

US EPA ARCHIVE DOCUMENT



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

PP1F3976
8-12-93

AUG 12 1993

MEMORANDUM

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Multiresidue Method (MRM) Validation Data for the Metabolites of Vinclozolin (Ronilan Fungicide).
MRID No. 426227-01; CBTS No. 12311; DP Barcode: D193892.

FROM: William D. Wassell, Chemist *Will D. Wassell 8/12/93*
Tolerance Petition Section I
Chemistry Branch I - Tolerance Support
Health Effects Division (H7509C)

THROUGH: Robert S. Quick, Section Head *Robert Quick*
Tolerance Petition Section - I
Chemistry Branch I - Tolerance Support
Health Effects Division (H7509C)

TO: Bernadette McMahon, Chemist
Division of Pesticides and Industrial Chemicals (HFS-335)
US Food and Drug Administration
200 "C" Street, S.W.
Washington, D.C. 20204

Attached is the study for multiresidue method (MRM) validation data for several plant metabolites and one animal metabolite of vinclozolin. These metabolites each contain the 3,5-dichloroaniline moiety.

Chemical Name: 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione (vinclozolin).

Type: Fungicide.

Title: "Testing of Vinclozolin Metabolites B, D, E, F, and S through FDA Multi-Residue Protocols A through E".

MRID No. 426227-01.

Protocols Tested: A through E.



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Chemicals Tested: Vinclozolin Metabolite B or 3,5-dichlorophenyl-carbamic acid-(1-carboxy-1-methyl-allyl) ester or BF 352-22.

Vinclozolin Metabolite D or 3,5-dichloroaniline or BF 352-31.

Vinclozolin Metabolite E or N-(3,5-dichlorophenyl)-2-hydroxy-2-methyl-3-butenoic acid-amide or BF 352-23.

Vinclozolin Metabolite F or 2,3,4-trihydroxy-2-methylbutanoic acid-(3,5-dichloroanilide) or BF 352-25.

Vinclozolin Metabolite S or 3-(3,5-dichlorophenyl)-5-methyl-2,4-oxazolidinedione or BF 352-41.

Company: BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709-3528

Performing Laboratory: Spectralytix, Inc.
200 Girard Street, Suite 204
Gaithersburg, MD 20877

Pesticide Petition #: 1F3976/1H5615

40 CFR Reference: 180.380

These data have also been forwarded to the Agency's Analytical Chemistry Laboratory in Beltsville, MD. If, upon examination, you consider the data to be deficient in any respect, please notify us as to the additional data/information you require. Unless you or the EPA's lab find the data to be deficient, CBTS concludes they are acceptable.

Attachment: "Testing of Vinclozolin Metabolites B, D, E, F, and S through FDA Multi-Residue Protocols A through E", John Fomenko, 11/11/92, BASF Study No. 91162, MRID No. 426227-01.

cc (without attachment): RF, Circ., Vinclozolin SF, Vinclozolin List B file, PP#1F3976, WDWassell, MJBradley, PM Team 21 (Ben Chambliss/Julie Fairfax, H7505C), MCollantes (H7508W)

RDI: RS Quick: 8/11/93; RA Loranger: 8/11/93
H7509C:CBTS:WDWassell:wdw:CM#2:Rm 804U:305-6135:8/10/93
Disk: WDW-3, File: FY93WDW.74