

FORESTRY PLANNING & DEVELOPMENT PROJECT
GOVERNMENT OF PAKISTAN - USAID

CONTRACT NO. 391-0481-00-C-5021-00

QUARTERLY PROGRESS REPORT

1 October - 31 December, 1993

with

Life of Project Summaries

ISLAMABAD, PAKISTAN
January 31, 1994



FORESTRY PLANNING & DEVELOPMENT PROJECT

Government of Pakistan-USAID

3 February 1994

TO: Kh. Hameedullah
Project Officer

FROM: Charles R. Hatch
Chief of Party

SUB: Quarterly Report for Period 1 October - 31 December, 1993

Attached is the Quarterly Report for the second quarter of Pakistan FY 93/94 covering the period 1 October - 31 December, 1993. Graphs and tables in this report summarize life of project achievements.

Distribution:

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Technical Assistance Team

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The following tables give a tabular summary of project activities for the 2nd quarter, cumulative for Pakistan fiscal year 1993-1994, and cumulative for life of project. Included in the tabular summary is:

Table 1. Second quarter's accomplishments by geographic location.

Table 2. The 1993/94 fiscal year project targets and accomplishments by geographic location.

Table 3. The 1993/94 fiscal year project targets and accomplishments by quarter.

Table 4. The life of project targets and accomplishments by fiscal year.

Table 5. Punjab life of project accomplishments by fiscal year.

Table 6. Sindh life of project accomplishments by fiscal year.

Table 7. NWFP life of project accomplishments by fiscal year.

Table 8. Balochistan life of project accomplishments by fiscal year.

Table 9. PFI/Federal/Other life of project accomplishment by fiscal year.

Table 10. No. of NGO grants by type and province.

Attachment A gives the cumulative life of project Technical Assistance Team expenditures by line item. Attachment B gives the cumulative life of project USAID and GOP expenditures. Attachment C lists the publications and reports produced by the project during the 2nd quarter of fiscal year 1993/94. Attachment D lists NGO grants awarded and completed during the 2nd quarter of fiscal year 1993/1994.

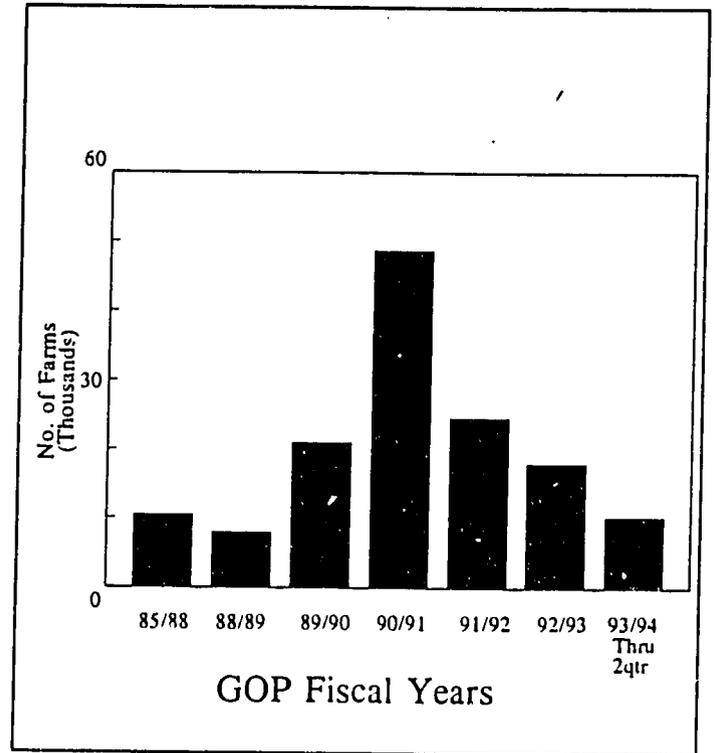
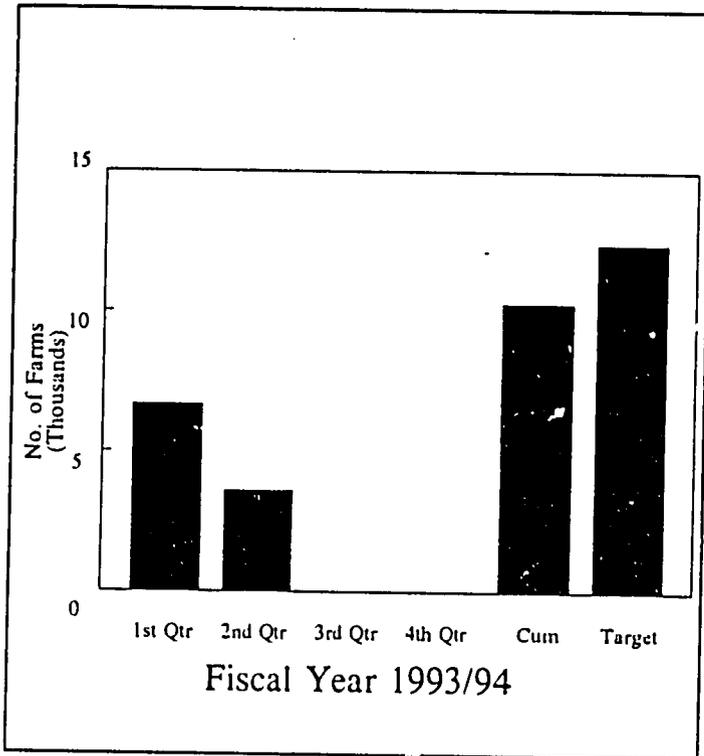


Figure 1. No. of Farm Households Participating in Farm Forestry

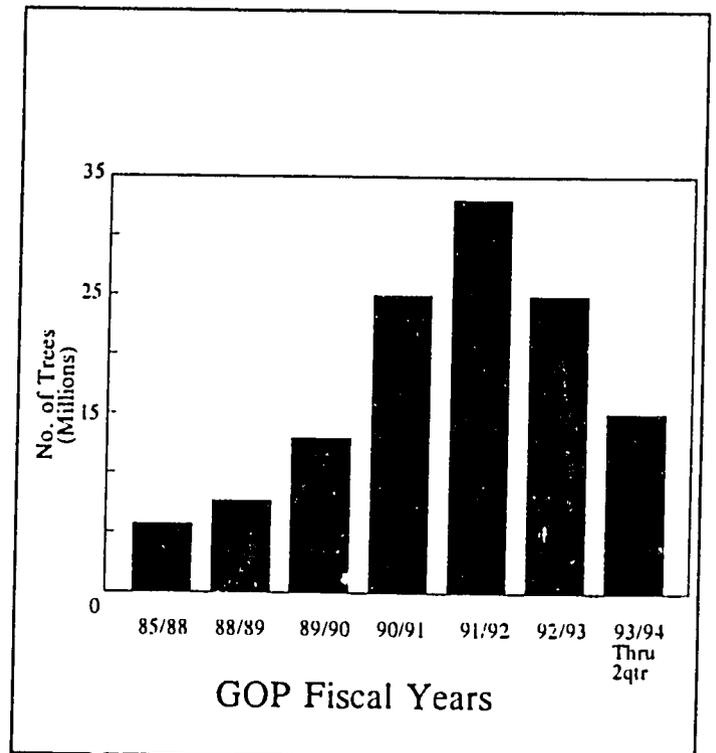
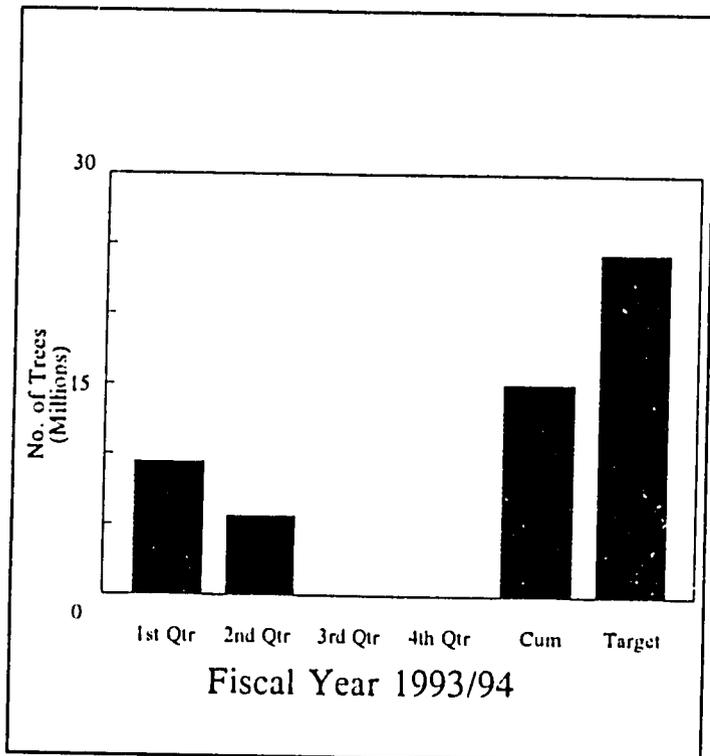


