

US EPA ARCHIVE DOCUMENT



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

JUL 15 1988

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: Summary of Tolerance Assessment System RFD/TMRC Comparison Conducted to Date.

To: Jean Frane
Registration Division

From: Charles Frick
Tolerance Assessment Program
Residue Chemistry Branch, HED

c. Frick 7/12/88

Thru: Karl Arne, Ph.D. *K. Arne*
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As requested, the Tolerance Assessment Program has summarized TAS analyses conducted up to July 1, 1988 that involve TMRC and Reference Dose (RFD) comparisons. The following summary does not include data from some TAS analysis conducted as special projects for other Departments in the Agency or Section 18's or EUP's.

The following summary consists of two columns of percent values. The first column is the calculated percentage of the RFD (ADI, PADI) utilized by the TMRC for the particular pesticide. These values have been calculated using only the published tolerance values.

The second column of values (Anticipated Residue Contribution) were calculated, when data were available, using the published tolerance values factored by percent of crop treated and/or anticipated residue values (AR) as determined by RCB.

It should be noted that as new data is received, toxicology or residue, these percentage values will change. To use these values for regulatory purposes, the current status of any individual pesticide should be verified through the Tolerance Assessment Program.

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<u>Pesticide</u>	<u>TMRC as % of ADI</u>	<u>ARC as % of ADI</u>
Alachlor	6.2	0.47
Alar	23	1.4
Amdro	14	1.0
Amitraz	228	-
Assert	0.23	-
Assure	2.4	-
Asulam	0.15	-
Atrazine	28	14
Avermectin	35	-
Banner/Tilt	5	0.09
Captan	1674	13
Carbaryl	92	9
Chlorothalonil	84	5
Chlorpropham	29	-
Cyfluthrin	4	-
Cyromazine	61	-
Dacthal	1.4	0.06
Dalapon	702	4.5
Diazinon	8303	852
Dichlorvos	537	52
Difenzoquate	0.27	-
Dimethoate	6378	744
Diphenamid	5	-
Diquat	83	-
Ethephon	284	40
Fenamiphos	812	42

Fenpropathrin	1048	135
Folpet	122	2
Harmony	.56	-
Hexazinone	5	-
Iprodione	130	-
Lactofen	1.0	-
Linuron	224	2.4
Lontrel	38	-
Malathion	507	-
Maleic hydrazide	17	-
MCPA	309	31
Metalaxyl	20	-
Metasystox- R	1010	-
Methidathion	557	93
Methomyl	68	32
Oxamyl	53	-
Oxytetracycline	0.006	-
Paraquat	41	-
Permethrin	34	-
Phosalone	986	49
Phosphamidon	2176	104
Picloram	2.6	-
Poast	97	-
Profenofos	1345	680
Propanil	29	-
Propazine	2	-

Pyridate	0.4	-
Rally	294	1.0
Savey	12	-
Tebuthiuron	37	-
Tefluthrin	1.3	-
Terbufos	44	-
Tetrachlorovinphos	5	-
Thiophanate-methyl	30	20

cc.

R.F.
TAS File
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PMSD

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