



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  
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*c. Frick 7/12/88*

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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.

| <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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