MEMORANDUM JAN 4 1983

TO: Robert Taylor (25)  
Herbicide Branch  
Registration Division (TS-767)

THRU: Robert B. Jaeger, Section Head  
Review Section #1  
Toxicology Branch/HED (TS-769)

SUBJECT: Change in tolerances of Atrazine on Sugarcane, Re:  
Registration Nos.: 100-439, 100-497, 100-535, 100-585,  
PP#3P2772, 3H5371

Action Requested:

Request the tolerances of 0.25 ppm on sugarcane, 0.5 ppm in  
bagasse and in molasses of 1.5 ppm changed to represent the combined  
residues of parent and metabolites from only that of the parent.

Comment:

1. Toxicology Branch defers to Residue Chemistry Branch the  
   adequacy of the requested tolerances.

2. Toxicology Branch considers the request toxicologically  
   supportable provided the residues (metabolites) formed by the  
   plant from parent compound are the same as those formed by the  
   mammal (rat).

3. Toxicology Branch defers to Residue Chemistry Branch as  
   to whether the plant metabolites would be similar to those formed  
   by the rat following exposure to Atrazine.

[Signature]

Henry Spencer, Ph.D.  
Review Section #1  
Toxicology Branch/HED (TS-769)