

AGENCY FOR INTERNATIONAL DEVELOPMENT WASHINGTON, D. C. 20523 BIBLIOGRAPHIC INPUT SHEET	FOR AID USE ONLY <i>Batch 5C</i>
---	-------------------------------------

1. SUBJECT CLASSIFICATION	A. PRIMARY Food production and nutrition	AA50-0000-0000
	B. SECONDARY Research	

2. TITLE AND SUBTITLE
International agricultural research network for soybeans

3. AUTHOR(S)
(101) AID/TA/AGR

4. DOCUMENT DATE 1975	5. NUMBER OF PAGES 11p.	6. ARC NUMBER ARC
--------------------------	----------------------------	----------------------

7. REFERENCE ORGANIZATION NAME AND ADDRESS
AID/TA/AGR

8. SUPPLEMENTARY NOTES (*Sponsoring Organization, Publishers, Availability*)

9. ABSTRACT

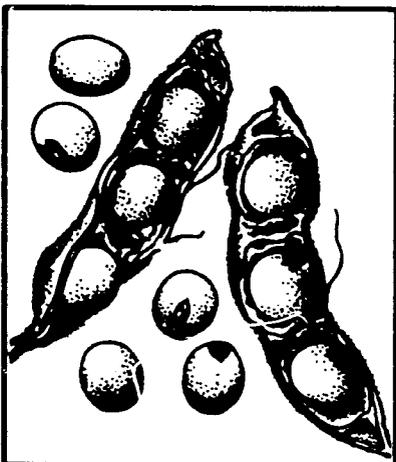
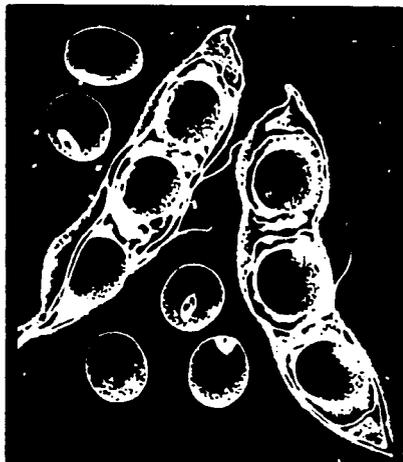
THE PROJECT: Facilitates communication among international and regional centers and institutions of the developed and developing nations via mutually supportive networks. Research, information and technical assistance linkages afford maximum research productivity, and maximum support for the expansion of the lesser-developed countries' research capabilities.

DURATION: 1973-1975

DEVELOPMENTS: Each of the seven publications in this series charts the major linkages within a particular network, and gives the function, services, and fund source for each of the network components. The reports include both AID and regional support projects, and a list of pertinent institutions and their addresses. To improve the situation of the lesser-developed countries farmer, the massing of resources is critical; these publications provide guidance on how useful linkages can be established.

10. CONTROL NUMBER <i>PN-AAD-526</i>	11. PRICE OF DOCUMENT
12. DESCRIPTORS Networks Soybeans	13. PROJECT NUMBER
	14. CONTRACT NUMBER AID/TA/AGR
	15. TYPE OF DOCUMENT

AID/TH/AGIC
PN-ADD-526



INTERNATIONAL AGRICULTURAL RESEARCH NETWORK

for
SOYBEANS

APRIL 1975

Office of Agriculture • TECHNICAL ASSISTANCE BUREAU • AGENCY FOR INTERNATIONAL DEVELOPMENT • Washington, D.C. 20523

Network Series: AGR-07

INTERNATIONAL AGRICULTURAL RESEARCH NETWORK

FOR

SOYBEANS

Network Series - Agriculture

April 1975

Office of Agriculture Technical Assistance Bureau AGENCY FOR INTERNATIONAL DEVELOPMENT Washington, D. C. 20523

Network Series AGR-07

INTERNATIONAL SOYBEAN RESEARCH NETWORK

General

The Office of Agriculture, Technical Assistance Bureau (TA/AGR)^{1/}, is responsible for fostering the development of mutually supporting agricultural research, information, and technical assistance networks among research and development institutions in the lesser developed countries (LDCs), international and regional research centers, and research institutions in the developed countries. While network building is most advanced for the primary food grains -- rice, wheat, and maize -- it is also being rapidly developed for other major food crops as well as for selected areas of ruminant livestock.

