

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: June 19, 1978

SUBJECT: Carbaryl CASWELL NO. 160

FROM: K. L. Bailey, Toxicology Branch

K. L. Bailey

TO: D. Stubbs, WH-567

Thru ; Acting Chief, Toxicology Branch

- 1) Temporary Tolerance for use of Carbaryl at 3 ppm in or on grain of wheat, rye, oats and barley (PP 8G2036).
- 2) Experimental Use Permit for the use of various Carbaryl formulations on a variety of commodities (1016-EUP-39)

A. RPAR Trigger

The RPAR trigger concerning possible teratogenic effects of Carbaryl has been dealt with in the 2-14-78 R. Engler Memo to E. Gross (PP 6E1848)

B. Accepted Tolerances (40 CFR 180.169)

See attached computer printout for presently accepted tolerances.

C. MTRC and MPI

The MTRC will not exceed the MPI should this tolerance be granted. Indeed, the MTRC will be increased by but a small fraction, $\approx 11\%$. See attached computer printout for details.

RD initial G. E. W. 6/6/78

Attachment

G. E. W.
9/28/78

File last updated 4/3/78

ACCEPABLE DAILY INTAKE DATA

Log	NOEL	S.F.	ADI	MPI
mg/kg	ppm		mg/kg/day	mg/day/60kg
10.000	400.00	10	1.0000	60.0000

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(56)	10.000	0.03	0.00450
Grapes, inc raisin(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
Prums, 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

Strawberries(152)	10.000	0.18	0.02759
Summer Squash(55)	10.000	0.03	0.00450
Tomatoes(163)	10.000	2.87	0.43122
Corn,all types(38)	5.000	2.52	0.18932
Cottonseed(41)	5.000	0.15	0.01125
Beets(14)	5.000	0.17	0.01303
Horseradish(77)	5.000	0.03	0.00225
Poultry(123)	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(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
Potatoes(127)	0.200	5.43	0.01628
Eggs(54)	0.500	2.77	0.02078

MPI	TMRC	% ADI
60.0000 mg/day/60kg	3.9868 mg/day/1.5kg	6.64

Unpublished,Tox Approved PP's 6E1847, 6E1848, 7E1974, 7E1935

CROP	Tolerance	Food Factor	mg/day/1.5kg
Sweet Potatoes(157)	0.200	0.40	0.00120
Lentils(83)	10.000	0.04	0.00613
Chestnuts(153)	1.000	0.03	0.00045
Celery(28)	10.000	0.29	0.04292

MPI	TMRC	% ADI
60.0000 mg/day/60kg	4.0375 mg/day/1.5kg	6.73

Current Action PP8G2036

CROP	Tolerance	Food Factor	mg/day/1.5kg
wheat(170)	3.000	10.36	0.46633
Rye(140)	3.000	0.03	0.00135
Oats(102)	3.000	0.36	0.01610
Barley(8)	3.000	0.03	0.00135

MPI	TMRC	% ADI
60.0000 mg/day/60kg	4.5226 mg/day/1.5kg	7.54
