

US EPA ARCHIVE DOCUMENT



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)

DSJ 8/13/87

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).

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>	<u>Population</u>			
	<u>U.S. Average</u> <u>ARC^a</u>	<u>Average</u> <u>Risk^b</u>	<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

PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PADI	AS PERCENT OF RFD		
Alachlor Caswell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding - dog MOEL = 1.0000 mg/kg LEL = 0.00 ppm 3.0000 mg/kg 0.00 ppm	Hem siderosis, 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:	100	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.
ONCO: Class B2 (TOX NOTE).						
POPULATION SUBGROUP						
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)						
U.S. POPULATION - 48 STATES	0.000602	0.000621	6.213400	0.194550	0.000047	0.467760
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						
NORTH CENTRAL REGION	0.000545	0.000560	5.597380	0.149100	0.000041	0.406830
SOUTHERN REGION	0.000590	0.000609	6.089600	0.193310	0.000047	0.465810
WESTERN REGION	0.000577	0.000599	5.986930	0.216710	0.000048	0.481010
HISPANICS	0.000608	0.000630	6.300610	0.219390	0.000053	0.530070
NON-HISPANIC WHITES	0.000736	0.000761	7.607480	0.243460	0.000059	0.591210
NON-HISPANIC BLACKS	0.000566	0.000584	5.839340	0.181350	0.000046	0.455420
NON-HISPANICS OTHER	0.000585	0.000610	6.104060	0.256000	0.000049	0.490320
NURSING INFANTS (<1 YEAR OLD)	0.000561	0.000581	5.814380	0.201250	0.000046	0.456880
NON-NURSING INFANTS (<1 YEAR OLD)	0.000540	0.000567	5.668450	0.266130	0.000043	0.433330
FEMALES (13+ YEARS, PREGNANT)	0.002140	0.002182	21.815440	0.417580	0.000104	1.035820
FEMALES 13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD)	0.000407	0.000423	4.231020	0.157460	0.000037	0.367930
CHILDREN (7-12 YEARS OLD)	0.000474	0.000490	4.898900	0.158330	0.000041	0.410960
MALES (13-19 YEARS OLD)	0.001390	0.001433	14.330660	0.427280	0.000118	1.180790
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.000945	0.000972	9.716760	0.262910	0.000080	0.796990
MALES (20 YEARS AND OLDER)	0.000632	0.000650	6.497840	0.182580	0.000048	0.480820
FEMALES (20 YEARS AND OLDER)	0.000502	0.000518	5.183170	0.162590	0.000038	0.383620
FEMALES (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.

Table 4

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

DATE: 08/12/87

PAGE: 1

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 MOEL = 1.0000 mg/kg LEL = 0.00 ppm 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemioderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PA1 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.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAs RUN (ppm)
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
14013AB	POTATO(WH)-UNSP	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
14013AD	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)-DRY	22 COOKED-FRESH-BAKED	3F1372	0.100000	0.210000C BEST ESTIMATE		15.00	0.031500
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
15006AA	PEANUTS-WHOLE	31 COOKED-FRESH OR CANNED	9F0776	0.050000	0.005000C BEST ESTIMATE		62.00	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	0.120000C BEST ESTIMATE		3.00	0.003600
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
15013AA	MUNG BEANS	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

PAGE: 2

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).	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. 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-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN SUGAR	10 RAW-FRESH OR NFS	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN SUGAR	21 COOKED-NFS	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
24002EA	CORN SUGAR	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.016000C BEST ESTIMATE		35.00	0.005600
240066A	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	0.000400C 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
280234A	SOYBEANS-UNSPEC	21 COOKED-NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234B	SOYBEANS-DRY	10 RAW-FRESH OR NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234B	SOYBEANS-DRY	21 COOKED-NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234B	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234B	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234B	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234A	SOY-FL, FULL FAT	21 COOKED-NFS	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234A	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234A	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	9F0740	0.200000	0.210000C BEST ESTIMATE		21.00	0.044100
280234B	SOY-FL, LOW FAT	21 COOKED-NFS	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280234C	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280234C	SOY-FL, DEFAT	21 COOKED-NFS	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280234C	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280234C	SOY-FL, DEFAT	53 COOKED-CANNED	9F0740	0.200000	0.070000C BEST ESTIMATE		21.00	0.014700
280234C	SOY-FL, DEFAT	55 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
500000F	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000F	MILK-FAT SOLIDS	21 COOKED-NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000F	MILK-FAT SOLIDS	51 COOKED-CANNED	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000S	MILK SUG (LACT)	21 COOKED-NFS	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
500000S	MILK SUG (LACT)	51 COOKED-CANNED	9F0740	0.020000	0.000480 BEST ESTIMATE		100.00	0.000480
530018A	BEEF-MEAT BYP	21 COOKED-NFS	9F0740	0.020000	0.001910C BEST ESTIMATE		100.00	0.001910
530018A	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

PAGE: 3

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).	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.

