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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

RCB 9-25-84

SEP 25 1984

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Pesticide Petition No. 4H5433; Bayleton in Sugar
and Cottonseed oil
Caswell No. 862AA

TO: Henry Jacoby
Product Manager (No. 21)
Registration Division (TS-767C)

THRU: Christine F. Chaisson, Ph.D. *C.F. Chaisson 9/24/84*
Head, Review Section VI
Toxicology Branch
Hazard Evaluation Division (TS-769C)

FROM: George Z. Ghali, Ph.D. *G.Z. Ghali 9/13/1984*
Toxicology Branch
Hazard Evaluation Division (TS-769C) *WFB 9/25/84*

Petitioner: Mobay Chemical Corporation
Kansas City, MO 64120

Action Requested:

Establishment of a residue tolerance of 0.05 ppm for the combined residues of Bayleton and its major metabolites in sugar and cottonseed oil.

Conclusions and Recommendations:

Tolerances of 1.0 and 0.2 ppm of the combined residues of Bayleton and its major metabolites on sugar and cottonseed oil respectively have been previously approved under P.P. No. 3F2938 (G. Ghali. Oct. 12, 1983).

If RCB considerations permit, Toxicology Branch has no objection on the proposed reduced tolerance levels for sugar and cottonseed oil.

TS-769:GGhali:tmr:9/13/84 Code Ghali 1

1/3

file last updated 9/16/83

ACCEPTABLE DAILY INTAKE DATA

RAF, 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(6)	1.000	0.03	0.00045
<i>Chick peas</i> (214)	0.100	0.03	0.00005
Eggs(54)	0.040	2.77	0.00166
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	3.43	0.00206
" Horses(208)	1.000	0.03	0.00045
Milk&Dairy Products(93)	0.040	23.62	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

MPI 1.5000 mg/day(60kg) MIRC 0.3520 mg/day(1.5kg) % ADI 23.47

Unpublished, tox Approved 2G2638, 0E2393, 0F2349, 3F2837, 3F2887

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Almonds(1)	0.100	0.03	0.00005
Apricots(3)	0.000X	0.11	0.00000
Nectarines(100)	0.000X	0.03	0.00000
Peaches(114)	0.000X	0.90	0.00000
Cucumbers, not pickl(47)	0.000XX	0.34	0.00000
Tomatoes(163)	0.200 X	2.87	0.00862
Melons(92)	0.000XX	2.00	0.00000
Almonds(1)	0.050	0.03	0.00002
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

2G2638 was Agency approved not TOX approved expires 12-31-84

X approved at 10pp

XX previously approved at 0.1p

XXX previously approved at 0.2ppm

MPI 1.5000 mg/day(60kg) MIRC 0.5033 mg/day(1.5kg) % ADI 33.55

Current Action 3F2938

CROP	Tolerance	Food Factor	mg/day (1.5kg)
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

ADI	TARC	% ADI
1.5000 mg/day (60kg)	0.5043 mg/day (1.5kg)	33.62
