

**AGRICULTURAL POLICY ANALYSIS PROJECT
U. S. AGENCY FOR
INTERNATIONAL DEVELOPMENT
CONTRACT NO. DAN-4084-C-00-3087-00
OKLAHOMA STATE UNIVERSITY**

**1987
ANNUAL PROJECT REPORT
YEAR FOUR**

AND

**ACTIVITY WORK PLAN
FOR YEAR FIVE**

Submitted to

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Report A-45

SUMMARY

This is a report of activities by Oklahoma State University from October 1986 through September 1987 as provided under its agreement with Abt Associates, Inc. on the Agricultural Policy Project (APAP) under Contract No. DAN-4084-C-00-3087-00. The reported activities for Project Year 4 (10/86-9/87) were supported under a funding Year which runs from January 1, 1987 through January 31, 1988. Oklahoma State University has continued its contribution to the APAP through activities related to Training and Technical Assistance in Agricultural Policy Analysis. Major activities during the current year included:

1. AID/FAO Expert Consultation on Agriculture Market Intervention and Pricing Policies in Africa.
2. Presentation of a short course on "Mathematical Programming Applications to Policy Analysis."
3. Presentation of a short course on "Microcomputer Applications in Agricultural Development."
4. Advisory support to the Economic Studies Unit of the National Agricultural Council in the Dominican Republic.

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INTRODUCTION

The major objective of the Agricultural Policy Analysis Project is to assist the Agency for International Development (AID) and AID- assisted countries in the promotion of policies supportive of agriculture's contribution to the economic and social well being of economies in developing countries. Oklahoma State has contributed to the APAP by providing technical assistance and training in agricultural policy analysis.

Planned and Completed Activities During Project Year Four

The activities during year four of the project can be classified into worldwide and country specific. These include:

Worldwide

Expert Consultation on Agricultural Market Intervention and Pricing Policies in Africa, Arusha, Tanzania, May 4-8, 1987.

New Training Course on Mathematical Programming. Three week short course at Oklahoma State University, May 15-June 3, 1987

Microcomputer Applications in Agricultural Development. Six week short course at Oklahoma State University, June 23-August 6, 1987

Preparation of materials for policy studies, workshops, and technical assistance programs.

Country Specific Activities

Continued support for the Economic Studies Unit (UEA) of the Council of Agriculture in the Dominican Republic in providing computer training and in development of the DOMINGO Agricultural Accounting model.

***Expert Consultation on Agricultural Market Intervention
and Pricing Policies in Africa***

This conference held in Arusha, Tanzania, (May 4 - May 8, 1987) was organized by the Association of Agricultural Development Planners in Africa and was co-sponsored by FAO/USAID. The consultation was attended by 29 participants from five countries including Ghana, Liberia, Sudan, Tanzania and Uganda, two international organizations, FAO and CIRDAFRICA and one bilateral agency, USAID. Professor Luther Tweeten delivered the keynote address and Professor James Trapp demonstrated microcomputer techniques in agricultural policy analysis. Professors Luther Tweeten, James Trapp, and Dean Schreiner had previously made trips to Africa to work with participants in developing country papers. Documentation of these efforts published during 1987 can be found in the list of project papers A-33, A-36, A-37 and A-41. Country papers were presented by Mr. Bomia Rogers from Liberia, Professor Jossy Bibangambab from Uganda, Dr. S.K. Dapaah from Ghana, and Dr. Gilead Mlay from Tanzania. An additional paper was developed by Professor F.S. Idachaba from Nigera who was unable to attend the conference.

The conference proceedings have been edited and sent to the authors and to FAO for publication. A trip report which contains an overview of the presentations at the conference by Luther Tweeten and James Trapp was published as APAP Report A-41, May 1987. Dr. Luther Tweeten has also published a report on "Agriculture Market Intervention and Pricing Policies in Africa" as APAP B-25.

***Mathematical Programming Applications to Policy
Analysis Short Course***

This was a new course developed around the recent book *Mathematical Programming for Economic Analysis in Agriculture* by Peter Hazell and Roger Norton. The course is designed to provide training in the techniques of building and maintaining mathematical programming models for economic analysts and administrators who have responsibilities for development planning and policy analysis. The APAP had previously provided support for the book.

