



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

AUG 18 1987

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analysis for Alachlor.

TO: Amy Rispin, Ph.D.
Chief, Science Integration Staff
Hazard Evaluation Division (TS-769C)

and

David Giamporcaro
Special Review Branch
Registration Division (TS-767C)

FROM: D. Stephen Saunders, Ph.D.
Program Manager, Tolerance Assessment Program
RCB/HED (TS-769C)

THRU: Charles L. Trichilo, Ph.D.
Chief, Residue Chemistry Branch
Hazard Evaluation Division (TS-769C)

Action Requested

The TAS program was requested by Special Review Branch to prepare a revised estimate of dietary risks due to alachlor using the latest RCB residue estimates. In addition, the drinking-water Guideline Value of 1.5 ug/L (ppb) was added to the analysis for an estimate of total dietary risk from alachlor.

Discussion

1. The Provisional Acceptable Daily Intake for alachlor is 0.01 mg/kg/day, derived from a NOEL of 1 mg/kg/day from a 1-year feeding study in dogs and safety factor of 100.

In addition, alachlor has been identified as an oncogen in experimental animals. The Toxicology Branch Peer Review Committee has classified this chemical as a Class B2 carcinogen. The Q* has been calculated as 0.1 excess tumors/mg/kg/day (personal communication J. Hauswirth, Tox. Branch).

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2. The food uses evaluated in the present analysis were those established under 40 CFR 180.249. Anticipated residues were provided by Residue Chemistry Branch based on the "Best Estimate", or the highest value obtained in a field trial for each crop (memo of 8/18/87, S. Hummel). These values were multiplied by the % of crop treated provided by BUD (memo of 8/13/87, R. Petrie and R. Torla) to obtain the final residue estimate used in the TAS analysis. The drinking-water Guideline Value of 1.5 ppb was added to the analysis in order to estimate total dietary risk. A listing of these residues is appended as Table 4.

3. The TAS Routine Chronic Analysis provides estimates of exposure, based on per capita consumption, for the U. S. Population average and for 22 subgroups of that population. A tabulation of exposure and oncogenic risk is presented in Table 1. The Theoretical Maximum Residue Contribution (TMRC) and Anticipated Residue Contribution (ARC) for all subgroups is appended as Table 3.

Table 1. Dietary Risks for Alachlor

<u>Population</u>	<u>Anticipated Residue Contribution</u> (mg/kg/day)		
	<u>Food only</u>	<u>Drinking-Water</u>	<u>Food + Water</u>
U.S. Average (risk)	0.000028 (2.8×10^{-6})	0.000019 (1.9×10^{-6})	0.000047 (4.7×10^{-6})
Children 1-6 (risk)	0.000075 (7.5×10^{-6})	0.000043 (4.3×10^{-6})	0.000118 (1.2×10^{-5})

In accordance with current HED policy, the dietary oncogenic risk was calculated for the U.S. population average, which is a weighted average of exposures in adults and children. However, because alachlor has been shown to produce rare tumors in rats after only 6-months of exposure followed by 18 months of control diet, it may be appropriate to consider children as a potentially susceptible population for this chemical. As is noted in Table 1, exposure in children aged 1-6 years produces a risk estimate that is about twice that of the population average. Inclusion of drinking water into the analysis at the Guideline Value results in an estimate of risk that is about 60% of the risk caused by food only.

2.

4. A breakdown of risk by crop group is provided in Table 2. The impact of each food item on the ARC is provided for the U.S. population and for children 1-6 years old in Table 5 (appended).

As can be noted in Table 2, the majority of risk from food is due to the legume crop group, which accounts for about 70% of the oncogenic risk in either subgroup. RCB has requested processing and cooking studies (memo of 5/5/86, M. Loftus and S. Hummel), the results of which are likely to provide a lower estimate of dietary exposure.

Table 2. Estimates of Oncogenic Risk by Crop Group

<u>Crop</u>	Population			
	<u>U.S. Average</u> <u>ARC</u> ^a	<u>Risk</u> ^b	<u>Children 1-6</u> <u>ARC</u>	<u>Risk</u>
Legumes	2.0×10^{-5}	2.0×10^{-6}	5.4×10^{-5}	5.4×10^{-6}
-Peanuts	1.2×10^{-5}	1.2×10^{-6}	3.8×10^{-5}	3.8×10^{-6}
-Soybeans	3.1×10^{-6}	3.1×10^{-7}	5.8×10^{-6}	5.8×10^{-7}
Corn	1.9×10^{-6}	1.9×10^{-7}	4.9×10^{-6}	4.9×10^{-7}
Red meat	5.7×10^{-7}	5.7×10^{-8}	1.1×10^{-6}	1.1×10^{-7}
Poultry	4.0×10^{-9}	4.0×10^{-10}	1.0×10^{-8}	1.0×10^{-9}
Eggs + Milk	5.1×10^{-6}	5.1×10^{-7}	1.5×10^{-5}	1.5×10^{-6}
Water	1.9×10^{-5}	1.9×10^{-6}	4.3×10^{-5}	4.3×10^{-6}

^aARC = Anticipated Residue Contribution (mg/kg/day).

^bRisk = Exposure X Q*

Conclusion

The estimates of dietary oncogenic risk are considered as only rough approximations, and are likely over-estimated. The following points should be considered when interpreting these data:

1. Although it is current HED policy that oncogenic risk calculations should be carried out on average residues, the field residue data for alachlor were considered inadequate, and therefore the highest value from a field trial ("best estimate") was used.

2. The majority of oncogenic risk arises from a single crop group, the legumes. Since these food items are not commonly eaten in a raw form, it is likely that cooking and/or other processing steps (e.g. canning) will produce a further reduction in the residue level at the time of consumption. Processing and cooking studies for legumes and other crops have been requested by RCB (memo of 5/5/86, S. Hummel and M. Loftus).

3. The calculation of oncogenic risk from drinking-water at the Guideline Value is for information purposes only, and must be considered as arbitrary. The number of drinking-water supplies contaminated at or above this level is unknown at the present time.

Therefore, these estimates of dietary oncogenic risk must be assigned a low level of confidence.

ATTACHMENTS

cc: TAS file
Special Review file
Alachlor SF
S. Hummel (RCB)

J. Hauswirth (TOX)
S. Rathman (TOX)
PMSD
circ.

Table 3.

