ANNEX O. AGRO-ECONOMY, PROJECT BENEFITS AND PROJECT EVALUATION

#### O.1 Basic Development Plan

### <u>List of Tables</u>

Table O.1-1	Annual Income per Household by Model Area
Table O.1-2	Comparison with Annual Income and Expenditures per Household
	by Model Area
Table O.1-3	Comparison with Annual per Capita Poverty Threshold
Table O.1-4	Source of Credit of Farmers by Model Area
Table O.1-5	Number of Farmers Who availed of Loan, Necessity of Loan,
Payment	and Resources for Non-payment of Loan by Model
Area	
Table O.1-6	Demand and Supply of Selected Agricultural products (Staple Food)
	by Model Area
Table O.1-7	Net Production Value Without-Project: All 12 Model Areas
Table O.1-8	Net Production Value With-Project: All 12 Model Areas
Table O.1-9	Project Development and Annual O & M Costs
Table 0.1-10	Financial Analysis: Sappaac ARC Region-CAR
Table 0.1-11	Financial Analysis: Talugtog ARC: Region-I
Table 0.1-12	Financial Analysis: Cofcaville ARC: Region-II
Table O.1-13	Financial Analysis: Montilla ARC: Region-III
Table 0.1-14	Financial Analysis: Maulawin ARC: Region-IV
Table 0.1-15	Financial Analysis: Pag-Asa ARC: Region-V
Table 0.1-16	Financial Analysis: Abiela ARC: Region-VI
Table O.1-17	Financial Analysis: San Vincent ARC: Region-VII
Table 0.1-18	Financial Analysis: Marangog ARC: Region-VIII
Table 0.1-19	Financial Analysis: Silae ARC : Region-X
Table O.1-20	Financial Analysis: Kipalili ARC: Region-XI
Table 0.1-21	Financial Analysis: Mat-iARC: Region-XIII

## <u>List of Figures</u>

Figure O.1-1	Farm and Non-Farm Income per Household by Region
Figure O.1-2	Comparison with Annual Income and Expenditure by Region
Figure O.1-3	Comparison with Annual per Capita Poverty Threshold by Region
Figure 0.1-4	Target of Farm Balance

## O.2 Feasibility Study

#### **List of Tables**

	Table O.2-1	Financial Model for Paddy-3 Production: Sappaac
	Table O.2-2	Financial Model for Paddy-3 Production: Sappaac
	Table O.2-3	Financial Model for Paddy-1 Production: Cofcaville
	Table O.2-4	Financial Model for Paddy-2 Production: Cofcaville
	Table O.2-5	Financial Model for Paddy-3 Production: Marangog
	Table O.2-6	Financial Model for Paddy-5 Production: Marangog
	Table O.2-7	Financial Model for Paddy-1 Production: Silae
	Table O.2-8	Financial Model for Paddy-2 Production: Silae
•	Table O.2-9	Financial Model for Paddy-5 Production: Silae
	Table O.2-10a	Financial Model for Cassava Production: Cofcaville
:	Table O2-10	Financial Model for White Corn Production: Sappaac
	Table 0.2-11	Financial Model for White Corn Production: Marangog
	Table O.2-12a	Financial Model for Yellow Corn Production: Cofcaville
	Table 0.2-12	Financial Model for Yellow Corn Production: Silae
-	Table 0.2-13	Financial Model for Garlic Production: Sapped
	Table 0.2-14	Financial Model for Mungbean Production: Sappaac
	Table 0.2-15	Financial Model for Mungbean Production: Cofcaville
	Table 0.2-16	Financial Model for Mungbean Production: Marangog
	Table 0.2-17	Financial Model for Mungbean Production: Silae
	Table 0.2-18	Financial Model for Peanut Production: Sappaac
	Table 0.2-19	Financial Model for Peanut Production: Cofcaville
•	Table 0.2-20	Financial Model for Peanut Production: Marangog
•	Table 0.2-21	Financial Model for Peanut Production: Silae
	Table 0.2-22	Financial Model for Squash Production: Marangig
	Table 0.2-23	Financial Model for Sweet Potato Production: Sappaac
	Table O.2-24	Financial Model for Sweet Potato Production: Coscaville
	Table 0.2-25	Financial Model for Sweet Potato Production: Marangog
	Table 0.2-26	Financial Model for Abaca Production: Marangog
	Table 0.2-27	Financial Model for Banana Production: Sappaac
	Table 0.2-28	Financial Model for Banana Production: Cofcaville
	Table 0.2-29	Financial Model for Banana Production: Marangog
	Table 0.2-30	Financial Model for Mango Production: Sappaac
	Table 0.2-31	Financial Model for Coconut-E Production: Marangog
	Table 0.2-32	Financial Model for Coconut-N Production: Marangog
	Table <b>0.2-33</b>	Financial Model for Durban Production: Silae
	Table 0.2-34	Financial Model for Jackfruit Production: Cofcaville
	Table 0.2-35	Financial Model for Jackfruit Production: Marangog
	Table 0.2-36	Financial Model for Bagras Production: Sappaac
	Table O.2-37	Financial Model for Bagras Production: Silae
	Table 0.2-38	Financial Model for Bagalunga Production: Marangog
	Table <b>0.2-39</b>	Financial Model for Fleiningia Hedgerow: Sappaac
	Table 0.2-40	Financial Model for Fleiningia Hedgerow: Cofcaville
	Table 0.2-41	Financial Model for Fleiningia Hedgerow: Marangog:
		2 0

:

Table O.2-42	Financial Model for Fleiningia Hedgerow: Silae
Table O.2-43	Financial Model for Gemelina Production: Cofcaville
Table O.2-44	- Financial Model for Gemelina Production: Marangog
Table O.2-45	Financial Model for Gemelina Production: Silae
Table O.2-46	Financial Model for Kakawate Production: Sappaac
Table 0.2-47	Financial Model for Kakawate Production: Cofcaville
Table 0.2-48	Financial Model for Kakawate Production: Silae
Table 0.2-49	Financial Model for Mahogany Production: Sappaac
Table 0.2-50	Financial Model for Mahogany Production: Cofcaville
Table 0.2-51	Financial Model for Mahogany Production: Marangog
Table 0.2-52	Financial Model for Mahogany Production: Silae
Table O.2-53	Financial Model for Village Carabao Unit: Sapped
Table 0.2-54	Financial Model for Village Carabao Unit: Cofcaville
Table <b>0.2-55</b>	Financial Model for Village Carabao Unit: Marangog
Table O.2-56	Financial Model for Village Carabao Unit: Silae
Table O.2-57	Financial Model for Native Poultry Unit: Sapped
Table O.2-58	Financial Model for Native Poultry Unit: Cofcaville
Table O.2-59	Financial Model for Native Poultry Unit: Marangog
Table O.2-60	Financial Model for Native Poultry Unit: Silae
Table 0.2-61	Benefits from Rural Roads : Sapped
Table 0.2-62	Benefits from Rural Roads : Cofcaville
Table O.2-63	Benefits from Rural Roads : Marangog
Table O.2-64	Benefits from Rural Roads : Silae
Table O.2-65	Benefits from Rural Water Supply : Sapped
Table O.2-66	Benefits from Rural Water Supply : Cofcaville
Table O.2-67	Benefits from Rural Water Supply : Marangog
Table O.2-68	Benefits from Rural Water Supply : Silae
Table 0.2-69	Benefits from Fish Culture: Sapped
Table 0.2-70	Benefits from Fish Culture: Cofcaville
Table 0.2-71	Benefits from Fish Culture: Silae
Table 0.2-72	Financial Model for Post-Harvest: Sapped
Table <b>0.2-73</b>	Financial Model for Post-Harvest: Cofcaville
Table 0.2-74	Financial Model for Post-Harvest: Marangog
Table O. <b>2-75</b>	Financial Model for Post-Harvest: Silae
Table O.2-76	Production Costs Without-Project: Sapped
Table 0.2-77	Production Costs Without-Project: Coscaville
Table 0.2-78	Production Costs Without-Project: Marangog
Table 0.2-79	Production Costs Without-Project: Silae
Table O.2-80	Project Development Costs: Sapped
Table O.2-81	Project Development Costs: Coscaville
Table O.2-82	Project Development Costs: Marangog
Table <b>0.2-83</b>	Project Development Costs: Silae