Roger Norton and Peter Hazell were the principal instructors while Elton Li and Art Stoecker developed the microcomputer exercises which accompanied the lectures. After the morning lecture, the participants moved to a microcomputer laboratory to gain hands on experience in applying the concepts discussed in the lecture. Major topics included farm level models, analysis of risk in farm level models, agricultural sector models, price endogenous models, risk in sector level models, computable general equilibrium models, and modeling governmental market interventions. The microcomputer through the use of Lotus-type spreadsheets greatly eases the construction and maintenance, as well as the understanding of, linear programming models. The course had six international participants along with graduate students and faculty members from OSU. The international participants rated the course very highly. Current plans are to continue to develop the course and to apply for USDA support.

Microcomputer Applications in Agricultural Development

This six week short course (June 29 - August 6, 1987) was an outgrowth of previous microcomputer training sponsored by the APAP. Twenty-two

participants from 19 countries completed the course. Principal instructors for the course were Dr. Elton Li and Dr. Art Stoecker. Professors Luther Tweeten, Daryll Ray, Darrel Kletke, Francis Epplin, Dean Schreiner, and James Trapp presented lectures and laboratory exercises on specific subject matter areas. The major topics covered in the course included an introduction to microcomputers, analysis of agricultural pricing policies, development of farm enterprise budgets, linear programming, agricultural project analysis, econometrics, simulation and analysis of agricultural data bases. Each participant had exclusive twenty-four hour access to an IBM type microcomputer. The morning subject matter lecture was followed by hands-on microcomputer exercises which utilized concepts developed during the morning lecture.

Participant interest in the course remained high and many students used the laboratory facilities in the evening and on weekends. The participants rated the course quite high in nearly all aspects. When asked how confident they were about being able to apply the skills in the course to situations in their home countries, the twenty-two participants gave an average response of 4 on a 1 to 5 scale with 5 being extremely confident.

Development of Materials for Policy Analysis

A complete list of publications under this project is included in Annex II of this report. Publications are designated with an A for activity reports and with a B for more technical or analytical publications.

The following Activity reports have been published during Year 4:

- A-30. Ewusi, Kodwo and Stephanie Wilson. "African Workshop on Agriculture Market Intervention and Pricing Policies Program Committee Meeting -- Summary of Proceedings." October 14, 1986.

- A-31. Trapp, James. "Activity Report. Livestock Product Demand in the Dominican Republic." November 14, 1986.
- A-32. Trapp, James. "Activity Report. Liberia and Tanzania Trip Report." December 16, 1986.
- A-33. Tweeten, Luther. "Activity Report. Anglophone Expert Consultation Second Country Visit Zambia, Ghana and Rome." January 5, 1987.
- A-34. Benito, Carlos, Arthur Stoecker, Elton Li and Santiago Tejada, et. al. "Activity Report. Dominican Republic Policy Model Workshop. December 1-4, 1986 - Oklahoma State University." January 7, 1987.
- A-35. Strasma, John. "Activity Report. Agricultural Economic Policy Studies Unit (UEA) Review and Evaluation." January 5, 1987.
- A-36. Schreiner, Dean and Isaac J. Minde. "Activity Report. Anglophone Expert Consultation Second Country Visit to Uganda and Kenya and Meetings in Dakar, Senegal and FAO Rome." January 5, 1987.
- A-37. Schreiner, Dean F. "Activity Report. Summary of Advisory Support Services Provided the Economics Study Unit (UEA) of the Dominican Republic National Agricultural Council." January 23, 1987.
- A-38. Department of Agricultural Economics. "Proposal: Microcomputer Applications in Agricultural Development." February 11, 1987.
- A-39. Schreiner, Dean F. "1987 Annual Report and Activity Work Plan." March 23, 1987.
- A-40. Benito, Carlos. "Agricultural Accounting Framework of the Dominican Republic. A Guide for the Development and Use of DOMINGO (Draft). May 19, 1987.
- A-41. Tweeten, Luther G. and James Trapp. "Expert Consultation on Agriculture Market Intervention and Pricing Policies in Africa." May 20, 1987.
- A-42. Li, Elton. "Trip Report Santo Domingo, Dominican Republic." December 3, 1987.
- A-43. Tweeten, Luther. "Trip Report Amman, Jordan ." December, 1987.

