PETITION CONTROL BRANCH

ATTN: WILLIAM STOKES

Dr. George E. Whitmore
Petition Review Branch
Division of Toxicological Evaluation

August 3, 1964

Proposed tolerance for Sevin (carbaryl) on small grains.

PETITION No. 405

Union Carbide Corporation
Chemicals Division
New York, New York
(AF 15-522)

USDA's interest in the use of Sevin for the control-eradication of the
cereal leaf beetle in Michigan, Indiana, and Ohio has resulted in the
original Pesticide Petition No. 405 being supplemented with a tolerance
request of 0.0 ppm on small grain instead of 5 ppm, with the 100 ppm
request for tolerance on forage and straw of wheat, barley, oats, and rye
unchanged.

Division of Food Standards and Additives, Pesticide Branch, concludes
that the requested tolerance will not be exceeded by the proposed use.

With no possibility of Sevin being added to the diet of humans by this
proposed use, safety to humans is not a consideration of this petition.
That 100 ppm of Sevin in the diet of dairy cows is without hazard was
demonstrated by data developed by Claybora, et al. (J. Ag. Chem. 11:
74: 1923). Feeding Sevin at a diet level of 450 ppm was without effect
and residues in meat and milk did not occur.

This data is sufficient to extrapolate that meat residues would not occur
in animals ingesting forage and straw from these cereal crops and that
no hazard would exist to consuming animals.

CONTINUATION:

This proposed use of Sevin on small grains is without hazard to humans
and without hazard to domestic animals consuming forage and straw.

FIII: Blumenthal

cc:
DES
FES
FOB
DTN
FP No. 405

Dr. Whitmore: Apr 3/64