Table O.1-1 Annual Inc

Annual Income per Household by Model Area

		Farm Income		Non-Farm	
	Crop	Livestock	Sub-Total	Income	Total
1. Sappa-ac ARC, Bangued				-	
Abra, CAR	16,843	2,456	19,299	618,51	35,118
2. Talugtog ARC, San Juan					
_	9,044	1,020	10,064	1+1,++	54,205
3. Cofcaville ARC, Maddela					
Ouirino, Region II	24,719	2,072	26,791	4,606	31,397
4. Montilla ARC, Tuvo, Balanga				,	
Bataan, Region III	9,659	5,827	13,486	91.890	105,376
5. Maulawin ARC, Calauag					
Quezon, Region IV	19,541	1,650	21,191	7,243	28,434
6. Pagasa, Tinambac					
Camarines Sur, Region V	19,809	1,903	21,712	3,128	24,840
7. Abiera Estate, Altavaz					
Aklan, Region VI	5,916	470	9869	2,092	8,478
8. San Vicente ARC, Trinidad					
Bohol, Region VIII	15,472	1,901	17,373	5.556	22,929
9. Marangog ARC, Hilongos					
Leyte, Region VIII	7,811	2,501	10,312	2,939	13,251
10. Silae ARC, Malaybalay				:	
Bukidnon, Region X	21,974	1,343	23,317	1,316	24,633
11. Kipalili ARC, Asuncion					
Davao Del Norte, Region XI	9,713	797	10,510	3,172	13,682
12. Mat-i ARC, Surigao City					1 4
Surigao Del Norte, Region XIII	15.296	1,690	16.986	5.197	22,183
Average Total Income					32,043,83

urce: Farmer's Agro-Socio-Économic Sur

Comparison with Annual Income and Expenditures per Household by Model Area Table 0.1-2

	Total	Total	
Model Area	Income	Expenditure	Total
1. Sappa-ac ARC, Bangued			-
Abra, CAR	35,117	22,136	12.981
2. Talugtog ARC. San Juan			
La Union, Region I	54.205	161.61	5,014
3. Cofcaville ARC, Maddela			
Quinno, Region II	31,397	36.637	(5.240)
4. Montilla ARC, Tuyo, Balanga			
Bataan, Region III	105,376	91,821	13,555
5. Maulawin ARC, Calauag			
Quezon, Region IV	28.434	37.011	(8.577)
6. Pagasa, Tinambac			
Camarines Sur. Region V	24,839	34.682	(6.843)
7. Abiera Estate, Altavaz			
Aklan. Region VI	8,178	24.913	(16.435)
8. San Vicente ARC, Trinidad			-
Bohol, Region VIII	22,929	28.866	(5.937)
9. Marangog ARC. Hilongos			
Leyre. Region VIII	13,251	24.848	(11.597)
10. Silae ARC, Malaybalay		:	
Bukidnon, Region X	24,632	34.025	(9.393)
11. Kipalili ARC. Asuncion			
Davao Del Norte, Region XI	13,682	19.581	(5.899)
12. Mat-i ARC, Surigao City			-
Sungao Del Norte, Region XIII	22.183	36.702	(14.519)
Average Balance			(4.657.50)

Table O.1-3 Comparison with Annual per Capita Poverty Threshold

Area Bangued, Abra REGION CAR	San Juan,	2	Monthla	Maulawn	Pagasa	Abiera	San Vicente Marangog	Marangog	Suae	Kıpallıı	Mat-1
:		Maddela,	Balanga,	Calauag,	Tinambac,	Altavas,	Trinidad,	Hilongos.	Malaybalay.	Asuncion,	Surigao C.
:	La Union	Quirino	Bataan	Quezon	Cam. Sur	Akdan	Eohol	Leyte	Bukidnon	Davao	Sur. Norte
	<b>→</b>	Ħ	III	IV	Λ	M	VIII	VIII	×	X	X
TOTAL INCOME 35118	54205	31397	105376	28434	24840	8478	22929	13251	24633	13682	22183
Average HH pop 5.6	5.4	4.5	5.4	5.8	6.3	6.4	5.7	6.1	5.2	7	5.3
REGION	H	Ħ	Ħ	2.	>	7	Ν	MIL	×	×	ij
Ave. HH Income 6271.07	10037.96	6977.11	19514.07	4902.41	3942.86	1324.69	4022.63	2172.30	4737.12	1954.57	4185.47
Annual Per Capita Poverty 11585	9878	8195	8497	9013	8313	8053	5812	÷119	7760	7621	8349
Threshold (Rural) **		-									
Annual Per Capita Poverty 11522	10064	8522	9744	9481	8421	8201	6059	6482	8682	8236	8961
Threshold (Total) *											
Annual Per Capita Poverty 11585	9878	8195	8497	9013	8313	\$053	5812	6114	7760	7621	8349
ווונטונטון (אינושו)											

Source: Farmer's Agro-Socio-Economic Survey & "Poverty Statistics", National Statistical Coordination Board, Nov 1995

<sup>\* 1994</sup> Preliminary Data, from table 1, Poverty Statistics, NSCB, Nov 1995

<sup>\*\* 1994</sup> Preliminary Data, from table 1b, Poverty Statistics, NSCB, Nov 1995

Table 0.1-4

Source of Credit of Farmers by Model Area

	Yes No 82 4 66 34 4 82 26 42	Bank		001		L	March Sept.
Sappa-ac ARC Bangued, Abra, CAR Talugtog ARC San Juan, La Union, Region I Cofcaville ARC Maddela, Quirino, Region II Montilla Est. ARC	No 34 4 42 82 42 42	Bank	_	(();	Merchant		Neighborn
Sappa-ac ARC Bangued, Abra. CAR Talugrog ARC San Juan, La Union, Region I Cofcaville ARC Maddela, Quirno, Region II Montilla Est. ARC	34 42		Coops	000	Traders	Relatives	Friends
Bangued, Abra, CAR Talugtog ARC San Juan, La Union, Region I Cofcaville ARC Maddela, Quirino, Region II Montilla Est. ARC	34 4					,	
Talugrog ARC San Juan, La Union, Region I Cofcaville ARC Maddela, Quirino, Region II Montilla Est. ARC	34 82 82 42					2	
San Juan, La Union, Region I Cofcaville ARC Maddela, Quirino, Region II Montilla Est. ARC	34 82 42						(
Cofcaville ARC Maddeia, Quinno, Region II Montilla Est. ARC	82		01				99
	82						
	+2		36	7	52		
	+2						
		22	2			81	
5. Maulawin ARC				:			
Calauag, Quezon, Region IV 54	36			88	9		22
6. Pagasa ARC							
Tinambac, Camarines Sur							
Region V 54	07		12		8		
Altavas, Aklan, Region VI 66	20	-+	7		10		
8. San Vicente ARC					;		
Trinidad, Bohol, Region VII 18	7.4		ţ		10		
	- :	,					
Hilongos, Levre, Region VIII 56	;;	9	-,		38	7	
10. Silae ARC							
Malaybalay, Bukidnon							
Region X 36	09	1.	2		+	2	
			- "			,	
Asuncion, Davao, Region XI 98							
12. Mat-i ARC							
r, Surigao del							
Sur. Region XIII 70	30	+	-1			01	77
Average 53	39	'n	77		14	3	-+

Source: Farmer's Agro-Socio-Economic Survey, JICA Study Tcam, 1996

Number of Farmers Who availed of Loan, Necessity of Loan, Payment and Resources for Non-payment of Loan by Model Area Table 0.1-5