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		9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
530018B	BEEF-OTH ORGAN	21 COOKED-CANNED	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53001DA	BEEF-DRIED	21 COOKED-NFS	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	21 COOKED-NFS	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53001KA	BEEF-KIDNEY	21 COOKED-NFS	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	9F0740	0.02000	0.001710C BEST ESTIMATE		100.00	0.001710
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	21 COOKED-NFS	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.02000	0.001710C BEST ESTIMATE		100.00	0.001710
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	9F0740	0.02000	0.001910C BEST ESTIMATE		100.00	0.001910
53005FA	SHEEP-FAT	21 COOKED-NFS	9F0740	0.02000	0.000420C BEST ESTIMATE		100.00	0.000420
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.02000	0.001710C BEST ESTIMATE		100.00	0.001710
53005MA	SHEEP-LEAN	21 COOKED-NFS	9F0740	0.02000	0.000260C BEST ESTIMATE		100.00	0.000260
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	9F0740	0.02000	0.00080C BEST ESTIMATE		100.00	0.00080
53006BA	PORK-MEAT BYP	21 COOKED-NFS	9F0740	0.02000	0.00080C BEST ESTIMATE		100.00	0.00080
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	9F0740	0.02000	0.00080C BEST ESTIMATE		100.00	0.00080
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	9F0740	0.02000	0.00050C BEST ESTIMATE		100.00	0.00050
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	9F0740	0.02000	0.00050C BEST ESTIMATE		100.00	0.00050
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	9F0740	0.02000	0.00050C BEST ESTIMATE		100.00	0.00050
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	9F0740	0.02000	0.00050C BEST ESTIMATE		100.00	0.00050

Table 4 (cont)

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

DATE: 08/12/87

PAGE: 4

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 LEL= 3.0000 mg/kg 0.00 ppm	Hemostiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse- Special Review chemical.	PADI 100 OPP RfD= 0.0100000 EPA RfD= 0.0100000 WHO RfD 0.0000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ONR verified 3/11/86.
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)
530066A	PORK - FAT	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000050C BEST ESTIMATE	100.00	100.00	0.000050
530066A	PORK - KIDNEY	21 COOKED - NFS	9F0740	0.020000	0.000050C BEST ESTIMATE	100.00	100.00	0.000050
530066A	PORK - LIVER	21 COOKED - NFS	9F0740	0.020000	0.000080C BEST ESTIMATE	100.00	100.00	0.000080
530066A	PORK - LIVER	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000080C BEST ESTIMATE	100.00	100.00	0.000080
530066A	PORK - LEAN	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
530066A	PORK - LEAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
530066A	PORK - LEAN	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550088A	TURKEY - BYP	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550088A	TURKEY - BYP	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550088A	TURKEY ORGAN	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550088A	TURKEY ORGAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550088A	TURKEY W/O SKIN	31 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550088A	TURKEY W/O SKIN	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550088A	TURKEY W/O SKIN	62 COOKED - FRESH OR FROZEN - BAKED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550088A	TURKEY + SKIN	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550088B	TURKEY + SKIN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550088C	TURKEY - UNSPEC	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550138A	POULTRY, OTH - BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550131A	POULTRY, ORGAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550131A	POULTRY, OTHER	21 COOKED - NFS	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550144A	EGGS - WHOLE	10 RAW - FRESH OR NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144A	EGGS - WHOLE	21 COOKED - NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144A	EGGS - WHOLE	22 COOKED - FRESH - BAKED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144A	EGGS - WHOLE	23 COOKED - FRESH - BOILED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144A	EGGS - WHOLE	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144A	EGGS - WHOLE	10 RAW - FRESH OR NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144B	EGGS - WHITE ONLY	21 COOKED - NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144B	EGGS - WHITE ONLY	22 COOKED - FRESH - BAKED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144B	EGGS - WHITE ONLY	62 COOKED - FRESH OR FROZEN - BAKED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144B	EGGS - WHITE ONLY	81 COOKED - FROZEN	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144C	EGGS - YOLK ONLY	10 RAW - FRESH OR NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144C	EGGS - YOLK ONLY	21 COOKED - NFS	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144C	EGGS - YOLK ONLY	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550144C	EGGS - YOLK ONLY	31 COOKED - FRESH OR CANNED	9F0740	0.020000	0.000090C BEST ESTIMATE	100.00	100.00	0.000090
550158A	CHICKEN - BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550158A	CHICKEN - ORGAN	25 COOKED - FRESH - FRIED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550158A	CHICKEN - ORGAN	26 COOKED - FRESH - PICKLED, CORNED, OR CURED	9F0740	0.020000	0.000030C BEST ESTIMATE	100.00	100.00	0.000030
550158A	CHICKEN - W/O SKIN	21 COOKED - NFS	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010
550158A	CHICKEN - W/O SKIN	22 COOKED - FRESH - BAKED	9F0740	0.020000	0.000010C BEST ESTIMATE	100.00	100.00	0.000010

Table 4 (cont.)

