

Toxicology Branch/HED Review

Caswell #: 215B

9-7-83 RCB

SEP 7 1983

To: Henry Jacoby, PM # 21

Registration No(s): ---

Pesticide Petition No(s): PP # 2E 2744

Chemical(s): Chlorothalonil in Coffee and Cocoa (Contains two actions; one is a resubmission, dated 5/24/83, correcting an earlier action dated 5/16/83.)

Requested Action(s): Review revised section F to reflect an increase from 0.05 ppm to 0.2 ppm for coffee. Cocoa tolerance is not affected.

Recommendation: Toxicology Branch has no objection to increasing the coffee tolerance from 0.05 ppm to 0.2 ppm.

Inert(s) cleared 180.1001: OK. BRAVO 500 and BRAVO 75 W.

% of ADI occupied: Existing: 84.21% Resulting: 84.40%

Resulting % increase in TMRC: 0.11%

Data considered in setting the ADI: 2 year dog feeding NOEL = 60 ppm (systemic).

Safety Factor = 100.

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

Existing regulatory action against registration: None

RPAR status: Referred but not active.

New Data: None submitted under this action.

Data gaps: None.

Comments: Registration Standard Chemical. We approved the 0.05 ppm tolerance in our 10/21/82 review of this petition, D. Ritter.

Reviewer: David Butler 9-7-83

Section Head: RCB 9/7/83

Branch Chief: RCB 9/7/83

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File last updated 9/6/83

ACCEPTABLE DAILY INTAKE DATA

Dog	NOEL	S.F.	ADI	MPI
mg/kg	ppm		mg/kg/day	mg/day (60kg)
1.500	60.00	100	0.0150	0.9000

Published Tolerances

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Celery (28)	15.000	0.29	0.06438
Broccoli (19)	5.000	0.10	0.00766
Brussel Sprouts (20)	5.000	0.03	0.00225
Cabbage, sauerkraut (22)	5.000	0.74	0.05519
Cauliflower (27)	5.000	0.07	0.00537
Cucumbers, inc pickl (46)	5.000	0.73	0.05442
Melons (92)	5.000	2.00	0.15023
Onions, green (107)	5.000	0.11	0.00843
Pumpkin, inc squash (131)	5.000	0.11	0.00843
Beans, snap (12)	5.000	0.98	0.07358
Summer Squash (155)	5.000	0.03	0.00225
Tomatoes (163)	5.000	2.87	0.21561
Passion fruit (112)	3.000	0.03	0.00135
Carrots (24)	1.000	0.48	0.00720
Corn, sweet (40)	1.000	1.43	0.02145
Onion, (dry bulb) (106)	0.500	0.72	0.00537
Peanuts (115)	0.300	0.36	0.00161
Potatoes (127)	0.100	5.43	0.00814
Papayas (109)	15.000	0.03	0.00675
Bananas (7)	0.050	1.42	0.00107
Parsnips (111)	1.000	0.03	0.00045
Soybeans (oil) (148)	0.200	0.92	0.00275
Beans, dry edible (10)	0.100	0.31	0.00047
Mint (193)	2.000	0.03	0.00090
Apricots (3)	0.500	0.11	0.00084
Nectarines (100)	0.500	0.03	0.00023
Plums, inc prunes (125)	0.200	0.13	0.00040
Cherries (30)	0.500	0.10	0.00077
Peaches (114)	0.500	0.90	0.00675

MPI 0.9000 mg/day (60kg) TMRC 0.7143 mg/day (1.5kg) % ADI 79.37

Unpublished, Tox Approved 0F2405, 2E2744, 3F2815

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Citrus Fruits (33)	0.000	3.31	0.00000
Grapefruit (55)	0.100	0.99	0.00149
Oranges (108)	0.100	2.17	0.00325
<u>Citrus oil</u> (214)	10.000	0.03	0.00450
Cocoa (34)	0.050	0.12	0.00009
Coffee (36)	0.050	0.75	0.00056
Peaches (114)	2.500	0.90	0.03373

MPI TMRC % ADI

0.9000 mg/day(60kg)

0.7579 mg/day(1.5kg)

84.21

Current Action 2E2744 [Rev Sec F]

CROP	Tolerance	Food Factor	mg/day(1.5kg)
Cocoa(34)	0.000	0.12	0.00000
Coffee(36)	0.150	0.75	0.00168

MPI	TMRC	% ADI
0.9000 mg/day(60kg)	0.7596 mg/day(1.5kg)	84.40

DRAFT