L		No. of	Total		Necessit	Necessity of Loan	Payment of Loan	of Loan	Reason	Reasons for Non-Payment	ayment
,:	Model Area	Farmers who	Amount	Average					Low	High	
		availed of Loan	of Loan	(Pesos)	Yes	Š.	Yes	No	Income	Interest	Others
<u> </u>	Sappa-ac ARC										
	Bangued, Abra, CAR	ં.	800	700	Ş	<b>C1</b>	۲3	0			
c١	Talugtog ARC										
	San Juan, La Union, Region I	17	29,600	3,505	Q	11	81	0			
<u>(1)</u>	Cofeaville ARC										
	Maddela, Quirino, Region II		243,680	5.943	91	28	33		cı		œ
<u>.</u>	Montilla Est. ARC										
	Balanga, Bataan, Region III	21	237,100	11:290	12	10	22	0			
<u>~</u>	Maulawin ARC		,								
	Calauag, Ouezon, Region IV	51	37,950	2.530	11	8	18	7	1		
<u>نو</u>	Pagasa ARC							_ =: 71			
	Tinambac, Camarines Sur										
	Region V	20	35,395	1,770	90	11	20				
۲.	Abiera Estate										
	Altavas, Aklan, Region VI	9	16,445	1,645	S	+†	Š	-1	C.I		2
99	San Vicente ARC				ocast-si-						
	Trinidad, Bohol, Region VII	34	40,366	1,090	13	25	32	9	~		۲,
ø.	Marangog ARC		:							-	
	Hilongos, Levte, Region VIII	22	48.600	2,557	8	13	22	1			-
<u>0</u>								:			
	Malaybalay, Bukidnon			:					···		
	Region X	30	189,700	6.323	15	15	28	"			m
	11. Kipalili ARC	į				,					
	Asuncion. Davao. Region XI	. 0									
<u>[2</u>					×.				aryess.		
	Sungao City, Sungao del				- T						*****
	Sur. Region XIII	9	91,500	15,250	8	<b>%</b>	13	3	1		
L	Total .	217	1,001,136	52,303	108	135	213	31	6		16
Ļ		36	166.856	8.717	18	23	36	\$	2	0.2	c'i

Source: Farmer's Agro-Socio-Economic Survey, JICA Study Team, 1996

Table O.1-6 Demand and Supply of Selected Agricultural products (Staple Food) by Model Area

		Rice Per Capita				Meat Per Capita		:		Fish Per Capton				Ver Per Capita			
Model Area	Population	Consumption	Requirements Production	Production	Balance	Consumption	Requirement Production		Bahnce	Consumption	Requirement	Preduction	Balance	Contemption	Requirement Production	Production	Balance
		Per Yr. (kg.)	In Ng Ar	(kg.)	(+ oc ·)	Per Yr. (kg.)	In Kg/Vr.	(kg)	(+ OL +)	Per Vr. (kg.)	in KeNr.	(A.C.)	(+04-)	Per Yr. (kg.)	IN KEN'E.	(4.E.)	(+ or .)
1. Supplied ARC																	
Burgued, Abra, CAR.	3.7X	3	11.411	30	(6, 113)	71	1,802	57.7	0,000	5	1, 140	,		•	10.05	Stro, I	301
T. Tabigos ARC										-							. 7 - 1
San Juan, La Union, Region I	270	151	11,580	8,000	(085 1.6)		002,7	, 70%.	(90%)	25	0, 0			2.	0.180	ķ	1.00
3. Cofcaville ARC			-						- 1								
Maddela, Queno, Region II	£	152	11.8%	2,577	1.011.02.	E	4,906	0.163	4,257	13	3,800			Z	8	0	- (0)
4. Monthle Est ARC																	
Balanga, Rutaan, Region III	7.1	140	40.170	•	(10,3,0)	52	- 15, M.	11.80	(3,855)	43	11,053	•		,5,	5	0.1.12	0 38c
S Maulawan ARC		-		:													1
Culating, Cheton, Region IV	102	; ;	1(0)17	13,262	(38,300)	17.	4,074	10.00	1,20,0	e le	40.6			\$1	3.765	Or.	(4.075)
o Pages ARC																	usar.
Tutambes, Camannes Sur					<del></del>												
Region V	313	2.	15.00	94.5	CHAIN		4,605	11811	6.610	15	1.50				5,312	705	(48.64)
7. Absera Estate														<u> </u>			
Airsvar, Aklan Region VI	318	3	1. 1.	1,877	(27.00/8)	0	0.130	13.512	10,332	14	337			·	2,236	,	(2,220)
R. Sun Viscente ARC																	
Thrudad, Bohol, Regon VII	SK.	ដ	14.526	K23	(26,253)	σ	7,50	,000°	1,460	R	099's	•		01	7.5X	325	(4,203)
W. Marangog ARC								:									
Hulongos, Leyte, Region VIII	કુ	101	\$0.00	77	(30,372)	c	1836	8,927	100,	1.1	5 202	•		13	J. Non	•	(99)
10. Suber ARC				<b>-</b>											. =		
Malaybalay, Butadnon					•												
Region N	3;	0,1	33,670	19	(32,134)	01	210,2	6,004	1,773	8	4,600	•		01	93.	•	3.0
11. Krpalik ARC																	
Asuncian, Davac, Region XI	a.	33	10,624	10.551	C0.071	7	200.	6,413	392	9	2,088			-	00(1	O.C.	0,00
12. Mary ARC																	
Sungao Ciry, Sungao del	•																
Sur, Region XIII	763	85.	11,817		(41,817)	οĸ	P. Y	27.73	2,000	72	6.112	•		11	1,803	8	0.7935
Average	3,423	1,521	427,184	70,373	(350,550)	\$12	\$06'35	115,875	196'98	222	62,297		•	202	55,135	\$195	1
Charles Comments to the Comments	ī		F . 02		ĺ.												ı

Source: Farmer's Agro-Socio-Economic Survey, JICA Study Team, 1996

Net Production Value Without-Project: All 12 Model Areas

Table 0.1-7

-	YKC	Clus ler	Prysical	Ž	ALOCACION ARG NEV-*/U	- CLX-X-X
. <u>.</u>		:	Arca	W-0/Project With-Project	#ith-Projec	l Totai
	-		(ha)	(ha)	(ha)	(0000bcsv)
		*				
	.= .	-				4
Car	Sappaac		375	182	8++	529
	Talugiog	2-3	[67	23	**2	620
Ŭ H	Colcaville	2	06+	389	717	1, 819
	Mont i la	_	108	82	129	152,
` }.	Maulawin		321	243	383	453
٨	Pagasa		307	244	677	1, 140:
۹۱ ا	Upiera Estate	e->	289	28-	296	38.
VII Sa	San Vincente		456	967	+67	21.7
. 1117	Marangog		330	<del>†</del> 1.2	338	157
×	Silac	- 	<b>†9</b> 1	150	239	324
<b>.</b>	Kipalili	e-3	327	212	335	156
X111	Mat-i	   	90 <i>2</i>	:30	205	95