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 011

DATE: 08/12/87

PAGE: 5

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 LEL= 3.0000 mg/kg 0.00 ppm OMCO: 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.

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

Table 5

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 2

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 VOTE).	Hemoiderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PA1 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)	THRC TYPE (UG/KG/DAY)	%RD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RD
15018AA	SUNFLOWER-SEEDS 10 RAW-FRESH OR NFS	0.250000	P 0.000433	0.004330	0.017000	0.000029	0.000290
270030A	COTTONSEED-OIL 18 PROCESSED OIL	0.050000	P 0.001020	0.010200	0.000004	0.000000	0.000000
27003MA	COTTONSEED-MEAL 18 PROCESSED OIL	0.050000	P 0.000006	0.000060	0.000410	0.000000	0.000000
27010GA	SUNFLOWER-OIL 18 PROCESSED OIL	0.250000	P 0.000621	0.006210	0.000160	0.000000	0.000000
65015AC	WATER--NON-FOOD BASED 10 RAW-FRESH OR NFS	0.001500	N 0.019455	0.194550	0.001500	0.019455	0.194550
CROP GROUP TOTALS FOR UNSPECIFIED:				0.021535	0.215350	0.019484	0.194840

14013AA	POTATOES(WHITE)-WHOLE 10 RAW-FRESH OR NFS	0.100000	P 0.034006	0.340060	0.000000	0.000000	0.000000
	21 COOKED-NFS				0.000000	0.000000	0.000000
14013AB	POTATOES(WHITE)-UNSPECIFIED 22 COOKED-FRESH-BAKED	0.100000	P 0.000008	0.000080	0.000000	0.000000	0.000000
	22 COOKED-FRESH-BOILED				0.000000	0.000000	0.000000
14013AC	POTATOES(WHITE)-PEELED 21 COOKED-NFS	0.100000	P 0.078426	0.784260	0.000000	0.000000	0.000000
	22 COOKED-FRESH-BAKED				0.000000	0.000000	0.000000
	23 COOKED-FRESH-BOILED				0.000000	0.000000	0.000000
	25 COOKED-FRESH-FRIED				0.000000	0.000000	0.000000
140130A	POTATOES(WHITE)-DRY 10 RAW-FRESH OR NFS	0.100000	P 0.000845	0.008450	0.000000	0.000000	0.000000
	31 COOKED-FRESH OR CANNED				0.000000	0.000000	0.000000
14013HA	POTATOES(WHITE)-PEEL ONLY 22 COOKED-FRESH-BAKED	0.100000	P 0.000002	0.000020	0.000000	0.000000	0.000000
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:				0.113287	1.132870	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 0.001363	0.013630	0.031500	0.000372	0.003720
	31 COOKED-FRESH OR CANNED				0.031500	0.000057	0.000570
15001AC	BEANS-DRY-LIMA 21 COOKED-NFS	0.100000	P 0.000799	0.007990	0.031500	0.000252	0.002520
15001AD	BEANS-DRY-NAVY (PEA) 21 COOKED-NFS	0.100000	P 0.003741	0.037410	0.031500	0.000279	0.002790

