR TOL.   NEW TOL.       :
```

MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA

14003AA CARROTS   31.38 :   : 0.2000 :   : 0.076287

U.S. POP.--48 STATES

ESTIMATED % OF POTENTIAL

			MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY							
	PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV				
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00 32.32		0.000000 0.000108			0.00 1.54				
NEW TOLERANCES:										

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
          0     0     0     0     0    0    0     0     0     0     0    0    0    0    0    0    0
```

PRIOR TOLERANCES: 100   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

INFANTS(<1 YEAR)

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

	PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV	
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00 44.89		0.000000 0.000607			0.00 8.68		
NEW TOLERANCES:								

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
          0     0     0     0     0    0    0     0     0     0     0    0    0    0    0    0    0
```

PRIOR TOLERANCES: 100 12   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

CHILDREN(1-6 YRS)

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

	PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV	
ESTIMATES BASED ON PRIOR TOLERANCES:	0.00 32.36		0.000000 0.000204			0.00 2.91		
NEW TOLERANCES:								

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
          0     0     0     0     0    0    0     0     0     0     0    0    0    0    0    0    0
```

PRIOR TOLERANCES: 100   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
NEW TOLERANCES: 100   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

39

```
****************************************************************************************
*NAME: ENDOSULFAN           STUDY   RDV   NOEL    SF   STUDY TYPE  SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*CASWELL NO: 420    CFR NO: CFR180.182   A  00000.0001 000030.000 001000 Chronic    Dog      Systemic             000000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401  B  00000.4000 000040.000 000100 Terata    Rat      Systemic   Minimum   0000001488*
*STATUS CODES:                              C  00000.0180 000036.000 000100 Terata    Rabbit   Systemic   Minimum             *
*RDV INFO:  The LD  value used in this analysis is  0.007        MG/KG  of BODY WEIGHT/DAY                                    *
*FILE INFO:  NEW ACTION: User Modifications     APPROVED:Data NOT Used      PUBLISHED:Data NOT Used                           *
****************************************************************************************
```

FEMALES(13+ YRS)

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

	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON	0.00	0.000000	0.00
PRIOR TOLERANCES:	32.96	0.000080	1.15
NEW TOLERANCES:			

	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=								
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MALES(13+ YRS)

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

	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON	0.00	0.000000	0.00
PRIOR TOLERANCES:	31.38	0.000076	1.09
NEW TOLERANCES:			

	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=								
	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

40

```
*NAME: ENDOSULFAN
*CASWELL NO: 420      CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO:  The LD value used in this analysis is  0.007
*FILE INFO:
*NEW ACTION: User Modifications
```

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic		000000004416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000000000*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	000001488*

```
                                     MG/KG  of BODY WEIGHT/DAY
                                     PUBLISHED:Data NOT Used
                                     APPROVED:Data NOT Used
```

LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY. MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = MALES(13+ YRS)

```
: NUMBER OF CONSUMER         : TOLERANCE VALUE(PPM) & TYPE :   FOOD CONTRIBUTION
: DAYS AS PERCENT OF         : (UG/KG BODY WT PER DAY)     :      TO EXPOSURE
: POTENTIAL PERSON DAYS      : PUBLISHED  APPROVED   NEW   : (UG/KG BODY WT PER DAY)
:                            :           PRIOR TOL.  NEW TOL.
```

MENU CATEGORY 1: MEATS

FOOD CODE	DESCRIPTION		PUBLISHED	APPROVED	NEW	PRIOR TOL.	NEW TOL.
5300TBA	BEEF-MEAT BYPRODUCTS	9.92			0.2000		0.032113
53001BB	BEEF(ORGAN MEATS)-OTHER	9.20			0.2000		0.011831
53001DA	BEEF-DRIED	0.28			0.2000		0.175713
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	98.62			0.2000		0.073570
53001FA	BEEF(ORGAN MEATS)-KIDNEY	0.02			0.2000		0.162520
53001KA	BEEF(ORGAN MEATS)-LIVER	0.99			0.2000		0.375978
53001LA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)	77.29			0.2000		0.290986