The following background bulletins and research reports were published during Project Year 4.

- B-22. Norton, Roger D. "Agricultural Issues in Structural Adjustment Programs", Agricultural Policy Analysis Methods and Case Studies. February 3, 1987.
- B-23. Agricultural Policy Analysis Project. "Proceedings of the Liberian Agricultural Policy Seminar 1985." February, 1987.
- B-24. Agricultural Policy Analysis Project. "Socio-Economic Indicators of Agrarian Reform and Rural Development." Report Prepared for the Statistics Division Economic and Social Policy Department Food and Agricultural Organization of the United Nations. April 3, 1987.
- B-25. Tweeten, Luther. "African Agricultural Policy Interventions: Problems and Opportunities". Agriculture Market Intervention and Pricing Policies in Africa. September 14, 1987.

Dr. Roger Norton has published a report on agricultural issues in adjustment programs (B-22). Dr. Roger Norton is also preparing a book of methods and case studies dealing with agricultural policy analysis in various countries.

Some reports have been published which are written by groups or individuals not directly funded under the project but which deal with issues which are relevant to agricultural policy analysis. There is a report by the FAO which deals with socio-economic indicators in agrarian reform and rural development (B-24).

Country Specific Activities: Support to the Dominican Republic

Oklahoma State University has been very active in providing advisory support services to the Economics Study Unit (UEA) in the Dominican Republic under Contract No. DAN-4084-C-00-3087-00 and under the APAP. The activities completed during the current year include

1. An evaluation of the Agricultural Economics Policy Studies Unit in the Dominican Republic by Dr. John Strasma (A-35).
2. Completion of a documentation for the DOMINGO agricultural accounting model. Documentation prepared by Carlos Benito appears as Report A-40, May 1987.
3. Participation by Dr. Francisco Perez Luna and Mr. Teofilo Suriel in the Mathematical Programming short course at OSU.
4. Completion of a two week training short course in microcomputer applications presented in Spanish in Santo Domingo to twenty participants from the UEA and other related agencies. Ms. Constance Falk and Mr. Daniel Ugarte were the instructors and Dr. Art Stoecker was in the country for technical backup. The course was quite successful and the possibility of giving a similar course to personnel stationed at regional offices has been discussed.
5. A two week TDY by Dr. Art Stoecker to collect data and background material to be used in developing the livestock component for the DOMINGO model. The essential data for a preliminary version of the livestock model has been collected. The UEA is cooperating with the Livestock Department in an extensive cost of production survey of Dairy/Beef producing farms. Some 370 surveys have been taken. The surveys are being edited prior to processing. The preliminary version and related documentation of the livestock component to the DOMINGO model is being assembled at OSU. A follow-up trip to the Dominican Republic is planned during November.
6. Dr. Carlos Benito has developed submodels for analysis of policies related to production of perennial crops in the Dominican

Republic. These models can be used on a stand alone basis or with the DOMINGO model. The need for analysis of policies toward perennial crops has been increased by problems in the sugar industry. The perennial crops to be studied include sugar cane, coffee, cacao and plantain.

Staff Utilization During Project Year 4

Professional staff members associated with the Oklahoma State University component of the APAP project in Year 4 were involved in areas of Policy Workshops or Seminars, Technical Assistance, Networking, Project Evaluation, Preparation of Materials, Training, and Project Management. A total of 535 person days of professional time was used during Year 4. A summary of staff use by project activity for years 1 through 4 is shown in Table 1.

The workshops and technical assistance associated with work in the various activities in the Dominican Republic account for 179 days of professional time. Resources were used under both Dominican Republic mission buyins to add a livestock sector, improve the perennial crop sector and to improve the documentation for the DOMINGO agricultural accounting model. John Strasma performed an evaluation of the UEA unit. A major portion of the professional effort to date from the last mission buyin (code 823) has been used to provide microcomputer training in Spanish to members of the UEA and related units in Santo Domingo.