Table 5 (cont'd)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 3

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Cashell #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).	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: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	THRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
15001AE	31 COOKED-FRESH OR CANNED BEANS-DRY-OTHER	0.100000	0.003983	0.039830	0.031500	0.000900	0.009000
	21 COOKED-NFS				0.031500	0.000550	0.005500
	25 COOKED-FRESH-FRIED				0.031500	0.000203	0.002030
	31 COOKED-FRESH OR CANNED BEANS-DRY-PINTO				0.031500	0.000502	0.005020
15001AF	21 COOKED-NFS	0.100000	0.003635	0.036350	0.031500	0.001145	0.011450
15002AA	BEANS-SUCULENT-LIMA	0.100000	0.002566	0.025660	0.004200	0.000000	0.000000
	10 RAW-FRESH OR NFS				0.004200	0.000108	0.001080
	21 COOKED-NFS						
15006AA	PEANUTS-WHOLE	0.050000	0.003479	0.034790	0.167400	0.000176	0.001760
	10 RAW-FRESH OR NFS				0.167400	0.010766	0.107660
	21 COOKED-NFS				0.167400	0.000705	0.007050
15007AA	PEAS(GARDEN)-MATURE SEEDS, DRY	0.100000	0.000175	0.001750	0.003600	0.000003	0.000030
	21 COOKED-NFS				0.003600	0.000004	0.000040
	22 COOKED-FRESH-BAKED						
15009AA	PEAS(GARDEN)-GREEN IMMATURE	0.100000	0.017200	0.172000	0.000900	0.000139	0.001390
	21 COOKED-NFS				0.000900	0.000016	0.000160
	31 COOKED-FRESH OR CANNED						
15013AA	MUNG BEANS (SPROUTS)	0.100000	0.000665	0.006650	0.031500	0.000024	0.000240
	10 RAW-FRESH OR NFS				0.031500	0.000186	0.001860
	21 COOKED-NFS						
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	0.100000	0.000000	0.000000	0.031500	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)						
15023AA	BEANS-DRY-PIGEON BEANS	0.100000	0.000004	0.000040	0.031500	0.000001	0.000010
	21 COOKED-NFS						
15027AA	BEANS-UNSPECIFIED	0.100000	0.000523	0.005230	0.031500	0.000165	0.001650
	21 COOKED-NFS						
15029AA	SOYBEANS-SPROUTED SEEDS	0.200000	0.000000	0.000000	0.044100	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)						
270070A	PEANUTS-OIL	0.050000	0.000261	0.002610	0.012400	0.000065	0.000650
	18 PROCESSED OIL						
270100A	SOYBEANS-OIL	0.200000	0.064431	0.644310	0.008400	0.002706	0.027060
	18 PROCESSED OIL						
28023AA	SOYBEANS-UNSPECIFIED	0.200000	0.000104	0.001040	0.044100	0.000023	0.000230
	21 COOKED-NFS						
28023AB	SOYBEANS-MATURE SEEDS DRY	0.200000	0.000180	0.001800	0.044100	0.000013	0.000130
	10 RAW-FRESH OR NFS				0.044100	0.000006	0.000060
	21 COOKED-NFS						
	23 COOKED-FRESH-BOTTLED				0.044100	0.000005	0.000050

Table 5 (cont)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 4

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 LEL= 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: 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
28023WA	25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED SOYBEANS-FLOUR, FULL FAT	0.200000	P	0.000584	0.005840	0.044100	0.000011	0.000110
28023WB	21 COOKED-NFS 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED SOYBEANS-FLOUR, LOW FAT	0.200000	P	0.000190	0.001900	0.044100	0.000063	0.000630
28023WC	21 COOKED-NFS 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 51 COOKED-CANNED 53 COOKED-CANNED-BOILED	0.200000	P	0.002492	0.024920	0.044100	0.000026	0.000260
CROP GROUP TOTALS FOR LEGUME VEGETABLES:		0.106375		1.063750		0.014700	0.000014	0.000140
15005AA	CORN,SWEET 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.050000	P	0.011835	0.118350	0.014700	0.000009	0.000090
24002EA	CORN,GRAIN-ENDOSPERM 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED	0.200000	P	0.033080	0.330800	0.014700	0.000012	0.000120
24002HA	CORN,GRAIN-BRAN 00 NOT SPECIFIED (NO CONSUMPTION)	0.200000	P	0.000000	0.000000	0.014700	0.000077	0.000770
24002SA	CORN SUGAR 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.200000	P	0.029150	0.291500	0.014700	0.000046	0.000460
24006AA	SORGHUM (INCLUDING MILO) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000000	P	0.023769	0.237690	0.014700	0.000039	0.000390
270020A	CORN,GRAIN-OIL 18 PROCESSED OIL	0.200000	P	0.004560	0.045600	0.014700	0.000006	0.000060
CROP GROUP TOTALS FOR CEREAL GRAINS:		0.102394		1.023940		0.019713	0.019713	0.197130

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 5

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	Tyr feeding- dog NOEL= 1.0000 mg/kg LEL= 0.00 ppm 3.0000 mg/kg 0.00 ppm	Hem siderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PD1 100 OPP RfD= 0.0100000 EPA RfD= 0.0100000 WHO RfD 0.0000000 Type:	Rabbit teratology (Supp).	TOX complete 2/21/86. ORD verified 3/11/86.
	ONCO: Class B2 (TOX NOTE).				