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249		1yr feeding- dog NOEL= 0.00 ppm LEL= 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemosiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PAOI 100 OPP RfD= 0.010000 EPA RfD= 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.					
POPULATION SUBGROUP											
U.S. POPULATION - 48 STATES											
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)											
CURRENT TMRC*		NEW TMRC**		NEW TMRC AS PERCENT OF RFD		DIFFERENCE AS PERCENT OF RFD		EFFECT OF ANTICIPATED RESIDUES			
								(MG/KG/DAY) %RFD			
U.S. POPULATION - SPRING SEASON		0.000552	0.000571	5.714760	0.195610	0.000046	0.462140				
U.S. POPULATION - SUMMER SEASON		0.000572	0.000593	5.928730	0.212400	0.000050	0.496820				
U.S. POPULATION - FALL SEASON		0.000598	0.000617	6.168290	0.189760	0.000046	0.463170				
U.S. POPULATION - WINTER SEASON		0.000591	0.000609	6.091850	0.180480	0.000045	0.448990				
NORTHEAST REGION		0.000545	0.000560	5.597380	0.149100	0.000041	0.406830				
NORTH CENTRAL REGION		0.000590	0.000609	6.089600	0.193310	0.000047	0.465810				
SOUTHERN REGION		0.000577	0.000599	5.986930	0.216710	0.000048	0.481010				
WESTERN REGION		0.000608	0.000630	6.300610	0.219390	0.000053	0.530070				
HISPANICS		0.000736	0.000761	7.607480	0.243460	0.000059	0.591210				
NON-HISPANIC WHITES		0.000566	0.000584	5.839340	0.181350	0.000046	0.455420				
NON-HISPANIC BLACKS		0.000585	0.000610	6.104060	0.256000	0.000049	0.490320				
NON-HISPANICS OTHER		0.000561	0.000581	5.814380	0.201250	0.000046	0.456880				
NURSING INFANTS (<1 YEAR OLD)		0.000540	0.000567	5.668450	0.266130	0.000043	0.433330				
NON-NURSING INFANTS (<1 YEAR OLD)		0.002140	0.002182	21.815440	0.417580	0.000104	1.035820				
FEMALES (13+ YEARS, PREGNANT)		0.000407	0.000423	4.231020	0.157460	0.000037	0.367930				
FEMALES 13+ YEARS, NURSING		0.000474	0.000490	4.898900	0.158330	0.000041	0.410960				
CHILDREN (1-6 YEARS OLD)		0.001390	0.001433	14.330660	0.427280	0.000118	1.180790				
CHILDREN (7-12 YEARS OLD)		0.000945	0.000972	9.716760	0.262910	0.000080	0.796990				
MALES (13-19 YEARS OLD)		0.000632	0.000650	6.497840	0.182580	0.000048	0.480820				
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)		0.000502	0.000518	5.183170	0.162590	0.000038	0.383620				
MALES (20 YEARS AND OLDER)		0.000406	0.000420	4.202750	0.145920	0.000032	0.324260				
FEMALES (20 YEARS AND OLDER)		0.000351	0.000366	3.660000	0.152750	0.000029	0.293300				

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

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

DATE: 08/12/87

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CHEMICAL			STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS			
FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)	Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding - dog NOEL= 1.0000 mg/kg 0.00 ppm LEL= 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemosiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD = 0.010000 EPA RfD = 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
14013DA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	3F1372	0.100000	0.000000C USE CANCELLED		0.00	0.000000						
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED (NO CONSUMPTION)	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AB	BEANS-DRY-LIMA	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	3F1406	0.100000	0.030000C BEST ESTIMATE		14.00	0.004200						
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	3F1406	0.100000	0.030000C BEST ESTIMATE		14.00	0.004200						
15005AA	CORN, SWEET	10 RAW-FRESH OR NFS	1F1009	0.050000	0.005000C BEST ESTIMATE		35.00	0.001750						
15005AA	CORN, SWEET	21 COOKED-NFS	1F1009	0.050000	0.005000C BEST ESTIMATE		35.00	0.001750						
15005AA	CORN, SWEET	31 COOKED-FRESH OR CANNED	1F1009	0.050000	0.005000C BEST ESTIMATE		35.00	0.001750						
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	9F0776	0.050000	0.270000C BEST ESTIMATE		62.00	0.167400						
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	9F0776	0.050000	0.270000C BEST ESTIMATE		62.00	0.167400						
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	9F0776	0.050000	0.270000C BEST ESTIMATE		62.00	0.167400						
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	3F1406	0.100000	0.120000C BEST ESTIMATE		3.00	0.003600						
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED	3F1406	0.100000	0.120000C BEST ESTIMATE		3.00	0.003600						
15009AA	PEAS SUCC-GARDEN	21 COOKED-NFS	3F1406	0.100000	0.030000C BEST ESTIMATE		3.00	0.000900						
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED	3F1406	0.100000	0.030000C BEST ESTIMATE		3.00	0.000900						
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15013AA	MUNG BEANS	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15018AA	SUNFLOWER-SEEDS	10 RAW-FRESH OR NFS	1F2447	0.250000	0.850000C BEST ESTIMATE		2.00	0.017000						
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15027AA	BEANS-UNSPEC	21 COOKED-NFS	3F1406	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500						
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100						

Table 4 (cont.)

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

DATE: 08/12/87

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Atachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog MOEL = 1.0000 mg/kg 0.00 ppm LEI = 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemosiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PAD1 100 OPP RfD = 0.010000 EPA RfD = 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp.).	TOX complete 2/21/86. OND verified 3/11/86.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN, GRAIN-ENDO	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002SA	CORN SUGAR	21 COOKED-NFS	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	0F2338	1.000000	0.053000C BEST ESTIMATE		8.00	0.004240
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	9F0740	0.200000	0.001900C BEST ESTIMATE		35.00	0.000665
270030A	COTTONSEED-OIL	18 PROCESSED OIL	9F0776	0.050000	0.004000C BEST ESTIMATE		1.00	0.000004
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	9F0776	0.050000	0.041000C BEST ESTIMATE		1.00	0.000410
270070A	PEANUTS-OIL	18 PROCESSED OIL	9F0776	0.050000	0.020000C BEST ESTIMATE		62.00	0.012400
270100A	SOYBEANS-OIL	18 PROCESSED OIL	9F0740	0.200000	0.040000C BEST ESTIMATE		21.00	0.008400
270110A	SUNFLOWER-OIL	18 PROCESSED OIL	1F2447	0.250000	0.008000C BEST ESTIMATE		2.00	0.000160
280023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AB	SOYBEANS-DRY	21 COOKED-NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AA	SOY-FL, FULL FAT	21 COOKED-NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280023AB	SOY-FL, LOW FAT	21 COOKED-NFS	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280023AC	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280023AC	SOY-FL, DEFAT	21 COOKED-NFS	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280023AC	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280023AC	SOY-FL, DEFAT	51 COOKED-CANNED	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280023AC	SOY-FL, DEFAT	53 COOKED-CANNED-BOILED	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
500000B	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000B	MILK-NON-FAT SOL	21 COOKED-NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000B	MILK-NON-FAT SOL	51 COOKED-CANNED	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000FA	MILK-FAT SOLIDS	21 COOKED-NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000SA	MILK SUG (LACT)	21 COOKED-NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000SA	MILK SUG (LACT)	51 COOKED-CANNED	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910

Table 4 (cont.)

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

DATE: 08/12/87

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding - dog NOEL= 1,000 mg/kg 0.00 ppm LEL= 3,000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemosiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OP RfD = 0.010000 EPA RfD = 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
530018B	BEEF-OTH ORGAN	21 COOKED-NFS	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
530018B	BEEF-OTH ORGAN	51 COOKED-CANNED	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53001DA	BEEF-DRIED	21 COOKED-NFS	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	21 COOKED-NFS	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53001KA	BEEF-KIDNEY	21 COOKED-NFS	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.001710C BEST ESTIMATE		100.00	0.001710
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	9F0740	0.020000	0.001710C BEST ESTIMATE		100.00	0.001710
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	21 COOKED-NFS	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53002BA	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.001710C BEST ESTIMATE		100.00	0.001710
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53005BA	SHEEP-OTH ORGAN	21 COOKED-NFS	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53005FA	SHEEP-FAT	21 COOKED-NFS	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	9F0740	0.020000	0.000420C BEST ESTIMATE		100.00	0.000420
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
53005MA	SHEEP-LEAN	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.001710C BEST ESTIMATE		100.00	0.001710
53005MA	SHEEP-LEAN	21 COOKED-NFS	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53006BA	PORK-MEAT BYP	31 COOKED-FRESH OR CANNED	9F0740	0.020000	0.000260C BEST ESTIMATE		100.00	0.000260
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	9F0740	0.020000	0.00080C BEST ESTIMATE		100.00	0.00080
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	9F0740	0.020000	0.00080C BEST ESTIMATE		100.00	0.00080
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	9F0740	0.020000	0.00050C BEST ESTIMATE		100.00	0.00050
53006FA	PORK-FAT	21 COOKED-NFS	9F0740	0.020000	0.00050C BEST ESTIMATE		100.00	0.00050
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	9F0740	0.020000	0.00050C BEST ESTIMATE		100.00	0.00050
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.00050C BEST ESTIMATE		100.00	0.00050

Table 4 (cont)

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 011

DATE: 08/12/87

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Atachlor	Caswell #011	1yr feeding- dog	MOEL=	Hem siderosis, hemolytic anemia.	PADI 100	Rabbit teratology (Supp).	TOX complete 2/21/86.	OND verified 3/11/86.			
CAS No. 15972-60-8	A.I. CODE: 090501	NOEL=	0.00 ppm	Positive for oncogenicity in the rat and mouse.	OPP RfD= 0.010000						
CFR No. 180.249	ONCO: Class B2 (TOX NOTE).	LEL=	3.0000 mg/kg 0.00 ppm	Special Review chemical.	EPA RfD= 0.010000						

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53006FA	PORK - FAT	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000050C BEST ESTIMATE	100.00	0.000050	
53006KA	PORK - KIDNEY	21 COOKED - NFS	9F0740	0.020000	0.000050C BEST ESTIMATE	100.00	0.000050	
53006LA	PORK - LIVER	21 COOKED - NFS	9F0740	0.020000	0.000080C BEST ESTIMATE	100.00	0.000080	
53006MA	PORK - LIVER	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000080C BEST ESTIMATE	100.00	0.000080	
53006NA	PORK - LEAN	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53006PA	PORK - LEAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53006QA	PORK - LEAN	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53006RA	TURKEY - BYP	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53006SA	TURKEY - BYP	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53006TA	TURKEY ORGAN	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53006UA	TURKEY ORGAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53006VA	TURKEY W/O SKIN	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53006WA	TURKEY W/O SKIN	31 COOKED - FRESH OR CANNED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53006XA	TURKEY W/O SKIN	62 COOKED - FRESH OR FROZEN - BAKED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53006YB	TURKEY + SKIN	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53006YB	TURKEY + SKIN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53006YC	TURKEY - UNSPEC	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53013BA	POULTRY, OTH - BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53013LA	POULTRY, ORGAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53013WA	EGGS - WHOLE	10 RAW - FRESH OR NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AA	EGGS - WHOLE	21 COOKED - NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AA	EGGS - WHOLE	22 COOKED - FRESH - BAKED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AA	EGGS - WHOLE	23 COOKED - FRESH - BOILED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AA	EGGS - WHOLE	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AB	EGGS - WHITE ONLY	10 RAW - FRESH OR NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AB	EGGS - WHITE ONLY	21 COOKED - NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AB	EGGS - WHITE ONLY	22 COOKED - FRESH - BAKED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AB	EGGS - WHITE ONLY	62 COOKED - FRESH OR FROZEN - BAKED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AB	EGGS - WHITE ONLY	81 COOKED - FROZEN	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AC	EGGS - YOLK ONLY	10 RAW - FRESH OR NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AC	EGGS - YOLK ONLY	21 COOKED - NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AC	EGGS - YOLK ONLY	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53014AC	EGGS - YOLK ONLY	31 COOKED - FRESH OR CANNED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	0.000090	
53015BA	CHICKEN - BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53015LA	CHICKEN - ORGAN	25 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53015LA	CHICKEN - ORGAN	26 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	0.000030	
53015MA	CHICKEN - W/O SKIN	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	
53015MA	CHICKEN - W/O SKIN	22 COOKED - FRESH - BAKED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	0.000010	

Table 4 (cont.)

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor		1yr feeding- dog		Hemosiderosis, hemolytic anemia.		PADI 100		Rabbit teratology (Supp).		TOX complete 2/21/86.	
Caswell #011		NOEL= 1.0000 mg/kg		Positive for oncogenicity in the rat and mouse.		OPP RfD= 0.010000				ORD verified 3/11/86.	
CAS NO. 15972-60-8		0.00 ppm				EPA RfD= 0.010000					
A.I. CODE: 090501		LEL= 3.0000 mg/kg									
CFR NO. 180.249		0.00 ppm				WHO RfD 0.000000					
ONCO: Class B2 (TOX NOTE).											

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.000010C BEST ESTIMATE		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	9F0740	0.020000	0.000010C BEST ESTIMATE		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	9F0740	0.020000	0.000010C BEST ESTIMATE		100.00	0.000010
55015MB	CHICKEN+SKIN	21 COOKED-NFS	9F0740	0.020000	0.000010C BEST ESTIMATE		100.00	0.000010
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	9F0740	0.020000	0.000010C BEST ESTIMATE		100.00	0.000010
65015AC	WATER--NON-FOOD	10 RAW-FRESH OR NFS		0.001500	0.001500C		100.00	0.001500

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor	Caswell #011	1yr feeding- dog	MOEL=	Hemolysis, hemolytic anemia.	Positive for oncogenicity in the rat and mouse. Special Review chemical.	PA1 100	OPP RfD= 0.010000 EPA RfD= 0.010000	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.		
CAS No. 15972-60-8	A.I. CODE: 090501	LEL=	3.0000 mg/kg								
CFR No. 180.249	ONCO: Class B2 (TOX NOTE).		0.00 ppm			WHO RfD 0.000000	Type:				

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	THRC TYPE (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
CROP GROUP TOTALS FOR UNSPECIFIED:							
15018AA	SUNFLOWER-SEEDS	0.250000	P	0.000433	0.004330		
270030A	10 RAW-FRESH OR NFS				0.017000	0.000029	0.000290
270030A	COTTONSEED-OIL	0.050000	P	0.001020	0.010200		
270030A	18 PROCESSED OIL				0.000004	0.000000	0.000000
270030A	COTTONSEED-MEAL	0.050000	P	0.000006	0.000060		
270100A	18 PROCESSED OIL	0.250000	P	0.000621	0.006210		
270100A	SUNFLOWER-OIL				0.000160	0.000000	0.000000
65015AC	18 PROCESSED OIL	0.001500	N	0.019455	0.194550		
65015AC	WATER--NON-FOOD BASED				0.001500	0.019455	0.194550
65015AC	10 RAW-FRESH OR NFS						
CROP GROUP TOTALS FOR UNSPECIFIED:							
14013AA	POTATOES(WHITE)-WHOLE	0.100000	P	0.034006	0.340060		
14013AA	10 RAW-FRESH OR NFS				0.000000	0.000000	0.000000
14013AA	21 COOKED-NFS				0.000000	0.000000	0.000000
14013AB	22 COOKED-FRESH-BAKED	0.100000	P	0.000008	0.000080		
14013AB	POTATOES(WHITE)-UNSPECIFIED				0.000000	0.000000	0.000000
14013AB	22 COOKED-FRESH-BAKED				0.000000	0.000000	0.000000
14013AC	POTATOES(WHITE)-PEELED	0.100000	P	0.078426	0.784260		
14013AC	21 COOKED-NFS				0.000000	0.000000	0.000000
14013AC	22 COOKED-FRESH-BAKED				0.000000	0.000000	0.000000
14013AC	23 COOKED-FRESH-BOILED				0.000000	0.000000	0.000000
14013AC	25 COOKED-FRESH-FRIED				0.000000	0.000000	0.000000
140130A	POTATOES(WHITE)-DRY	0.100000	P	0.000845	0.008450		
140130A	10 RAW-FRESH OR NFS				0.000000	0.000000	0.000000
140130A	31 COOKED-FRESH OR CANNED				0.000000	0.000000	0.000000
140130A	POTATOES(WHITE)-PEEL ONLY	0.100000	P	0.000002	0.000020		
140130A	22 COOKED-FRESH-BAKED				0.000000	0.000000	0.000000
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:							
15001AA	BEANS-DRY-GREAT NORTHERN	0.100000	P	0.000000	0.000000		
15001AA	00 NOT SPECIFIED (NO CONSUMPTION)				0.031500	0.000000	0.000000
15001AB	BEANS-DRY-KIDNEY	0.100000	P	0.001363	0.013630		
15001AB	21 COOKED-NFS				0.031500	0.000372	0.003720
15001AB	31 COOKED-FRESH OR CANNED				0.031500	0.000057	0.000570
15001AC	BEANS-DRY-LIMA	0.100000	P	0.000799	0.007990		
15001AC	21 COOKED-NFS				0.031500	0.000252	0.002520
15001AD	BEANS-DRY-NAVY (PEA)	0.100000	P	0.003741	0.037410		
15001AD	21 COOKED-NFS				0.031500	0.000279	0.002790

Table 5 (cont'd)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog NOEL= 1,000 mg/kg 0.00 ppm LEL= 3,000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemosiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OP RfD= 0.010000 EPA RfD= 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
15001AE	31 COOKED-FRESH OR CANNED BEANS-DRY-OTHER 21 COOKED-NFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.100000	P	0.003983	0.039830	0.031500	0.000900	0.009000
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	0.100000	P	0.003635	0.036350	0.031500	0.000550	0.005500
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100000	P	0.002566	0.025660	0.031500	0.000203	0.002030
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.050000	P	0.003479	0.034790	0.031500	0.001145	0.011450
15007AA	PEAS(GARDEN)-MATURE SEEDS, DRY 21 COOKED-NFS 22 COOKED-FRESH-BAKED	0.100000	P	0.000175	0.001750	0.167400	0.000176	0.001760
15009AA	PEAS(GARDEN)-GREEN IMMATURE 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.100000	P	0.017200	0.172000	0.167400	0.010766	0.107660
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100000	P	0.000665	0.006650	0.000900	0.000016	0.000160
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.100000	P	0.000000	0.000000	0.000900	0.000003	0.000030
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	0.100000	P	0.000004	0.000040	0.003600	0.000004	0.000040
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	0.100000	P	0.000523	0.005230	0.031500	0.000001	0.000010
15029AA	SOYBEANS-SPROUTED SEEDS 00 NOT SPECIFIED (NO CONSUMPTION)	0.200000	P	0.000000	0.000000	0.031500	0.000165	0.001650
270070A	PEANUTS-OIL 18 PROCESSED OIL	0.050000	P	0.000261	0.002610	0.044100	0.000000	0.000000
270100A	SOYBEANS-OIL 18 PROCESSED OIL	0.200000	P	0.064431	0.644310	0.012400	0.000065	0.000650
28023AA	SOYBEANS-UNSPECIFIED 21 COOKED-NFS	0.200000	P	0.000104	0.001040	0.008400	0.002706	0.027060
28023AB	SOYBEANS-MATURE, SEEDS DRY 10 RAW-FRESH OR NFS 21 COOKED-NFS 23 COOKED-FRESH-BOTTLED	0.200000	P	0.000180	0.001800	0.044100	0.000023	0.000230
						0.044100	0.000013	0.000130
						0.044100	0.000006	0.000060
						0.044100	0.000005	0.000050

Table 5 (cont)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Atachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog NOEL= 1.0000 mg/kg 0.00 ppm LEI= 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemolysis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD= 0.010000 EPA RfD= 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
28023MA	25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED SOYBEANS-FLOUR, FULL FAT	0.200000	P	0.000584	0.005840	0.044100 0.044100	0.000011 0.000005	0.000110 0.000050
28023MB	21 COOKED-NFS 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED	0.200000	P	0.000190	0.001900	0.044100 0.044100 0.044100	0.000040 0.000063 0.000026	0.000400 0.000630 0.000260
28023MC	21 COOKED-NFS SOYBEANS-FLOUR, DEFATTED 10 RAW-FRESH OR NFS	0.200000	P	0.002492	0.024920	0.014700 0.014700 0.014700	0.000014 0.000009 0.000012	0.000140 0.000090 0.000120
	21 COOKED-NFS 22 COOKED-FRESH-BAKED 51 COOKED-CANNED 53 COOKED-CANNED-BOILED					0.014700 0.014700 0.014700	0.000077 0.000046 0.000039	0.000770 0.000460 0.000390
CROP GROUP TOTALS FOR LEGUME VEGETABLES:		0.106375		1.063750			0.019713	0.197130
15005AA	CORN, SWEET 10 RAW-FRESH OR NFS	0.050000	P	0.011835	0.118350	0.001750 0.001750	0.000000 0.000349	0.000000 0.003490
	21 COOKED-NFS 31 COOKED-FRESH OR CANNED					0.001750	0.000065	0.000650
24002EA	CORN, GRAIN-ENDOSPERM 10 RAW-FRESH OR NFS	0.200000	P	0.033080	0.330800	0.005600 0.005600	0.000003 0.000122	0.000030 0.001220
	21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED					0.005600 0.005600 0.005600	0.000688 0.000113	0.006880 0.001130
24002HA	CORN, GRAIN-BRAN 00 NOT SPECIFIED (NO CONSUMPTION)	0.200000	P	0.000000	0.000000	0.005600	0.000000	0.000000
24002SA	CORN SUGAR 10 RAW-FRESH OR NFS	0.200000	P	0.029150	0.291500	0.005600 0.005600	0.000021 0.000472	0.000210 0.004720
	21 COOKED-NFS 22 COOKED-FRESH-BAKED					0.005600	0.000051	0.000510
24006AA	SORGHUM (INCLUDING MILO) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000000	P	0.023769	0.237690	0.004240	0.000000	0.000000
270020A	CORN, GRAIN-OIL 18 PROCESSED OIL	0.200000	P	0.004560	0.045600	0.000665	0.000015	0.000150
CROP GROUP TOTALS FOR CEREAL GRAINS:		0.102394		1.023940			0.001899	0.018990

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor	Caswell #011	1yr feeding- dog	NOEL= 1.0000 mg/kg	Hemolysis, hemolytic anemia.	PADI 100	OPP RfD= 0.010000	EPA RfD= 0.010000	Rabbit teratology (Supp).	TOX complete 2/21/86.		
A.I. CODE: 090501	CAS No. 15972-60-8	LEL= 3.0000 mg/kg		Positive for oncogenicity in the rat and mouse.					ORD verified 3/11/86.		
CFR No. 180.249		0.00 ppm		Special Review chemical.	WHO RfD 0.000000	Type:					
		ONCO: Class B2 (TOX NOTE).									