Figure 2. No. of Trees Planted on Farms - All Provinces

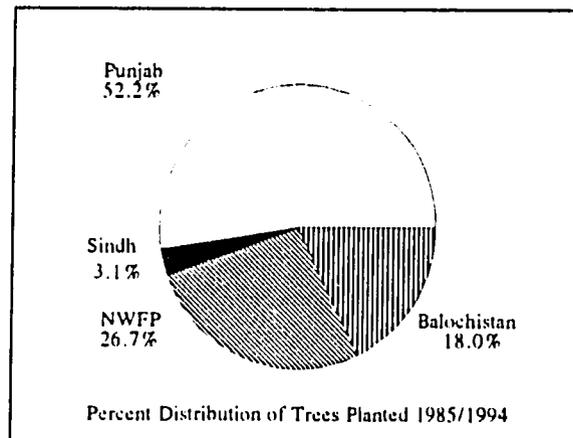
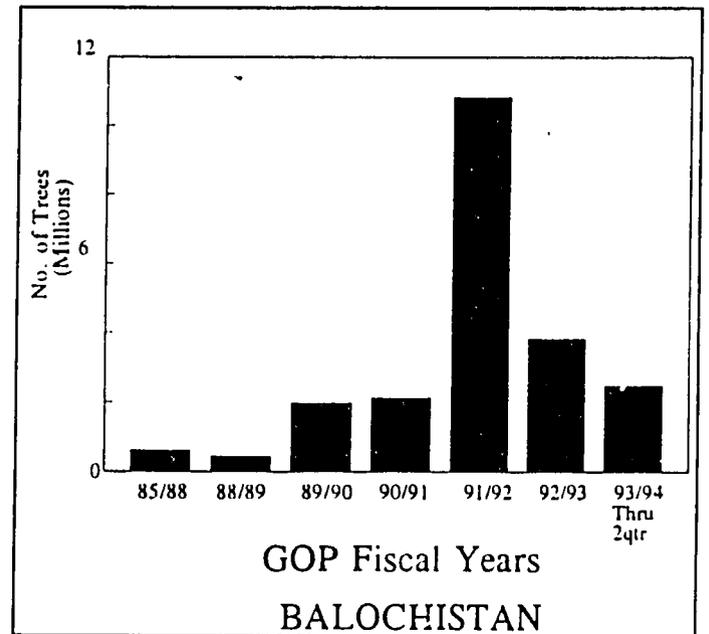
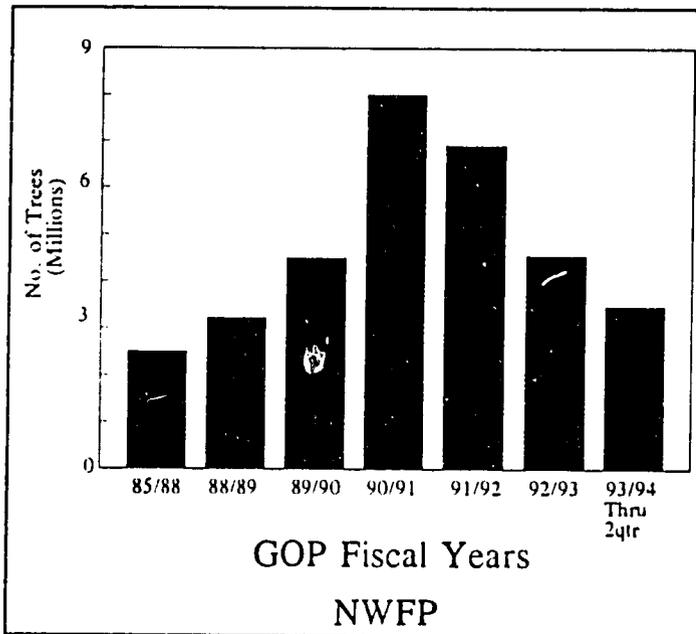
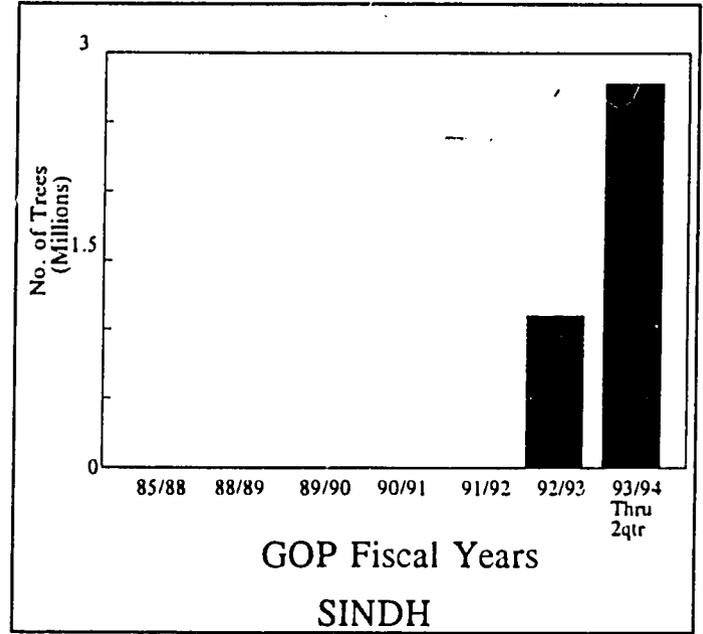
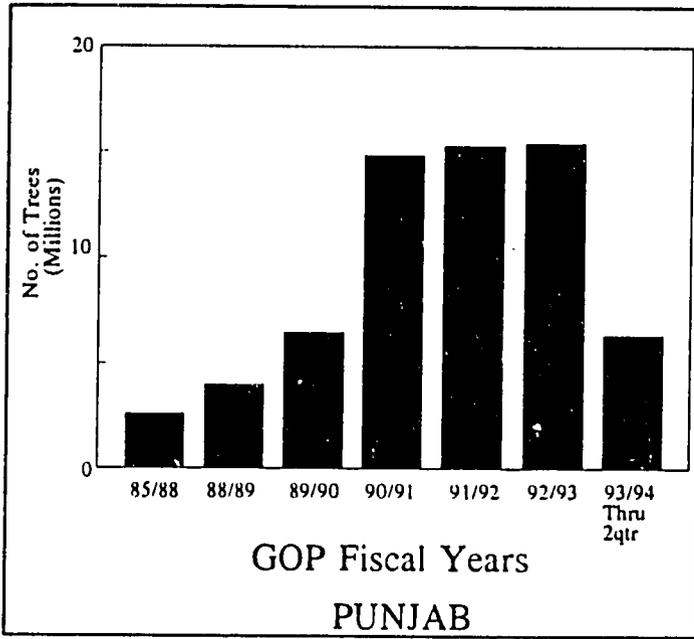


Figure 3. No. of Trees Planted on Farms by Province

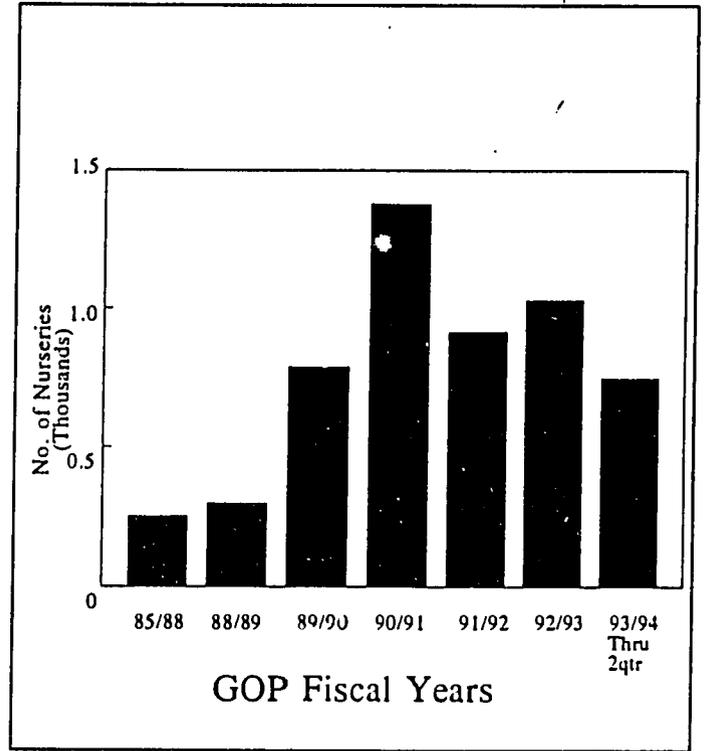
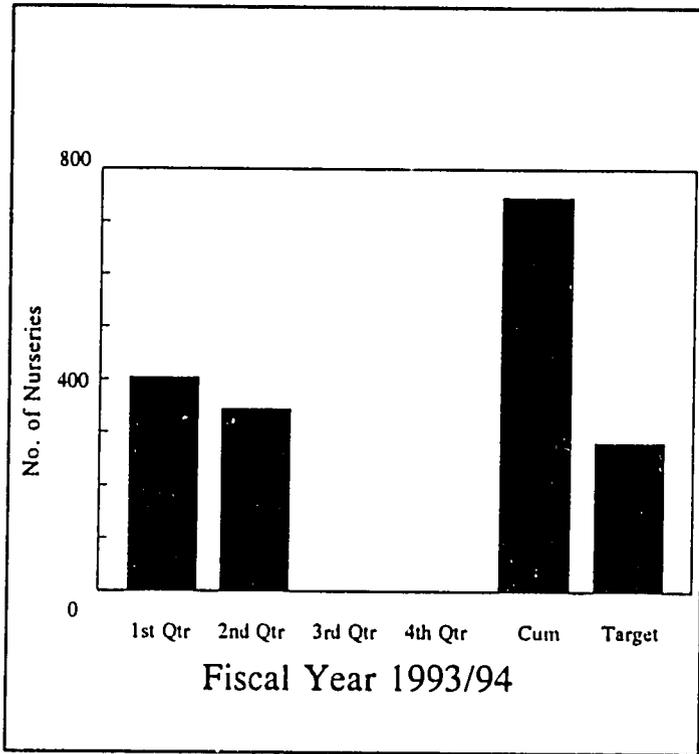


