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

MAR 24 1988

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Partial Response (Cover letter of 12/1/87) by the Law Firm of McKenna, Conner, & Cuneo on behalf of Centre International d'Etudes du Lindane (CIEL) Pertinent to Data Gap \$171-4 as Identified in the Residue Chemistry Chapter of the 9/30/85 Lindane Registration Standard

FROM: John H. Onley, Ph.D., Section Head
Tolerance Petition Section II
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

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

TO: Amy Rispin, Chief
Science Integration Staff
Hazard Evaluation Division (TS-769)

and

George LaRocca, Product Manager #15
Insecticide-Rodenticide Branch
Registration Division (TS-767)

and

Toxicology Branch (Edwin Budd)
Hazard Evaluation Division (TS-769)

In response to the Data Gap \$171-4 detailed in the Residue Chemistry Chapter of the 9/30/85 Lindane Registration Chapter, the Registrant (CIEL) has provided the following studies:

<u>Guideline No.</u>	<u>Study</u>
171-4	Ruminant Metabolism
171-4	Poultry Metabolism

<u>Guideline No.</u>	<u>Study</u>
171-4	Metabolism of ¹⁴ C-Lindane in/on Apple Leaves and Fruit After Treatment with ¹⁴ C-Lindane 25% EC
171-4	Metabolism in Spinach Plants Following Post-emergence Application
171-4	Cucurbits Metabolism in Cucumber Plant Following Post-emergence Application
171-4	Analytical Procedure for the Determination of Residues in Spinach
171-4	An Analytical Method for the Determination of Lindane in Animal Tissues, Eggs, and Milk
171-4	Analytical Procedure for the Determination of Residues in Cucumbers
171-4	Storage Stability Study on Fortified Cucumber Samples
171-4	Storage Stability Study on Fortified Spinach Samples
171-4	The Uptake and Translocation of Radioactive Residues in Plants Grown from Seeds Treated with a ¹⁴ C-Radiolabelled Lindane Emulsifiable Concentrate (EC) Formulation

For your convenience, the reviews of the above studies (done by a team of reviewers) have been assembled and attached to this cover memorandum.

Attached Reviews:

- (1) Ruminant Metabolism
- (2) Poultry Metabolism
- (3) Plant Metabolism (apple, spinach, and cucurbits)
- (4) Analytical Procedure for Plants
- (5) Analytical Procedure for Animals
- (6) Storage Stability (spinach and cucumbers)
- (7) ¹⁴C Uptake from Seed Treatment

cc (with Attachments): Lindane Registration Standard File- W. Boodee, PMSD/ISB, RF, Reviewers: Deyrup, Onley, Otakie, and Dodd; G. LaRocca-PM #15, Circu., Lindane Subject File, TOX, PM#15, A. Rispin

RDI:J.H.Onley:3/23/88:RDS:3/23/88
TS-769:RCB:CM#2:RM810:X1878:J.Onley:nd:3/23/88