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

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg. No. 45639-70. Proposed protocol to generate residue data to support the the dermal use of amitraz on sheep and goats. No MRID No. RCB No. 2281.

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THRU: Andrew R. Rathman, Section Head
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TO: Dennis Edwards, PM-12
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NOR-AM Chemical Company has submitted for comment a protocol designed to determine amitraz residue levels in or on sheep following dermal applications of TAKTIC EC EPA Reg. No. 45639-70 for the treatment of sheep ked or mange.

In the proposed protocol, 14 sheep of a common commercial breed will be divided into three different groups with treatment as follows:

Sheep ked: Three sheep treated once at 0.025% (proposed label rate) and three sheep treated at the 0.05% (2X rate). This treatment will be done on recently shorn sheep.

Sheep Mange: Three sheep treated twice at 0.05% (proposed label rate) and three sheep treated twice at the 0.1% rate (2X rate). These treatments will be done 7 days apart on recently shorn sheep.

Controls: Two sheep will be used as untreated controls.

The six sheep treated for sheep keds and one untreated control animal will be slaughtered one day after the single treatment.

The six sheep treated for mange and the other untreated control will be slaughtered one day after the second treatment.

Immediately following slaughter, a minimum of one pound of the subcutaneous fat, renal fat, and lean muscle taken from two different sites on each test animal as well as the liver and kidney will be placed in individual plastic bags, labelled, frozen and shipped for analyses.

Our Comments

RCB considers the proposed protocol suitable to generate the residue data needed to support dermal applications of amitraz to sheep and goats.

cc: Reading File, Subject File, Circulation, Reviewer, PMSD/ISB
RDI: A. R. Rathman, 6/17/87; R. D. Schmitt, 6/17/87
TS-769:RCB:LSP:lsp:CM-2:Rm803C:557-7324:6/17/87