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

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

13

Table 5 (cont)

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 OMCO: Class B2 (TOX NOTE).	Hem siderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD= 0.0100000 EPA RfD= 0.0100000 WHO RfD 0.0000000 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
53005BA	SHEEP-MEAT BYPRODUCTS 21 COOKED-NFS	0.020000	P	0.000001	0.000010	0.001910	0.000000	0.000000
53005BB	SHEEP(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
53005FA	SHEEP(BONELESS)-FAT 21 COOKED-NFS	0.020000	P	0.000086	0.000860	0.000420	0.000002	0.000020
53005KA	SHEEP(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.020000	P	0.000000	0.000000	0.001910	0.000000	0.000000
53005LA	SHEEP(ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.001710	0.000000	0.000000
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVABLE FAT) 21 COOKED-NFS	0.020000	P	0.000250	0.002500	0.000260	0.000003	0.000030
53006BA	PORK-MEAT BYPRODUCTS 21 COOKED-NFS	0.020000	P	0.000502	0.005020	0.000080	0.000002	0.000020
53006BB	PORK(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.020000	P	0.000077	0.000770	0.000080	0.000000	0.000000
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD) 26 COOKED-FRESH-PICKLED,CORNED,OR CURED 10 RAW-FRESH OR NFS	0.020000	P	0.004164	0.041640	0.000050	0.000000	0.000000
53006KA	PORK(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.020000	P	0.000000	0.000000	0.000050	0.000000	0.000000
53006LA	PORK(ORGAN MEATS)-LIVER 21 COOKED-NFS	0.020000	P	0.000096	0.000960	0.000080	0.000000	0.000000
53006MA	PORK(BONELESS)-LEAN (W/O REMOVABLE FAT) 21 COOKED-NFS 25 COOKED-FRESH-FRIED 25 COOKED-FRESH-FRIED 26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0.020000	P	0.007825	0.078250	0.000030	0.000005	0.000050
CROP GROUP TOTALS FOR RED MEAT:				0.044637	0.446370		0.000568	0.005680

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 7

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).	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: 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	TURKEY-BYPRODUCTS 21 COOKED-NFS	0.020000	P	0.000005	0.000050	0.000030	0.000000	0.000000
55008LA	TURKEY-GIBLETS (LIVER) 21 COOKED-NFS	0.020000	P	0.000001	0.000010	0.000030	0.000000	0.000000
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES) 21 COOKED-NFS	0.020000	P	0.000159	0.001590	0.000030	0.000000	0.000000
55008MB	TURKEY-FLESH(+SKIN, W/O BONES) 21 COOKED-NFS	0.020000	P	0.000963	0.009630	0.000010	0.000000	0.000000
55008MC	TURKEY-UNSPECIFIED 21 COOKED-NFS	0.020000	P	0.000002	0.000020	0.000010	0.000000	0.000000
550138A	POULTRY, OTHER-BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.000030	0.000000	0.000000
55013LA	POULTRY, OTHER-GIBLETS(LIVER) 25 COOKED-FRESH-FRIED	0.020000	P	0.000005	0.000050	0.000030	0.000000	0.000000
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES) 21 COOKED-NFS	0.020000	P	0.000108	0.001080	0.000030	0.000000	0.000000
550158A	CHICKEN-BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	P	0.000000	0.000000	0.000030	0.000000	0.000000
55015LA	CHICKEN-GIBLETS(LIVER) 21 COOKED-NFS	0.020000	P	0.000101	0.001010	0.000030	0.000000	0.000000
55015MA	CHICKEN-FLESH(W/O SKIN, W/O BONES) 21 COOKED-NFS	0.020000	P	0.001203	0.012030	0.000010	0.000000	0.000000
55015MB	CHICKEN-FLESH(+SKIN, W/O BONES) 21 COOKED-NFS	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

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 8

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 LEL= 0.00 ppm 3.0000 mg/kg 0.00 ppm	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.
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/DAV)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAV)	%RFD
50000DB	MILK-NON-FAT SOLIDS	0.020000	P	0.142727	1.427270	0.000480	0.002738	0.027380
	10 RAW-FRESH OR NFS					0.000480	0.000555	0.005550
	21 COOKED-NFS					0.000480	0.000121	0.001210
50000FA	MILK-FAT SOLIDS	0.020000	P	0.067896	0.678960	0.000480	0.001279	0.012790
	10 RAW-FRESH OR NFS					0.000480	0.000341	0.003410
	21 COOKED-NFS					0.000480	0.000005	0.000050
50000SA	MILK SUGAR (LACTOSE)	0.020000	P	0.000749	0.007490	0.000480	0.000000	0.000000
	21 COOKED-NFS					0.000480	0.000018	0.000180
51 COOKED-CANNED						0.000090	0.000000	0.000000
22 COOKED-FRESH-BAKED						0.000090	0.000028	0.000280
23 COOKED-FRESH-BOILED						0.000090	0.000005	0.000050
25 COOKED-FRESH-FRIED						0.000090	0.000002	0.000020
55014AA	EGGS-WHOLE	0.020000	P	0.011290	0.112900	0.000090	0.000015	0.000150
	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
	23 COOKED-FRESH-BOILED					0.000090	0.000000	0.000000
	25 COOKED-FRESH-FRIED					0.000090	0.000000	0.000000
55014AB	EGGS-WHITE ONLY	0.020000	P	0.000184	0.001840	0.000090	0.000000	0.000000
	10 RAW-FRESH OR NFS					0.000090	0.000000	0.000000
	21 COOKED-NFS					0.000090	0.000000	0.000000
	62 COOKED-FRESH-BAKED					0.000090	0.000000	0.000000
	81 COOKED-FROZEN					0.000090	0.000000	0.000000
55014AC	EGGS-YOLK ONLY	0.020000	P	0.000133	0.001330	0.000090	0.000000	0.000000
	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:		0.222979		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