The FAO/AID policy workshop in Arusha, Tanzania accounted for 130 of the total 513 person days committed during Year 4. An additional 93 person days were used in advance preparations for this workshop during Year 3.

TABLE 1
OKLAHOMA STATE UNIVERSITY
AGRICULTURAL POLICY ANALYSIS PROJECT
STAFFING BY ACTIVITY (PERSON DAYS)

Activity	Year 1	Year 2	Year 3*	Year 4**
Workshops (7)				
7 Management	21.0	65.2	54.2	65.1
70 Preparations	120.2	180.6	293.8	139.0
701 Liberia	128.9	151.5	3.8	
702 Jamaica	14.7	19.0	4.0	
703 Dominican Republic	3.0	103.8	69.0	32.7
704 Cameroon		11.0		
705 FAO/AID Africa			93.0	130.5
711 Liberia (Mission)		37.9		
713 Dom. Rep. (Mission)				63.0
715 Dom. Rep. (Mission)			16.0	84.0
Subtotal	<u>287.8</u>	<u>569.0</u>	<u>533.8</u>	<u>514.3</u>
Technical Assistance (8)				
8 Management	19.4	26.2	9.5	
80 Preparation	11.9		9.0	
801 Dominican Republic	9.0			
802 Peru	34.4			
803 ROCAP	12.0	4.0		
804 Liberia	27.8	35.3	2.0	
814 Liberia (Mission)		13.9		
823 Dom. Rep. (Mission)				21.0
Subtotal	<u>114.5</u>	<u>79.4</u>	<u>20.5</u>	<u>21.0</u>
Technical Assistance (1)	11.0			
Guidelines (3)	1.2			
Design and Evaluation (5)	18.3			
TOTAL	<u>432.8</u>	<u>648.4</u>	<u>554.3</u>	<u>535.3</u>

* Year 3 is from October 1, 1985 through September 30, 1986

** Year 4 is from October 1, 1986 through September 30, 1987

Approximately 139 person days were used in preparation of materials. Prepared materials included case studies for a book by Roger Norton, a book of policy tools which is being edited by Luther Tweeten, and materials prepared for other workshops.

Fewer person days were supported from centrally funded activities during Year 4 than during Years 2 and 3 because of limitations in central funding.

A listing of the professionals who have been involved with the project through Year 4 is provided in Table 2. The increase in the proportion of professional time in the international category in Year 4 resulted from the FAO/AID workshop in Arusha and from increased involvement with the Dominican Republic.

Budget Allocation

A comparison of the APAP expenditures by activity during years 3 and 4 is given in Table 3. Total expenditures for years 3 and 4 were approximately the same although S & T funded activities were reduced in year 4. Reductions in S & T funding presented special difficulties because of the previous commitments to the AID/FAO Arusha workshop which were made during year 3. A major portion of the Year 4 expenditures for this workshop were in fact made before the Year 4 budget was finalized.

The latest buyin from the Dominican Republic mission was received in August of Year 4. As of September 30, 1987, OSU had delivered approximately \$22,000 worth of services for a microcomputer workshop and for expansion of the Domingo Accounting model.

Table 2
 OKLAHOMA STATE UNIVERSITY
 AGRICULTURAL POLICY ANALYSIS PROJECT
 DOMESTIC - INTERNATIONAL STAFFING (PERSON DAYS)*

