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

Smith
File petition

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM NOV 3 1982

TO: Henry Jacoby
Product Manager, No. 21
Registration Division (TS-769)

THRU: Christine F. Chaisson, Ph.D. *C.F. Chaisson*
Toxicology Branch
Hazard Evaluation Division (TS-769)

SUBJECT: Bayleton on Wheat and Barley. Caswell No. 862 AA,
PP No. 2F2665 and 2H5343.

Petitioner:

Mobay Chemical Corporation
Kansas City, Mo. 64120

Action requested:

Review of a revised Section F associated with the above
pesticide petitions as follows:

1. Meat, fat and meat by-products of cattle, goats, horses,
and sheep at 1.0 ppm.
2. Meat, fat and meat by-products of poultry and hogs and
eggs and milk at 0.04 ppm.
3. Barley, milled fraction, except flour at 4.0 ppm.

Recommendations:

1. Increasing the tolerance for Bayleton residues from 0.5
ppm to 1.0 ppm for meat, fat and meat by-products of cattle,
goats, horses and sheep will not significantly decrease the
margin of safety based on single serving.
2. Increasing the tolerance for Bayleton residues from 0.01
ppm to 0.04 ppm in poultry will not significantly decrease
the margin of safety based on single serving bases.

3. Toxicology Branch defers to RCB the question of whether the new tolerances proposed for hogs, eggs and milk adequately cover the expected residues in these food commodities.
4. Adequate margin of safety also exists for the proposed tolerance of 4.0 ppm for the Bayleton residues in the milled fraction (except flour) of barley.
5. All the proposed changes will result in an increase of 8.5% of the ADI.
6. Toxicology Branch reiterates the recommendation that the label must reflect a warning for females of child bearing age for the mixer, and loader aspects of the application (memo by G. Ghali to H. Jacoby, July 16, 1982).

George Z. Ghali, Ph.D. *G. Ghali* 10/12/82
Toxicology Branch
Hazard Evaluation Division (TS-769) *26/10/82*
11/13/82