Table O.1-8 Net Production Value With-Project: All 12 Model Areas

2 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	ri praduciii	- A I R. CO	The Projects	A. L. L.	tope. Afr.		-						-				The second secon			-				Pro				
XrX ion	AKC Prod	Arre		۶	Production	, a .	000	410)		a ancaderación	بهبه بينمانه منه		-	-	re brandadard				L	feeder - region of real of		7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			i -			
	,	ha) Yes					,				8	9	10	-	1		14	3	16		18	-61	20	7.	F4	5	7.	
All Crops		06	969	15, 142	23, 976	32, 40	36, 15	5 39 3	85	4	7.407	47, 700	52, 829	54.176	55, 379	36	-	85 371		69,674	11-	<u>"</u>	53.009	52, 921	52, 921	52, 971	_	25.50
25	Openic .	¥+1	*0	2	. 039	, ±	, . 			Ė	2		6,340	90.9	1		ĺ	13, 103	=	164		1	, o.		<u>,</u>	19.	. :	3 13
ڠ	WKIDK	4.4	.63-	280		2	Ž			¥.	386		4.00	. 130	•		1	35	ľ	4.339	:		7	100	7.	* 12		4
5	Cofenyille	1	×.	619	A 734	\$		9	909	2	4,414	6, 9	3, 102	2,102	9.	65. 4	6,359	17 330	12,816	12, 707	y61 y	4(4.4	6, 4196	6, 498	6.96	6, 496	6. 496	62. 6
lo,	Hells.	8		197	593	8	2	٥		1.3	, E		078	īg.		-		3.97		1,139			36	1.04	1.44	. 24.		£ 149
1	. Bein	18.3	ž	. 37	1.362	5	2	- -	16	22	3.956		5, 469	5. 18	ľ	,	-	¥ ::	Ξ	¥ ¥ ¥	ė .	į		2.53	5, 757	282		3.3
-	11.634	649	×	1, 635	2, 319	7	.,	3.5	4	019	÷ 015	¥.00	4.449	4, 49	*			8		906			4, 0.10	4, 0.0	• 010 •	0.0		195
. Vi	Felati	96	7	. 05	5.0	+	<u>ج</u> د د	5 1.0	3	(NA	3.13	3,333	4, 0%¢	202 *	7	ľ	Ì	4.8.4		4,658			4, 126	4 175	4	F. 148		3
, uev	HEFRIC	,	1. 39x	. 46%	, 0°, 4°		٠	. F.	•	304	5, 953	40.06	6, 443	6, 530	~	Ī		3		349			*	5, 543	5.545	575		1.15
=	, вижик	1.1.5	686-	:0: 1		1.	. i	3.4	"	984	4, 308	161 +	¥.	4	*	Ţ		5, 540		5, 37.9			4, 734	##. **	- C.	Ž.	. ,	40.4
	181	3.19	33	ž.	96x	Ξ,	-	· ·	-	.65	1 467	<del>1</del>	733	2, 534				9	ĺ	100			. 96	e i	1. 567	. 66.1		4 968
IN IN	and a land	335	-63	- 196	4		£.	4 .		76	4, 249	4, 450	+, 620	4, 55	1	Ī		5. 451		0.1			+ 691	1.491	165.4	1.44.4		5.3
7	- T-19	ş	-549	2	<b>1</b>		Ξ,			7.7	115		4.4	7, 904	• 1			3,40		E			2, 669	4.869	1,569	×92	. :	 **
Livestock and	Oiler C	ate.	٠	9 1	12, 919	3	2	7	3	S	0.817	.÷	₽ - ¥	43,631	Ŧ	7	•	1	7	£, 063	: -	•	1	43, 631	36, 821	46,065		2
Car	phase		,	¢	10	Ž.		6 2,5	١	KBA	2.025	3, 006	6.8	15.	, s i			36.		5, NOS			216	e i	455	5.834 11.834		3, 966
, <u>.</u>	<b>BKIRK</b>		-	7	- F15		-	ĵ.	141	33	60.	3 193		3, 03	•			Z		3,235	-		3 746	A 0.34	2.543	A. 401		3 493
בו בו	THY I'V		0	ş	6:9	ž	۳.	Υ,		3.3	.09	3, 493		3,03	•			5		3, 235	: 1		¥.		2, 543	3, 404		3, 493
و	M11.68	-	<b>a</b>		. 0	÷	<b>€</b>	ç		308	2, 655 2, 655	3,066	914,5	15.			i	. 96		, v0k			1,819	e e	158	1,3,7		3,666
٥	W Bee 1 h	-	e	ę	- 0	, 21	4	9	1	X0X	3, 625	3,066	5 Z	1,35	•	1		96		X0X			÷ .		454	*		99
	We's		6	-13	619	*	3,49	×	683	335	S	3,493	3,146	3, 0,31	'n			3		333			3, 745	3,051	1,543	3 40		3, 493
The shirt	J. Cotton	ا ا	4	4	•	38.	7		.00	198	3.607	1,016	3.756	3.415	(٢٠)			<b>‡</b>	1	97.			3 36	2,815.	3,435	5.6		1 015
, us. 11.	Hermit	-	= , = ,	61	ī	386	4	5	5	758	3, 607	4.014	3,756	3, 815				3	٠,	3, 758			3.	3, 513	3, 435	6.4	. ,	* n
	Casana		c	6		¥.	ē.	6.3	60	ę.	3, 502	910	3, 16	3,515	-			14.		50.			3, 366	2	3, 135	6.5		4 914
_	5		9	<u>ه</u>	XX.5	-	2	5		6+1	6, 806	0.0		6	**			1	Ī	541			<u>-</u>	161	6, 540	312		1
71. Kur	391116		c	î	÷	1.	ō	y	£ 60	.5.	3, 602	910.+	3, 756	3, 315	-			3.		3.75.8		:	30.	, 8 B	3, 135	3.9.5		4.00.4
= = = = = = = = = = = = = = = = = = = =			e .	÷	;;; ;;;	£.	Ξ, Τ.	)	F .	758	3, 602	4, 016	, .	3,815	<del>ر</del> ة ا	,		34.		3, 758		:	3.76	. N. K.	3.5	3.92		4.015
	1													************					********	*******	1 - B - B - B							Ž

Table O.1-9										
	).1-9	Project	Project Development and Annual O	ent and A	o lenua	& M Costs	sts			
Region	ARC	(ha)	Year 1	2	ę	サ	5	9	Total	O&M
Car	Sappaac	87.7	2,962	14, 806	25, 039	1. 972	1, 973:	1 972	48, 724	30
	Talugtog	5+4	2, 195	10, 716	18, 145	1, 552	1, 545	1, 524	35, 687	35
	Cofcaville	717	3, 138.	14, 626	28, 205	2,016	2, 017	2, 017		99
ij	Montilla	1.79	1.957	9.557	16, 184	1, 384	1, 378,	1, 369;		62
2	Maulawin	383	2, 308	11, 271	19, 086	1, 633	1, 625	1.614	37, 537	375
7	Pagasa	6++	2, 979.	++6 +1	24, 628	2, 107	2, 097	2, 083	48, 438	SŦ
ÎΛ	Abiera	362	3,007	14, 682	24, 861	2, 127	2, 117.	2, 102	48, 896	oc -+
V.1.1	San Vincente	195	2.898	14, 153	23, 965	2, 050.	2, 041	2, 027	47, 134.	**
V! I I	Marangog	338	3, 361	17,446	53	2, 071	2.072	2.072	56, 211:	37
<b>&gt;</b> <	Silac	239	1, 996	9, 378	14, 043	1, 730	1, 731	1. 731	30, 609	36
×	Kipalili	335	2, 786	13, 602	23, 033	1, 970	1961	1.9+8	45, 300	100
X111	Mat-i	205	738;	3, 605	6, 104	522	520	916	12, 005	12
Total		4, 250	30, 325	148, 386	148, 386, 252, 482	21, 134	21, 077	20, 985	494, 389	4, 799

7, 127 3, 493 10, 220 6,20 9, 660 6, 761 13, 713 2, 819 3, 066 529 9, 051 16, 250 305 3.5 4.483 2 2 2 3 4 10 4 6 10 6 8 10 8 8 357 4 5, 477 6, 276 6, 530 6, 445 6, 444 6, 390 7, 102 7, 302 6, 339 6, 339 1, 770 (2, 816 112, 702 6, 496 6, 496 13, 702 1, 3493 1, 491 1, 3493 1, 491 1, 3493 1, 491 1, 3493 1, 491 1, 3493 1, 3493 1, 491 1, 3493 1, 491 1, 3493 1, 491 1, 3493 1, 491 1, 3493 . 309 159 2 7, 146 6X3 13, 133 13, 175 244 197 800 1 272 1, 887 2, 139 2, 164 2, 186 2, 186 2, 178 2, 420 2, 442 2, 187 2, 167 2, 167 4, 822 4, 888 2 1 187 2, 167 2, 167 2, 188 2 1 187 2, 167 2, 167 2, 168 2, 188 2 1 187 2, 168 2, 188 2 1 187 2, 188 2 1 187 2, 188 2 1 13,313, 13, 629 T Financial Analysis: Cofcaville ARC: Region-II Financial Analysis: Talugtog ARC: Region-I Net Production Value ( 600) prival Net Production Value, ( 000 perol -6, 220, -14, 535 -25, 356 ash Flow less project costs. 5.5 NPV-VO Cash Piov Less project costs Project threstment Annual D&N Crop Benel 11 Livestock & Others Hens Table 0.1-11 Table 0.1-12 rop Nepelst anancial cashilmy MERSACIAL CASPI INV (cs.) Lives (nek, 4, Others, NPV-w) th

'n.

