

US EPA ARCHIVE DOCUMENT



10-1-92

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 *Richard Griffin* 10/1/92
Chemistry Branch I / Tolerance Support
Health Effects Division (H7509C)

THROUGH: Debra Edwards, Acting Chief *Debra Edwards*
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Health Effects Division (H7509C) 10/1/92

TO: Susan Stanton
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Registration Support Branch
Registration Division (H7505C)

Toxicological Endpoints:

RfD: The Reference Dose for Iprodione is 0.04 mg/kg body-weight/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.

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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