Agency policy is to encourage network building with special efforts to link the least developed countries into the networks. Emphasis also is placed on regional research networks, such as the East and West Africa Cereals Projects. This overall policy reflects the following three sets of facts:

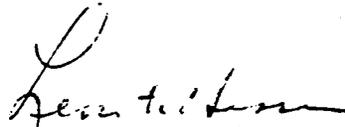
1. Agricultural research calls for talent and money in amounts exceeding the scarce resources available to individual LDCs and required to achieve significant breakthroughs.
2. Research on common problems at widely separated locations can be mutually reinforcing, if suitable facilities for exchange of information exist.
3. The great mass of research facilities and capabilities exists in the developed countries, especially in the U.S. This can be utilized to accelerate the development of the research capabilities in the LDCs. Widespread LDC participation, in turn, brings faster and more effective research results.

Networks are established to achieve the critical massing of resources essential to solve the important agricultural problems of the LDCs. The need to coordinate and integrate all related international research on specific crops, crop diseases, pests, weeds, soils, animals, etc.

^{1/} Organizations and their acronyms mentioned are listed at the end of this publication.

led to emphasis by AID on the strengthening of worldwide research networks. Maximum research productivity and the avoidance of duplication, as well as maximum support for expansion of the LDCs own research capabilities, are the goals of this network approach. The ultimate goal of the research networks is, of course, to improve the situation of the rural poor. This publication is intended to provide guidance on how useful linkages can be established and to suggest agencies that may be contacted to explore new linkages.

Users of this material are encouraged to comment on the overall content of the bulletin and to offer suggestions that may prove useful in the contemplated periodic updating of the publication. Communications should be addressed to this office.



Leon F. Hesser
Acting Director
Office of Agriculture
Technical Assistance Bureau
Agency for International Development
Washington, D. C. 20523

SOYBEAN RESEARCH NETWORK

The Soybean Research Network is made up of the participating research institutions and the linkages among them. The chart immediately following shows the major linkages and the sources of funds provided by donors in support of the International Research Network for soybeans. All linkages are not shown, or may be shown inadequately, and, since this is a dynamic system, changes can be expected in the network over time. Internal linkages within the LDCs are not explored.

The basic information on the Soybean Research Network, needed by operational personnel, is presented in descriptive form in the table immediately following the chart. The "Components" column refers to the individual research institutions or systems which are or will be working toward development of the needed technology.

The International Soybean Program - INTSOY - of the University of Illinois at Urbana-Champaign and the University of Puerto Rico, Mayaguez Campus is the key soybean research resource base. INTSOY is concerned with production, harvesting, marketing, processing, and use. The major emphasis is on exploiting the unique potentials of soybeans as a source of protein for direct human consumption. The research thrust centers on the problems of tropical and subtropical environments as potential areas for increasing production, and on nutrition and processing to expand the use of soybean protein foods in human diets.