Financial Analysis: Sappaac ARC Region-CAR

Table 0.1-10

20 SKS

Table O.1-13 Financial Analysis: Montilla ARC: Region-III

table of the productor Analysis. MONTILLA AKE, REPIRE II	9 751 160	11.LA AX	Halfay 1	=.	•		-	1					-	•				-					****	ar budder		-
liene free free Area Ar Production Valor (fin)	Prod Area (ha) Year I	(ea) ]	14 T	nduciian 3	Value C	Not Production Value (1000 pexe)			×		01	:=::	걸	2	<u>*</u>	- 5 <u>-</u>	£	· .	<u>*</u>		ន	-	7.7	5).	7.	, KI
Crop Report 11 Livestock & Others Marwell b NYW-WITH NYW-WITH Cash Plans from project costs Project investment.	<u> </u>	23.55		25.52 2.52 2.52 2.52 2.53 3.33 3.33 3.33	20 M C C C C C C C C C C C C C C C C C C		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.51 5. 2.52 5. 3.52 5.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			1.1.	20 24 4 3 3 4 2 3 3 3 3 3 3 3 3 3 3 3 3 3		33 K36 56 555 6 503 21 K37	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	825 825 825 825 825 825 825 825 825 825		112.4 4 422.4 4 142.23.6 2 123.23 2 133.23 2 133	3, 396 3, 366 1,52 4, 310	න න ක් වැන ක න ක ක් වැන ක න ක ක ක ක ක ක ක ක ක ක ක	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 4 4 8 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8	는 1 년 년 1 년 1 년 1 년	11 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2, 96.9 7, 96.6 152 2, 152 3, 36.3 3, 36.3
HARMAN UMN Franchist Cashilow		7, 310	57.9	486 486 1	1. XE9	145	14.5	3, 546	3,485	¥=	4 189	4 7 X	1. 1.	4, 405		6.469	3,993	4, 197	4 304	1.597	4. 30N	4 134	3, 936	4. 452	1,236	2.5 2.5 2.5 3.5 3.5
MPW, 154	4 K 8					• 🕴											+ +	· · · · ·	. : *	- 1 .	2	·· : :		:		
Table 0.1-14		Finar	cal /	Analy	sis:	Financial Analysis: Maulawin AR	ıwın		Regi	C: Region-IV																
<b>10</b> 21	Prod. Arra Year 1 2	(rar i	. Ye. P.	nduct ton	yalue (	Net Production Value (1000 peso)		. 1-	*	æ	0_	=		:	=	<u>-</u>	£	: <u>:-</u>	<u>×</u>	<i>3</i> .	2.0	53	1,2	55	**	¥5
Crop Benefitt Livestack & Others Niveryta Niveryta Cash Bine less project casts Project interstately	1987 1987	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 339 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1 4 2 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2	6.01 4 4 - 1 25.02 4 5 - 1 25.02 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4.019 2.511 4.530 4.53 5.073 5.614 5.75	4,6,4, 6, 0.00 X 4,6,6 0.00 X 4,6,6,4,6,4,6,4,6,4,6,4,6,4,6,4,6,4,6,4	6. 175 6. 628 6. 175 8. 175 8. 175			4.438 7.115 6.453 7.42				8, 030 10, 993 453 10, 540	7, 95K 2, 511 10, 469 10, 018	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4.8.6. 4. 20.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	4 050 2 065 2 065 6 683 6 683 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	4 4 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		95.00 95.44 95.53 35.1	전 1 년 1 년 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11, 139 3, 066 14, 865 3, 355 3, 355
Fight by No. 15.	19%	195 17	-9.766 -(5.410	15.410	95	26g	4 0#X	N, 939	.v. x00	e ex-	6, 440	6, 367	į	6.130	C. 63.	10 T F F F F F F F F F F F F F F F F F F	9 541	6, 050	50 S	6. 30k	ń. Đối	5, 999	5, 700	6.216	14, 35%	13, 977
Table 0.1-15	÷ :	Finar	icial /	Analy	sis: I	Financial Analysis: Pag-Asa ARC:	saAJ		Region-V	>-							1 . 1				- :					
5867	Prod, Area (ha) Year 1 2	rar 1	N 17	3 3	Value (*	Net Production Value (* 000 pexol	,	ļ	×-	6	10	1-1		13	- 41	- + -	91	12	i _ <u>≃</u> ;	- - - -	02	=======================================	:	s	*	ន
Crap Meritis Liveninck & Dihers NPV-with NPV-with Cash Flow less project casts	383	24. 0 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	8 1.371 0 1.356 3 483 7 903	1, 762 1, 619 1, 382 453 2, 929	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7, 053 7, 493 8, 545 453 6, 092	30 40 40 40 40	2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3, 956 6, 568 8, 853 8, 112 7	2, 2, 2, 2, 2	5, 469 5, 740 3, 246 3, 031 8, 715 8, 772 4,53 8, 453 8, 262 8, 319	5, 740 6,028 (6 3,031 2,988 5 8,772 9,016 13 453 453 2, 8,319 8,863		3, 650 3, 401 9, 051 7, 583	1 402 3, 246 14, 648 453 14, 195	11. 816 2.047 14. 863 4. 4.10	11, 754 2, 863 14, 616 14, 163	9, 418 9, 238 453 199	4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 4 8 8 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5, N23 3, 246 9, 069 4,53 8, 616	5, 787 3, 031 8, 819 8, 366 8, 366	7. 7.87 7. 3.83 7. 4.53 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	5, 787 3, 401 9, 188 8, 135	5, 787 3, 296 9, 033 7, 580	11, 739 3, 443 15, 231 453 14, 778
Propret investment Angust OCA Fianancial cashflow		2.3 2.3 3.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	24, 628 2, 107 484 484 484 484 4891	0 <b>3</b> 5	2, 097 4 K4	e,3 e	4x4 x 5, 800	5, 18	484 7, DSO	1, 77X	484 7, 835	484 8_079	484 X, 114	3, 11	484 13, 926	484 13, 679	484 8, 715	4.74 8.301	484 8, 489	× × ×	484	484 7, 793	48. 18.	4%4 % 096	4X4 14. 394
PINK	158	3		the same of the sa		j ·			!		i	- <del></del>					i			i	 -	-		÷ ÷		

4, 146 7, 094 3, 766 4, 016 7, 912 11, 061 138 138 7, 774 10, 923 Financial Analysis: San Vincent ARC: Region-VII Financial Analysis: Marangog ARC: Region-VIII Net Production Value (C000 pesos Cash Flow less project costs. Project investment Table 0.1-17 Table 0.1-18 VID. ( Crop Benefit angueral cashilow

