



PURDUE UNIVERSITY PROJECT AID NE-C-1701

Quarterly Report - December 1982

John H. Sanders - UE - Évora - Portugal

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A. Training Periods for U.E. Professors in the States.

1. With the departure of E. Figueira for two years to Wisconsin to study extension there have now been 13 trainees sent to the States (Table 1).
2. Table 2 indicates the next 13 trainees presently in English training and planning to go to the States. Most of these are tentatively planned to leave in the fall of 1983. In several Departments there will still need to be adjustments hence some of these professors will be leaving in January 1984.
3. With the thirteen trainees sent there were 69.3 man-months utilized or in process with people presently in the States. The next thirteen to be sent out will utilize another 72 man-months for a project total of 141.3 man-months compared with the 170 man-months anticipated in the revised program of November 1981 (Table 5).
4. Problem Area. It is critical that intensive English training continue for these trainees through June 30. We have found another English teacher for March through June 30 since Sandi Medeiros finishes in March and wants to devote more time to her Ph. D. thesis.

B. Short Term Consultants

1. Rhykerd's and Heady's final reports were received and distributed.
2. Three Purdue consultants were here in the fall in forage agronomy, sheep production and beef cattle genetics respectively (see Table 3).
3. The tentative plans for short term consultants in 1983 and 1984 are presented in Table 4.
4. At the end of 1982 UE had utilized 10.6 man-months of short term consultants. Programmed advisers for 1983 and 1984 would utilize 11.8 man months. Combining the total gives 22.4 man-months of the total of 33 man-months available (Table 5). Further internal review within the Departments at UE will be necessary to expand the number of short term consultants to utilize the available time. It is very difficult to get

or to utilize short term consultants for more than a month at a time, hence we are utilizing them at a slower rate than originally programmed. AID has been trying to help on this by coordinating the utilization of these consultants between programs, i.e. with IUTAD and PROCALFER.

5. Problem Area. Hopefully, in 1984 the Soils Lab. will be functioning and more emphasis can be put on this activity with the short term consultants.

C. ~~Activities of Long Term Adviser~~

1. Covered in monthly reports.
2. UE Staff Economic Research:
 - a. First EIPO paper on sheep stocking rates in publication process by Pasture-Forage Association of Portugal.
 - b. LP analysis of labor absorption in the lower Alentejo being published in Portuguese Economists Proceedings edition presently.
 - c. Second EIPO paper was presented at two conferences and is being revised accordingly to the suggestions received for the next Pasture-Forage Association meeting.
3. Intermediate stage:
 - a. Paper on wheat supply response by Salgueiro.
 - b. Research Priorities for the Alentejo with A. Pinheiro.
4. My contract began on March 10. With the six extra days of vacation, which I need to make up here, I will then be leaving on March 19. A transition process has begun showing several of the young professors here the busy work involved in being a tour director.
5. Dr. Herbert Albrecht of the GTZ (German Foreign Aid) will provide professional continuity to this project. He is an agricultural economist with experience in Pakistan and Bolivia. He works with five different institutions but is located at Évora. One problem will be to convince the central administration to decentralize power sufficiently to encourage and stimulate the initiative of the younger staff members to do applied research. This probably implies giving them some control over financial resources. Also staff members will need to work together between disciplines and there is no tradition of this type of collaboration.

D. Relations between PROCALFER and the University of Évora.

1. Had a meeting with Eng^o Manuel Rente and Dr. António Pinheiro, and then attended the all day session of Eng^o Almeida Alves and his people in which they explained PROCALFER to the Regional Direcção here.
2. Eng^o Rente appears very interested in more collaborative work with UE on the PROCALFER project. He expressed substantial interest in:
 - (a) Soil Lab;
 - (b) Animal Nutrition Lab;
 - (c) Farm Accounts - RICA - Farm Management
3. Once some UE program involvement with the Direcção Regional were established, Eng^o Rente would probably be receptive to requests for "bolsas" in priority areas for PROCALFER such as:
 - (a) Extension;
 - (b) Forage Agronomy;
 - (c) Animal Nutrition;
 - (d) Soil Chemistry;
 - (e) Farm Management.

