

US EPA ARCHIVE DOCUMENT



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

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MEMORANDUM

AUG 5 1982

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: EPA Reg. No. 524-316. Alachlor residues on various raw agricultural commodities.

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

Linda S. Propst

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

CT

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:LSPpropst;LDT:X7724:CM#2:RM:810>Date:8/4/82