Financial Analysis: Abiela ARC: Region-VI

Table 0.1-16

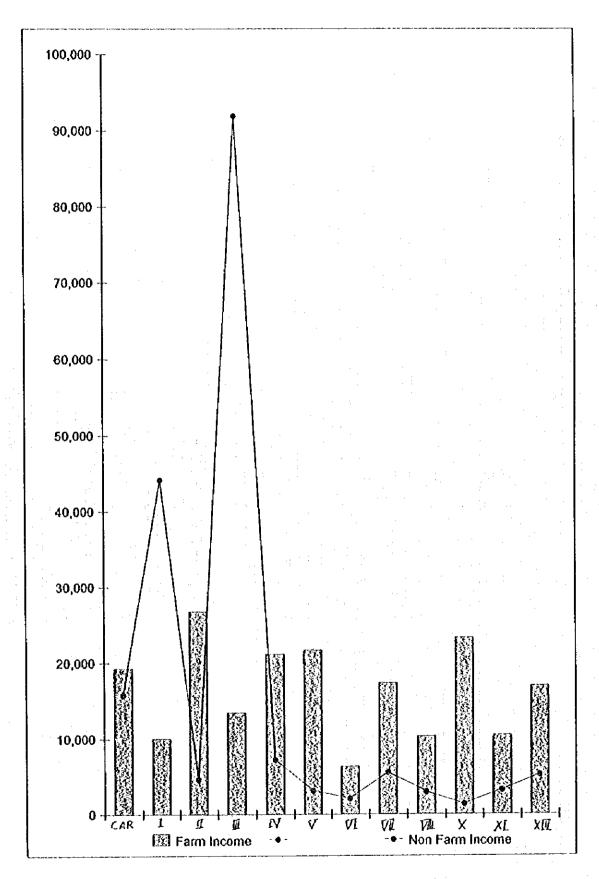
6.2

3.0

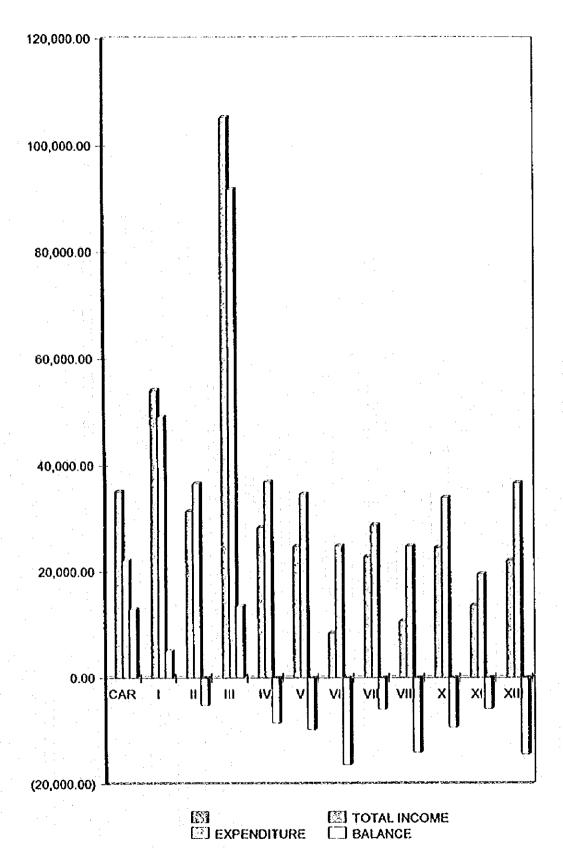
Table O.1-19 Financial Analysis: Silae ARC: Region-X

11085	Prod Area		12	roduction	'aiut	Net Production Value (1000 pesch)	-		-	1			1					1		*				:	
	that Year 1	Year 1	e,	æ	•		æ	e - ;	×	6	0.	=	•	5.	•	1.5	91		~ ×	19 2	20			; ·	
(Crop Benefit) 2.59 (20 7:3 94) (-42) (-566 1,723 1,855 [1,12] [1,149] (1,149]	239	202	61	28. 28.	5. 54	407	5 937	7, KS7 7, [49	1, 967 6, 806	7 407	7.13	15. 15. 16.	2, 746 6, 889	2.5 3.5 3.5 3.5 5.5 5.5 5.5 5.5 5.5 5.5 5	7, 632	1.90	3, 728 6, 932	7. 149	7 055 7.	97	7, 147	2 662 7 191	6, 640	2, 662 2, 2, 7, 31.5 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	2, 562 7, 147 7, 247
		2 z	<b>3</b> 1	- 85 E	** *** *** ***	9,073	324	2. 00. 1.	×	- 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	y, 469		. 635 33	: .	374		ij.			1	3	:		. 4	
th Plow less project	COS(s	5	3.0	1 632	9 C	3 . X	Ā: ×-	8, fx2	6√+ ×	9 077	9, 145		9.311	9, 604	10, 455	. 1			: .					53	485 14
Just DEN	t	368	35	3.95 6	368		36.8	89	74K	368	36×	368	368	348	368	368	3.68	368		136.	368	368	368	¥9	368
mencial cashing	#	*55.	-3 376	1.	6, 146	6.6.0	2.	*.	× 0%	,02 ×	; ;	- 033	x 23	9, 236	0.087	10.369	5, 96X	24X	9.01	13	i	× 791	9 910	282	9,117
F13K = 15. 200	268 87	e de la company						***			* * * * * * * * * * * * * * * * * * * *		-					::	; <u>;</u> ; ;		: :		÷	· ! ; -	<b>:</b>
A					: :	† · • -	 				1-				İ						: : : ::			· · · · · · · · · · · · · · · · · · ·	• . 
Table 0.1-20	20	Fina	ncial	Ana	lysis:	Financial Analysis: Kipalili ARC:	bli A	. • •	Region-XI	in-Xi					1 7 7		: : :		۱۱ پیشد م ۱۲	1				: 1	
Stems Fred Area Net Production Value (100 person	Prod. Afra	Year I	7.	rnduct jor	Value 4	7.000 pess		1	*	6	0.1	=	1	=	·	15	9	-	1 x	1.9	8	1			
p Benefit	33.5	-931	1.196	365	5	556.7	3,466		4. 2kg	4,450	4, 120	\$ 2	1 IN 1	1, ;	4.654	41 .	1: 1	1	1		į	ļ		1	į.
stock & Others		0 0	2. 1. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	3, 06,	9 S S	A 62.2	7.174	7, 794	20 X	× 10.5	8, 387 8, 387	2 0 2 0 2 0	X X XX	6 30 6 56 6 66		2. 2. 2. 4.0. 2. 4.0.	9, 766 9, 240	1	3 673 X 366 X	1				1	
0/4	!	136	Æ	¥.	<u></u>	156	156	38	156	. 24	¥5.	- 28	951	198	.56	٠.		138		951	<u>3</u> 2	95		35	951
h Plow Jess project	1,000	-1, 087 2, 786	1.0.1	23 933	95.6	6,819 168	 25.	7,550	7.7.5	× 31	- E	414	x 170	8, 423	24.4	¥ 248	× 0%	C 873	- i -	1					. :
Annuar (Day Frantancial cashillow 4,617 7,097		5 A	13,034	575	3, 936	453	45.1	7, 09,		7. 2.8	7.77x	7,961	1.5 1.7	7, 970	3118	4.53 795	55.5	420	, 45. 25.	689	4.53 3.849	5.53	2 E	65.3 1007	453
FIRK *	152																				***************************************		1		
(50	27				+-+		1		1 1 1				W 1. 4 5		+ + +								•		
Table 0.1-21	ដុ	Fin	ancia	IAn	llysis	Financial Analysis: Mat-iARC: R	-iAR		egion-XIII	X							***************************************			· · · · · · · · · · · · · · · · · · ·		1		+	
(148)	Prod Area	Prod Area Net Production Value (1000 page)	10,	roduction	Value	000 000			1		4.	<u> -</u>	<u>.</u>	-	(										
-   1	(ha)	Year !			4	8	5 6 7	7	×	6	10	-1)  -1	1.2	13	*	15	16	7.	×	6	2 02	**			
Crep Benetit Livestock & Dibers NPV-with	i	000	0 0 00	388	0 EX.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XX .	2 × ×	9.1	2,008	1, 883	0 88	1.754 1.754	0 0 4 1962 4 1.962	(XX3   57	.0.23	1 MR3	0T 1879:	(K77 K37	2008 2 008	1 x x 3	1,002	8 X X	.0 1961 1961	0 0 XX3 200S XX3 200S
-w/o	•	95 - 95	2, S	5. g	5 8	98.	95	4.5	\$ 8	95	9.00 10.00	812	56 -	1. 367		100.1	28.5	786	24.5		1 .	25.5	5 E	55	287 - Su
Project nyestment Annual OZN		33, 7, 60 130	100	5 E	អ្ន	0.5 1.5		02	9.	1.00	9.	o.i	06.1	20	j   g	130	92	0.1	8.			07.1	120	5.0	
Fignancial cashilow	1	-983		9 - 5 933	1 46.	1,273	1, (2,1	1, 664	1, 586	1,793	1,664	. 69."	1,579	1,747	568	1,757	890	1,604	622	, y	, 668	692	503	747	668
13 ·	ž,		-				-	-					-								-				1.
-	1																				-				

FIGURE 0.1-1 FARM AND NON-FARM INCOME PER HOUSEHOLD BY REGION

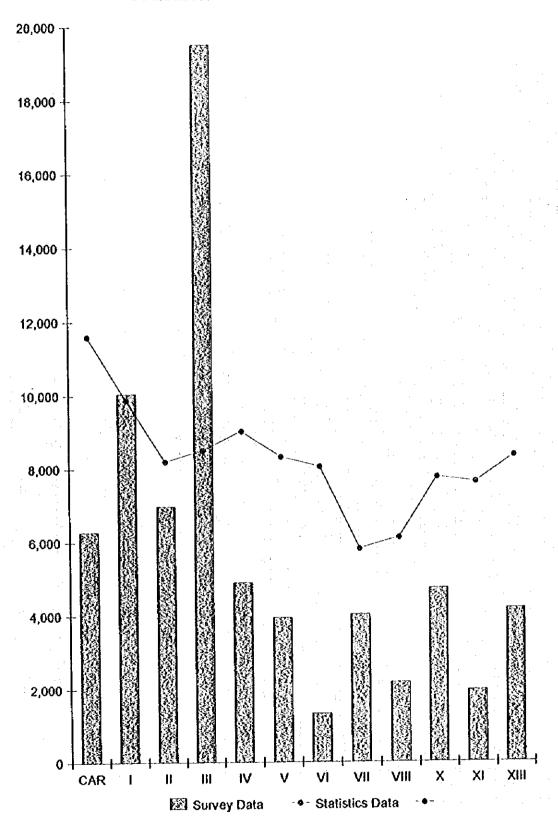


(Source: Result from Selected Sample Survey)



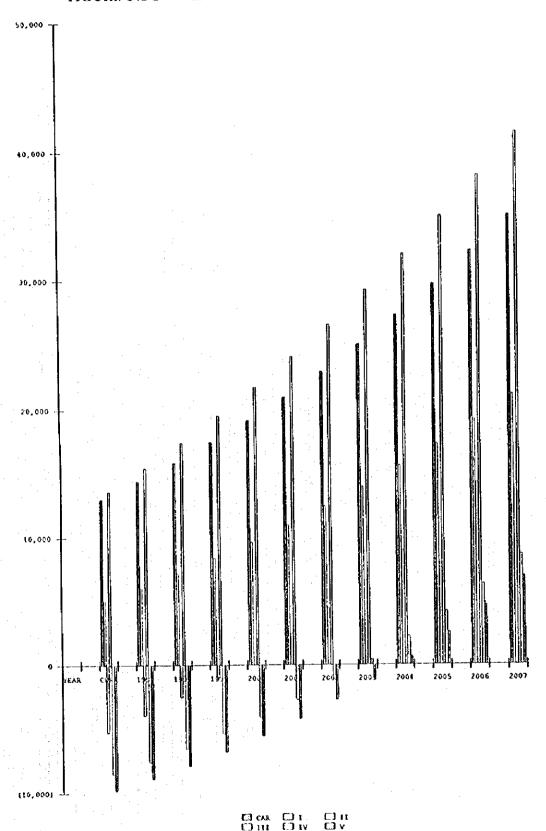
-(Source; Result from Selected Sample Survey)

FIGURE 0.1-3 COMPARISON WITH ANNUAL PER CAPITA POVERTY THRESHOLD BY REGION



(Source: Result from Selected Sample Survey & "Poverty Statistics", N. S. C. B., Nov. 1995)

FIGURE 0.1-4 TARGET OF FARM BALANCE



(Source: Result from Selected Sample Survey Formulation)

Table O.2-1 Financial Model for Irrigation Dry-Season Paddy Production (Paddy 3) at Sappaac (One Hectare)

