MEMORANDUM

AUG 5 1982


FROM: Linda S. Propst, Chemist Residue Chemistry Branch Hazard Evaluation Division (TS-769)

THRU: Charles L. Trichilo, Chief Residue Chemistry Branch Hazard Evaluation Division (TS-769)

TO: Robert Taylor, Product Manager $25 Fungicide-Herbicide Branch Registration Division (TS-767)

and

Amal Mahfouz, Ph.D. Toxicology Branch Hazard Evaluation Division (TS-769)

Toxicology Branch has asked us to comment on the actual residue levels of alachlor on numerous raw agricultural commodities: corn (all types), soybeans, field beans, lima beans, peas, potatoes, cottonseed (oil), and peanuts.

Tolerances have been established for the combined residues of the herbicide alachlor (2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide) and its metabolites (calculated as alachlor) in or on corn grain and soybeans at 0.2 ppm (negligible), in or on field (dry) beans, (green) lima beans, peas with pods (determined on peas after removing any pod present when marketed), and potatoes at 0.1 ppm (negligible), and in or on cottonseed, fresh corn including sweet corn (kernels plus cob with husk removed), and peanuts at 0.05 ppm (negligible).
The maximum observed residue levels resulting from the currently registered uses for the various commodities are as follows: corn, ≤0.05 ppm; soybeans, 0.09 ppm; field beans, 0.09 ppm; lima beans, 0.08 ppm; peas, 0.10 ppm; potatoes 0.08 ppm; cottonseed, ≤0.02 ppm, and peanuts, 0.05 ppm.

There are currently two petitions in reject status requesting higher tolerances on peanuts and potatoes to cover residues of alachlor which may occur as a result of proposed additional uses:

PP#0F2313 which is requesting a 0.1 ppm tolerance for alachlor residues on peanuts show residues up to 0.07 ppm resulting from the proposed amended use pattern.

PP#1F2551 which is requesting a tolerance of 1.0 ppm to cover residues of alachlor on potatoes shows maximum observed residues of 0.13 ppm.

cc: R.F.
    Circu
    Reviewer
    Subject file
    Amended use file

RDI:Section Head: RJH: Date: 8/2/82; RDS: Date: 8/2/82
TS-769: RCB: Reviewer: LSPropst; LDT: X7724; CM#2: RM: 810: Date: 8/4/82