DATE: 08/12/87

PAGE: 1

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).	Hem siderosis, hemolytic anemia. Positive for oncogenicity in the rat and mouse. Special Review chemical.	PADI 100 OPP RfD= 0.0100000 EPA RfD= 0.0100000 WHO RfD 0.0000000 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	0.250000	P	0.000609	0.006090	0.017000	0.000041	0.000410
	10 RAW-FRESH OR NFS							
270030A	COTTONSEED-OIL	0.050000	P	0.001818	0.018180	0.000004	0.000000	0.000000
	18 PROCESSED OIL							
27003WA	COTTONSEED-MEAL	0.050000	P	0.000026	0.000260	0.000410	0.000000	0.000000
	18 PROCESSED OIL							
270110A	SUNFLOWER-OIL	0.250000	P	0.001118	0.011180	0.000160	0.000001	0.000010
	18 PROCESSED OIL							
65015AC	WATER--NON-FOOD BASED	0.001500	N	0.042728	0.427280	0.001500	0.042728	0.427280
	10 RAW-FRESH OR NFS							
CROP GROUP TOTALS FOR UNSPECIFIED:				0.046299	0.462990		0.042770	0.427700

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

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

Table 5 (cont)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 2

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Atachlor Casmell #011 CAS No. 15972-60-8 A.I. CODE: 090501 CFR No. 180.249	1yr feeding - dog NOEL = 1.0000 mg/kg LEL = 0.00 ppm 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 (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
15001AE	BEANS-DRY-OTHER 21 COOKED-NFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.100000	0.007855	0.078550	0.031500 0.031500 0.031500	0.002205 0.000931 0.000490	0.022050 0.009310 0.004900
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	0.100000	0.008691	0.086910	0.031500	0.001054	0.010540
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100000	0.003863	0.038630	0.031500	0.002738	0.027380
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.050000	0.011346	0.113460	0.004200 0.004200	0.000000 0.000162	0.000000 0.001620
15007AA	PEAS(GARDEN)-MATURE SEEDS, DRY 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.100000	0.000307	0.003070	0.167400 0.167400 0.167400	0.000296 0.035464 0.002225	0.002960 0.354640 0.022250
15009AA	PEAS(GARDEN)-GREEN IMMATURE 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.100000	0.037298	0.372980	0.003600 0.003600	0.000001 0.000010	0.000010 0.000100
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100000	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	0.000000	0.000000	0.031500 0.031500	0.000001 0.000212	0.000010 0.002120
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	0.100000	0.000000	0.000000	0.031500	0.000000	0.000000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	0.100000	0.001074	0.010740	0.031500	0.000338	0.003380
15029AA	SOYBEANS-SPROUTED SEEDS 00 NOT SPECIFIED (NO CONSUMPTION)	0.200000	0.000000	0.000000	0.044100	0.000000	0.000000
270070A	PEANUTS-OIL 18 PROCESSED OIL	0.050000	0.000417	0.004170	0.012400	0.000103	0.001030
270100A	SOYBEANS-OIL 18 PROCESSED OIL	0.200000	0.119472	1.194720	0.008400	0.005018	0.050180
28023AA	SOYBEANS-UNSPECIFIED 21 COOKED-NFS	0.200000	0.000122	0.001220	0.044100	0.000027	0.000270
28023AB	SOYBEANS-MATURE, SEEDS DRY 10 RAW-FRESH OR NFS 21 COOKED-NFS 23 COOKED-FRESH-BOILED	0.200000	0.000149	0.001490	0.044100 0.044100 0.044100	0.000020 0.000003 0.000000	0.000200 0.000030 0.000000