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
53001BA	BEEF-MEAT BYPRODUCTS	0.020000	P	0.000353	0.003530			
	21 COOKED-NFS					0.001910	0.000031	0.000310
53001BB	BEEF(ORGAN MEATS)-OTHER	0.020000	P	0.000121	0.001210	0.001910	0.000002	0.000020
	21 COOKED-NFS					0.001910	0.000010	0.000100
	51 COOKED-CANNED					0.001910	0.000002	0.000020
53001DA	BEEF-DRIED	0.020000	P	0.000051	0.000510			
	21 COOKED-NFS					0.000260	0.000001	0.000010
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	0.020000	P	0.007442	0.074420	0.000420	0.000001	0.000010
	10 RAW-FRESH OR NFS					0.000420	0.000062	0.000620
	21 COOKED-NFS					0.000420	0.000010	0.000100
	22 COOKED-FRESH-BAKED					0.000420	0.000014	0.000140
	23 COOKED-FRESH-BOILED					0.000420	0.000060	0.000600
	24 COOKED-FRESH-BROILED					0.000420	0.000009	0.000090
53001KA	BEEF(ORGAN MEATS)-KIDNEY	0.020000	P	0.000010	0.000100	0.001910	0.000001	0.000010
	21 COOKED-NFS					0.001710	0.000035	0.000350
53001LA	BEEF(ORGAN MEATS)-LIVER	0.020000	P	0.000414	0.004140	0.001710	0.000000	0.000000
	25 COOKED-FRESH-BAKED					0.000260	0.000000	0.000000
	31 COOKED-FRESH OR CANNED					0.000260	0.000012	0.000120
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVABLE FAT)	0.020000	P	0.023240	0.232400	0.000260	0.000019	0.000190
	10 RAW-FRESH OR NFS					0.000260	0.000091	0.000910
	21 COOKED-NFS					0.000260	0.000000	0.000000
	22 COOKED-FRESH-BAKED					0.000260	0.000180	0.001800
	23 COOKED-FRESH-BOILED					0.000260	0.000012	0.000120
	24 COOKED-FRESH-BROILED					0.000260	0.000019	0.000190
53002BA	GOAT-MEAT BYPRODUCTS	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.001910	0.000000	0.000000
53002BB	GOAT(ORGAN MEATS)-OTHER	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.001910	0.000000	0.000000
53002FA	GOAT(BONELESS)-FAT	0.020000	P	0.000001	0.000010	0.000420	0.000000	0.000000
	23 COOKED-FRESH-BOILED					0.000420	0.000000	0.000000
	25 COOKED-FRESH-FRIED					0.000420	0.000000	0.000000
53002KA	GOAT(ORGAN MEATS)-KIDNEY	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.001910	0.000000	0.000000
53002LA	GOAT(ORGAN MEATS)-LIVER	0.020000	P	0.000000	0.000000	0.001710	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.001710	0.000000	0.000000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVABLE FAT)	0.020000	P	0.000004	0.000040	0.000260	0.000000	0.000000
	23 COOKED-FRESH-BOILED					0.000260	0.000000	0.000000
	25 COOKED-FRESH-FRIED					0.000260	0.000000	0.000000
53003AA	HORSE	0.020000	P	0.000000	0.000000	0.000260	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.000260	0.000000	0.000000

Table 5 (cont)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Atachlor	Caswell #011	1yr feeding- dog	NOEL= 1.0000 mg/kg	Hemosiderosis, hemolytic anemia.	PADI 100	OPP RfD= 0.010000	Rabbit teratology (Supp).	TOX complete 2/21/86.	ORD verified 3/11/86.		
	CAS No. 15972-60-8		0.00 ppm	Positive for oncogenicity in the rat and mouse.	EPA RfD= 0.010000						
	A.I. CODE: 090501		LEL= 3.0000 mg/kg	Special Review chemical.	WHO RfD 0.000000						
	CFR No. 180.269		0.00 ppm		Type:						
			ONCO: Class B2 (TOX NOTE).								

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	TMRC	2RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	2RFD
53005BA	SHEEP-MEAT BYPRODUCTS	0.020000	P	0.000001	0.000010	0.001910	0.000000	0.000000
	21 COOKED-NFS							
53005BB	SHEEP(ORGAN MEATS)-OTHER	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	21 COOKED-NFS							
53005FA	SHEEP(BONELESS)-FAT	0.020000	P	0.000086	0.000860	0.000420	0.000002	0.000020
	21 COOKED-NFS							
53005KA	SHEEP(ORGAN MEATS)-KIDNEY	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	21 COOKED-NFS							
53005LA	SHEEP(ORGAN MEATS)-LIVER	0.020000	P	0.000000	0.000000	0.001710	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)							
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVABLE FAT)	0.020000	P	0.000250	0.002500	0.000260	0.000003	0.000030
	21 COOKED-NFS							
	31 COOKED-FRESH OR CANNED							
53006BA	PORK-MEAT BYPRODUCTS	0.020000	P	0.000502	0.005020	0.000080	0.000002	0.000020
	21 COOKED-NFS							
53006BB	PORK(ORGAN MEATS)-OTHER	0.020000	P	0.000077	0.000770	0.000080	0.000000	0.000000
	21 COOKED-NFS							
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD)	0.020000	P	0.004164	0.041640	0.000080	0.000000	0.000000
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED							
	10 RAW-FRESH OR NFS							
	21 COOKED-NFS							
	23 COOKED-FRESH-BOILED							
	25 COOKED-FRESH-FRIED							
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED							
53006KA	PORK(ORGAN MEATS)-KIDNEY	0.020000	P	0.000000	0.000000	0.000050	0.000000	0.000000
	21 COOKED-NFS							
53006LA	PORK(ORGAN MEATS)-LIVER	0.020000	P	0.000096	0.000960	0.000080	0.000000	0.000000
	21 COOKED-NFS							
	25 COOKED-FRESH-FRIED							
53006MA	PORK(BONELESS)-LEAN (W/O REMOVABLE FAT)	0.020000	P	0.007825	0.078250	0.000030	0.000005	0.000050
	21 COOKED-NFS							
	25 COOKED-FRESH-FRIED							
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED							
CROP GROUP TOTALS FOR RED MEAT:		0.044637		0.446370		0.000568		0.005680

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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Table 5 (cont.)

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PADI	100		
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog MOEL= 1.0000 mg/kg 0.00 ppm LEI= 3.0000 mg/kg 0.00 ppm	Hemolysis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	OPP RfD= 0.010000 EPA RfD= 0.010000	WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.
OMCO: Class B2 (TOX NOTE).						

