



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

AUG 21 1985

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Subject: Registration Standard for Trifluralin.
Method Trial Request.

From: Francis D. Griffith, Jr., Chemist
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

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

To: Donald A. Marlow, Chief
Chemical Operations Branch, BUD (TS-768)

Francis D. Griffith, Jr.
CT

Elanco Products Co. has tolerances for trifluralin on carrots at 1 ppm, and on vegetables both leafy, seed and pod at 0.05 ppm. A method trial is requested for one chemical on three commodities, using Method A. Samples should be run in duplicate at the requested fortification levels (see attached table). Two copies of the appropriate method along with recoveries and sample chromatograms, are attached.

Please return the requested information on the attached forms and any other information concerning the method trial that we should be aware of including copies of chromatograms for representative controls, and fortified samples, standard curves and also submit examples of sample calculations.

The analytical reference standard(s) is available at the Repository in PTP, NC. (Telephone No. 919-541-3951)

The Registration Division "projected return date" for this action is N/A.

This method trial request is to overcome a deficiency cited on pg 21 of the Chapter on Residue Analytical Methods, Trifluralin Reg. Std (7/12/85). The Residue Analytical Methods chapter is enclosed for your information.

Attachments: The analytical instrumentation is to be updated by COB.

- (a) Methods (2) send to Kissler
- (b) Additional attachment (1)

TS-769:RCB Reviewer: FDG:CM#2:Rm810:x77377:

cc : RF, Circ., M. Bradley, PM 23, K. Kissler, W. Bontoyan, MTO F

RDI: R. Quick, 8/7/85 RDI: R. D. Schmitt: 8/7/85

Method: (Report No. and/or Title, date) USE SEPARATE FORM FOR EACH METHOD.

Do not use control values for recovery corrections.

Do not report control values as 0; if less than limit of detection,
report as such.

<u>Commodity</u>	<u>Chemical Added</u>	<u>PPM added</u>	<u>PPM found</u>	<u>% Recovery</u>
Carrots	Trifluralin	1		
Brassica Vegetable	Trifluralin	0.05		
Green Beans	Trifluralin	0.05		

Carrots	Trifluralin	1		
	BHC	1*	*Recovery data, <u>per se</u> , not request only extent of interference with trifluralin	
	Zineb	7*		
	Ethion	1*		
Brassica Vegetable	Trifluralin	0.05		
	BHC	1*		
	Zineb	7*		
	Ethion	1*		
Green Beans	Trifluralin	0.05		
	BHC	1*		
	Zineb	7*		
	Ethion	1*		

USE SEPARATE FORM FOR EACH METHOD

Modifications to method (major or minor):

Special precautions to be taken:

Source of analytical reference standards:

If derivitized standard used, give source:

Instrumentation for quantitation:

Instrumentation for confirmation:

If instrument parameters differ from method given, list parameters used.

Commercial source for any special chemicals or apparatus:

Comments:

Chromatograms: