

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: March 24, 1980

SUBJECT: Revision of ADI for Dimethoate (CFR 180.204)
CASWELL#358

FROM: Robert B. Jaeger *RB*
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TO: Charles Frick, Acting Section Head #5
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The computer printout for tolerances/ADI/MPI, etc for dimethoate should be changed as follows:

ACCEPTABLE DAILY INTAKE DATA			
Human mg/kg	ChE mg/kg	ADI	MPI mg/kg/60 kg
		10X S.F. mg/kg/day	
0.2	0.2	0.02	1.20

This is substantiated by the following documents:

- 1967 Evaluations of Some Pesticide Residues In Food (FAO/WHO, Rome 1968)
- Dimethoate Position Document, Criteria and Evaluation Division, EPA, 7/18/75.
- PP#5F1642, Toxicology Branch review, R.D. Coberly, 8/11/75.
- Dimethoate on Pasture Rangelands, Nebraska 24c State Registration, NE780019, Toxicology Branch review, Dr. R.A. Gessert, 8/20/79.

TOX/HED:th:Initial CFRICK:3-21-80

C. Frick 3/24/80

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ACCEPTABLE DAILY INTAKE DATA

Human	NOEL	S.F.	ADI	ADI
mg/kg	ppm		mg/kg/day	mg/day/60kg
0.200	3.00	10	0.0200	1.2000

Published Tolerances

CROP	Tolerance	Food Factor	mg/day/1.5kg
Apples(2)	2.000	2.53	0.07590
Beans(9)	2.000	2.04	0.06120
Broccoli(19)	2.000	0.10	0.00307
Cabbage, sauerkraut(22)	2.000	0.74	0.02207
Cauliflower(27)	2.000	0.07	0.00215
Celery(28)	2.000	0.29	0.00858
Collards(37)	2.000	0.08	0.00245
Escarole/endive(56)	2.000	0.03	0.00090
Grapefruit(65)	2.000	0.99	0.02974
Kale(75)	2.000	0.03	0.00090
Lemons(82)	2.000	0.17	0.00521
Lettuce(84)	2.000	1.51	0.03924
Mustard Greens(99)	2.000	0.16	0.00184
Oranges(108)	2.000	2.17	0.06500
Pears(116)	2.000	0.26	0.00766
Peas(117)	2.000	0.69	0.02085
Peppers(120)	2.000	0.12	0.00368
Spinach(150)	2.000	0.05	0.00153
Swiss Chard(158)	2.000	0.03	0.00090
Tangerines(160)	2.000	0.03	0.00090
Tomatoes(163)	2.000	2.87	0.08524
Turnip Greens(166)	2.000	0.03	0.00090
Turnips(165)	2.000	0.05	0.00153
Grapes, inc raisins(66)	1.000	0.49	0.00736
Melons(92)	1.000	2.00	0.03005
Potatoes(127)	0.200	5.43	0.01628
Cottonseed(41)	0.100	0.15	0.00022
Pecans(118)	0.100	0.03	0.00005
Safflower(141)	0.100	0.03	0.00005
Sorghum(147)	0.100	0.03	0.00005
Corn, grain(68)	0.100	1.00	0.00150
Soybeans(148)	0.050	0.92	0.00069
Wheat(170)	0.040	10.36	0.00622
Eggs(54)	0.020	2.77	0.00083
Meat, inc poultry(89)	0.020	13.85	0.00415
Milk&Dairy Products(93)	0.002	28.62	0.00086

ADI	TMRC	% ADI
1.2000 mg/day/60kg	0.5108 mg/day/1.5kg	42.56