TABLE 1

University of Evora Professors: Participants in U.S.

Training Programs under AID-Purdue Program

In First Two and One-half Years (August 1980 - December 1982)

<u>NAME</u>	<u>PERIOD OF TRAINING</u>	<u>AREA</u>	<u>ING</u>	<u>INSTITUTION(S)</u>
1. Maria José C.V.V. BARRISCO	09/01/81 - 09/03/81 two months	Equine Reproduction		Texas Stock Breeders; Purdue.
2. Maria das Mercês C.M. COVAS	15/06/81 - 28/08/81 two and 1/3 months	Home Economics		University of Georgia.
3. Victor M.C. DORDIO	30/05/81 - 01/09/81 three months	Farm Management and Finance		Iowa State; Purdue.
4. Artur A.M. MARINHO	31/08/81 - 04/12/81 three months	Micro-biology of Animal Nutrition.		Illinois.
5. M. Leonor M.V.S. CARVALHO	23/08/81 - 20/12/81 four months	Regional Implications of EEC Entrance		Purdue.
6. Ana Maria F.S.C.F.P. VASCONCELOS	02/01/82 - 31/03/82 three months	Wine Quality		Davis.
7. Maria Benedita E.G. CECILIO	27/12/82 - 16/06/82 ^a five and 1/2 months	Economics of Ag. Technology		Minnesota
8. Ricardo P. SERRALHEIRO	31/07/82 - 30/10/82 three months	Irrigation		Utah; Phoenix; Colorado State.
9. Manuel O.C. ABREU	13/08/82 - 20/12/82 four and 1/4 months	Animal Nutrition		Texas A & M.
10. M. Emelinda T.L. PINHEIRO	16/08/82 - 16/05/83 nine months	Forage Production		Iowa State.
11. Francisco M. RAMOS	03/09/82 - 19/12/82 three and 3/4 months	Extension Methods		Wisconsin.
12. M. Manuela M. BATISTA	18/09/82 - 05/12/82 two and 1/2 months	Soil Chemistry		North Carolina; Arizona; Riverside.
13. Eduardo A.C. FIGUEIRA	05/01/83 - 05/01/85 two years	Extension Methods		Wisconsin.

^a Stayed at Minnesota on an assistantship and is presently getting a Master's Degree in Agricultural Economics.

IN ENGLISH TRAINING TO GO TO STATES

(1) PROFESSORS TENTATIVELY SCHEDULED TO GO TO STATES IN NEXT TWO YEARS OF PROGRAM

INPUTS	SEPT. 1982 - AUG. 1983	SEPT. 1983 - AUG. 1984
Training a. Farm Management (One short term and one long term) b. Farm Accounts (One short term) c. Resource Economics (One short term) d. Forage Production (One short term) e. Livestock Production (One short term) f. Livestock Nutrition (One short term) g. Livestock Management (One short term - sheep) (One short term - beef) h. Soil Fertility (Two short term) i. Irrigation and Drainage (One short term) j. Agricultural Mechanization (One short term)		C. Marques. 5 months. Leaving Aug.'83. A. Sarrão. One Year. Leaving Aug.'83. J. Ribeiro. 5 months. Leaving Aug.' 83. A. Salgueiro. 5 months. Leaving Aug.' 83. P. Silveira. 4 months. Leaving June 1983. J. L. T. Nunes. 6 months. Leaving July 1983. Ofélia Bento. 2 months. Leaving May 1983. J. Avó. 6 months. Leaving July 1983. C. Roquete. 6 months. Leaving July 1983. G. Ferreira. 6 months. Leaving July 1983. F. Garcia. 6 months. Leaving July 1983. J. Lino Lúcio. 4 months. Leaving Aug.'8 C. Silva Carvalho. 5 months. Leaving July 88