U.S. POP.--48 STATES

	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
  PRIOR TOLERANCES: 0.00   0.000000   0.00
  NEW TOLERANCES: 97.32   0.000326   4.66

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

.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

INFANTS(<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
  PRIOR TOLERANCES: 0.00   0.000000   0.00
  NEW TOLERANCES: 41.29   0.000620   8.85

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

.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES: 0 0 0 0
NEW TOLERANCES: 100 14 2 1

CHILDREN(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
  PRIOR TOLERANCES: 0.00   0.000000   0.00
  NEW TOLERANCES: 98.60   0.000582   8.31

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

.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES: 0 0 0 0
NEW TOLERANCES: 100 10 1 0

41

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION
****
*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications
****

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

RDV INFO: The LD value used in this analysis is 0.007   MG/KG of BODY WEIGHT/DAY
FILE INFO: NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
****

FEMALES(13+ YRS)

                              MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

ESTIMATES BASED ON   ESTIMATED % OF POTENTIAL
 PRIOR TOLERANCES: PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
 NEW TOLERANCES: 0.00   0.000000   0.00
                                  97.30   0.000248   3.54

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MALES(13+ YRS)

                              MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

ESTIMATES BASED ON   ESTIMATED % OF POTENTIAL
 PRIOR TOLERANCES: PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
 NEW TOLERANCES: 0.00   0.000000   0.00
                                  98.79   0.000310   4.42

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

```
***********************************************************************************************
*NAME: ENDOSULFAN                                    STUDY   RDV        NOEL       SF    STUDY TYPE   SPECIES   EFF. LEV.  CORE GRADE   DOC. NO.*
*CASWELL NO: 420          CFR NO: CFR180.182         A  00000.0001 000030.000 001000 Chronic      Dog       Systemic                          *
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401           B  00000.4000 000040.000 000100 Terata       Rat       Systemic     Minimum  000000004416*
*STATUS CODES:                                       C  00000.0180 000036.000 000100 Terata       Rabbit    Systemic     Minimum  000000001488*
*RDV INFO:   The LD value used in this analysis is 0.07      MG/KG  of BODY WEIGHT/DAY                                                          *
*FILE INFO:   NEW ACTION: User Modifications         APPROVED:Data NOT Used     PUBLISHED:Data NOT Used                                         *
***********************************************************************************************
```

```
POPULATION = U.S. POP.--48 STATES                    : NUMBER OF CONSUMER  : TOLERANCE VALUE(PPM) & TYPE : (UG/KG BODY WT PER DAY)
FOOD                                                 : DAYS AS PERCENT OF                                   TO EXPOSURE
CODE     DESCRIPTION                                 : POTENTIAL PERSON DAYS  : PUBLISHED  APPROVED   NEW   : PRIOR TOL.    NEW TOL.
```

```
04003AA  PEARS-FRESH                                     5.30          :  ...  :                     2.0000 :   4.644220
04003DA  PEARS-DRIED                                     0.01          :  ...  :                     2.0000 :   4.513126
```

MENU CATEGORY 10: FRUITS

U.S. POP.--48 STATES

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					
PRIOR TOLERANCES:	0.00	0.000000	0.00					
NEW TOLERANCES:	5.31	0.004644	6.63					

```
ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=
         1   1.2  1.4  1.6  1.8   2    3    4    5   10   15   20
0   .2   .4   .6   .8   1   1.2  1.4  1.6  1.8   2    3    4    5   10   15   20
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    6    2    0    0    0    0    0    0    0    0    0    0    0    0    0    0
```

MOE = 17; 94th %ile = 50; Mean MOE = 151

INFANTS(<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
PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	13.59	0.022995	32.85

```
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
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    65   35   11    3    1    0    0    0    0    0    0    0    0    0    0    0
```

MOE = 7; Mean MOE = 31

CHILDREN(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
PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	5.32	0.009563	13.66

```
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
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    100  26    4    1    0    0    0    0    0    0    0    0    0    0    0    0
```