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
55008BA	21 COOKED-NFS TURKEY-BYPRODUCTS	0.020000	P	0.000005	0.000050	0.000030	0.000000	0.000000
55008LA	26 COOKED-FRESH-PICKLED, CORNED, OR CURED TURKEY-GIBLETS (LIVER)	0.020000	P	0.000001	0.000010	0.000030	0.000000	0.000000
55008MA	25 COOKED-FRESH-FRIED TURKEY-FLESH(W/O SKIN, W/O BONES)	0.020000	P	0.000159	0.001590	0.000030	0.000000	0.000000
55008MB	31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED TURKEY-FLESH(+SKIN, W/O BONES)	0.020000	P	0.000963	0.009630	0.000010	0.000000	0.000000
55008MC	21 COOKED-NFS TURKEY-UNSPECIFIED	0.020000	P	0.000002	0.000020	0.000010	0.000000	0.000000
55013BA	21 COOKED-NFS POULTRY, OTHER-BYPRODUCTS	0.020000	P	0.000000	0.000000	0.000030	0.000000	0.000000
55013LA	00 NOT SPECIFIED (NO CONSUMPTION) POULTRY, OTHER-GIBLETS(LIVER)	0.020000	P	0.000005	0.000050	0.000030	0.000000	0.000000
55013MA	25 COOKED-FRESH-FRIED POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	0.020000	P	0.000108	0.001080	0.000030	0.000000	0.000000
55015BA	21 COOKED-NFS CHICKEN-BYPRODUCTS	0.020000	P	0.000000	0.000000	0.000030	0.000000	0.000000
55015LA	00 NOT SPECIFIED (NO CONSUMPTION) CHICKEN-GIBLETS(LIVER)	0.020000	P	0.000101	0.001010	0.000030	0.000000	0.000000
55015MA	25 COOKED-FRESH-FRIED 26 COOKED-FRESH-PICKLED, CORNED, OR CURED CHICKEN-FLESH(W/O SKIN, W/O BONES)	0.020000	P	0.001203	0.012030	0.000010	0.000000	0.000000
55015MB	22 COOKED-FRESH-BAKED 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED 53 COOKED-CANNED-BOILED CHICKEN-FLESH(+SKIN, W/O BONES)	0.020000	P	0.007586	0.075860	0.000010	0.000002	0.000020
55015MB	21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.020000	P	0.007586	0.075860	0.000010	0.000002	0.000020
CROP GROUP TOTALS FOR POULTRY:		0.010133		0.101330		0.000004		0.000040

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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Table 5 (cont)

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor		1yr feeding- dog		Hemosiderosis, hemolytic anemia.	PADI	100		Rabbit teratology (Supp).		TOX complete 2/21/86.	ORD verified 3/11/86.
Caswell #011		NOEL=	1,0000 mg/kg		OPP RfD=	0.010000					
CAS No. 15972-60-8			0.00 ppm	Positive for oncogenicity in the rat and mouse.	EPA RfD=	0.010000					
A.I. CODE: 090501		LEL=	3,0000 mg/kg								
CFR No. 180.249			0.00 ppm	Special Review chemical.	WHO RfD	0.000000					
		ONCO: Class B2 (TOX NOTE).				Type:					

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE		TYPE	TMRC (UG/KG/DAY)	XRFD	ANTICIPATED		XRFD
		(PPM)					RESIDUE (PPM)	ARC (UG/KG/DAY)	
50000DB	MILK-NON-FAT SOLIDS 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.020000	P	0.142727	1.427270		0.000480 0.000480 0.000480 0.000480	0.002738 0.000555 0.000121 0.001279	0.027380 0.005550 0.001210 0.012790
50000FA	MILK-FAT SOLIDS 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.020000	P	0.067896	0.678960		0.000480 0.000480 0.000480 0.000480	0.001279 0.000341 0.000005 0.000005	0.012790 0.003410 0.000050 0.000050
50000SA	MILK SUGAR (LACTOSE) 21 COOKED-NFS 51 COOKED-CANNED	0.020000	P	0.000749	0.007490		0.000480 0.000480 0.000018	0.000000 0.000018 0.000180	0.000000 0.000180 0.000180
55014AA	EGGS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.020000	P	0.011290	0.112900		0.000090 0.000090 0.000090 0.000090 0.000090 0.000090	0.000000 0.000028 0.000005 0.000002 0.000015 0.000015	0.000000 0.000280 0.000050 0.000020 0.000150 0.000150
55014AB	EGGS-WHITE ONLY 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 62 COOKED-FRESH OR FROZEN-BAKED 81 COOKED-FROZEN	0.020000	P	0.000184	0.001840		0.000090 0.000090 0.000090 0.000090 0.000090 0.000090	0.000000 0.000000 0.000001 0.000000 0.000000 0.000000	0.000000 0.000000 0.000010 0.000000 0.000000 0.000000
55014AC	EGGS-YOLK ONLY 10 RAW-FRESH OR NFS 21 COOKED-NFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.020000	P	0.000133	0.001330		0.000090 0.000090 0.000090 0.000090 0.000090	0.000000 0.000000 0.000000 0.000000 0.000000	0.000000 0.000000 0.000000 0.000000 0.000000
CROP GROUP TOTALS FOR DAIRY PRODUCTS:		0.222979			2.229790		0.005108		0.051080

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

Table 5 (cont)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog NOEL= 1.0000 mg/kg 0.00 ppm LEI= 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hem siderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD= 0.010000 EPA RfD= 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
15018AA	SUNFLOWER-SEEDS 10 RAW-FRESH OR NFS	0.250000	P	0.000609	0.006090	0.017000	0.000041	0.000410
270030A	COTTONSEED-OIL 18 PROCESSED OIL	0.050000	P	0.001818	0.018180	0.000004	0.000000	0.000000
27003WA	COTTONSEED-MEAL 18 PROCESSED OIL	0.050000	P	0.000026	0.000260	0.000410	0.000000	0.000000
270110A	SUNFLOWER-OIL 18 PROCESSED OIL	0.250000	P	0.001118	0.011180	0.000160	0.000001	0.000010
65015AC	WATER--NON-FOOD BASED 10 RAW-FRESH OR NFS	0.001500	N	0.042728	0.427280	0.001500	0.042728	0.427280
CROP GROUP TOTALS FOR UNSPECIFIED:		0.046299		0.462990		0.042770		0.427700

14013AA	POTATOES(WHITE)-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	0.100000	P	0.057998	0.579980	0.000000	0.000000	0.000000
14013AB	POTATOES(WHITE)-UNSPECIFIED 22 COOKED-FRESH-BAKED	0.100000	P	0.000019	0.000190	0.000000	0.000000	0.000000
14013AC	POTATOES(WHITE)-PEELED 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.100000	P	0.164854	1.648540	0.000000	0.000000	0.000000
14013DA	POTATOES(WHITE)-DRY 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED	0.100000	P	0.002212	0.022120	0.000000	0.000000	0.000000
14013HA	POTATOES(WHITE)-PEEL ONLY 22 COOKED-FRESH-BAKED	0.100000	P	0.000000	0.000000	0.000000	0.000000	0.000000
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:		0.225083		2.250830		0.000000		0.000000

15001AA	BEANS-DRY-GREAT NORTHERN 00 NOT SPECIFIED (NO CONSUMPTION)	0.100000	P	0.000000	0.000000	0.031500	0.000000	0.000000
15001AB	BEANS-DRY-KIDNEY 21 COOKED-NFS	0.100000	P	0.002929	0.029290	0.031500	0.000903	0.009030
15001AC	BEANS-DRY-LIMA 31 COOKED-FRESH OR CANNED	0.100000	P	0.001404	0.014040	0.031500	0.000020	0.000200
15001AD	BEANS-DRY-NAVY (PEA) 21 COOKED-NFS	0.100000	P	0.008781	0.087810	0.031500	0.000442	0.004420
						0.031500	0.000561	0.005610