Personnel	Year 1			Year 2			Year 3*			Year 4**		
	Domestic	Internat'l	Total	Domestic	Internat'l	Total	Domestic	Internat'l	Total	Domestic	Internat'l	Total
D.F. Schreiner	79.7	31.0	110.7	117.0	4.0	121.0	97.6	19.0	116.6	32.8	45.1	77.9
L.G. Tweeten	41.3	38.5	79.8	60.4	26.5	86.9	67.0	12.0	79.0	15.4	43.1	58.5
R.D. Norton	51.9	12.4	64.3	58.9	19.0	77.9	81.2		81.2	42.5	8.0	50.5
A.L. Stoecker										43.2	11.0	54.2
D.D. Badger			0.0	2.2		2.2			0.0			0.0
J.E. Osborn	8.8		8.8	22.0		22.0	2.2		2.2			0.0
D.E. Ray	8.8	2.2	11.0	22.5	2.8	25.3			0.0	2.2		2.2
F.M. Epplin	6.6		6.6	22.0		22.0			0.0	2.2		2.2
S. Henneberry	7.0		7.0	33.0		33.0	98.4		98.4	7.0		7.0
T.D. Kinzie	5.5		5.5	5.5		5.5			0.0			0.0
E.C. Li	110.0		110.0	165.0		165.0	98.4		98.4	50.5		50.5
J.M. Trapp	12.1	17.0	29.1	38.6	22.0	60.6	30.7		30.7	8.4	51.9	60.3
B.C. Wright			0.0	3.0		3.0			0.0			0.0
Consultants			0.0		24.0	24.0	4.0	44.0	48.0		151.0	151.0
Total	<u>331.7</u>	<u>101.1</u>	<u>432.8</u>	<u>550.1</u>	<u>98.3</u>	<u>648.4</u>	<u>479.5</u>	<u>75.0</u>	<u>554.5</u>	<u>204.2</u>	<u>310.1</u>	<u>514.3</u>

* Data for Year 3 is from October 1, 1985 - September 30, 1986.

** Data for Year 4 is from October 1, 1986 - September 30, 1987.

TABLE 3
 OKLAHOMA STATE UNIVERSITY
 AGRICULTURAL POLICY ANALYSIS PROJECT
 EXPENDITURES BY ACTIVITY (DOLLARS)
 PROJECT YEARS 3 AND 4

Activity	Year 3 10/85 - 9/86	Year 4 10/86 - 9/87
S & T FUNDED ACTIVITIES		
7 Workshops	24249	28455
8 Technical Assistance	3728	
70 Preparations	92624	52051
701 Liberia	1794	
702 Jamaica	1434	
703 Dominican Republic	30820	18083
704 Cameroon	479	
705 FAO/AID Africa	56772	75772
804 Liberia	762	
Subtotal	<u>212662</u>	<u>174361</u>
MISSION FUNDED ACTIVITIES		
711 Liberia (Mission)	828	
713 Dom. Rep. (Mission)	8620	26283
715 Dom. Rep. (Mission)		21863*
Subtotal	<u>9448</u>	<u>48146</u>
MANAGEMENT		
3 Oversight Committee	882	
TOTAL	<u>222992</u>	<u>222507</u>

* Estimated through 9/87

PROGRAM OF WORK: PROJECT YEAR FIVE

The major areas of work in Project year five include 1) the development of policy tool kits for microcomputers, 2) the completion of two books of readings related to agricultural policy analysis and 3) the presentation of workshops on the use of microcomputers in agricultural policy analysis, 4) consolidation and refinement of project materials for policy analysis and workshops, 5) continued support to the Dominican Mission UEA studies unit and 6) participation in a policy workshop in Jordan.

Development of Policy Tool-Kits for Microcomputers

Objectives

1. Develop a microcomputer model for policy analysis with a single commodity showing gains and losses to producers, consumers and the public sector resulting from market intervention.
2. Develop a generalized microcomputer multi-commodity supply and demand model which can be used to determine market clearing conditions under various policy scenarios.
3. Develop a multi-commodity microcomputer model for determining effects of variability in prices and production on imports, exports, consumption and exports.

Methods

The first objective will be accomplished through a generalization of the spreadsheet program developed for the Liberian workshop. Drs. Luther Tweeten and Elton Li will develop a generalized spreadsheet model which will

measure the gains and losses in consumer and producer surpluses which accrue to producers, consumers, and the public sector from policy interventions.

