

US EPA ARCHIVE DOCUMENT

Caswell No(s): 160

To: Don Stulke Emergency Response Section

Registration No(s):: 264-316

Pesticide Petition No(s):: 82-CA-104 Section 18

Chemical(s): Carbaryl (1-naphthylmethylcarbamate) and its hydrolysis product 1-naphthol

Requested Action(s): 40 CFR 180.169 Exemption for residue of 1.0 ppm in or on pregranates

Recommendation: Grant the emergency exemption

Inert(s) cleared 180.1001: Yes

% of ADI occupied: Existing: 91.42% Resulting: 91.43%

Resulting % increase in TMRC: 0.01%

Data considered in setting the ADI: 2-year rat feeding - NOEL 300 ppm, 1 year dog feeding

NOEL 400 ppm rat reproduction 3 yr - NOEL 300 mg/kg mouse 18 mo. oncogenicity NOEL 400 ppm monkey teratology NOEL 36 mg/kg

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

Existing regulatory actions against registration: None

RPAR status: Returned to Reg. Div. with Fed Reg. Notice 45(341): 81869-81871, 1980

New Data: None

Data gaps: None

Comments: None

Reviewer: Ray Landolt ^{Oct 26} ~~Aug 14 1982~~

Date: OCT 26 1982

Section Head: David Stulke ^{10/26/82}

Branch Chief: [Signature]

File last updated 10/26/82

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	0.03	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	0.26	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	0.18	0.02759
Summer Squash (15)	10.000	0.03	0.00450
Tomatoes(163)	10.000	2.87	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

MPI	TMRC	% ADI
6.0000 mg/day/60kg	4.6634 mg/day/1.5kg	77.72

Unpublished, Tox Approved 6E1874,1848,2493,2554,2667,2712,8G1036

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
<u>Oysters</u> (214)	0.250	0.03	0.00011
Potatoes(127)	9.800	5.43	0.79772
<u>Prickly Pear Cactus</u> (214)	12.000	0.03	0.00540

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

CROP Tolerance Food Factor g/day/1.5kg
Pomegranates(18%) 1.000 2.3 2.0000

MEI THRC % ADI
6.0000 mg/day/60kg 5.4859 mg/day/1.5kg 91.43