Figure 4. No. of Private Farm Nurseries

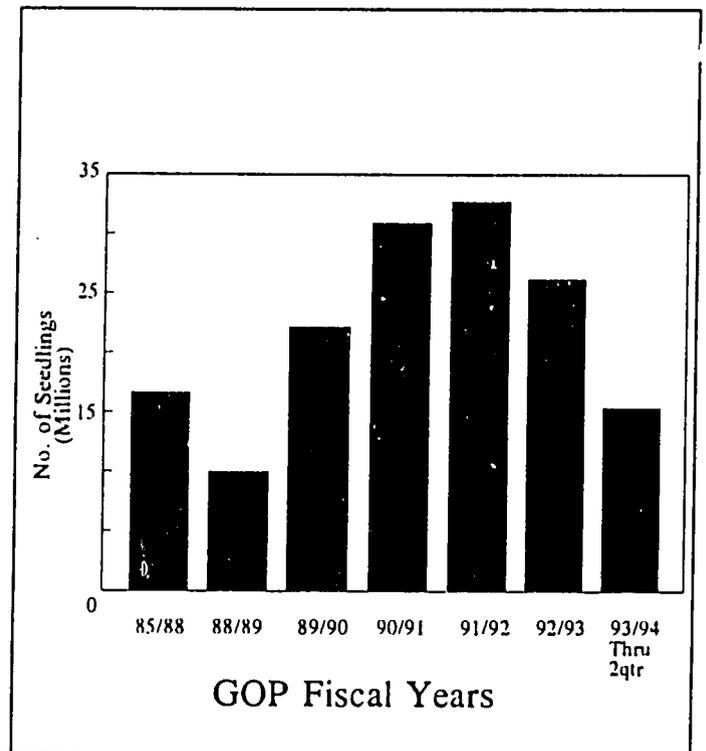
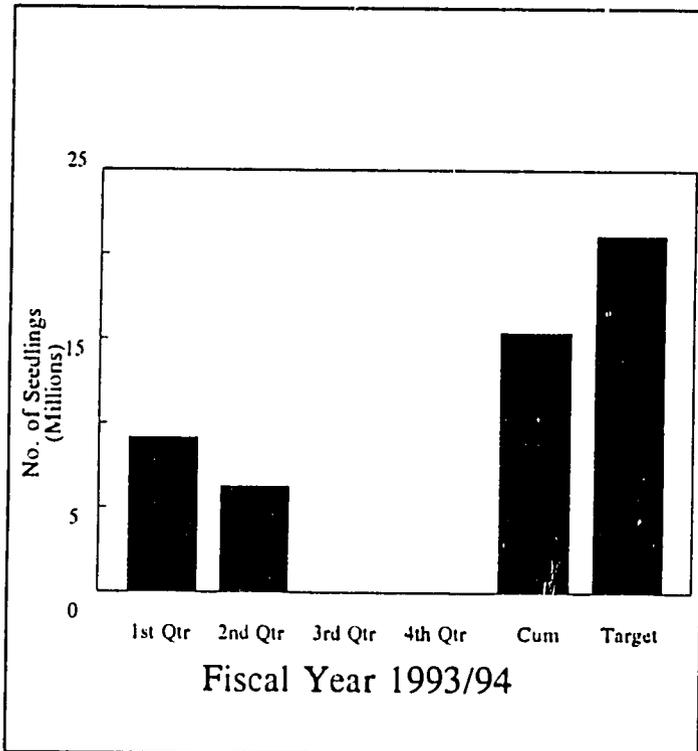


Figure 5. No. of Seedlings Raised in Farm Nurseries

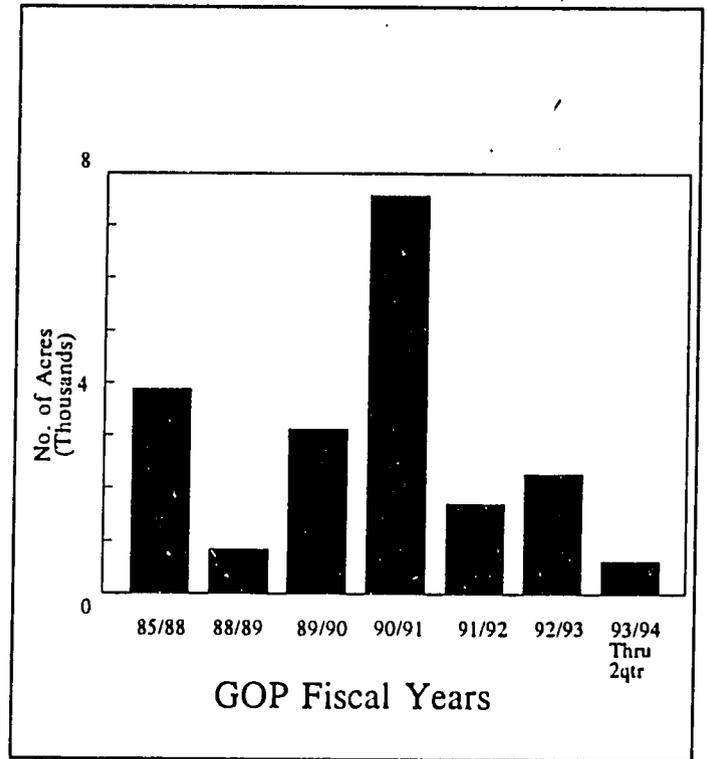
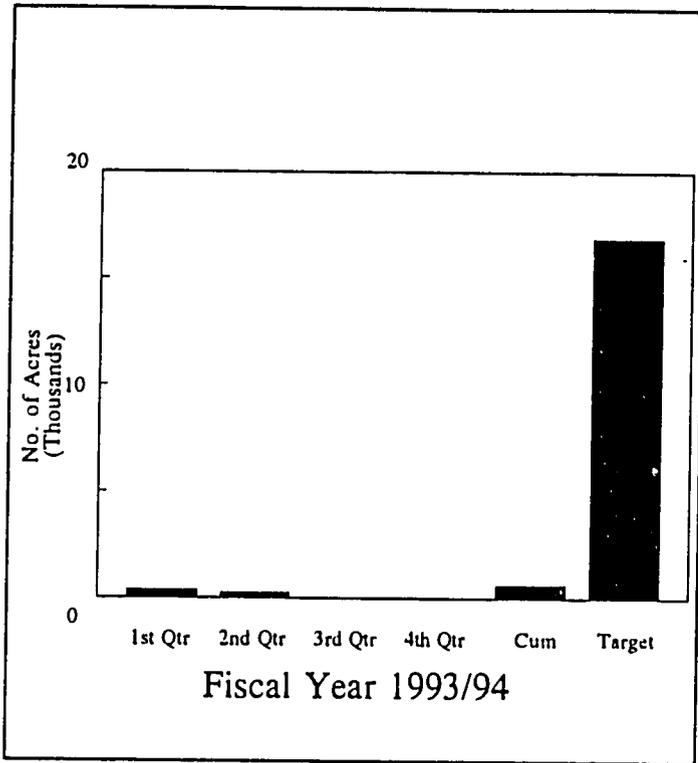


Figure 6. No. of Acres Treated under Soil Conservation and Land Development Activities

