



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

OCT 22 1982

MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

Subject: PP# 2F2728. Iprodione on Almonds.  
Method Trial request.

From: Martin F. Kovacs Jr., Ph.D., Chemist  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769)

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

To: K. Kissler, Section Leader  
Chemical and Biological Investigations Branch  
Benefit and Field Studies Division (TS-768C)

You are requested to run a method trial on the fungicide iprodione (3(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidine carboxamide) in cattle liver and milk. Iprodione is a product of Rhone-Poulenc Chemical Company.

Copies in (duplicate) of the three proposed enforcement methodologies (Rhone-Poulenc Method #159, ADC Method 623-A and ADC Method 623-B) for determining hydroxylated metabolites of iprodione in milk, iprodione and non-hydroxylated metabolites in milk and iprodione and non-hydroxylated metabolites in bovine tissues, respectively, are attached hereto.

Also attached to each enforcement methodology are validation studies utilizing these procedures. Method sensitivities are claimed to be 0.005 ppm as iprodione equivalents (iprodione + RP 32490) in milk, 0.01 ppm for RP 36114 in milk and 0.05 ppm as iprodione equivalents (iprodione + RP 32490) in bovine tissues.

We are recommending that a tolerance level of 0.02 ppm be established for milk and 0.1 ppm for meat, fat and meat by-products (includes liver).

The compounds (iprodione + metabolites) to be used and the appropriate fortifications are given below:

<u>Commodity</u>	<u>Compound</u>	<u>Fortifications</u>
Milk	Iprodione	0, 0.005 and 0.01 ppm
"	RP 32490	0, 0.005 and 0.01 ppm
"	RP 36114	0, 0.01 and 0.02 ppm
Cattle liver	Iprodione	0, 0.025 and 0.05 ppm
"	RP 32490	0, 0.025 and 0.05 ppm

RP 32490 = 3-(3,5-dichlorophenyl)2,4-dioxo-1-imidazolidine  
carboxamide

RP 36114 = N-(3,5-dichloro-4-hydroxyphenyl)-ureido  
carboxamide

Samples should be run in duplicate and control samples should also be carried through the procedures. Any difficulties you encounter in the procedures should be reported as well as the suitability of these methods for enforcement purposes.

The analytical standards for Iprodione, RP 32490 and RP 36114 have been requested from Rhone-Poulenc Inc. and its arrival in your laboratory can be anticipated shortly. P. ✓

These trials should be initiated as soon as possible.

Attachments

cc: RF, Circ., M. Kovacs, Thompson, FDA, TOX, EEB, EFB,  
PP# 2F2728  
RDI: R. Quick, 10/8/82: R. Schmitt, 10/8/82