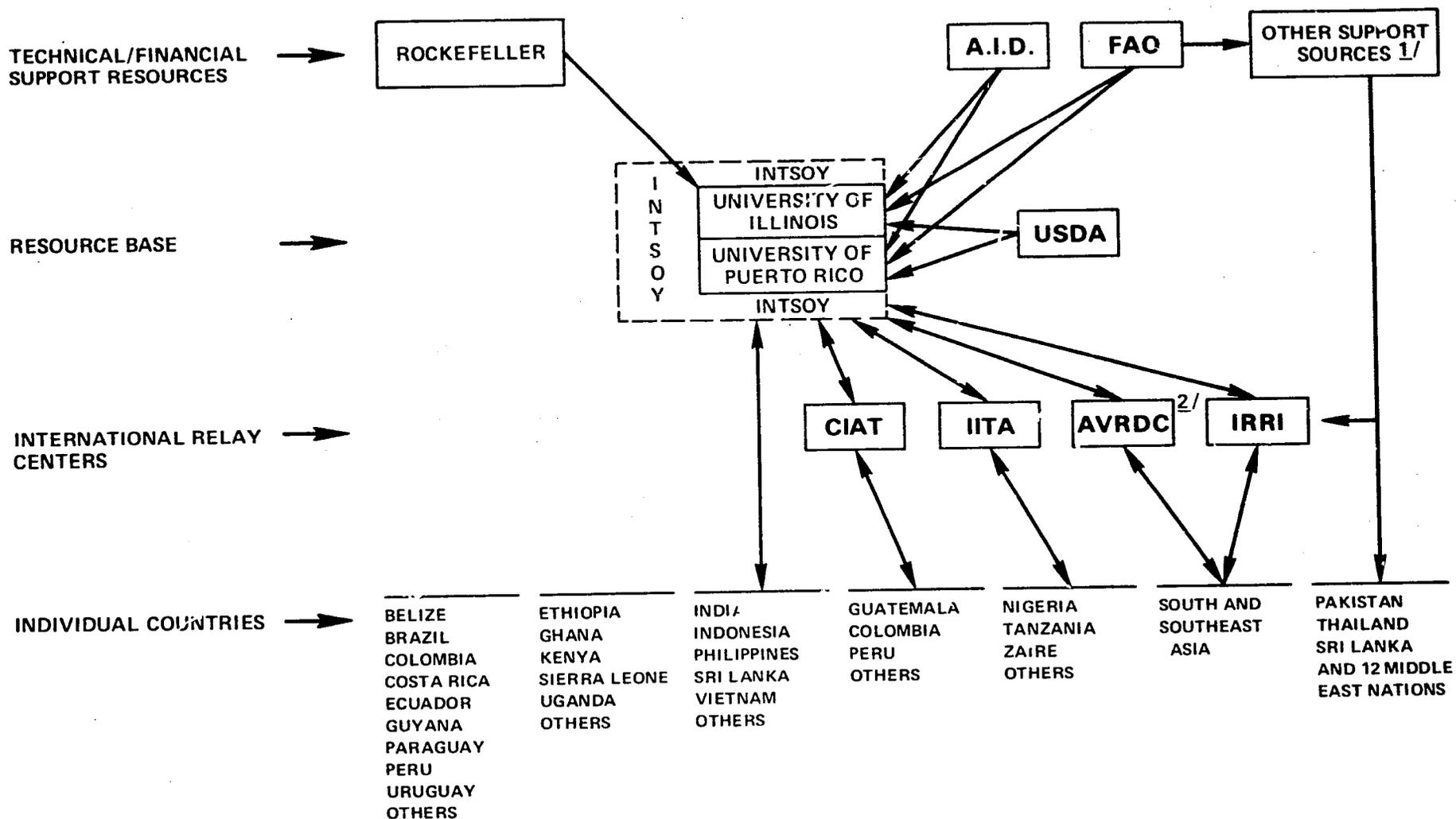
International, regional, and national institutes also form integral components of the network, receiving benefit from, as well as contributing to, the worldwide Soybean Network. Other columns show "Functions" performed at each unit in the network, "Services Available" from each and how each is financed.

The next section views the Network in terms of AID support.

Finally, to facilitate communication, a list of the various institutions mentioned and their addresses is appended.

INTERNATIONAL SOYBEAN RESEARCH NETWORK

Major Linkages



^{1/} OTHER DONORS, INCLUDING MEMBERS OF THE CGIAR, PROVIDING FUNDING LINKAGES TO VARIOUS ELEMENTS OF THE NETWORK. THIS IS INDICATED IN GENERALIZED FORM AT THE RIGHT HAND EDGE OF THE DIAGRAM.

^{2/} AVRDC IS WORKING ON SIX VEGETABLES OF IMPORTANCE TO ASIA, ONE OF WHICH IS SOYBEANS.

INTERNATIONAL SOYBEAN RESEARCH NETWORK

COMPONENTS	FUNCTIONS	SERVICES AVAILABLE	SOURCE OF FUNDS
AVRDC - ASIAN VEGETABLE RESEARCH CENTER, TAIWAN	Research on soybeans and vegetables	Source of seed and consultant services	USA, Japan, Viet-Nam, Thailand, Taiwan and Philippines
CIAT - INTERNATIONAL CENTER FOR TROPICAL AGRICULTURE, CALI, COLOMBIA	Serves as relay center to Latin America; limited research facilities	Source of seed and consultant services	Consultative Group on International Agricultural Research and bilateral donors
FAO - FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS, ROME, ITALY	Specialized Agency of the United Nations dealing with worldwide Food and Agriculture matters and with improving food and agriculture in the LDC	With UNDP funding, undertakes long and short term agricultural development projects, provides technical assistance and training	UN members
IITA - INTERNATIONAL INSTITUTE FOR TROPICAL AGRICULTURE, IBADAN, NIGERIA	Serves a soybean relay center for INTSOY to African countries. Cooperates with fairly extensive soybean research programs in various African countries	Seed, technical information, training and consultant services. Workshops and seminars. Service limited to Africa.	CGIAR and other bilateral donors