TABLE 3UNIVERSITY OF EVORA SHORT TERM ADVISERS IN FIRST TWO AND ONE-HALF YEARS OF PROGRAMAugust 1980 December 1982

<u>NAME</u>	<u>DATES</u>	<u>AREA</u>	<u>INSTITUTION</u>	<u>COMPLETED FINAL REPORT</u>
1. Amanda BROWN	20/09/80 - 15/11/80 one 5/6 months	Home Economics	Georgia	Yes
2. Robert THOMPSON	18/04/81 - 11/05/81 3/4 month	Regional Economic Impact of EEC Entry	Purdue	Yes
3. Charles RHYKERD	04/07/81 - 19/07/81 1/2 month	Forages and Animal Nutrition - Agronomic	Purdue	Yes
4. Jules KONICK	12/09/81 - 12/10/81 one month	Horticulture	Purdue	Yes
5. Dennis JOHNSON	02/01/82 - 03/03/82 two months	Ag. Planning and Zoning	Houston	Yes
6. Edward CARTER	09/05/82 - 04/06/82 5/6 month	Forage and Animal Nutrition - Agronomic	Waite Institute Australia	In preparation
7. Earl O. HEADY	13/06/82 - 27/06/82 05/07/82 - 22/07/82 1 month	Farm Management	Iowa State	Yes
8. Charles RHYKERD	04/10/82 - 07/12/82 2 months	Forage Agronomy	Purdue	In preparation
9. James OUTHOUSE	28/11/82 - 07/12/82 10 days	Sheep Production	Purdue	Yes
10. Truman MARTIN	30/11/82 - 08/12/82 one week	Beef Cattle-Reproduction	Purdue	In preparation

TABLE 4

PERITOS A CURTO PRAZO QUE ESTÃO PREVISTOS
NA UNIVERSIDADE DE ÉVORA PARA 1983 e 1984

1983:

1. Metodos de Ensino - Aprendizagem

Dr. James Ahlrichs. Uma semana nos meados de Janeiro.

Coordenado pelo Dr. M. F. Patrício.

Dara seminários.

2. Agronomo Especializado em Forragens

Dr. Edward Carter. Waite Agricultural Institute in Adelaide, Australia.

Abril

Um mês durante a época da produção de feno.

Trabalhar com docentes da UE, dar seminarios e colaborar com outras instituições com quem a Universidade tem trabalhado.

Será a sua segunda visita. Ainda nao mandou relatorio da primeira visita.

Será outro australiano se nao for recebido o seu relatorio.

3. Horticultura

Dr. Jules Janick. Purdue. Maio

Trabalhará um mês com o grupo de Horticultura da UE. Irá colaborar com outros investigadores do Departamento de Fitotecnia.

Será a sua segunda visita.

4. Contabilidade Agrícola - Extensao

Dr. George Patrick. Purdue. Um mês - Maio, Junho.

Fala portugues e irá trabalhar com os docentes do Departamento de Gestão de Empresas para melhorar as fontes de dados que ves das três herdades da UE e para colaborar com o programa de RICA.

5. Agronomia - Raizes

Dr. Howard Taylor. Texas A. & M. Um mes e meio. Maio - Junho.

Para trabalhar com o Prof. Carlos Portas, Eng.^o Maria do Rosário G. Oliveira e Eng.^o Tec. Agr. A. Calado.

6. Regadio e Drenagem:

Dr. Glen Schwab. Ohio State University

Um mês. Junho - Julho.

Consultor para o desenvolvimentos dos projectos de investigação em drenagem e regadio, em curso.

7. Agronomia - Forragens e Pastagens

Dr. Charles Rhykerd. Purdue

2 meses. De 15 de Outubro a 15 de Dezembro.

Para trabalhar com vários docentes na sua área de investigação e ajudar a dar a disciplina de forragens e pastagens.

Fala português e já cá esteve duas vezes.

1984: PROGRAMA PROVISÓRIO

1. Fertilidade de Solos - Prados

Dr. Milton B. Jones. University of California, Davis.

Um mês. Junho - Julho.

Para trabalhar com os Engenheiros Gonçalves Ferreira e Francisco Garcia na orientação de experiências com macro e micro nutrientes em prado espontâneo e prado melhorado em diversos sítios. Também irá trabalhar com docentes no laboratório de solos.

2. Fertilidade de Solos - Geral

Dr. Mehehich. North Carolina State.

Um mês. Este tempo será dividido pela PROCALFER, IUTAD e UE.