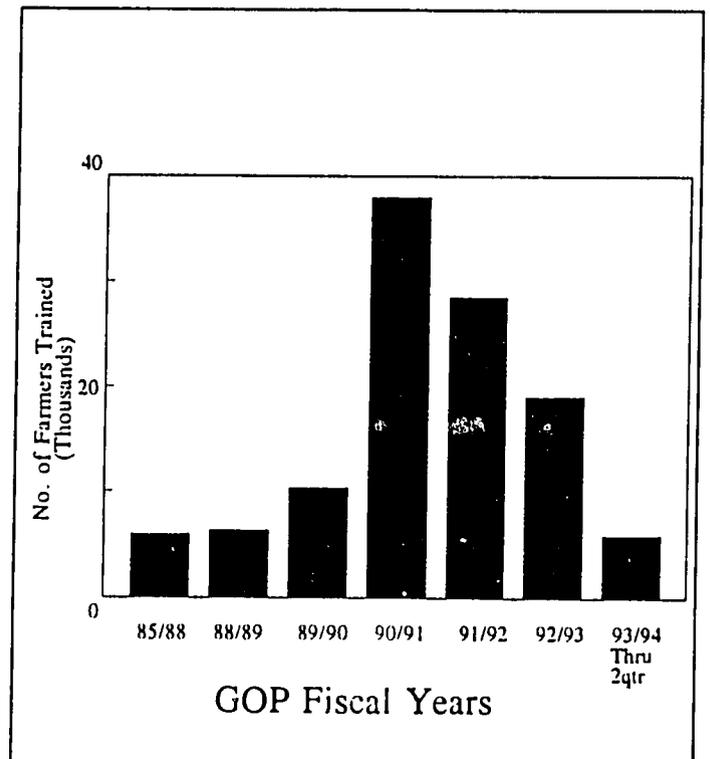
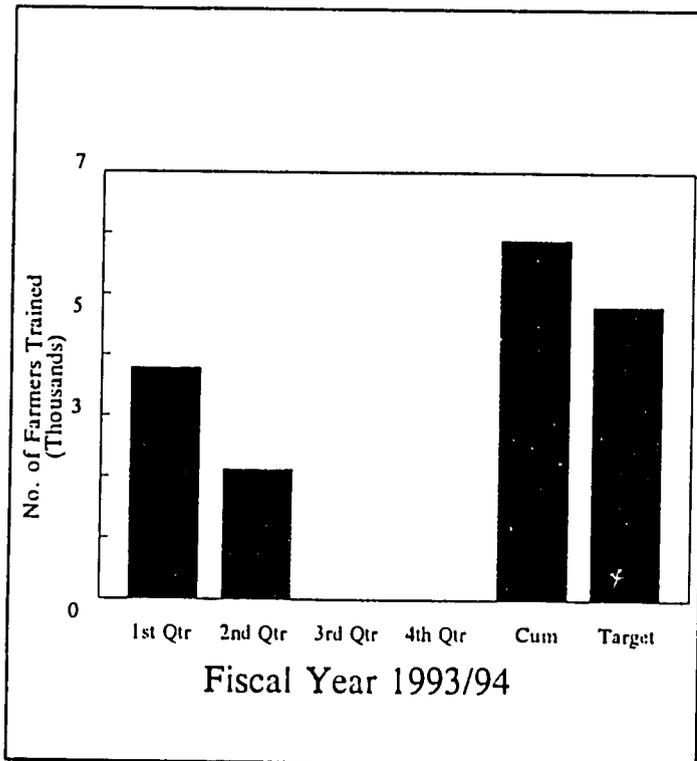


Figure 7. No. of Farmers Trained in Farm Forestry Activities

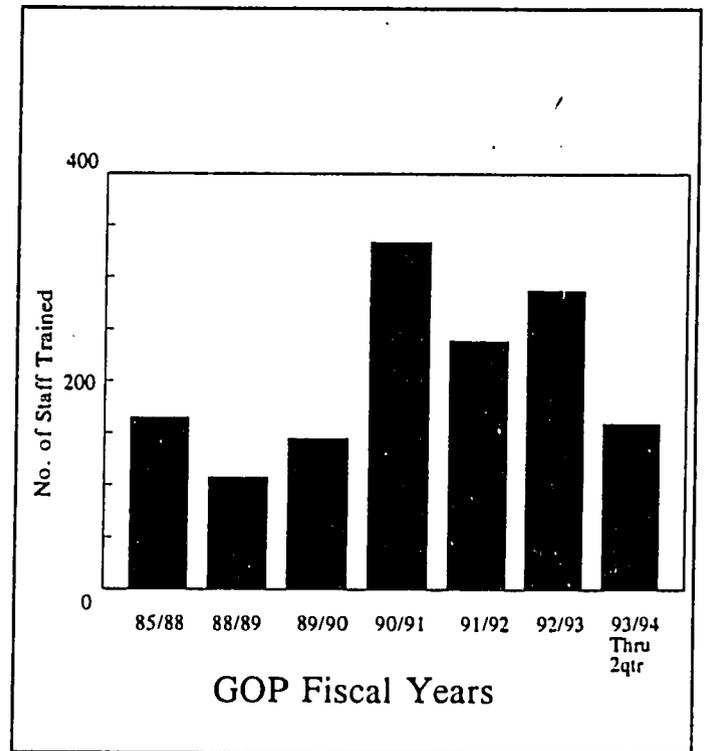
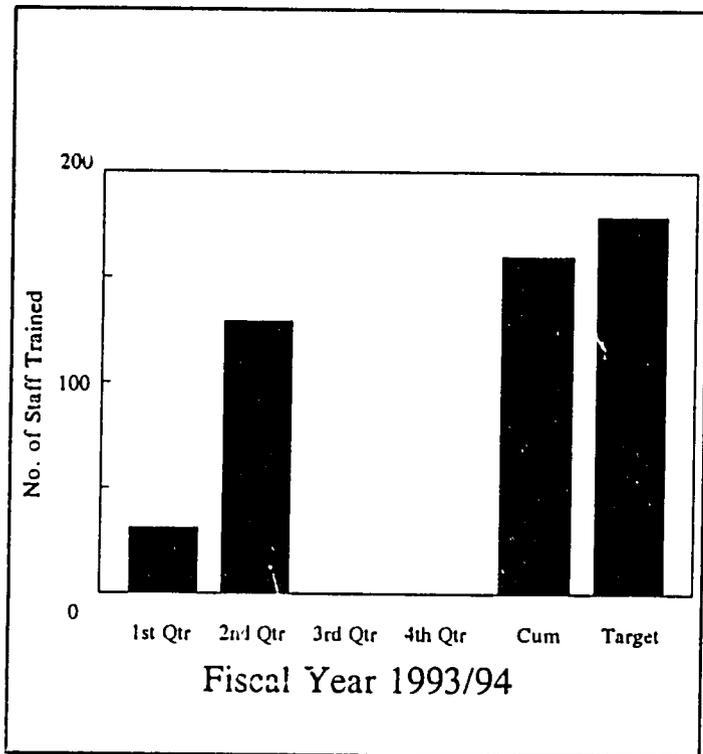
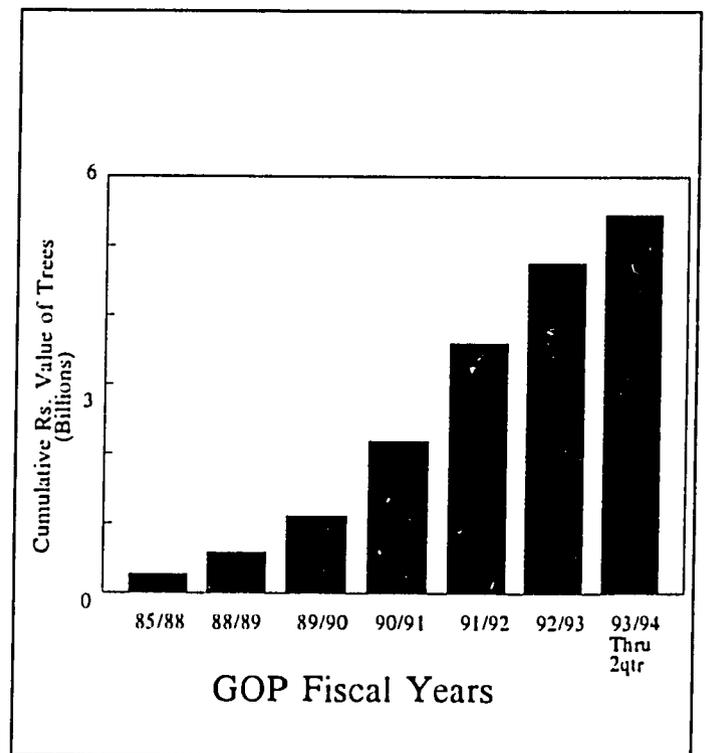
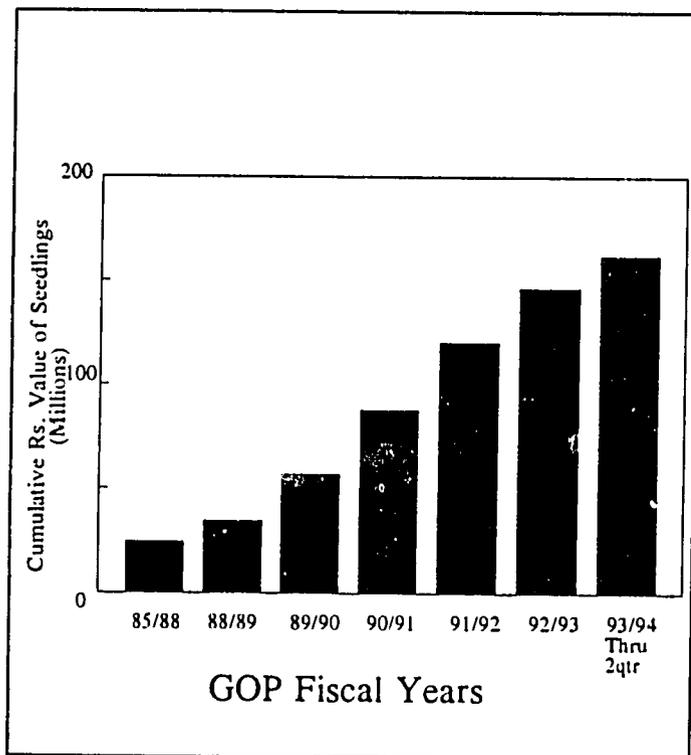


Figure 8. No. of Forest Department Staff Trained



(a) Cumulative Rs. Value of Farm Nursery Seedlings that have been Produced

(b) Cumulative Rs. Value of Trees at Time of Future Harvesting

Figure 9. Project Purpose Level Economic Indicators

Table 1. Second quarter's accomplishments by geographic location.