INTERNATIONAL SOYBEAN RESEARCH NETWORK

COMPONENTS	FUNCTIONS	SERVICES AVAILABLE	SOURCE OF FUNDS
INTSOY - INTERNATIONAL SOYBEAN PROGRAM OF THE UNIVERSITY OF ILLINOIS, CHAMPAIGN, ILLINOIS	Multidisciplinary production oriented research; support production programs; training and consultation	Seeds, technical information, training and consultant services. Support in research and production management, workshops and seminars	AID and Rockefeller Foundations
UNIVERSITY OF PUERTO RICO, MAYAGUEZ, PUERTO RICO			
IRRI - INTERNATIONAL RESEARCH INSTITUTE LOS BANOS, PHILIPPINES	Serves as relay center to Sri Lanka conducting research on inter-cropping on rice and soybeans	Source of seeds and technical and consultant services	Consultative Group on International Agricultural Research and bilateral donors

AID SUPPORTING PROJECTS

TA/AGR Supporting Projects

Research

1. Improved Soybean Production, University of Illinois
2. Water Management Research in Arid and Semiarid Lands. Two Projects, Colorado State University for Asia and Utah State University for Latin America
3. Agronomic-economic Research of Tropical Soils, North Carolina State University
4. Control of Weeds, Oregon State University

General Technical Services

1. Budget Support to CIAT, IRRI, and IITA.
2. Pest Management and Related Environmental Protection, University of California
3. Fertilizers, Technical Assistance, Survey, Training, and Consultations, TVA
4. Seed Program and Industry Development, Mississippi State University
5. Plant and Seed Materials for Development of Potential Crops, USDA
6. Technical Assistance in Food Grain Drying, Storage, Handling, and Transportation, Kansas State University

211(d) Grants

1. Increasing Competence in Soybean Breeding and Production for Tropical and Subtropical Conditions, University of Illinois
2. Increasing Competence in Dealing with Diseases and Insect Pests of Soybeans Under Tropical and Subtropical Conditions, University of Puerto Rico

TA/DA Supporting Projects

Support to Southeast Asian Regional Center for Graduate Study and Research through a contract with the Harvard Business School to develop commodity systems approach to crops involving rationalization and coordination of agro-business/production linkages and of movement of inputs and outputs through the system. The contract specifically involves the Philippines, Thailand and Indonesia.

Regional Bureau Support

Supporting Assistance Bureau Funds AVRDC.

Mission Level Support

Programs in process of implementation in Guyana, Pakistan and Peru.

MAILING ADDRESSES OF INSTITUTIONS MENTIONED

AID Agency for International Development
Department of State
Washington, D. C. 20523

AVRDC Asian Vegetable Research and Development Center
P. O. Box 42, Shanhua, Tainan 741
Taiwan, Republic of China

CGIAR Consultative Group on International Agricultural Research
International Bank for Reconstruction and Development
1818 H Street, N.W.
Washington, D. C. 20433

CIAT Centro Internacional de Agricultura Tropical
(International Center of Tropical Agriculture)
Apartado Aereo 67013
Cali, Colombia

FAO Food and Agriculture Organization of the United Nations
Via delle Terme di Caracalla
00100 Rome, Italy

IITA International Institute for Tropical Agriculture
Oyo Road
P.M.B. 5320
Ibadan, Nigeria

INTSOY International Soybean Program
University of Illinois
113 Mumford Hall
Urbana, Illinois 61801

University of Puerto Rico
Mayaguez Campus
Mayaguez, Puerto Rico

IRRI International Rice Research Institute
 P. O. Box 933
 Manila, Philippines

ROCKEFELLER The Rockefeller Foundation
 111 West 50th Street
 New York, New York 10020

USDA United States Department of Agriculture
 Agricultural Research Service
 Washington, D. C. 20250