The second objective will be accomplished by the development of a microcomputer spreadsheet model which will enable to user to conduct sensitivity tests of alternative elasticities for supply and demand relationships through their effect on market prices and quantities. It is envisioned this program will be useful in situations where quick policy analysis is required but where there is little prior information. In a period of one to two weeks, the analyst working closely with a knowledgeable person should be able to derive elasticities of supply and demand which are accurate enough for use in policy analysis. Dr. Jim Trapp and Dr. Elton Li will be responsible for this program. The third objective will involve the development of a spreadsheet program by Dr. Jim Trapp and Dr. Elton Li which will enable policy researchers to determine the likely effects of yield and price variability on key economic variables including consumption, domestic prices, imports, and exports. This analysis will be useful with respect to food security issues in a multi-commodity setting.

Development of Readings and Case Studies for Policy Analysis

Objectives

1. Complete the book *Policy Analysis Tools for Economic Development*, edited by Luther Tweeten.
2. Complete the book *Agricultural Policy Analysis, Methods and Case Studies*, by Roger Norton.

Methods

The first objective involves the completion of a book of readings on illustrated methods and techniques for policy analysis with examples in developing countries. The book is edited by Dr. Luther Tweeten.

The second objective involves the completion of a book of case studies in agricultural policy analysis which is being developed by Dr. Roger Norton.

Microcomputer Workshops on Methods for Policy Analysis

Two short courses dealing with microcomputer applications have been developed and presented at Oklahoma State University under previous funding from the APAP project. The older of the two courses (Microcomputer Applications in Agricultural Development) is now funded through USDA/OICD. The newer course (Mathematical Programming for Economic Analysis in Agriculture) is still offered under the APAP project.

Mathematical Programming for Economic Analysis in Agriculture

Objectives

- a. Provide training in the techniques of constructing, solving, and interpreting the results of mathematical programming models at the farm or sector level.
- b. Provide hands on experience with the use of microcomputers in the construction, maintenance and solution of mathematical programming models.

Methods

A three week short course will be held at Oklahoma State University during May-June of 1988. The instructors of the course will be Drs. Roger Norton, Peter Hazell, Elton Li and Art Stoecker. The major reference book is *Mathematical Programming for Economic Analysis in Agriculture* by Peter Hazell and Roger Norton. Microcomputer exercises are developed to illustrate the concepts developed during the lectures.

Microcomputer Applications in Agricultural Development

Objectives

- a. To familiarize participants in the use of microcomputers.
- b. To provide experience in using the microcomputer for the quantitative problems involving supply and demand, enterprise budgets, simulation, regression, linear programming, and development of data bases.

Methods

A six week short course will be offered during June - August 1988 under the USDA/OICD sponsorship. The course format will include lectures in which the relevant theoretical concepts will be presented or reviewed. The lectures will be followed by hands-on laboratory exercises which use the concepts covered in the lecture. Drs. Art Stoecker and Elton Li will be the primary instructors and are responsible for the laboratory sessions. Subject matter areas will also be presented by Drs. Luther

Tweeten, Daryll Ray, Jim Trapp, Darrel Kletke, and Dean Schriener. Policy applications developed as part of the APAP project are used as examples in the course.

Participants are also provided with copies of the book of Agricultural Policy Methods which is being developed under the APAP project.

Consolidation and Refinement of Materials For Policy Analysis and Workshops

Preparation of project materials for policy analysis has been a significant project activity in previous years. While much of this activity in the Year 5 work plan is accounted for under the areas I-III above, it is anticipated that additional needs will arise for further refinement and synthesis of project materials developed under the above areas and/or in previous years.

Continued Support for the Dominican Republic Mission and the UEA Studies Unit

The activities which remain to be completed under the current buy-in include the following:

1. Complete model validations and selected policy simulations using DOMINGO. This activity will occur in phases. The first phase of the validation and preparation for policy analysis will be done by Roger Norton during October. A policy workshop in which the results of the analysis conducted with the DOMINGO model would be presented is planned during January 1988.

2. **Data Base Creation.** This activity will be carried out by Dr. Elton Li during November. The objective is to create a computerized user friendly data base that can be used to reduce data collection time in doing policy research. The data base would contain the relevant agricultural and macroeconomic variables used in policy analysis. Types of data would include time series information on area, production and prices of major crops, livestock numbers, production and prices, trade flow by commodity and trade partner. Production data would be collected at both the regional and national level. Some data have been collected. The need is for consultation on the design of the data base and related software.
3. **Policy Workshop with the DOMINGO Agricultural Accounting model.** This workshop will involve instruction in methods of conducting policy analysis with programming models and the interpretation of results.