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 3

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).	Hemostiderosis, 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
28023MA	25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED SOYBEANS-FLOUR, FULL FAT	0.200000	P	0.001383	0.013830	0.044100 0.044100	0.000009 0.000001	0.000090 0.000010
28023MB	21 COOKED-NFS 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED SOYBEANS-FLOUR, LOW FAT	0.200000	P	0.000237	0.002370	0.044100 0.044100 0.044100	0.000052 0.000190 0.000063	0.000520 0.001900 0.000630
28023MC	21 COOKED-NFS 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 51 COOKED-CANNED 53 COOKED-CANNED-BOILED SOYBEANS-FLOUR, DEFATTED	0.200000	P	0.005873	0.058730	0.014700 0.014700 0.014700 0.014700 0.014700	0.000017 0.000004 0.000015 0.000168 0.000092 0.000152	0.000170 0.000040 0.000150 0.001680 0.000920 0.001520
CROP GROUP TOTALS FOR LEGUME VEGETABLES:		0.212034		2.120340		0.054372		0.543720
15005AA	CORN, SWEET 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.050000	P	0.027370	0.273700	0.001750 0.001750 0.001750	0.000000 0.000800 0.000158	0.000000 0.008000 0.001580
24002EA	CORN, GRAIN-ENDOSPERM 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED	0.200000	P	0.090054	0.900540	0.005600 0.005600 0.005600 0.005600	0.000006 0.000212 0.001918 0.000385	0.000060 0.002120 0.019180 0.003850
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 21 COOKED-NFS 22 COOKED-FRESH-BAKED	0.200000	P	0.074739	0.747390	0.005600 0.005600 0.005600	0.000021 0.001233 0.000141	0.000210 0.012330 0.001410
24006AA	SORGHUM (INCLUDING MILLO) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000000	P	0.000000	0.000000	0.004240	0.000000	0.000000
270020A	CORN, GRAIN-OIL 18 PROCESSED OIL	0.200000	P	0.008370	0.083700	0.000665	0.000028	0.000280
CROP GROUP TOTALS FOR CEREAL GRAINS:		0.200533		2.005330		0.004902		0.049020

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 4

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Alachlor Cashell #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).	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. OKD verified 3/11/86.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
53001BA	BEEF -MEAT BYPRODUCTS 21 COOKED -MFS	0.020000	0.000997	0.009970	0.001910	0.000090	0.000900
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED				0.001910	0.000005	0.000050
53001BB	BEEF(ORGAN MEATS)-OTHER 21 COOKED -MFS 51 COOKED -CANNED	0.020000	0.000272	0.002720	0.001910	0.000020	0.000200
53001DA	BEEF -DRIED 21 COOKED -MFS	0.020000	0.000119	0.001190	0.001910	0.000006	0.000060
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW) 10 RAW-FRESH OR MFS	0.020000	0.013385	0.133850	0.000420	0.000001	0.000010
	21 COOKED -MFS				0.000420	0.000127	0.001270
	22 COOKED -FRESH-BAKED				0.000420	0.000023	0.000230
	23 COOKED -FRESH-BOILED				0.000420	0.000042	0.000420
	24 COOKED -FRESH-BROLLED				0.000420	0.000074	0.000740
53001KA	BEEF(ORGAN MEATS)-KIDNEY 21 COOKED -MFS	0.020000	0.000038	0.000380	0.000420	0.000014	0.000140
53001LA	BEEF(ORGAN MEATS)-LIVER 25 COOKED -FRESH-FRIED 31 COOKED -FRESH OR CANNED	0.020000	0.000566	0.005660	0.001710	0.000048	0.000480
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVABLE FAT) 10 RAW-FRESH OR MFS	0.020000	0.041954	0.419540	0.001710	0.000000	0.000000
	21 COOKED -MFS				0.000260	0.000000	0.000000
	22 COOKED -FRESH-BAKED				0.000260	0.000358	0.003580
	23 COOKED -FRESH-BOILED				0.000260	0.000026	0.000260
	24 COOKED -FRESH-BROLLED				0.000260	0.000050	0.000500
53002BA	GOAT -MEAT BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	0.000000	0.000000	0.001910	0.000000	0.000000
53002BB	GOAT(ORGAN MEATS)-OTHER 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	0.000000	0.000000	0.001910	0.000000	0.000000
53002FA	GOAT(BONELESS)-FAT 23 COOKED -FRESH-BOILED 25 COOKED -FRESH-FRIED	0.020000	0.000000	0.000000	0.000420	0.000000	0.000000
53002KA	GOAT(ORGAN MEATS)-KIDNEY 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	0.000000	0.000000	0.001910	0.000000	0.000000
53002LA	GOAT(ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	0.000000	0.000000	0.001710	0.000000	0.000000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVABLE FAT) 23 COOKED -FRESH-BOILED 25 COOKED -FRESH-FRIED	0.020000	0.000000	0.000000	0.000260	0.000000	0.000000
53003AA	HORSE 00 NOT SPECIFIED (NO CONSUMPTION)	0.020000	0.000000	0.000000	0.000260	0.000000	0.000000

20

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 5

Table 5 (cont.)