Ajudará os docentes a trabalhar no laboratório de solos e apresentará seminários sobre as prioridades de investigação.

3. Produção Ovina

Dr. James Outhouse. Purdue.

Um mês. Este tempo será dividido pelo IUTAD e UE em Maio - Junho. (caso o Engº Avô já tenha regressado dos Estados Unidos).

Visitará herdades, apresentará seminários e ajudará na investigação sobre ovelhas.

4. Produção de Gado Bovino

Um mês. Altura do ano a ser especificada.

Dar seminários, visitar herdades e ajudar os docentes na investigação.

TABLE 5

REVISED SUMMARY OF PROJECT INPUTS TO UE

(Nov. 1981)

Technical Assistance and Training by Areas of Activity (TA in Portugal; TR in United States)	Person Months by Project Year				
	1	2	3	4	Total
A. GENERAL PROGRAM DEVELOPMENT					
1. Long-term Adviser					
a. Resource planning and economics - Dr. John Sanders	5*	12*	7*	-	24
2. Short-term advisers					
a. Extension - Business Management	-	2	2	-	4
3. Training					
a. Extension planning & methodology	-	-	12*	12	24
(one long-term and one short term)	-	-	3*	-	3
b. Organization of agricultural research	-	5*	3	-	8
B. SOCIAL SCIENCE					
1. Long-term Adviser (General)					
a. Assistance in agricultural economics from J. Sanders - See A above					
2. Short-term Adviser					
a. Regional implications of common market accession	1*	-	-	1	2
b. Farm management research and extension	-	2*	2	2	6
c. Family resource management	2*	-	-	-	2
3. Training					
a. Farm Management - Two short-term one long-term	-	3	3	-	6
	-	-	12	12	24
b. Family resource management	3*	-	-	-	3
c. Financial management of cooperatives and agribusiness	3*	-	-	-	3
d. Marketing agricultural products	-	-	4	-	4
e. Cost accounting	-	-	3	-	3
f. Agricultural finance and credit	-	-	3	-	3
g. Regional implications of common market accession	-	3*	3	-	6
h. Resource economics	-	-	4	-	4

* Indicates that this has already been done or is in process.

REVISED SUMMARY OF PROJECT INPUTS TO UE (Cont.)

Technical Assistance and Training by Areas of Activity (TA in Portugal; TR in United States)	Person Months by Project Year				
	1	2	3	4	Total
C. AGRICULTURAL PRODUCTION					
1. Short term Advisers					
a. Pastures and forage production	0,5 ^a	1,5 ^a	2	2	6
b. Crop production	-	2	2	2	6
c. Horticultural production systems	-	1 ^a	1	1	3
d. Livestock management & reproduction	-	-	2	-	2
e. Soil fertility	-	(1) ^a	2	-	2
f. Irrigation and drainage	-	-	-	1	1
2. Training					
a. Pasture and Forage management systems					
One short term	-	4	-	-	4
One long term	-	-	12 ^a	12	24
b. Plant breeding					
c. Crop production	-	4	4	-	8
d. Livestock reproduction	3	-	4	-	7
e. Livestock nutrition	-	3 ^a	4	3	10
f. Soil fertility and soil chemistry	-	3 ^a	4	-	7
g. Irrigation and drainage	-	3 ^a	3	2	8
h. Animal health	-	-	4	-	4
i. Agricultural Mechanization	-	-	3	-	3
TOTAL:					
1. Long term Advisers (1 adviser)	5	12	7	-	24
2. Short term Advisers (15 advisers) ^{b)}	3,5	7,5	13	9	33
TOTAL (16 advisers)	8,5	19,5	20	9	57
3. Training					
a. Long term (3 trainees)	-	-	36	36	72
b. Short term (29 trainees)	9	28	52	9	98
TOTAL (32 trainees)	9	28	88	45	170

a) Use of Dr. James Ahlrichs of Vila Real.

b) Several of the advisers programmed will be utilized more than once. This estimate includes Dr. Ahlrichs but his time is not budgeted due to the much lower costs when international transportation is not included. This estimate of number of advisers is subject to change depending upon program evolution and availability of advisers.

• Indicates that has been completed or is in progress.