Participation in Policy Workshop in Jordan

It is planned that Dr. Luther Tweeten will work with Abt Associates in a Price and Incentive Study and a workshop on Agricultural Policy in Jordan. It is planned that Dr. Luther Tweeten go to Jordan for the Price and Incentive Study during November, 1987. A second trip is planned for January 1988 during which the results of the price and incentive study and other issues related to pricing policy in agricultural markets would be discussed.

Annex II

**Oklahoma State University
Agricultural Policy Analysis Project
Contract No. Dan-4084-C-00-3087-00**

Listing of Reports and Documents

Administrative Reports

- A-1. Schreiner, Dean F. "1984 Annual Activity Work Plan," December 5, 1983.
- A-2. Schreiner, Dean F. "Dominican Republic: Effects of Section 213 of the Caribbean Basin Economic Recovery Act," Activity Report, December 12, 1983.
- A-3. Twæeten, Luther G. and Dean F. Schreiner. "Increasing Capacity for Agricultural Policy Analysis in Liberia," Activity Report, February 22, 1984.
- A-4. Riordan, James and Dean F. Schreiner. "A Strategy for Strengthening CORECA Country Policies in Priority Areas of Agricultural Development," Activity Report, April 16, 1984.
- A-5. Norton, Roger D. "Análisis de la Política Agraria Dentro del Contexto de Objetivos Nacionales y Sectoriales: El Caso del GAPA en Perú," Activity Report, May 22, 1984.
- A-6. Tweeten, Luther G. and James N. Trapp. "Liberia Trip Report," Activity Report, June 25, 1984.
- A-7. Tweeten, Luther G. "Peru Trip Report," Activity Report, July, 1984.
- A-8. Schreiner, Dean F. "Evaluation of the Latin American and Caribbean Agricultural Planning and Policy Analysis Project (LACPLAN/PROPLAN)," Activity Report, January 30, 1985.
- A-9. Schreiner, Dean F. "1985 Annual Report and Activity Work Plan," Revised, September 14, 1985.
- A-10. Tweeten, Luther G. and James N. Trapp. "Liberia, Ivory Coast and Cameroon Trip Report," Activity Report, January 30, 1985.

- A-11. Norton, Roger D. "Dominican Republic Trip Report," Activity Report, February 6, 1985.
- A-12. Tweeten, Luther G. and James N. Trapp. "Activity Report on Liberia Workshop, March 26-29, 1985," April 8, 1985.
- A-13. Li, Elton C. "Tutorial Introduction to MUSAH86: A Microcomputer Program for LP," Mimeo, Department of Agricultural Economics, Oklahoma State University, Stillwater, n.d.
- A-14. Schreiner, Dean F., Luther G. Tweeten and Daryll E. Ray. "Workshop Proposal for Purposes of Increasing the Capacity for Agricultural Policy Analysis in Jamaica," May 31, 1985.
- A-15. Norton, Roger D. "Dominican Republic Workshop, April 1-3, 1985," Activity Report, July 11, 1985.
- A-16. Norton, Roger D. "Proceedings, Dominican Republic Workshop, April 1-3, 1985," July 17, 1985.
- A-17. Norton, Roger D. "Proceedings, Dominican Republic Workshop, Program of Policy Analysis, August 10-16, 1985," September 9, 1985.
- A-18. Schreiner, Dean F. "1986 Annual Report and Activity Work Plan," September 20, 1985.
- A-19. Schreiner, Dean F. and Roger D. Norton. "Proposal: Advisory Support for the Economics Study Unit, National Agricultural Council, The Dominican Republic." October 10, 1985.
- A-20. Norton, Roger D. "Policy Workshop Proposal on Methods of Mathematical Programming with Applications to Agricultural Policy Analysis". January 24, 1986.
- A-21. Li, Elton C., James N. Trapp and Daryll E. Ray. "A Workshop on Microcomputer Applications to Agricultural Policy Analysis in Developing Countries." January 24, 1986.
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