Table 5 (con't)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog NOEL= 1.0000 mg/kg 0.00 ppm LEL= 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemolysis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD= 0.010000 EPA RfD= 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
15001AE	31 COOKED-FRESH OR CANNED BEANS-DRY-OTHER 21 COOKED-NFS	0.100000	P 0.007855	0.078550	0.031500	0.002205	0.022050
15001AF	25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED BEANS-DRY-PINTO 21 COOKED-NFS	0.100000	P 0.008691	0.086910	0.031500 0.031500 0.031500	0.000931 0.000490 0.001054	0.009310 0.004900 0.010540
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100000	P 0.003863	0.038630	0.031500	0.002738	0.027380
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.050000	P 0.011346	0.113460	0.004200 0.004200	0.000000 0.000162	0.000000 0.001620
15007AA	22 COOKED-FRESH-BAKED PEAS(GARDEN)-MATURE SEEDS, DRY 21 COOKED-NFS	0.100000	P 0.000307	0.003070	0.003600	0.000001	0.000010
15009AA	31 COOKED-FRESH OR CANNED PEAS(GARDEN)-GREEN IMMATURE 21 COOKED-NFS	0.100000	P 0.037298	0.372980	0.003600	0.000010	0.000100
15013AA	31 COOKED-FRESH OR CANNED MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100000	P 0.000833	0.008330	0.000900 0.000900	0.000300 0.000035	0.003000 0.000350
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.100000	P 0.000000	0.000000	0.031500 0.031500	0.000051 0.000212	0.000510 0.002120
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	0.100000	P 0.000000	0.000000	0.031500	0.000000	0.000000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	0.100000	P 0.001074	0.010740	0.031500	0.000000	0.000000
15029AA	SOYBEANS-SPROUTED SEEDS 00 NOT SPECIFIED (NO CONSUMPTION)	0.200000	P 0.000000	0.000000	0.031500	0.000338	0.003380
270070A	PEANUTS-OIL 18 PROCESSED OIL	0.050000	P 0.000417	0.004170	0.044100	0.000000	0.000000
270100A	SOYBEANS-OIL 18 PROCESSED OIL	0.200000	P 0.119472	1.194720	0.012400	0.000103	0.001030
28023AA	SOYBEANS-UNSPECIFIED 21 COOKED-NFS	0.200000	P 0.000122	0.001220	0.008400	0.005018	0.050180
28023AB	SOYBEANS-MATURE, SEEDS DRY 10 RAW-FRESH OR NFS 21 COOKED-NFS 23 COOKED-FRESH-BOILED	0.200000	P 0.000149	0.001490	0.044100 0.044100 0.044100	0.000027 0.000020 0.000003	0.000270 0.000200 0.000030

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding- dog NOEL= 1.0000 mg/kg 0.00 ppm 3.0000 mg/kg LEL= 0.00 ppm	Hemolysis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP Rfd= 0.010000 EPA Rfd= 0.010000 WHO Rfd 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.
ONCO: Class B2 (TOX NOTE).					

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
CROP GROUP TOTALS FOR CEREAL GRAINS:								
15005AA	CORN, SHEET	0.050000	P	0.027370	0.273700	0.001750	0.000000	0.000000
	10 RAW-FRESH OR NFS					0.001750	0.000800	0.008000
	21 COOKED-NFS					0.001750	0.000158	0.001580
24002EA	CORN, GRAIN-ENDOSPERM	0.200000	P	0.090054	0.900540	0.005600	0.000006	0.000060
	10 RAW-FRESH OR NFS					0.005600	0.000212	0.002120
	21 COOKED-NFS					0.005600	0.001918	0.019180
	22 COOKED-FRESH-BAKED					0.005600	0.000385	0.003850
24002HA	CORN, GRAIN-BRAN	0.200000	P	0.000000	0.000000	0.005600	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.005600	0.000021	0.000210
24002SA	CORN SUGAR	0.200000	P	0.074739	0.747390	0.005600	0.001233	0.012330
	10 RAW-FRESH OR NFS					0.005600	0.000141	0.001410
	21 COOKED-NFS					0.005600	0.000000	0.000000
24006AA	SORGHUM (INCLUDING MILLO)	1.000000	P	0.000000	0.000000	0.004240	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.004240	0.000000	0.000000
270020A	CORN, GRAIN-OIL	0.200000	P	0.008370	0.083700	0.000665	0.000028	0.000280
	18 PROCESSED OIL					0.000665	0.000028	0.000280
CROP GROUP TOTALS FOR CEREAL GRAINS:								
		0.200533		2.005330		0.004902		0.049020

CROP GROUP TOTALS FOR LEGUME VEGETABLES:

0.212034 2.120340

0.054372 0.543720

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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Table 5 (cont.)

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS
			1yr feeding- dog NOEL= 1.0000 mg/kg 0.00 ppm 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemosiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD= 0.010000 EPA RfD= 0.010000 WHO RfD 0.000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	%MFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%MFD
53001BA	BEEF -MEAT BYPRODUCTS 21 COOKED -MFS 26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0.020000	P	0.000997	0.009970	0.001910	0.000090
53001BB	BEEF(ORGAN MEATS)-OTHER 21 COOKED -MFS 51 COOKED -CANNED	0.020000	P	0.000272	0.002720	0.001910	0.000005
53001DA	BEEF -DRIED 21 COOKED -MFS 10 RAW-FRESH OR MFS	0.020000	P	0.000119	0.001190	0.001910	0.000020
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW) 21 COOKED -MFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 24 COOKED-FRESH-BROILED 25 COOKED-FRESH-FRIED	0.020000	P	0.013385	0.133850	0.000420	0.000001
53001KA	BEEF(ORGAN MEATS)-KIDNEY 21 COOKED -MFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.020000	P	0.000380	0.003800	0.000420	0.0000127
53001LA	BEEF(ORGAN MEATS)-LIVER 21 COOKED -MFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 24 COOKED-FRESH-BROILED 25 COOKED-FRESH-FRIED	0.020000	P	0.000566	0.005660	0.000420	0.000023
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVABLE FAT) 10 RAW-FRESH OR MFS 21 COOKED -MFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 24 COOKED-FRESH-BROILED 25 COOKED-FRESH-FRIED	0.020000	P	0.041954	0.419540	0.000420	0.000074
53002BA	GOAT-MEAT BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.000420	0.000014
53002BB	GOAT(ORGAN MEATS)-OTHER 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.001910	0.000004
53002FA	GOAT(BONELESS)-FAT 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.020000	P	0.000000	0.000000	0.001910	0.000004
53002KA	GOAT(ORGAN MEATS)-KIDNEY 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.000420	0.000001
53002LA	GOAT(ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.000420	0.0000026
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVABLE FAT) 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.020000	P	0.000000	0.000000	0.000420	0.0000050
53003AA	HORSE 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.000420	0.0000112

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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Table 5 (cont.)

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Atachlor	Caswell #011	1yr feeding - dog	NOEL = 1.0000 mg/kg	Hemolysis, hemolytic anemia.		PADI 100		Rabbit teratology (Supp).		TOX complete 2/21/86.	
	CAS No. 15972-60-8		0.00 ppm	Positive for oncogenicity in the rat and mouse.		OPP RfD = 0.010000				ORD verified 3/11/86.	
	A.I. CODE: 090501		LEL = 3.0000 mg/kg			EPA RfD = 0.010000					
	CFR No. 180.249		0.00 ppm	Special Review chemical.		WHO RfD 0.000000					
		ONCO: Class B2 (TOX NOTE).				Type:					