Name of Activity	2nd Qtr ACHIEVE 1993-94	PUNJAB	SINDH	NWFP	BALOCH	P.F.I./ Federal	Other
1. PLANTING							
No. Farms	3,599	593	380	2,491	135		
No. Plants	5,643,055	1,108,090	1,439,965	1,795,000	1,300,000		
2. NURSERY							
No. Units	344	163	45	100	36		
No. Plants	6,288,350	531,000	2,599,350	2,438,000	720,000		
3. LAND DEVELOPMENT							
No. Acres	250				250		
4. SOIL CONSERVATION							
No. Acres	0						
5. SINDH IRR. PLANTATION							
Ac. Afforested	0	NA		NA	NA	NA	NA
Ac. Rehabilitated	0	NA		NA	NA	NA	NA
6. RESEARCH							
No. New Projects	0		NA	NA	NA		NA
7. TRAINING							
A. No. of Staff							
Overseas							
Sh. Term	3					3	
Lg. Term	3	1	1			1	
Tours	0						
Local							
M.Sc	24	12	5	5	2		
B.Sc	36	24	1	10		1	
Other	63	50		13			
Tours	0						
B. No. of Farmers							
Tree Planting	1,253	343	300	250	360		
Nursery Tech.	350	163	45	75	67		
Land Development	5				5		
Soil Conserv.	0						
Mgmt/Mkt	505	350		105			
Motivators	8						
Tours	0				8		
8. BUILDINGS							
No. Offices	0	NA		NA	NA	NA	NA
No. Nursery Huts	0	NA		NA	NA	NA	NA
No. Res/Train Labs	0	NA		NA	NA	NA	NA
No. Hostels	0		NA		NA	NA	NA
No. Residences	0						50

Table 2. 1993/94 fiscal year project targets and accomplishments by geographic location.

Name of Activity	PC-1 Target 1993-94	Achieve. Thru 2qtr	PUNJAB	SINDH	NWFP	BALUCH	P.F.I. Federal	Other
1. PLANTING								
No. Farms	12,400	10,286	3360	443	6223	260	0	0
No. Plants	24,388,607	15,080,856	6325646	2778210	3477000	2500000	0	0
2. NURSERY								
No. Units	282	747	212	200	268	67	0	0
No. Plants	21,150,000	15,430,850	2483000	6588850	5019000	1340000	0	0
3. LAND DEVELOPMENT								
No. Acres	15,684	625	100	0	25	500	0	0
4. SOIL CONSERVATION								
No. Acres	1,200	0	0	0	0	0	0	0
5. SINDH IRR. PLANTATION								
Ac. Afforested	1,414	0	NA	0	NA	NA	NA	NA
Ac. Rehabilitated	1,385	0	NA	0	NA	NA	NA	NA
6. RESEARCH								
No. New Projects	1	0	0	NA	NA	NA	0	NA
7. TRAINING								
A. No. of Staff								
Overseas								
Sh.Term	17	14	3	3	2	2	4	0
Lg.Term	15	9	4	1	0	2	2	0
Tours	25	0	0	0	0	0	0	0
Local								
M.Sc	20	24	12	5	5	2	0	0
B.Sc	33	36	24	1	10	0	1	0
Other	44	77	60	0	13	0	4	0
Tours	25	0	0	0	0	0	0	0
B. No. of Farmers								
Tree Planting	3,632	4,560	3155	455	250	700	0	0
Nursery Tech.	280	800	413	177	81	129	0	0
Land Development	150	9	1	0	1	7	0	0
Soil Conserv.	120	0	0	0	0	0	0	0
Mgmt/Mkt	500	535	380	0	105	0	0	50
Motivators	50	8	0	0	0	8	0	0
Tours	90	0	0	0	0	0	0	0
8. Buildings								
No. Offices	3	0	NA		NA	NA	NA	NA
No. Nursery Huts	3	0	NA		NA	NA	NA	NA
No. Res/Train Labs	1	0	NA		NA	NA	NA	NA
No. Hostels	2	0		NA		NA	NA	NA
No. Residences	16	0						

Table 3. 1993/94 fiscal year project targets and accomplishments by quarter.

Name of Activity	PC-1 Target 1993-94	Achievement in 1st Quarter	Achievement in 2nd Quarter	Achievement in 3rd Quarter	Achievement in 4th Quarter	Cumulat. Achieve. 1993-94	Cumulat. Achieve. as % of Target
1. PLANTING							
No. Farms	12400	6687	3599	0	0	10286	83.0%
No. Plants	24388607	9437801	5643055	0	0	15080856	61.8%
2. NURSERY							
No. Units	282	403	344	0	0	747	264.9%
No. Plants	21150000	9142500	6288350	0	0	15430850	73.0%
3. LAND DEVELOPMENT							
No. Acres	15684	375	250	0	0	625	4.0%
4. SOIL CONSERVATION							
No. Acres	1200	0	0	0	0	0	0.0%
5. SINDH IRR. PLANTATION							
Ac. Afforested	1414	0	0	0	0	0	0.0%
Ac. Rehabilitated	1385	0	0	0	0	0	0.0%
6. RESEARCH							
No. New Projects	1	0	0	0	0	0	0.0%
7. TRAINING							
A. No. of Staff Overseas							
Sh.Term	17	11	3	0	0	14	82.4%
Lg.Term	15	6	3	0	0	9	60.0%
Tours	25	0	0	0	0	0	0.0%
Local							
M.Sc	20	0	24	0	0	24	120.0%
B.Sc.	33	0	36	0	0	36	109.1%
Other	44	14	63	0	0	77	175.0%
Tours	25	0	0	0	0	0	0.0%
B. No. of Farmers							
Tree Planting	3632	3307	1253	0	0	4560	125.6%
Nursery Tech.	280	450	350	0	0	800	285.7%
Land Development	150	4	5	0	0	9	6.0%
Soil Conserv.	120	0	0	0	0	0	0.0%
Mgmt/Mkt	500	30	505	0	0	535	107.0%
Motivators	50	0	8	0	0	8	16.0%
Tours	90	0	0	0	0	0	0.0%
8. BUILDINGS							
No. Offices	3	0	0	0	0	0	0.0%
No. Nursery Huts	3	0	0	0	0	0	0.0%
No. Res/Train Labs	Nil						
No. Hostels	2	0	0	0	0	0	0.0%
No. Residences	16	0	0	0	0	0	0.0%

Table 4. Life of project targets and accomplishments by fiscal year.

Name of Activity	LOP 1985-94 PC-1 Target	1985/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 2nd Qtr 1993/94 Achieved	LOP 1985-94 Achieved To Date	% Tar
1. PLANTING										
No. Farms	105,500	10,423	7,913	21,020	48,665	24,689	18,043	10,286	141,039	134
No. Plants	133,725,000	5,727,791	7,658,221	12,962,302	24,991,741	33,044,501	24,951,837	15,080,856	124,417,249	93
2. NURSERY										
No. Units	1,783	252	299	789	1,377	916	1,030	747	5,410	303
No. Plants	133,725,000	16,615,437	10,039,210	22,181,830	30,920,600	32,694,660	26,245,750	15,430,850	154,128,337	115
3. LAND DEVELOPMENT										
No. Acres	99,284	3,804	813	2,715	5,538	1,400	1,988	625	16,883	17
4. SOIL CONSERVATION										
No. Acres	7,600	85	35	405	2,035	310	293	0	3,163	42
5. SINDH IRR. PLANT.										
Mi. Canal Const	2			1	1				2	100
Ac. Afforested	5,400				337	1,220	2,429	0	3,986	74
Ac. Rehabil.	1,818			152	217	64		0	433	24
6. RESEARCH										
No. New Projects	50	17	13	1	7	6	5	0	49	98
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term	117	18	28	10	23	7	14	14	114	97
Lg.Term	43	2	1	3	2	3	3	9	23	53
Tours	50	12	8	2	1		2	0	25	50
Local										
M.Sc.	52			3	19	1	20	24	67	129
B.Sc.	76			8	20	1	19	36	84	111
Other	280	147	63	65	204	164	207	77	927	331
Tours	170	1	8	54	65	63	23	0	214	126
B. No. of Farmers										
Tree Planting	23,000	5,906	5,978	9,676	36,806	26,835	17,314	4,560	107,075	466
Nursery Tech.	1,780			289	215	598	969	800	2,871	161
Land Dev.	990			25	55	99	414	9	602	61
Soil Conserv.	760			92	11	4	43	0	150	20
Mgmt/Mkt	2,500				629	589	156	535	1,909	76
Motivators	600	11	231	23	35	63	25	8	396	66
Tours	570	27	158	294	223	313	123	0	1,138	200
8. BUILDINGS **										
No. Offices	41 (27)			2	17	3	2	0	24	89
No. Nursery Hut	34 (20)			3	9	3	2	0	17	85
No. Res/Train L	4 (1)	NA	NA	NA	NA	NA	NA	0	0	0
No. Hostels	3 (4)				1		1	0	2	50
No. Residences	90 (0)		1	5	5	12	4	0	27	30

