

ANNUAL REPORT OF COOPERATIVE REGIONAL

RESEARCH PROJECTS

January 1 to December 31,
1965

1. PROJECT: IR-4 Evaluation of Current Data and Needed Research to Determine Tolerance Limits of Chemicals for Minor Uses on Agricultural Products.

2. COOPERATING AGENCIES AND PRINCIPAL LEADERS:

<u>Areas</u>	<u>Technical Committee</u>	<u>Administrative Advisory Committee</u>
No. Central	Dr. R. L. Janes, Mich.	Dr. J. A. Callenbach, N. D.
Southern	Dr. C. H. Van Middelem, Chm. Fla.	Dr. H. H. Wilkowske, Chm., Fla.
Western	Dr. V. H. Freed, Ore.	Dr. A. M. Boyce, Cal.
CSRS, USDA	Dr. E. R. McGovran	
ERD, USDA	Dr. K. C. Walker, Sec.	
No. Eastern	Dr. B. B. Pepper, N. J.	Dr. W. C. Kennard, Conn.

CONSULTANTS TO THE IR-4 PROJECT

Mr. Harold G. Alford, USDA-PRD
Dr. F. H. Dale, U. S. Department of Interior
Dr. W. D. McClellan, USDA-CRD
Dr. J. E. Swift, California

In addition the Experiment Station Director of each state has appointed a member of his staff to act as a liaison with the project leader.

3. PROGRESS OF WORK AND PRINCIPAL ACCOMPLISHMENTS

As the IR-4 Project develops, it becomes clear that only a few of the so-called minor crops can be legally treated with a limited number of pesticides. Rarely can a farmer-grower legally use the necessary range of pesticides required to effectively control the spectra of crop pests to bring minor crops to marketability. Requests for pesticide clearances have been received throughout the year. Final disposition of these requests are brought to completion by label registrations under the Federal Insecticide, Fungicide and Rodenticide Act.

IR-4 continuously receives requests from entomologists, plant pathologists, herbicide specialists, crop specialists, county agents, representatives of grower associations and state extension personnel representing disciplines

involving the use of pesticides on agricultural crops. Requests for pesticide clearances have been received from thirty-seven states and Puerto Rico. During the past year seventy-two label registrations for forty-two pesticides were finalized through USDA-PRD for use on sixty-three minor crops or for minor uses on major crops. Of the forty-two pesticides, ten were cleared as fungicides, twenty as insecticides or miticides, eight as herbicides, one as an attractant, one as a nematocide, and two as plant growth regulators. One hundred and thirty-two label registrations are under way, and label registration clearances will continue with some degree of regularity. Progress reports were made at four cooperative regional research project meetings, namely S-22, NE-36, NC-19 and NC-33 and W-45. In addition group discussions of state pesticide problems were held in seven states. Twenty-nine days were spent with federal regulatory agencies in Washington, D. C.

During the year information on clearances was distributed to state liaison representatives to keep them well informed of the progress of this project. The following releases were distributed:

1. Minor Use Clearances of Pesticides on Agricultural Crops. IR-4 Project, Use Clearances Completed. June 21, 1965. A compilation of use clearances not previously distributed.
2. Use of sodium orthophenylphenate on Seed Sweet Potatoes, IR-4 Pesticide Clearance New, July 15, 1965.
3. Ethion Miscible Oil Spray - Code 755, Registration Number 279-1369 on chestnuts, filberts and pecans. IR-4 Pesticide Clearance News, October 13, 1965.
4. Ethion 25 WP - Code 162, USDA-PRD Registration Number 279-1518; Ethion 25 Spray Code 30374, USDA-PRD Registration Number 279-1401; Ethion 4 Miscible - Code 1321, USDA-PRD Registration Number 279-1254 on chestnuts, filberts and pecans. IR-4 Pesticide Clearance News, October 21, 1965.

No. Pesticide Clearance Requests Rec'd. (Note 1)		No. Pesticide Registrations Completed		No. Pesticide Chemicals Involved		No. Crops Involved		No. Use Clearances in Progress (Note 2)	
<u>1964</u>	<u>1965</u>	<u>1964</u>	<u>1965</u>	<u>1964</u>	<u>1965</u>	<u>1964</u>	<u>1965</u>	<u>1964</u>	<u>1965</u>
446	379	4	72	4	42	4	63	30	132

Note 1 For the most part the 446 pesticide clearance requests for 1964 formed the basis for initiating the IR-4 Project. The 379 requests received during 1965 are in addition to those listed for 1964.

Note 2 The 132 clearance requests in progress at the end of 1965 are those requests where sufficient progress has been made to justify expectations of clearances during 1966. Pesticide clearances through label registrations are continuing processes.

4. USEFULNESS OF FINDINGS:

Clearances of pesticides for use on minor crops aid the farmer-grower in handling insect, disease and weed problems. Increased yields of quality fruits and vegetables free from pesticide residues are a necessity for the consumer. Pesticide label registrations permit research workers in their investigations in pest control to apply pesticides without destroying the treated crop.

5. WORK PLANNED FOR NEXT YEAR (1966)

The clearance of pesticide chemicals is to be continued and expanded. Completion of a categorization of minor crops in relation to pesticide residues is planned for 1966.

Under Public Law 518 pesticide tolerances are established for raw agricultural commodities. When a pesticide is not systemic, major crops are "grouped" in twenty-eight categories. The pesticide residue on or in several crops in each category may then be considered to be of similar magnitude. A full complement of residue data is not generally required for all the crops in a given category. If the pesticide is systemic, a full complement of residue data is required for each crop.

There is also a provision in the law whereby additional crops may be added by definition to established crop categories. One of the objectives of the IR-4 Project is to submit detailed information on minor crops for consideration by the FDA for acceptance of such minor crops as a part of established major crop categories. If by categorization of minor crops, FDA can accept a significant number of minor crops in the established "grouping" of major crops, the use clearance of pesticides on minor crops will be facilitated.

6. PUBLICATIONS ISSUED:

"Procedural Guide Lines Relating to Pesticide Tolerances and Label Registrations" - C. C. Compton, N.A.C.C. News, Vol. 23, No. 5, June 1965.

January 10, 1966
APPROVED:

C. C. Compton
IR-4 Project Leader

January 10, 1966
Date

C. H. Van Muddelen
Chairman - Technical Committee

January 10, 1966
Date

H. H. Wilkowsky
Administrative Advisor