



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

MAR 27 1987

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: TAS Analysis of Section 18 Request For Fenoxycarb.
EPA Reg. No. 35977-4; 87-AZ-03; Caswell #652C.

TO: Don Stubbs, Head
Emergency Response and Minor Use Branch
Registration Division (TS-767C)

FROM: ~~D. Stephen Saunders, Ph.D.~~
Acting Program Manager, TAS
Hazard Evaluation Division (TS-769C)

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

DS 3/26/87
[Signature]

Action Requested

Provide an analysis by the Tolerance Assessment System for the impact of the proposed use of Fenoxycarb on citrus and cattle feed. Tolerances of 0.05 ppm in citrus, and 0.1 ppm in milk are requested (LOD). A maximum likely residue of 0.02 ppm was used to estimate exposure to milk (memo Metzger to Stubbs, 2-6-87).

Recommendations

The Reference Dose (RfD, RDV, PADI) used in the analysis was 0.01 mg/kg/day. This value has not been verified by the appropriate Agency RfD committees.

The requested use would result in an estimated TMRC for the U.S. population of 0.0003 mg/kg/day, which is equivalent to 3.3% of the PADI. The most exposed subgroup would be non-nursing infants, whose estimated TMRC would be 0.0016 mg/kg/day, equivalent to 15.6% of the PADI. A summary of the analysis is appended.

ATTACHMENT

cc: TAS file
Reading file
circ.
D. Van Ormer (TOX)

PMSD
Fenoxycarb SF
S. Rathman (TOX)
Section 18 SF

ROUTINE CHRONIC ANALYSIS: ALL STATISTICS BASED ON INDIVIDUALS' 3-DAY AVERAGE CONSUMPTION 12:51 THURSDAY, MARCH 26, 1987 1

*NAME: FENOXYCARB

*CASWELL NO: 652C CFR NO: CFR

*CAS NO: 79127-80-3 SHAUGHNESSY NO: 125301 B

*STATUS CODES:

*RDV INFO: The ADI value used in this analysis is 00000.0100 MG/KG of BODY WEIGHT/DAY (Study A - Provisional)

*FILE INFO: NEW ACTION: User Modifications APPROVED:Data NOT Used PUBLISHED:Data NOT Used

STUDY RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.

A 00000.0100 000200.000 001000 Subchronic Rat Systemic Supplement

B Subchronic Dog

C Terata Rat

SUMMARY BY POPULATION SUBGROUP									
=====									
TOTAL THRC ADJUSTED FOR BODY WEIGHT				EFFECT OF NEW ACTION					
(MG/KG BODY WEIGHT/DAY)									
PRIOR THRC (EXCLUDES NEW ACTION)	NEW THRC (INCLUDES NEW ACTION)	NEW THRC AS PERCENT OF RDV	NEW THRC AS PERCENT OF RDV	DIFFERENCE (NEW THRC- PRIOR THRC)	DIFFERENCE AS PERCENT OF RDV	DIFFERENCE AS PERCENT OF RDV	DIFFERENCE AS PERCENT OF PRIOR THRC	DIFFERENCE AS PERCENT OF RDV	DIFFERENCE AS PERCENT OF PRIOR THRC
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CASWELL NO.:652C NAME:FENOXYCARB
 CFR NO.:CFR180. CAS NO.:79127-80-3
 SHAUGHNESSY NO.: 125301
 OTHER NAMES:
 LOGIC
 ETHYL-2-P-PHENOXYPHENOXY
 ETHYLCARBAMATE
 RO-13-5223C

STATUS CODES: RPAB:
 RS:
 IBC:
 STATUS1:
 STATUS2:

INSECTICIDE: YES
 FUNGICIDE:
 NEMATOCIDE:
 HERBICIDE:
 RODENTICIDE:
 BIOLOGICAL:
 PHEROMONE:
 GROWTH REG.:
 BACTERICIDE:
 FUNIGANT:
 ACARICIDE:
 OTHER:

USAGE PATTERNS
 TERRESTRIAL-FOOD: YES
 NON-FOOD: YES
 AQUATIC-FOOD:
 NON-FOOD:
 GREENHOUSE-FOOD:
 NON-FOOD:
 FORESTRY:
 DOMESTIC-OUTDOOR:
 INDOOR:

STUDY A STUDY B STUDY C
 SUBCHRONIC SUBCHRONIC TERATA
 RAT DOG RAT
 STUDY TYPE: SUBCHRONIC SUBCHRONIC TERATA
 SPECIES: RAT DOG RAT
 DATE(M/D/Y): 200.000 150.000 150.000
 NOEL OR Q*(PPM): 10.000
 NOEL(MG/KG): 10.000
 LEL:
 SF OR MODEL NO.: 1000
 RDV(MG/KG/DAY): 0.0100
 PROVISIONAL RDV: YES
 EFFECT LEVEL: SYSTEMIC
 CORE GRADE: SUPPLEMTL
 DOCUMENT NO.:

COMMENTS:PADI BASED INTERIM RPT OF CHRONIC RAT STUDY