MOE = 13; 74th %ile = 50; Mean MOE = 73

43

```
******************************************************************************
*NAME: ENDOSULFAN                                                            *
*CASWELL NO: 420      CFR NO: CFR180.182                                     *
*CAS NO: 00115-29-7  SHAUGHNESSY NO: 079401                                  *
******************************************************************************
```

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000050.000	001000	Chronic	Dog	Systemic	Minimum	0000000416
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000001488
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

```
*STATUS CODES:
*RDV INFO:   The LD value used in this analysis is  0.07  MG/KG  of BODY WEIGHT/DAY
*FILE INFO:  NEW ACTION: User Modifications       APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
******************************************************************************
```

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
PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	4.66	0.003169	4.53

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0																
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MOE = 25
Mean MOE = 221

HALES(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
PRIOR TOLERANCES:	0.00	0.000000	0.00
NEW TOLERANCES:	5.09	0.002838	4.05

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0																
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MOE = 7
Mean MOE = 247

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

****

*NAME: ENDOSULFAN

*CASWELL NO: 420   CFR NO: CFR180.182

*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B

	STUDY	NOEL	RDV	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
	A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	000000416*
	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	- 000001488*
	C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	

*STATUS CODES:

*RDV INFO: The LD value used in this analysis is 0.007   MG/KG of BODY WEIGHT/DAY

*FILE INFO: NEW ACTION: User Modifications   APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

****

LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY. MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

	: NUMBER OF CONSUMER	: TOLERANCE VALUE(PPM) & TYPE :	FOOD CONTRIBUTION
	: DAYS AS PERCENT OF	: (UG/KG BODY WT PER DAY)	TO EXPOSURE
	: POTENTIAL PERSON DAYS	: PUBLISHED APPROVED NEW : PRIOR TOL. NEW TOL.	

MENU CATEGORY   9: OTHER VEGETABLES, INCL. BRASSICA

1500SAA CORN,SWEET	13.15	:	: 0.2000	:	0.290046

FOOD
CODE   DESCRIPTION

POPULATION = MALES(13+ YRS)

U.S. POP.--48 STATES

ESTIMATES BASED ON   PERSON DAYS THAT ARE USER-DAYS
PRIOR TOLERANCES: 0.00
NEW TOLERANCES: 13.13

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

ESTIMATED	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.000365	5.21

INFANTS(<1 YEAR)

ESTIMATES BASED ON   PERSON DAYS THAT ARE USER-DAYS
PRIOR TOLERANCES: 0.00
NEW TOLERANCES: 18.47

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

ESTIMATED	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.000383	5.47

CHILDREN(1-6 YRS)

ESTIMATES BASED ON   PERSON DAYS THAT ARE USER-DAYS
PRIOR TOLERANCES: 0.00
NEW TOLERANCES: 15.07

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

ESTIMATED	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
PRIOR TOLERANCES:	0.000000	0.00
NEW TOLERANCES:	0.000734	10.48

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

****
*NAME: ENDOSULFAN
*CASWELL NO: 420   CFR NO: CFR180.182
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.007
*FILE INFO: NEW ACTION: User Modifications
****

	STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
	A	00000.0001	0000030.000	001000	Chronic	Dog	Systemic		0000000416*
	B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	0000000416*
	C	0000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	0000001488*

MG/KG of BODY WEIGHT/DAY
APPROVED:Data NOT Used
PUBLISHED:Data NOT Used
****

FEMALES(13+ YRS)

ESTIMATES BASED ON   ESTIMATED % OF POTENTIAL   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
PRIOR TOLERANCES: PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
                            0.00   0.000000   0.00
NEW TOLERANCES: 11.56   0.000277   3.96

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES: 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MALES(13+ YRS)

ESTIMATES BASED ON   ESTIMATED % OF POTENTIAL   MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY
PRIOR TOLERANCES: PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
                            0.00   0.000000   0.00
NEW TOLERANCES: 13.15   0.000290   4.14