** PC-1 Targets (USAID Commitment)

Table 6. Sindh life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 2nd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	NA	NA	NA	NA	NA	NA		48	443	491
No. Plants	NA	NA	NA	NA	NA	NA		1103800	2778210	3,882,010
2. NURSERY										
No. Units	NA	NA	NA	NA	NA	NA	4	137	200	341
No. Plants	NA	NA	NA	NA	NA	NA	180000	3002150	6588850	9,771,000
3. LAND DEVELOPMENT										
No. Acres	NA	NA	NA	NA	NA	NA			0	0
4. SOIL CONSERVATION										
No. Acres	NA	NA	NA	NA	NA	NA			0	0
5. SINDH IRR. PLANT.										
Mi. Canal Const					1	1	NA	NA	NA	2
Ac. Afforested						337	1220	2429	0	3,986
Ac. Rehabil.					152	217	64		0	433
6. RESEARCH										
On-Go Res/Demo	NA	NA								
No. Completed	NA	NA								
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		2	3	6	1	3			3	18
Lg.Term			1						1	4
Tours				1			2		0	1
Local										
M.Sc					1	3		3	5	12
B.Sc.					2	3		2	1	8
Other			2	1	2	22	15	9	0	51
Tours					5	3	13		0	21
B. No. of Farmers										
Tree Planting	NA	NA	NA	NA	NA	NA	2737	300	455	3,492
Nursery Tech.	NA	NA	NA	NA	NA	NA		139	177	316
Land Dev.	NA	NA	NA	NA	NA	NA			0	0
Soil Conserv.	NA	NA	NA	NA	NA	NA			0	0
Mgmt/Mkt	NA	NA	NA	NA	NA	NA	79	25	0	104
Motivators	NA	NA	NA	NA	NA	NA			0	0
Tours	NA	NA	NA	NA	NA	NA	79		0	79
8. BUILDINGS										
No. Offices	NA	NA	NA	NA	NA	NA			0	0
No. Nursery Hut	NA	NA	NA	NA	NA	NA			0	0
No. Residences	NA	NA	NA	NA	NA	NA	4		0	4
No. Hostels	NA	NA	NA	NA	NA	NA		NA	NA	NA
No. Res/Train L	NA	NA	NA	NA	NA	NA			0	0

Table 9. PFI/Federal/Other life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 2nd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	NA	NA								
No. Plants	NA	NA								
2. NURSERY										
No. Units	1	1	1	1	1	1	3	4	0	13
No. Plants	102000	63000	136000	94630	185000	182000	95200	708000	0	1,565,830
3. LAND DEVELOPMENT										
No. Acres	NA	NA								
4. SOIL CONSERVATION										
No. Acres	NA	NA								
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA	NA								
Ac. Afforested	NA	NA								
Ac. Rehabil.	NA	NA								
6. RESEARCH										
On-Go Res/Demo	1		10	9		4	3	5		32
No. Completed		2	4	4		1	2			13
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		3	2	8	3	8	3	5	4	36
Lg.Term				1	2			1	2	6
Tours		1	1	5	1			1	0	9
Local										
M.Sc									0	0
B.Sc.									1	1
Other	9	11	15	13	15	62	79	131	4	339
Tours			1	3	9	38	22	4	0	77
B. No. of Farmers										
Tree Planting									0	0
Nursery Tech.									0	0
Land Dev.									0	0
Soil Conserv.									0	0
Mgmt/Mkt							8	1	0	0
Motivators									50	59
Tours				10	229		28		0	0
8. BUILDINGS										
No. Offices	NA	NA								
No. Nursery Hut	NA	NA								
No. Residences	NA	NA								
No. Hostels										
No. Res/Train L	NA	NA	NA	NA	NA	1	NA	1	NA	2

Table 10. No. of NGO grants by status, type and province.

Province	Seedling Production		Type of Grant Environmental Awareness		Biodiversity		Institutional Capacity		TOTAL	
	No.	US \$	No.	US \$	No.	US \$	No.	US \$	No.	US \$
COMPLETED GRANTS										
Punjab	5	21,262	2	5,402	0	0	0	0	7	26,664
Sindh	2	10,567	0	0	0	0	0	0	2	10,567
Balochistan	0	0	0	0	0	0	0	0	0	0
NWFP	0	0	1	14,190	0	0	0	0	1	14,190
AJ&K	0	0	0	0	0	0	0	0	0	0
Islamabad	1	12,103	2	23,365	0	0	0	0	3	35,468
Federal	0	0	0	0	0	0	0	0	0	0
Subtotal	8	43,932	5	42,957	0	0	0	0	13	86,889
ON-GOING GRANTS										
Punjab	10	89,300	0	0	0	0	1	6,700	11	96,000
Sindh	7	30,300	0	0	0	0	1	13,300	8	43,600
Balochistan	0	0	0	0	1	28,000	0	0	1	28,000
NWFP	4	52,100	0	0	0	0	1	36,700	5	88,800
AJ&K	1	7,700	0	0	0	0	0	0	1	7,700
Islamabad	1	8,100	4	63,400	0	0	1	20,000	6	91,500
Federal	0	0	1	9,100	1	12,000	1	5,200	3	26,300
Subtotal	23	187,500	5	72,500	2	40,000	5	81,900	35	381,900
TOTAL GRANTS										
Punjab	15	110,562	2	5,402	0	0	1	6,700	18	122,664
Sindh	9	40,867	0	0	0	0	1	13,300	10	54,167
Balochistan	0	0	0	0	1	28,000	0	0	1	28,000
NWFP	4	52,100	1	14,190	0	0	1	36,700	6	102,990
AJ&K	1	7,700	0	0	0	0	0	0	1	7,700
Islamabad	2	20,203	6	86,765	0	0	1	20,000	9	126,968
Federal	0	0	1	9,100	1	12,000	1	5,200	3	26,300
Total	31	231,432	10	115,457	2	40,000	5	81,900	48	468,789

PROGRESS TOWARD PROJECT GOALS AND PURPOSE

This quarter the Project completes the first half of its ninth Pakistan fiscal year. The Project is successful in getting farmers to plant trees on their private farm lands. This success has resulted in a significant energy and economic impact on rural Pakistan within the project area. Several of Pakistan's wood-using forest industries now view farm forestry as a means of providing a sustainable supply of raw materials for their processing facilities.

Since 1985, over 154 million trees have been raised on 5,400 farm nurseries and these seedlings have been planted on more than 141,000 farms. At maturity (age 7), these trees will provide approximately 9.3 million metric tons of wood for use or sale by farm households. In addition to energy and home constructions use, new industrial markets have developed and are purchasing farm-grown wood that is produced through this project. The wood produced on farms under this project has a nominal farm gate value of U.S. \$213 million.

Important from an institutional standpoint, social forestry schemes now being formulated throughout Pakistan, both by the federal and provincial governments and by foreign donors, are adopting the methods and implementation strategies used in the Forestry Planning and Development Project. Both the World Bank and the Asian Development Bank are developing, with the federal and provincial governments, programs to fund farm forestry projects. The provincial forest department staffs have become comfortable with and proficient in their role as technology transfer agents. They are beginning to put increasing emphasis on strengthening wood producer and wood user linkages. The departments are evaluating strategies to institutionalize their farm forestry activities within existing and modified administrative structures.

This report includes indicators which USAID uses to monitor progress towards project purpose. Figures 1, 4, 7, 8 and 9 graphically show the change in selected purpose level social/economic indicators over the life of the project.

PROJECT ACCOMPLISHMENTS DURING THE QUARTER

A. INSTITUTIONAL AND MANPOWER DEVELOPMENT

1. Project Reporting and Coordination

- Preparation began for the Annual Federal Advisory Committee Meeting to be held during the third quarter.
- Preparation began for a meeting of the Provincial Project Directors.

2. National Policy

- The Asian Development Bank, in collaboration with the Government of NWFP began preparation for a Project Preparation Mission to develop a proposal to fund forestry sector projects in NWFP and Federal areas/institutions.

3. Training

a. Long-Term Overseas Training

- Mohammad S. Khan, Pakistan Forest Institute, completed his M.Sc. degree in forestry research at Auburn University on 31 October 1993.
Person-months: 25.0
- Kanwar M. Suleman, Pakistan Forest Institute, completed his M.Sc. degree in pulp and paper at the University of Maine on 31 December 1993.
Person-months: 24.0
- Ghulam R. Keerio, Sindh Province, completed his Ph.D. degree in agroforestry at the University of Idaho on 22 December 1993.
Person-months: 7.0
- Five officers now are progressing towards M.Sc. degrees and one officer is progressing towards a Ph.D. degree in U.S. institutions.

b. Long-Term In-Country Training

- 24 individuals (18 men and 6 women) completed their 2-year M.Sc. degrees in Forestry on project provided fellowships at PFI, Peshawar.
Person-months: 528.0
- 36 individuals (29 men and 7 women) completed their 2-year B.Sc. degrees in Forestry on project provided fellowships at PFI, Peshawar.
Person-months: 792.0
- 20 individuals (17 men and 3 women) are continuing their 2-year B.Sc. degree programs in Forestry at PFI, Peshawar on project provided fellowships.
- 33 individuals (23 men and 10 women) are continuing their 2-year M.Sc. degree programs in Forestry at PFI, Peshawar on project provided fellowships.