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
53005BA	SHEEP-MEAT BYPRODUCTS	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	21 COOKED-NFS							
53005BB	SHEEP(ORGAN MEATS)-OTHER	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	21 COOKED-NFS							
53005FA	SHEEP(BONELESS)-FAT	0.020000	P	0.000076	0.000760	0.000420	0.000002	0.000020
	21 COOKED-NFS							
53005KA	SHEEP(ORGAN MEATS)-KIDNEY	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
	21 COOKED-NFS							
53005LA	SHEEP(ORGAN MEATS)-LIVER	0.020000	P	0.000000	0.000000	0.001710	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)							
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT	0.020000	P	0.000234	0.002340	0.000260	0.000002	0.000020
	21 COOKED-NFS							
	31 COOKED-FRESH OR CANNED					0.000260	0.000001	0.000010
53006BA	PORK-MEAT BYPRODUCTS	0.020000	P	0.001201	0.012010	0.000080	0.000005	0.000050
	21 COOKED-NFS							
53006BB	PORK(ORGAN MEATS)-OTHER	0.020000	P	0.000172	0.001720	0.000080	0.000001	0.000010
	21 COOKED-NFS							
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD)	0.020000	P	0.008515	0.085150	0.000050	0.000000	0.000000
	10 RAW-FRESH OR NFS							
	21 COOKED-NFS							
	23 COOKED-FRESH-BOILED					0.000050	0.000010	0.000100
	25 COOKED-FRESH-FRIED					0.000050	0.000004	0.000040
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED					0.000050	0.000003	0.000030
53006KA	PORK(ORGAN MEATS)-KIDNEY	0.020000	P	0.000000	0.000000	0.000050	0.000000	0.000000
	21 COOKED-NFS							
53006LA	PORK(ORGAN MEATS)-LIVER	0.020000	P	0.000159	0.001590	0.000080	0.000001	0.000010
	21 COOKED-NFS							
	25 COOKED-FRESH-FRIED					0.000080	0.000000	0.000000
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.020000	P	0.013946	0.139460	0.000030	0.000010	0.000100
	21 COOKED-NFS							
	25 COOKED-FRESH-FRIED					0.000030	0.000003	0.000030
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED					0.000030	0.000008	0.000080
CROP GROUP TOTALS FOR RED MEAT:		0.081634		0.816340		0.001057		0.010570

Table 5 (cont)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor	Caswell #011	1yr feeding- dog	NOEL= 1.0000 mg/kg	Hemolysis, hemolytic anemia.	PADI 100	OPP Rfd= 0.010000	Rabbit teratology (Supp).	TOX complete 2/21/86.	ORD verified 3/11/86.		
	CAS No. 15972-60-8		0.00 ppm	Positive for oncogenicity in the rat and mouse.	EPA Rfd= 0.010000						
	A.I. CODE: 090501		LEL= 3.0000 mg/kg	Special Review chemical.	WHO Rfd 0.000000						
	CFR No. 180.249		0.00 ppm		Type:						
		ONCO: Class B2 (TOX NOTE).									

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
550088A	TURKEY-BYPRODUCTS						
	21 COOKED-NFS	0.020000	P	0.000009	0.000030	0.000000	0.000000
55008LA	TURKEY-GIBLETS (LIVER)						
	21 COOKED-NFS	0.020000	P	0.000000	0.000030	0.000000	0.000000
55008MA	TURKEY-FLESH(+SKIN, W/O BONES)						
	21 COOKED-NFS	0.020000	P	0.000232	0.000030	0.000000	0.000000
55008MB	TURKEY-FLESH(+SKIN, W/O BONES)						
	21 COOKED-NFS	0.020000	P	0.001612	0.000010	0.000001	0.000010
55008MC	TURKEY-UNSPECIFIED						
	21 COOKED-NFS	0.020000	P	0.000005	0.000010	0.000000	0.000000
550138A	POULTRY, OTHER-BYPRODUCTS						
	00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000030	0.000000	0.000000
55013LA	POULTRY, OTHER-GIBLETS(LIVER)						
	25 COOKED-FRESH-FRIED	0.020000	P	0.000002	0.000030	0.000000	0.000000
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)						
	21 COOKED-NFS	0.020000	P	0.000178	0.000030	0.000000	0.000000
550158A	CHICKEN-BYPRODUCTS						
	00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000030	0.000000	0.000000
55015LA	CHICKEN-GIBLETS(LIVER)						
	21 COOKED-NFS	0.020000	P	0.000171	0.000030	0.000000	0.000000
55015MA	CHICKEN-FRESH-FRIED						
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0.020000	P	0.002476	0.000010	0.000001	0.000010
	21 COOKED-NFS	0.020000	P	0.002476	0.000010	0.000000	0.000000
55015MB	CHICKEN-FLESH(+SKIN, W/O BONES)						
	21 COOKED-NFS	0.020000	P	0.015938	0.000010	0.000004	0.000004
	25 COOKED-FRESH-FRIED				0.000010	0.000004	0.000004
CROP GROUP TOTALS FOR POULTRY:				0.020623	0.0206230	0.000010	0.000100

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Alachlor	Caswell #011	1yr feeding- dog	NOEL= 1.0000 mg/kg	Hemolysis, hemolytic anemia.	Positive for oncogenicity in the rat and mouse. Special Review chemical.	OPP RfD= 0.010000 EPA RfD= 0.010000	WHO RfD 0.000000	Rabbit teratology (Supp.).	TOX complete 2/21/86. ORD verified 3/11/86.		
CAS No. 15972-60-8	A.I. CODE: 090501	LEL= 3.0000 mg/kg									
CFR No. 180.249	ONCO: Class 82 (TOX NOTE).	0.00 ppm									

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
500000B	MILK-NON-FAT SOLIDS	0.020000	P	0.430242	4.302420		
	10 RAW-FRESH OR NFS				0.000480	0.009002	0.090020
	21 COOKED-NFS				0.000480	0.001253	0.012530
	51 COOKED-CANNED				0.000480	0.000037	0.000370
50000FA	MILK-FAT SOLIDS	0.020000	P	0.190507	1.905070		
	10 RAW-FRESH OR NFS				0.000480	0.003794	0.037940
	21 COOKED-NFS				0.000480	0.000753	0.007530
	51 COOKED-CANNED				0.000480	0.000010	0.000100
50000SA	MILK SUGAR (LACTOSE)	0.020000	P	0.000112	0.001120		
	21 COOKED-NFS				0.000480	0.000000	0.000000
	51 COOKED-CANNED				0.000480	0.000003	0.000030
55014AA	EGGS-WHOLE	0.020000	P	0.025474	0.254740		
	10 RAW-FRESH OR NFS				0.000090	0.000001	0.000010
	21 COOKED-NFS				0.000090	0.000070	0.000700
	22 COOKED-FRESH-BAKED				0.000090	0.000011	0.000110
	23 COOKED-FRESH-BOILED				0.000090	0.000003	0.000030
	25 COOKED-FRESH-FRIED				0.000090	0.000030	0.000300
55016AB	EGGS-WHITE ONLY	0.020000	P	0.000320	0.003200		
	10 RAW-FRESH OR NFS				0.000090	0.000000	0.000000
	21 COOKED-NFS				0.000090	0.000000	0.000000
	22 COOKED-FRESH-BAKED				0.000090	0.000001	0.000010
	62 COOKED-FRESH OR FROZEN-BAKED				0.000090	0.000000	0.000000
	81 COOKED-FROZEN				0.000090	0.000000	0.000000
55016AC	EGGS-YOLK ONLY	0.020000	P	0.000205	0.002050		
	10 RAW-FRESH OR NFS				0.000090	0.000000	0.000000
	21 COOKED-NFS				0.000090	0.000000	0.000000
	25 COOKED-FRESH-FRIED				0.000090	0.000000	0.000000
	31 COOKED-FRESH OR CANNED				0.000090	0.000000	0.000000
CROP GROUP TOTALS FOR DAIRY PRODUCTS:				0.646860	6.468600	0.014968	0.149680

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