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

	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES: 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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*****************************************************************************************
*NAME: ENDOSULFAN                                    STUDY    RDV      NOEL    SF    STUDY TYPE  SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*         CFR NO: CFR180.182      A  00000.0001 000030.000 001000 Chronic    Dog    Systemic   0000000416*
*CASWELL NO: 420                  A  00000.4000 000040.000 000100 Terata     Rat    Systemic   Minimum   0000000498*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B  00000.0180 000036.000 000100 Terata  Rabbit  Systemic   Minimum   0000001488*
*STATUS CODES:                     C  0000.0180 000036.000 000100 Terata
*RDV INFO:  The LD value used in this analysis is  0.07    MG/KG of BODY WEIGHT/DAY
*FILE INFO:  NEW ACTION: User Modifications          APPROVED:Data NOT Used   PUBLISHED:Data NOT Used
*****************************************************************************************
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LISTING OF RELEVANT FOODS, ORDERED BY MENU CATEGORY. MENU PATTERN = 1
CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

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POPULATION = U.S. POP.--48 STATES              : NUMBER OF CONSUMER         : AS PERCENT OF       : FOOD CONTRIBUTION
FOOD                                           : DAYS AS PERCENT OF         : TOLERANCE VALUE(PPM) & TYPE :   TO EXPOSURE
CODE     DESCRIPTION                           : POTENTIAL PERSON DAYS      : PUBLISHED  APPROVED    NEW  : (UG/KG BODY WT PER DAY)
                                               : PUBLISHED  APPROVED    NEW : PRIOR TOL.   NEW TOL.
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MENU CATEGORY 10: FRUITS

		PUBLISHED	APPROVED	NEW	PRIOR TOL.	NEW TOL.
10002AA	CANTALOUPES-UNSPECIFIED	:	0.00	:	:	0.000000
10002AB	CANTALOUPES-PULP	:	1.46	:	2.0000	:	0.000000
					2.0000	6.158599

U.S. POP.--48 STATES

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

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON   0.00   0.00
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 1.46   0.006159   8.80

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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES: 100 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW TOLERANCES: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

INFANTS(<1 YEAR)

Mean MOE = 114
MOE = 25

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

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON   0.00   0.00
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 0.05   0.023043   32.92

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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES: 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW TOLERANCES: 0   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CHILDREN(1-6 YRS)

Mean MOE = 30
MOE = 25

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

PERSON DAYS THAT ARE USER-DAYS   MG/KG BODY WEIGHT/DAY   AS PERCENT OF RDV
ESTIMATES BASED ON   0.00   0.00
PRIOR TOLERANCES: 0.00   0.000000   0.00
NEW TOLERANCES: 0.60   0.013103   18.72

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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIOR TOLERANCES: 100 37 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW TOLERANCES: 0   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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*NAME: ENDOSULFAN

*CASWELL NO: 420   CFR NO: CFR180.182

*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401

*STATUS CODES:

*RDV INFO: The LD value used in this analysis is 0.07

*FILE INFO: NEW ACTION: User Modifications

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STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0001	000030.000	001000	Chronic	Dog	Systemic	Minimum	0000000416*
B	00000.4000	000040.000	000100	Terata	Rat	Systemic	Minimum	000000148B*
C	00000.0180	000036.000	000100	Terata	Rabbit	Systemic	Minimum	*

MG/KG of BODY WEIGHT/DAY

APPROVED:Data NOT Used   PUBLISHED:Data NOT Used

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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
PRIOR TOLERANCES:		0.00	0.000000	0.00
NEW TOLERANCES:		1.87	0.005801	8.29

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
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MOE = 25

Mean MOE = 121

MALES(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
PRIOR TOLERANCES:		0.00	0.000000	0.00
NEW TOLERANCES:		1.40	0.005240	7.49

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
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MOE = 25