- c. Short-Term Overseas Training
 - 1 officer completed a 6-week OICD course on Basic Agricultural Survey Statistics and Methods.
Person-months: 1.5
 - 2 officers completed a 1-week international workshop on course marketing for multipurpose tree products.
Person-months: 0.6
- d. In-Country Technical Training
 - Organized and conducted, with the Punjab Forest Department, a 3-day seminar on agroforestry systems and their management at Punjab Forest Research Institute, Gatwala for 50 CCFs, CFs, DFOs, RFO and Forester.
Person-months: 6.8
 - Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 3 foresters in D.I. Khan, NWFP.
Person-months: 0.1
 - Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 3 foresters in Bannu, NWFP.
Person-months: 0.1
 - Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 3 foresters in Karak, NWFP.
Person-months: 0.1
 - Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 4 foresters in Kohat, NWFP.
Person-months: 0.2
- e. In-Country Farm Forestry Training
 - Organized and conducted, with the Punjab Forest Department, a 1.5-day seminar on agroforestry systems and their management at Changa Manga Irrigated Plantation for 400 farmers and wood-using industry representatives.
Person-months: 27.3
 - Organized and conducted half-day workshops for 1253 farmers involved in tree planting activities in Punjab and Balochistan.
Person-months: 28.5

- Organized and conducted one-day workshops for 350 farmers involved in managing farm nurseries in Punjab and Balochistan.
Person-months: 15.9
- Organized and conducted one-day workshops for 5 farmers involved in land development activities in Balochistan.
Person-months: 0.2
- Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 30 farmers in D.I. Khan, NWFP.
Person-months: 1.4
- Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 21 farmers in Bannu, NWFP.
Person-months: 0.9
- Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 26 farmers in Karak, NWFP.
Person-months: 1.2
- Organized and conducted a 1-day workshop on management and marketing of farm grown trees for 28 farmers in Kohat, NWFP.
Person-months: 1.3
- Organized and conducted one-day workshops for 8 village motivators in Balochistan.
Person-months: 0.4

1. Technical Assistance

TAT members met with Officers, Project Directors and their staffs in Punjab, Sindh, NWFP and Balochistan provinces, at the Pakistan Forest Institute, and at the Punjab Forest Research Institute. The following highlights are in addition to the TAT's advising and training responsibilities.

- Participated in and presented a paper at a World Bank organized Workshop on Forestry Management for Sustainable Development in Kandy, Sri Lanka, October 4-9, 1994.
- Participated in and presented a paper at a F/FRED organized International Workshop on Marketing of Multipurpose Tree Products in Baguio City, Philippines, December 4-9, 1994.

- Participated as a resource person for the Punjab Forest Department organized Agroforestry seminars held at Gatwala on December 3-5, 1993 and Changa Manga on December 11-12, 1993.
- Gary G. Naughton completed his 5-week consultancy (October 8 - November 12, 1993) on Wood User - Wood Producer market linkages.
Person-months: 1.2

5. Research Management

- Organized and held the Annual Forestry Research Review Committee Meeting at Pakistan Forest Institute on October 12-13, 1994.
The Forest Research, Forest Products and Forest Engineering, Biological Science Research, Forest Education Divisions of the Institute reported on their current activities. This was followed by presentations by the Provincial Forest Departments. The following number of studies were briefly discussed in each Division:
 - Forest Research - 15
 - Forest Products and Engineering - 10
 - Biological Science - 13
 - Forest Education - 1
 - Punjab Forestry Research Institute - 3
 - Sindh Forest Department Research - 1
 - Azad Jammu & Kashmir For. Dept. Research - 1

B. OPERATIONAL ACTIVITIES

1. Barani/Irrigated Plantations - Balochistan, NWFP, Punjab and Sindh
 - a. Nursery Development
 - 344 farm forestry nurseries in Punjab, Sindh, Balochistan and NWFP were raising tree seedlings for distribution to farmers.
 - b. Tree Planting
 - 5.6 million tree seedlings were planted by farmers in Punjab, Balochistan, Sindh and NWFP.
 - c. Extension/Outreach/Recognition
 - 2,121 farmers received training in the raising and planting of tree seedlings/cuttings, management and marketing of farm woodlot products, and in land and soil conservation methods in Punjab, Balochistan, Sindh and NWFP.

- d. Land Development and Soil Conservation
 - 250 acres of land development and soil conservation works were completed in Balochistan.
- e. Monitoring and Evaluation
 - Bids were let for the procurement of GIS equipment. Renovation of a laboratory to house the GIS equipment at PFI has begun.
- 2. Irrigated Plantations - Sindh
 - No afforestation works were reported this quarter.
- 3. Irrigated Plantations - Punjab
 - Intermediate analysis of planning level field data being used to develop a linear program based harvest schedule for Changa Manga plantation was completed. Input of data into a linear programming model format is underway.
- 4. NGO Activities
 - Awarded and completed grants to NGOs by the FP&D Grant Unit during this quarter are shown in Attachment D.
 - Several workshops were organized and conducted on nursery and tree planting technologies for members of NGOs who have received project grants.
- 5. Special Studies
 - o Use/Marketing/Economics of Farm Forestry Products
 - Preparation began for an operational trial using Eucalyptus as pit props in coal mines near Joharabad, Khushab.
 - "Wood News" was distributed to members of the wood-using industry and project staff.
 - o Farm Forestry Field Guides
 - Tree Farmers Guide No. 10: Farm Trees - Black Locust.
English and Urdu documents were prepared, printed and distributed.
 - Tree Farmers Guide No. 11: Farm Trees - Asmani.
English and Urdu documents were prepared, printed and distributed.

- Tree Farmers Guide No. 12: Farm Trees - Eucalyptus, English and Urdu documents were prepared, printed and distributed.
- Tree Farmers Guide No. 13: Farm Trees - Sissoo. English and Urdu documents were prepared, printed and distributed.
- Tree Farmers Guide No. 14: Steps in the Planting of Poplar.
Urdu document was prepared, printed and distributed.

o Degree Training Teaching Materials

- "Forest Policy Administration and Management in Pakistan" by Abeed Ullah Jan.
Published and distributed.

o Non-Degree Training Teaching Materials

- Reviewed and edited Chapters 1, 2 and 3 of, and posters and charts for the training manual associated with the new curricula for Foresters and Forest Guards.

6. Research

- 31 research projects, studies and demonstrations are currently on-going.

C. CONSTRUCTION

1. Provincial Office Facilities

- Construction was initiated in November on 1 DFO and 2 RFO offices, and 3 nursery huts in Sindh.

2. Provincial Research and Training Facilities

- Construction of the research and training units at Hyderabad is 10 percent complete.

3. Hostel Facilities

- Construction of the hostel at Abbottabad is 35 percent complete.
- Construction of the hostel at Ghora Gali is 35 percent complete.

PROJECT IMPLEMENTATION ISSUES

A. ACTION ON THIS QUARTER'S ISSUES

Scheduling Nursery Contracts and Establishing Seedling Prices
The Project Monthly Review Committee agreed that the O/IGF and provincial Project Directors would monitor fiscal management actions which could lead to having nursery contracts in excess of appropriated (released) funds. The contracted price of seedlings was set at Rs. 0.75 and the nursery operator is expected to directly collect Rs. 0.5 from the individual receiving the seedlings. During the winter planting season provincial Project Directors, O/IGF and TAT will attempt to assess whether or not the reduced seedling contract price is adversely impacting the project.

World Bank Forestry Project Appraisal Mission

During the period June/September the World Bank supported a Punjab and Capital Development Authority Forestry Sector Project Preparation Mission in Pakistan. The Forestry Planning and Development Project collaborated, as appropriate, with the preparation mission during its assignment. The project activities identified in June/September were pre-appraised by the World Bank in November 1993. A decision on the cost of seedling to farmers is a major issue still to be resolved.

B. NEXT QUARTER'S ISSUES

Federal Advisory Committee and Project Directors Meetings

As the Project begins its final year it is appropriate that planning activities become better coordinated and focus. In addition, there is a need for project staff to share experiences across provincial boundaries and formulate lessons learned so they can be incorporated into future activities. Thus, special importance is assigned to a Project Directors Meeting.

ACTION: The O/IGF and provincial forest departments, in collaboration with the TAT, will schedule and hold meetings of the Federal Advisory Committee and Provincial Project Directors as early as possible.

PROPOSED PROJECT ACTIVITIES FOR NEXT QUARTER

A. INSTITUTIONAL AND MANPOWER DEVELOPMENT

1. Project Reporting and Coordination

- Meeting of Federal Advisory Committee.
- Meeting of Provincial Project Directors

2. National and Provincial Policy

- Project Preparation for World Bank and Asian Development Bank follow-on programs continues in the Punjab and NWFP, and at the Federal level.
- Implementation of the National Policy for Forests, Wildlife, Watersheds and Rangelands, 1991 continues.

