

US EPA ARCHIVE DOCUMENT

SEP 4 1984

Caswell No(s): 160

To: Don Stultz Emergency Response Section

Registration No(s): 264-314

Pesticide Petition No(s): 84-CA-34 Section 18

Chemical(s): Carbaryl (1-naphthylmethyl carbamate)

Requested Action(s): 40 CFR 180.169 Exemption for residues of 10 ppm in or on figs, loquats, artichokes, cut apples, guavas, guinea, guineas, pomegranates, kiwifruit, durian

Reasons: spices and herbs

Recommendation: Grant the emergency exemption

Inert(s) cleared 180.1001: Yes

% of ADI occupied: Existing: 91.42% Resulting: 92.30%

Resulting % increase in TMRC: 0.96%

Data considered in setting the ADI: 2-year rat feeding - NOEL 300 ppm (1000 mg/kg), rat reproduction

3 generation NOEL 300 mg/kg, mouse 18 mo carcinogenic NOEL 400 ppm (60 mg/kg), monkey (Rhesus) 26 mg/kg

Attached (?): ADI printout: YES/NO; TOX "one-liner": YES/NO; DER: YES/NO

Existing regulatory actions against registration: NONE

RPAR status: NONE

New Data: NONE

Data gaps: Dog toxicology study, One year dog feeding study and dog metabolism study.

Comments: ~~Registration Standard~~ - March 30, 1984

The incremental residue contribution from these uses on home garden crops is toxicologically insignificant

Reviewer: Raymond Lindell

Date: August 21, 1984

SEP 4 1984

Section Head: David Stultz 8-31-84

Branch Chief: R. J. WBS 9/4/84

Unverified Printout

ACCEPTABLE DAILY INTAKE DATA

RAT, Older	NOEL	S.F.	ADI	MPI
mg/kg	ppm		mg/kg/day	mg/day (60kg)
10.000	200.00	100	0.1000	6.0000

Current Action 84-CA-34 [Sec 18]

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Figs (57)	10.000	0.03	0.00450
Artichokes (4)	10.000	0.03	0.00450
Crabapples (42)	10.000	0.03	0.00450
<u>leguats</u> (214)	10.000	0.03	0.00450
Quinces (132)	10.000	0.03	0.00450
<u>guavas</u> (214)	10.000	0.03	0.00450
Kiwi Fruit (204)	10.000	0.03	0.00450
Rhubarb (136)	10.000	0.05	0.00766
Spices (192)	10.000	0.03	0.00450
Pomegranates (186)	10.000	0.03	0.00450
<u>persimmons</u> (214)	10.000	0.03	0.00450

MPI	TMRC	% ADI
6.0000 mg/day (60kg)	0.0527 mg/day (1.5kg)	0.88

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File last updated 8/22/83

## ACCEPTABLE DAILY INTAKE DATA

RAT, Older	NOEL	S.F.	ADI	MPI
mg/kg	ppm		mg/kg/day	mg/day/60kg
10.000	200.00	100	0.1000	6.0000

## Published Tolerances

CROP	Tolerance	Food Factor	mg/day/1.5kg
Blackberries( 15)	12.000	0.03	0.00540
Boysenberries( 17)	12.000	0.03	0.00540
Collards( 37)	12.000	0.08	0.01472
Dewberries( 52)	12.000	0.03	0.00540
Beet greens( 13)	12.000	0.03	0.00540
Kale( 75)	12.000	0.03	0.00540
Loganberries( 86)	12.000	0.03	0.00540
Mustard Greens( 99)	12.000	0.06	0.01104
Parsley(110)	12.000	0.03	0.00540
Raspberries(135)	12.000	0.03	0.00540
Spinach(150)	12.000	0.05	0.00920
Swiss Chard(158)	12.000	0.3	0.00540
Turnip Greens(166)	12.000	0.03	0.00540
Apples( 2)	10.000	2.53	0.37950
Apricots( 3)	10.000	0.11	0.01686
Asparagus( 5)	10.000	0.14	0.02146
Bananas( 7)	10.000	1.42	0.21308
Beans( 9)	10.000	2.04	0.30600
Blueberries( 18)	10.000	0.03	0.00450
Broccoli( 19)	10.000	0.10	0.01533
Brussel Sprouts( 20)	10.000	0.03	0.00450
Cabbage, sauerkraut( 22)	10.000	0.74	0.11037
Carrots( 24)	10.000	0.48	0.07205
Cauliflower( 27)	10.000	0.07	0.01073
Cherries( 30)	10.000	0.10	0.01533
Chinese Cabbage(177)	10.000	0.03	0.00450
Citrus Fruits( 33)	10.000	3.81	0.57179
Cranberries( 44)	10.000	0.03	0.00450
Cucumbers, inc pickl( 46)	10.000	0.73	0.10884
Eggplant( 53)	10.000	0.03	0.00450
Escarole/endive( 56)	10.000	0.03	0.00450
Grapes, inc raisins( 66)	10.000	0.49	0.07358
Kohlrabi( 76)	10.000	0.03	0.00450
Lettuce( 84)	10.000	1.31	0.19622
Melons( 92)	10.000	2.00	0.30046
Nectarines(100)	10.000	0.03	0.00450
Okra(103)	10.000	0.07	0.01073
Olives(104)	10.000	0.06	0.00920
Peaches(114)	10.000	0.90	0.13490
Pears(116)	10.000	0.6	0.03832
Peas(117)	10.000	0.69	0.10424
Peppers(120)	10.000	0.12	0.01840
Plums, inc prunes(125)	10.000	0.13	0.01993
Pumpkin, inc squash(131)	10.000	0.11	0.01686
Salisfy(142)	10.000	0.03	0.00450
Sorghum(147)	10.000	0.03	0.00450

