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Soybean Diseases in Peru

James B. Sinclair

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International Soybean Program, INTSOY

College of Agriculture  
University of Illinois at Urbana-Champaign  
113 Mumford Hall, Urbana, Illinois 61801 U.S.A.

College of Agricultural Sciences  
University of Puerto Rico, Mayaguez Campus  
Mayaguez, Puerto Rico 00708

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Trip Report - Peru

- I. NAME: James B. Sinclair  
Professor of International Plant Pathology/UIUC and INTSOY
- II. PERIOD OF TRAVEL: 7 - 15 March 1980
- III. ITTNERARY:  
Arrive Lima 0830 - Depart Lima 1100  
(March 7) (March 15)
- IV. PURPOSES:
1. To review the INTSOY Program in Peru and to advise on the diagnosis and control of soybean diseases that occur.
  2. To visit as many production areas as possible to learn about the disease problems in each of these areas.
- V. ORGANIZATIONS AND PERSONS CONTACTED:
- USAID, Lima
- Dr. Loren J. Schulze
  - Mr. John O'Donnell
- INTSOY, Lima
- Dr. Thomas M. Fullerton, Project Leader/Extension Agronomist
  - Dr. Luis Camacho, Agronomist-Breeder
  - Dr. Al Siegel, Food Scientist
- Ministry of Agriculture-Lima
- Dr. Rodolfo Vargas, National Coordinator for Soybean
  - Dr. Ricardo Villamonte, National Coordinator of Soybean Production
- Centro de Investigacion Agropecuaria del Oriente, Lima
- Dr. Oswaldo Vargas, Director
- EL PORVENIR STATION, Tarapoto
- Ing. Manuel Lescano, Director
  - Dr. Cesar Valles Panduro, Plant Pathologist
  - Ing. Homer Tuesta, Agronomist (M.Sc.-UPR)
  - other technical persons
- INIA (Instituto Nacional de Investigacion Agropecuaria, Tarapoto)
- Ing. Antonia Sandoval, Agronomist and Soybean Production Coordinator

COPERIOLTA (Dutch program in technical assistance)

- Mr. Mensink, Agronomist
- Mr. Stoerd Bakker, graduate student, Wageningen, Netherlands

INIA-Central, Lima

- Rufino Montalvo, Agronomist and Coordinator for Oil Seeds and Food Legumes
- Jose Bruno, Agronomist-Soybean Breeder
- Filiciano Avalos, Entomologist
- Oscar Bullon, Weed Specialist
- Renzo Urdanivia, Plant Pathologist
- Angel Oviedo, Plant Pathologist
- Eliodoro Herrera, Nematologist
- Juvenal Sala, Nematologist

VI. RESULTS AND ACCOMPLISHMENTS:

This was an excellent opportunity to review the program in Peru. I was impressed with the accomplishments of the UIUC Team, the entomology program of Mike Irwin and the potential of soybean production in Peru. The three most important diseases of soybean in Peru are "Machismo," pod and stem blight and stem canker, and yeast spot of seeds. Other diseases that occur are: brown stem rot, Rhizoctonia web blight, bacterial blight, Phytophthora blight, purple seed stain, soybean mosaic virus, Pythium seedling blight, Fusarium seedling disease, anthracnose, charcoal rot and Bacillus on seeds. Soybean mosaic is an important disease in the coastal region, where infection by soybean mosaic virus may be as high as 85%.

The best opportunity for building a pathology component into the present pest management system would be using soybean mosaic, since it is a severe disease, it is insect transmitted and there is a plant virologist interested in developing such a program. Drs. Irwin and Goodman will be traveling to Peru in April and this possibility can be discussed.

There were a number of requests for publications and reprints, etc. All of these materials have been sent.

VII. FOLLOW-UP ACTIONS:

1. It was agreed that a collection of books and journals from the Agriculture Library (UIUC), the Department of Plant Pathology Reading Room and other items donated by various members of the agriculture faculty at UIUC would be sent to INIA-Peru for distribution to the various agriculture stations in Peru.
2. Further cooperative projects between pathologists of UIUC and INIA-Peru should be fostered.