3. Training

a. Long-Term Overseas

- M.Sc. and Ph.D. students continue degree training in U.S. forestry institutions.

b. Long-Term In-country

- Preparation of training materials for Forest Guard and Forester curricula continues.
- B.Sc. and M.Sc. scholarship students continue their two year program of forestry training.

c. Short-Term Overseas

- Participants for overseas workshops are nominated, approved and scheduled for training programs.

d. In-Country Technical Training

- Conduct workshops on farm forest technologies.

e. In-Country Farm Forestry Training

- Conduct Farmer workshops on tree planting.
- Conduct Farmer workshops on managing and operating farm nurseries.
- Conduct Farmer workshops on the management, marketing and utilization of farm grown wood.

4. Technical Assistance

- TAT members will meet with Officers, Project Directors and their staffs in the Balochistan, Punjab, NWFP and Sindh provinces, at the Pakistan Forest Institute, and at the Punjab Forest Research Institute.

5. Research Management

- Research review conducted for the Punjab Forest Research Institute, Gatwala.

B. OPERATIONAL ACTIVITIES

1. Barani/Irrigated Plantations - Balochistan, NWFP, Punjab, and Sindh

a. Nursery Development

- Farm nurseries begin production of seedlings for the monsoon planting season.

b. Tree Planting

- Farmers plant trees on rainfed, irrigated and waterlogged lands.

c. Extension/Outreach

- Provide tree crop management information to farmers.

d. Soil Conservation and Land Development

- Support soil conservation and land development activities in the project.

e. Monitoring and Evaluation

- Continue implementation of the GIS laboratory at PFI.

2. Irrigated Plantations - Sindh

- Continue rehabilitation and reforestation activities.

3. Irrigated Plantations - Punjab

- Completion of the linear program based harvest schedule for Changa Manga plantation.

4. NGO Activities

- Provide grants to Pakistan NGOs for activities which strengthen farm forestry programs.

5. Special Studies

- o Use/Marketing/Economics of Farm Forestry Products
 - Facilitate interaction between farm forestry producers and industrial wood users on the marketing and utilization of farm grown wood.
 - Gary Naughton undertakes a consultancy to develop log conversion and log grade rules for selected farm forestry markets.
- o Farm Forestry Field Guides
 - Prepare a technical note on the insects and diseases of Simal and on tree nursery insect and diseases.
 - Prepare and distribute Farmer Guides on two farm forestry species.
- o Non-Degree Training Teaching Materials
 - Complete training manual used in association with the Forester and Forest Guards curricula.

6. Research

- Continue review of on-going research projects and studies. Prepare publications on completed studies.

CONSTRUCTION

1. Provincial Office Facilities

- Construction continues on offices and nursery huts in Sindh.

2. Provincial Research and Training Facilities

- Construction continues on research and training units at Hyderabad.

3. Hostel Facilities

- Construction continues on the hostel at Abbottabad.
- Construction continues on the hostel at Ghora Gali.

**ATTACHMENT A. TECHNICAL ASSISTANCE TEAM FINANCIAL SUMMARY FOR
PHASE II.**

<u>Line Item</u>	<u>5-Year Budget Amount</u>	<u>31 Dec 93 Cumulative Expended</u>	<u>Percent Expended</u>
1. Salaries and Wages	\$1,248,070	\$1,104,170.67	88.47
2. Fringe Benefits	296,926	262,093.48	88.27
3. Overhead	723,687	641,308.10	88.62
4. Travel, Transportation & Per Diem	645,487	505,335.09	78.29
5. Allowances	327,378	301,829.59	92.20
6. Other Direct Costs	744,826	558,164.42	74.94
7. Local Training	244,850	213,374.76	87.15
8. Commodities	418,475	400,242.03	95.64
9. Subcontracts	78,271	78,271.00	100.00
Total Expended	\$4,727,970	\$4,064,789.14	85.97

ATTACHMENT B. USAID AND GOP LIFE OF PROJECT FINANCIAL SUMMARY.

<u>Line Item</u>	<u>Budgeted Amount</u>	<u>31 Dec 93 Cumulative Expended</u>	<u>Percent Expended</u>
<u>USAID</u>			
Technical Assistance	\$ 8,200,000	\$ 7,373,157	89.92
Training	3,360,000	2,559,844	76.19
Commodities	2,738,000	2,480,097	90.58
Other Costs	12,852,000	11,483,565	89.35
Evaluation	350,000	172,026	49.15
Total Reimbursable	\$27,500,000	\$24,068,689	87.52
<u>GOP</u>			
Non-Reimbursable	Rs. 178,000,000	Rs. 100,200,119	56.29

ATTACHMENT C. PROJECT PUBLICATIONS PRODUCED DURING THE SECOND
QUARTER OF PAKISTAN FISCAL YEAR 1993/1994.

PUBLISHED ARTICLES

- M. Iqbal, James A. Moore and Charles R. Hatch. 1992. Estimation of Crown Biomass Production of Populus nigra Italica Muench in Pakistan. Pakistan Journal of Forestry 42(3):118-129.
- Center for Development Information and Evaluation. 1993. Farm Forestry in Pakistan: An Evaluation of A.I.D. Assistance. A.I.D. Evaluation Highlights No. 21, 8 p.

BOOKS

- Abeedullah Jan. 1993. Forest Policy Administration and Management in Pakistan. Pictorial Printers (Pvt) Ltd., Islamabad, Pakistan. 193 p.

PROCEEDINGS

- Titus Bekkering, Gary Naughton and Frans Werter (Eds.). 1993. Forestry Extension in Pakistan. Proceedings, Regional Wood Energy Development Programme and Forests, Trees & People Programme workshop held in Peshawar, 6-8 April 1993, 157 p.

TREE FARMERS GUIDES

- Farhat Naseer. 1993. Farm Trees - Black Locust. Tree Farmers Guide No. 10, (Urdu and English), Forestry Planning and Development Project, 2 p.
- Farhat Naseer. 1993. Farm Trees - Asmani. Tree Farmers Guide No. 11, (Urdu and English), Forestry Planning and Development Project, 2 p.
- M.I. Sheikh. 1993. Farm Trees - Eucalyptus. Tree Farmers Guide No. 12, (Urdu and English) Forestry Planning and Development Project, 2 p.
- M.I. Sheikh. 1993. Farm Trees - Sissoo. Tree Farmers Guide No. 13, (Urdu and English) Forestry Planning and Development Project, 4 p.
- M.I. Sheikh. 1993. Steps in the Planting of Poplar. Tree Farmers Guide No. 14, (Urdu) Forestry Planning and Development Project, 4 p.

NEWSLETTER

Office of the Inspector General of Forests. 1993. Wood News. Forestry Planning and Development Project, 2 p.

PAPERS

M.I. Sheikh. 1993. Extending Technologies for Upland and Saline Sites - How? Paper presented at the Economic Development Institute of the World Bank Regional Seminar on Forestry Management for Sustainable Development, Kandy, Sri Lanka on 4-9 October 1993, 14 p. plus appendix.

Rashid Mahmood Randhawa. 1993. Role of Farm Forestry in Supplying Wood Needs of Pakistan. Paper presented at the Economic Development Institute of the World Bank Regional Seminar on Forestry Management for Sustainable Development, Kandy, Sri Lanka on 4-9 October 1993, 8 p.

Charles R. Hatch. 1993. Using Industrial Wood Markets to Sustain Farm Forestry: the Pakistan Experience. Paper presented at the International Workshop on the Marketing of Multipurpose Tree Products, Baguio City, Philippines on December 6-9, 1993.

CONSULTANCY REPORT

Gary G. Naughton. 1993. Farmer-Market Linkages for Forest Products. Consultant Report, Winrock International, 21 p.

**ATTACHMENT D. NGO GRANTS AWARDED AND COMPLETED DURING THE SECOND
QUARTER OF PAKISTAN FISCAL YEAR 1993/1994.**

AWARDED

41-Belour Advisory and Social Development Organization Northern Areas	Institutional Capacity	\$5,200
42-Pakistan Tree Farm Society Islamabad	Institutional Capacity	\$20,000
43-Village Friends Organization Punjab	Seedling Production	\$8,900
44-Shewa Educated Social Workers Association NWFP	Seedling Production	\$10,000
45-Mian Noor Muhammad Memorial Punjab	Seedling Production	\$10,800
46-Malik Maula Bux Memorial Trust Punjab	Seedling Production	\$5,300
47-Saiban Action Research for Shelter Sindh	Seedling Production	\$3,800
48-Women Development Association NWFP	Seedling Production	\$4,200

COMPLETED

2-Fountain House Lahore Punjab	Seedling Production	\$9,063
3-National Farm Guide Council Punjab	Seedling Production	\$7,281
6-Orangi Pilot Project Sindh	Seedling Production	\$5,948
7-Social Welfare Association Punjab	Seedling Production	\$1,893
8-Saiban Action Research for Shelter Sindh	Seedling Production	\$4,619
10-Pakistan Tree Farm Society Islamabad	Seedling Production	\$12,103

13-Pakistan Environmental Protection Foundation NWFP	Environmental Education	\$14,190
31-Zubaida Women Welfare Islamabad	Environmental Awareness	\$3,449
33-Social Welfare Society Punjab	Seedling Production	\$1,943