Strawberries(152)	10.000	0.15	0.02759
Summer Squash(155)	1.000	0.03	0.0045
Tomatoes(163)	10.000	2.27	0.43122
Corn,all types( 38)	5.000	2.51	0.18825
Cottonseed (oil)( 41)	5.000	0.15	0.01125
Beets( 14)	5.000	0.17	0.01303
Horseradish( 77)	5.000	0.03	0.00225
Poultry(128)	5.000	2.94	0.22075
Parsnips(111)	5.000	0.03	0.00225
Peanuts(115)	5.000	0.36	0.02683
Radishes(133)	5.000	0.03	0.00225
Rice(137)	5.000	0.55	0.04139
Rutabagas(139)	5.000	0.03	0.00225
Salisfy(142)	5.000	0.03	0.00225
Soybeans (oil)(148)	5.000	0.92	0.06886
Turnips(165)	5.000	0.05	0.00383
Almonds( 1)	1.000	0.03	0.00045
Filberts( 58)	1.000	0.03	0.00045
Pecans(118)	1.000	0.03	0.00045
Walnuts(167)	1.000	0.03	0.00045
Eggs( 54)	0.500	2.77	0.02078
Sweet Potatoes(157)	0.200	0.40	0.00120
Chestnuts(153)	1.000	0.03	0.00045
Celery( 28)	10.000	0.29	0.04292
Maple syrup(201)	0.500	0.03	0.00023
Lentils( 83)	10.000	0.04	0.00613
Dandelion(194)	12.000	0.03	0.00540
Wintersquash(171)	10.000	0.03	0.00450
Pistachio nuts(210)	1.000	0.03	0.00045
Wheat(170)	3.000	10.36	0.46633
Cattle( 26)	0.100	7.18	0.01078
Goats( 62)	0.100	0.03	0.00005
Hogs( 69)	0.100	3.43	0.00515
Sheep(145)	0.100	0.19	0.00029
Horses(208)	0.100	0.03	0.00005
Kidney(203)	1.000	0.03	0.00045
Liver(211)	1.000	0.03	0.00045
Milk&Dairy Products( 93)	0.300	28.62	0.12877
Potatoes(127)	0.200	5.43	0.01628
Sunflower(156)	1.000	0.03	0.00045
Millet( 94)	3.000	0.03	0.00135
Flax Seed(182)	5.000	0.03	0.00225
<u>Pinkly Pear Cactus</u> (214)	12.000	0.03	0.00540

MPI 6.0000 mg/day/60kg TMRC 4.6688 mg/day/1.5kg % ALI 77.81

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Unpublished, Tox Approved 6E1874,1848,2493,2554,2667,8G1036

CROP	Tolerance	Food Factor	mg/day/1.5kg
Rye(140)	3.000	0.03	0.00135
Oats(102)	3.000	0.36	0.01610
Barley( 8)	3.000	0.03	0.00135
Potatoes(127)	9.800	5.43	0.79772
<u>Oysters</u> (214)	0.250	0.03	0.00011

MPI 6.0000 mg/day/60kg TMRC 5.4854 mg/day/1.5kg % ALI 91.42

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