

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT:

92-LA-12, 92-LA-13. Section 18 Exemptions for

Iprodione on Sweet Potatoes and Sweet Potato Seed

Roots. DRES Dietary Exposure/Risk Estimates.

FROM:

Richard Griffin

Chemistry Branch I / Tolerance Support

Health Effects Division (H7509C)/

THROUGH:

Debra Edwards, Acting Chief

Chemistry Branch I / Tolerance Support

Health Effects Division (H7509C)

TO:

Susan Stanton -

Emergency Response and Minor Use Section

Registration Support Branch Registration Division (H7505C)

Toxicological Endpoints:

RfD: The Reference Dose for Iprodione is 0.04 mg/kg bodyweight/day, based on the NOEL of a one year dog study and an uncertainty factor of 100. (The HED RfD Peer Review Committee will be meeting in October, 1992 to discuss a recently submitted chronic study).

Residue:

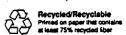
Food tolerances are listed under 40 CFR 180.399 and 40 CFR 185.3750.

Anticipated residues have been estimated for grape commodities, strawberries, stonefruits, and milk.

The "actionable level" for 92-LA-12/92-LA-13 is 20.0 ppm (S.A. Knizner memos, 9/14/92).

Percent Crop Treated:

Exposure estimates are factored by percent usage estimates for grapes, stonefruits, lettuce, and carrots.



Exposure/Risk Estimates:

Published Uses: Tolerance x 100 Percent Use (TMRC)

mg/kg/day

Overall U.S. Population: 0.047052 (118% RfD)
Non-nursing infants: 0.144613 (362% RfD)
Children (1-6): 0.110917 (277% RfD)

Published Uses: Anticipated Residues x Percent Use Estimates

(ARC)

Overall U.S.: 0.013305 (33% RfD)
NN Infants: 0.044586 (111% RfD)
Children: 0.026961 (67% RfD)

Sweetpotatoes: Tolerance x 100 Percent Use (TMRC)

 Overall U.S.:
 0.000777 (2% RfD)

 NN Infants:
 0.005747 (14% RfD)

 Children:
 0.001334 (3% RfD)

cc: R. Griffin, 18 File, RF