

Rev. 4/14/82

Toxicology Branch/HED Review

REB 9-25-84

SEP 25 1984

Caswell No(s):: 862AA

To: H. Jamerson ; PM No 43

Registration No(s)::

Pesticide Petition No(s):: 4E 3088

Chemical(s): Bayleton

Requested Action(s): Establishment of a residue tolerance for bayleton and its major metabolites on canberries at 1.0 ppm.

Recommendation: The proposed tolerance is toxicologically supported.

Inert(s) cleared 180.1001: Yes

% of ADI occupied: Existing: 33.62 % Resulting: 33.80 %

Resulting % increase in TMRC: 0.18

Data considered in setting the ADI: Two-year feeding study - Rat

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

Existing regulatory actions against registration: None

RPAR status: Not on RPAR list

New Data: None

Data gaps: None

Comments:

Reviewer: G. J. Ghab

Section Head: C. F. Chassin

Date: 9/24/1984

Branch Chief: 9/25/84 SEP 25 1984
Michael WTB 9/25/84

File last updated 10/27/83

ACCEPTABLE DAILY INTAKE DATA

RAT, Older NOEL	S.F.	ADI	MPI
mg/kg = ppm		mg/kg/day	mg/day (60kg)
2.500 50.00	100	0.0250	1.5000

Published Tolerances

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Apples(2)	1.000	2.53	0.03795
Barley(8)	1.000	0.03	0.00045
<u>Chick peas</u> (214)	0.100	0.03	0.00005
Eggs(54)	0.040	2.77	0.00160
Cattle(26)	1.000	7.18	0.10777
Grapes, not raisins(67)	1.000	0.45	0.00675
Goats(62)	1.000	0.03	0.00045
Hogs(69)	0.040	3.13	0.00206
Horses(208)	1.000	0.03	0.00045
Milk&Dairy Products(93)	0.040	28.62	0.01717
Pears(116)	1.000	0.26	0.00383
Pineapple(123)	3.000	0.30	0.01334
Poultry(128)	0.040	2.94	0.00177
Sheep(145)	1.000	0.19	0.00291
Wheat(170)	1.000	10.36	0.15544
Almonds(1)	0.050	0.03	0.00002

MPI	THRC	% ADI
1.5000 mg/day (60kg)	0.0521 mg/day (1.5kg)	23.47

Unpublished, Not Approved 222638, 22393, 0F2349, 3F2667, 3F2938

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Almonds(1)	0.050	0.03	0.00002
Apricots(3)	0.000	0.11	0.00000
Nectarines(100)	0.000	0.03	0.00000
Peaches(114)	0.000	0.90	0.00000
Cucumbers, not pickl(47)	0.000	0.34	0.00000
Tomatoes(163)	0.200	2.37	0.10862
Melons(92)	0.000	2.00	0.00000
Apricots(3)	4.000	0.11	0.00675
Pumpkin, inc squash(131)	0.300	0.11	0.00051
Watermelon(169)	0.300	1.43	0.00644
Nectarines(100)	4.000	0.03	0.00180
Peaches(114)	4.000	0.90	0.05396
Plums, inc prunes(125)	4.000	0.13	0.00797
Sugar, cane&beet(154)	1.000	3.64	0.05457
Melons(92)	0.300	2.00	0.00901
Cucumbers, not pickl(47)	0.300	0.34	0.00152
Coffee(36)	0.050	0.75	0.00056
Cottonseed (oil)(41)	0.200	0.15	0.00045
Sugar, cane&beet(154)	0.000	3.64	0.00000

MPI	THRC	% ADI
1.5000 mg/day (60kg)	0.5042 mg/day (1.5kg)	33.62

Current Action 3038

CROP	Tolerance	Food Factor	mg/day(1.5kg)
Blackberries(15)	1.000	0.03	0.00045
Boysenberries(17)	1.000	0.03	0.00045
Dewberries(52)	1.000	0.03	0.00045
Loganberries(86)	1.000	0.03	0.00045
Raspberries(135)	1.000	0.03	0.00045
Youngberries(172)	1.000	0.03	0.00045

ADI	THRC	% ADI
1.5000 mg/day(60kg)	0.5069 mg/day(1.5kg)	33.80

DRAFT