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 LEL= 3.0000 mg/kg 0.00 ppm ONCO: Class B2 (TOX NOTE).	Hemostiderosis, 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
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							
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							
	25 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	0.000159	0.001590	0.000080	0.000001	0.000010
	21 COOKED-NFS							
	25 COOKED-FRESH-FRIED							
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							
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED							
CROP GROUP TOTALS FOR RED MEAT:				0.081634	0.816340		0.001057	0.010570

Table 5 (cont)

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).	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)	TMRC TYPE (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
550088A	TURKEY-BYPRODUCTS	0.020000	P	0.000009	0.000030	0.000000	0.000000
	21 COOKED-NFS				0.000030	0.000000	0.000000
55008LA	TURKEY-GIBLETS (LIVER)	0.020000	P	0.000000	0.000030	0.000000	0.000000
	21 COOKED-NFS				0.000030	0.000000	0.000000
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	0.020000	P	0.000232	0.000010	0.000000	0.000000
	21 COOKED-NFS				0.000010	0.000000	0.000000
	31 COOKED-FRESH OR CANNED				0.000010	0.000000	0.000000
55008MB	TURKEY-FLESH(+SKIN, W/O BONES)	0.020000	P	0.001612	0.000010	0.000001	0.000010
	21 COOKED-NFS				0.000010	0.000000	0.000000
	25 COOKED-FRESH-FRIED				0.000010	0.000000	0.000000
55008MC	TURKEY-UNSPECIFIED	0.020000	P	0.000005	0.000010	0.000000	0.000000
	21 COOKED-NFS				0.000010	0.000000	0.000000
55013BA	POULTRY, OTHER-BYPRODUCTS	0.020000	P	0.000000	0.000030	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)				0.000030	0.000000	0.000000
55013LA	POULTRY, OTHER-GIBLETS(LIVER)	0.020000	P	0.000002	0.000030	0.000000	0.000000
	25 COOKED-FRESH-FRIED				0.000030	0.000000	0.000000
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	0.020000	P	0.000178	0.000030	0.000000	0.000000
	21 COOKED-NFS				0.000030	0.000000	0.000000
55015BA	CHICKEN-BYPRODUCTS	0.020000	P	0.000000	0.000030	0.000000	0.000000
	00 NOT SPECIFIED (NO CONSUMPTION)				0.000030	0.000000	0.000000
55015LA	CHICKEN-GIBLETS(LIVER)	0.020000	P	0.000171	0.000030	0.000000	0.000000
	21 COOKED-NFS				0.000030	0.000000	0.000000
	25 COOKED-FRESH-FRIED				0.000030	0.000000	0.000000
55015MA	CHICKEN-FLESH(W/O SKIN, W/O BONES)	0.020000	P	0.002476	0.000010	0.000001	0.000010
	21 COOKED-NFS				0.000010	0.000000	0.000000
	22 COOKED-FRESH-BAKED				0.000010	0.000000	0.000000
	25 COOKED-FRESH-FRIED				0.000010	0.000000	0.000000
	31 COOKED-FRESH OR CANNED				0.000010	0.000000	0.000000
	53 COOKED-CANNED-BOILED				0.000010	0.000000	0.000000
55015MB	CHICKEN-FLESH(+SKIN, W/O BONES)	0.020000	P	0.015938	0.000010	0.000004	0.000004
	21 COOKED-NFS				0.000010	0.000004	0.000004
	25 COOKED-FRESH-FRIED				0.000010	0.000004	0.000004
CROP GROUP TOTALS FOR POULTRY:				0.020623	0.000010	0.000010	0.000100

Table 5 (cont.)

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/12/87

PAGE: 7

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 82 (TOX MOTE).	Hemoiderosis, 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 (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
500000B	MILK-NON-FAT SOLIDS 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.020000	P 0.430242	4.302420	0.000480 0.000480 0.000480	0.009002 0.001253 0.000037	0.090020 0.012530 0.000370
50000FA	MILK-FAT SOLIDS 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.020000	P 0.190507	1.905070	0.000480 0.000480 0.000480	0.003794 0.000753 0.000010	0.037940 0.007530 0.000100
50000SA	MILK SUGAR (LACTOSE) 21 COOKED-NFS 51 COOKED-CANNED	0.020000	P 0.000112	0.001120	0.000480 0.000480	0.000000 0.000003	0.000000 0.000030
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 0.025474	0.254740	0.000090 0.000090 0.000090 0.000090 0.000090	0.000001 0.000070 0.000011 0.000003 0.000030	0.000010 0.000700 0.000110 0.000030 0.000300
55016AB	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 0.000320	0.003200	0.000090 0.000090 0.000090 0.000090 0.000090	0.000000 0.000000 0.000001 0.000000 0.000000	0.000000 0.000000 0.000010 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 0.000205	0.002050	0.000090 0.000090 0.000090 0.000090	0.000000 0.000000 0.000000 0.000000	0.000000 0.000000 0.000000 0.000000
CROP GROUP TOTALS FOR DAIRY PRODUCTS:			0.646860	6.468600		0.014968	0.149680

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