Mean MOE = 134

DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

13:43 Tuesday, July 11, 1995   6

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****************************************************************************************************
*NAME: ENDOSULFAN                    STUDY   RDV        NOEL         SF      STUDY TYPE   SPECIES  EFF. LEV.  CORE GRADE  DOC. NO.*
*CASWELL NO: 420        CFR NO: CFR180.182   A  00000.0001 000030,000 001000 Chronic     Dog      Systemic   Minimum     000000416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401 B  00000.4000 000040,000 000100 Terata       Rat      Systemic   Minimum     000001488*
*STATUS CODES:                              C  00000.0180 000036.000 000100 Terata       Rabbit   Systemic   Minimum                *
*RDV INFO:  The LD  value used in this analysis is  0.007          MG/KG  of BODY WEIGHT/DAY                                        *
*FILE INFO:     NEW ACTION: User Modifications         APPROVED:Data NOT Used        PUBLISHED:Data NOT Used                        *
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MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA

POPULATION = MALES(13+ YRS)

FOOD		: NUMBER OF CONSUMER	:	: TOLERANCE VALUE(PPM) & TYPE :	: TO EXPOSURE
CODE	DESCRIPTION	: DAYS AS PERCENT OF	:	: (UG/KG BODY WT PER DAY)
		: POTENTIAL PERSON DAYS	: PUBLISHED APPROVED : NEW : PRIOR TOL. NEW TOL.

13013AA LETTUCE-LEAFY VARIETIES	0.99	:	2.0000 :	0.781388
13020AA LETTUCE-UNSPECIFIED	3.25	:	2.0000 :	0.442284
13045AA LETTUCE-HEAD VARIETIES	34.67	:	2.0000 :	1.110264

U.S. POP.--48 STATES

	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						
PRIOR TOLERANCES:	0.00	0.000000		0.00						
NEW TOLERANCES:	33.99	0.001327		18.96						
	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
ESTIMATED % OF POPULATION	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	36	10	3	1	0	0	0	0	0	0	0	0	0	0	0	0
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	36	10	3	1	0	0	0	0	0	0	0	0	0	0	0

INFANTS(<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						
PRIOR TOLERANCES:	0.00	0.000000		0.00						
NEW TOLERANCES:	0.23	0.001332		19.03						
	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
ESTIMATED % OF POPULATION	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CHILDREN(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						
PRIOR TOLERANCES:	0.00	0.000000		0.00						
NEW TOLERANCES:	18.56	0.001914		27.34						
	ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
ESTIMATED % OF POPULATION	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW TOLERANCES:	100	50	22	9	4	2	1	1	0	0	0	0	0	0	0	0

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DETAILED ACUTE ANALYSIS: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION   13:45 Tuesday, July 11, 1995

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************************************************************************************************
*NAME: ENDOSULFAN              STUDY   RDV       NOEL      SF    STUDY TYPE  SPECIES  EFF. LEV.  CORE GRADE   DOC. NO.*
*CASWELL NO: 420          CFR NO: CFR180.182   A  00000.0001 000030.000 001000 Chronic    Dog      Systemic   000000004416*
*CAS NO: 00115-29-7 SHAUGHNESSY NO: 079401   B  00000.4000 000040.000 000100 Terata     Rat      Systemic   Minimum    000000001488*
*STATUS CODES:                               C  00000.0180 000036.000 000100 Terata     Rabbit   Systemic   Minimum
*RDV INFO:  The LD  value used in this analysis is  0.007   MG/KG  of BODY WEIGHT/DAY
*FILE INFO:   NEW ACTION: User Modifications         APPROVED:Data NOT Used       PUBLISHED:Data NOT Used
************************************************************************************************
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FEMALES(13+ YRS)

	ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY	
ESTIMATES BASED ON PRIOR TOLERANCES:	PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
	0.00		0.000000	0.00
NEW TOLERANCES:		37.20	0.001375	19.65

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

		.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0																	
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEW TOLERANCES:	100	38	11	4	1	1	0	0	0	0	0	0	0	0	0	0	

MALES(13+ YRS)

	ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY	
ESTIMATES BASED ON PRIOR TOLERANCES:	PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
	0.00		0.000000	0.00
NEW TOLERANCES:		36.83	0.001105	15.78

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

		.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
0																	
PRIOR TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEW TOLERANCES:	100	29	6	1	0	0	0	0	0	0	0	0	0	0	0	0	

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