			3	YEAR 3		5
LABOUR REQUIREMENT (man-	dna dna					
	• • • • • • • • • • • • • • • • • • • •	3	3	3	3	3
Seedbed preparation/care of se	eaing	18	18	18	18	18
2 Plovángíharrováng/tevellára		28	28	28	28	28
3 Transplanting			12	12	12	12
4. Weeding		12			3	
5. Fertifizing		3	3	3		3
6. Spraying		3	3	3	3]	3
7. Water management/drainage		4	.41	4	.:1	
8 Harvesting/treshing/hauling		24	24	24	24	24
9 Drying/bagging/stocking		3	. 3]	3	3	3
Totat n	nad	22	22	22	72	22
Total n	nd.	76	76	76	76	. 78
		%	Recurrent			
INVESTMENT (peso)	•	Recurrent	Cost	Peso		
1. Capital Costs (20% Recurrent)	:	0.20	15,545	3,109 3,109		
. RECURRENT COSTS		<sub>-</sub>				
Quantity			1			
Seed		50	50	50	50	50
Urea (kg)		100	100	100	100}	100
14-14-14 (0:2)	( ) ( )	150	150	150	1503	150
Zinc Phosphate (kg)		15	15	15	15	15
		) ji	ĭ	1	ો	
Sasudin 400EC (ltr)	100	34	34	34	34	34
Furadan 3G (kg)		34	2	2	2	,
2-4D Amine AC (ltr)		1	1	"]	1	
Prices (peso/unit)	•				ŀ	. 1
Seed	8 50	l l	. [	1	i	
Orea (kg)	7 80	[	. [	1		
14-14-14	6.85	[ ]	Į.		J	
Zinc Phosphate (kg)	6 67	I			1	
Basudin 400EC (itr)	280.41	1			1	
Furadan 3G (kg)	60 09		: 1		1	
2-4D Amine AC (itr)	468 88	1 1	j			*
2-40 Millio AC (III)	100 00	1 1	- 1	- 1		- 1
Manage freedmadimed		1 1		i		
Wages (peso/mad/md) Hired labor/mad	140 00			· 1	·	
		1 1			`	
Hired fabor/md	70 00			1		
Hired treshing machine	0.05	of produce va	3*UB	1	· I	
		] !	· 1	. 1	5	
Costs (peso)		Il		ا۔۔		
Seed		125	425	425	425	42
Urea		780	780	780	780	78
14-14-14	3	1,028	1,028	1,028	1,028	1,02
Zinc Phosphate		100	100	100	100	10
Basedin 400EC		280	280	280	280	28
Furadan 3G	:	2,043	2.043	2,043	2.043	2.04
2-40 Amine AC		934	934	934	934	93
		8,400	8,400	8,400	8,400	8,40
Labor		1,485	1,620	1,710	1,845	1.98
Hired Treshing Machine		15,050	15,185	15 275	15, 610	15,54
Total Recurrent Costs		1	13,165	15,270		
RETURNS		mari				
Production (tor/ha)		3 3	36]	3.8	4.1] .	4.
Revenue(peso) at	9 000 Peso/lon	29,700	32,400	34,200	36,900	39.60
	1.4	1	1			
Cash Flow Projections						
inflow			22.420	24 200	36,900	39.60
Sales		29,700	32,400	31,200	30,900	29.00
Farmer Contribution	1	1	<u></u>			
(Haif of labor costs)		4,200	4,200	4,200	4,200	4,20
Loan		1	<b> </b>	1		
		3,109				
- investment			_1	ا		
		15,050	0		0	
- Investment - Working capital			0 36,600	0 38,400	41,100	43,80
- Investment - Working capital  Outflow		15,050 52,059		0 38,400	41,100	43,80
- Investment - Working capital  Outhow Investment		15,050 52,059 3,109	36,600			
- Investment - Working capital Outflow		15,050 52,059 3,109 15,060	36,600 15,185	15,275	15,410	15,64
- Investment - Working capital  Outhow Investment		15,050 52,059 3,109	36,600			15,64
- Investment - Working capital  Outhow Investment Recurrent costs		15,050 52,059 3,109 15,060 18,159	36,600 15,185 15,185	15,275 15,275	15,410 15,410	15,54 15,54
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt		15,050 52,059 3,109 15,050 18,159 33,900	36,600 15,185 15,185 21,415	15,275 15,275 23,125	15,410 15,410 25,690	15,54 15,54 28,25
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding		15,050 52,059 3,109 15,050 18,159 33,900 18,159	36,600 15,185 15,185 21,415 14,527	15,275 15,275 23,125 10,895	15,410 15,410 25,690 7,263	15,54 15,54 28,25 3,63
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt	02	15,050 52,059 3,109 15,050 18,159 33,900	36,600 15,185 15,185 21,415	15,275 15,275 23,125	15,410 15,410 25,690	15,54 15,54 28,25 3,63
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Debt eachice	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632	36,600 15,185 15,185 21,415 14,527 2,906	15,275 15,275 23,125 10,895 2,179	15,410 15,410 25,690 7,263 1,453	15,54 15,54 28,25 3,63 72
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 %	02	15,050 52,059 3,109 15,050 18,159 33,900 18,159	36,600 15,185 15,185 21,415 14,527	15,275 15,275 23,125 10,895 2,179 2,179	15,410 15,410 25,690 7,263 1,453	15,54 15,54 28,25 3,63 72
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Debt eachice	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632	36,600 15,185 15,185 21,415 14,527 2,906	15,275 15,275 23,125 10,895 2,179	15,410 15,410 25,690 7,263 1,453	15,54 15,54 28,25 3,63 72
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt toan outstanding Interest due at 20 % Oebt searce Interest	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632 3,632	36,600 15,185 15,185 21,415 14,527 2,906	15,275 15,275 23,125 10,895 2,179 2,179	15,410 15,410 25,690 7,263 1,453	15,54 15,54 28,25 3,63 72
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 %  Debt earning Interest Repayment	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632 3,632	36,600 15,185 15,185 21,415 14,527 2,906	15,275 15,275 23,125 10,895 2,179 2,179	15,410 15,410 25,690 7,263 1,453	15,54 15,54 28,25 3,63 72
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oebt eenfoe Interest Repayment (Yrs amortized 5)	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632 3,632 3,632	36,600 15,185 15,185 21,415 14,527 2,906	15,275 15,275 23,125 10,895 2,179 2,179	15,410 15,410 25,690 7,263 1,453	15,54 15,54 28,25 3,63 72 72 3,63
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oett earnice Interest Repayment (Yrs amortized 5)  Net income after debt service	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632 3,632 3,632 26,637	36,600 15,185 15,185 21,415 14,527 2,905 2,905 3,632	15,275 15,275 23,125 10,895 2,179 2,179 3,632	15,410 15,410 25,690 7,263 1,453 1,453 3,632	15,54 15,54 28,25 3,63 72 3,63 23,88
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oebt service Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income	02	15,650 52,059 3,109 15,050 18,159 3,990 18,159 3,632 3,632 26,637 26,637	36,600 15,185 15,185 21,415 14,522 2,905 2,905 3,632 14,878 41,515	15,275 15,275 23,125 10,855 2,179 2,179 3,632 17,315 58,829	15,410 15,410 25,690 7,263 1,453 1,453 3,632 20,606 62,121	15,54 15,54 28,25 3,63 72 72 3,63 23,88
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oebt sendes Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632 3,632 26,637 26,637 38	36,600 15,185 15,185 21,415 14,522 2,905 3,632 14,878 41,515 38	15,275 16,275 23,125 10,895 2,179 2,179 3,632 17,315 58,829 38	15,410 15,410 25,690 7,263 1,453 1,453 3,632 20,606 62,121 38	15,54 15,54 28,25 3,65 77, 3,65 23,85 82,75
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt toan outstanding Interest due at 20 % Oett earnice Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays	02	15,650 52,059 3,109 15,050 18,159 3,632 3,632 3,632 26,637 26,637 38	36,600 15,185 15,185 21,415 14,527 2,906 3,632 14,878 41,515 38 75	15,275 15,275 23,125 10,855 2,179 3,632 17,315 58,829 38	15,410 15,410 25,690 7,263 1,453 3,632 20,606 62,121 38 152	15,54 15,54 28,22 3,63 77 3,63 23,84 82,77
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before detal toan outstanding Interest due at 20 % Oett eardes Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor	02	15,650 52,059 3,109 15,050 18,159 33,900 18,159 3,632 3,632 26,637 26,637 38	36,600 15,185 15,185 21,415 14,527 2,906 3,632 14,878 41,515 38 75	15,275 16,275 23,125 10,895 2,179 2,179 3,632 17,315 58,829 38	15,410 15,410 25,690 7,263 1,453 1,453 3,632 20,606 62,121 38	15,54 15,54 15,55 28,25 3,63 7,7 3,63 23,88 22,88 82,77
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oebt secrice Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday	02	15,650 52,059 3,109 15,050 18,159 3,632 3,632 3,632 26,637 26,637 38	36,600 15,185 15,185 21,415 14,527 2,906 3,632 14,878 41,515 38 75	15,275 15,275 23,125 10,855 2,179 3,632 17,315 58,829 38	15,410 15,410 25,690 7,263 1,453 3,632 20,606 62,121 38 152	15,54 15,54 15,55 28,25 3,63 72 3,63 23,88 82,72
- Investment - Working capital  Outhow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oebt service Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net refurn/manday  Financial analysis	02	15,650 52,059 3,109 15,050 18,159 3,632 3,632 3,632 26,637 26,637 38 38 701	36,600 15,185 15,185 21,415 14,527 2,906 3,632 14,878 41,515 38 75 546	15,275 15,275 23,125 10,895 2,179 3,632 17,315 58,829 38 114 516	15,410 15,410 25,690 7,263 1,453 3,632 20,606 62,121 38 152 409	15,54 15,54 28,25 3,63 77 3,63 23,85 82,77
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt toen outstanding Interest due at 20 % Oobt earnies Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor Cumulative metadys Average net return/manday  Financial analysis Revenue from sales	02	15,650 52,059 3,109 15,050 18,159 3,632 3,632 3,632 26,637 26,637 38 38 701	36,600 15,185 15,185 21,415 14,527 2,905 2,905 3,632 14,878 41,515 38 75 546	15,275 15,275 23,125 10,855 2,179 3,632 17,315 58,829 38 114 516	15,410 15,410 25,690 7,263 1,453 3,632 20,606 62,121 38 152 409	15,54 15,54 15,54 28,25 3,63 72 72 3,63 23,88 62,72 3 19 43
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due at 20 % Oebt service Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday  Financial analysis Revenue from sales Cash outflow	02	15,650 52,059 3,109 15,050 18,159 3,632 3,632 3,632 26,637 26,637 26,637 26,700 18,159	36,600 15,185 15,185 21,415 14,527 2,905 2,905 3,632 14,878 41,515 38 78 546 32,400 15,185	15,275 15,275 23,125 10,855 2,179 2,179 3,632 17,315 58,829 38 114 516	15,410 15,410 25,690 7,263 1,453 3,632 20,606 62,121 38 152 409	15,54 15,54 28,25 3,63 72 72 3,63 23,88 62,72 3 19 43
- Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt toen outstanding Interest due at 20 % Oobt earnies Interest Repayment (Yrs amortized 5)  Net income after debt service Cumulative net income Mandays of family labor Cumulative metadys Average net return/manday  Financial analysis Revenue from sales	02	15,650 52,059 3,109 15,050 18,159 3,632 3,632 3,632 26,637 26,637 38 38 701	36,600 15,185 15,185 21,415 14,527 2,905 2,905 3,632 14,878 41,515 38 78 546 32,400 15,185	15,275 15,275 23,125 10,855 2,179 3,632 17,315 58,829 38 114 516	15,410 15,410 25,690 7,263 1,453 3,632 20,606 62,121 38 152 409	15,54 15,54 28,25 3,63 72 72 3,63 20,88 82,72 3

Table 0.2-2 Financial Model for Rainfed Paddy (Paddy-5) Production at Sappaac (One Hectare)

LABOUR REQUIREMENT (man-day)  1. Seedbed preparation/care of seedling  2. Plowing/harrowing/tevelling  3. Transplanting  4. Weeding  5. Fentilizing  6. Spraying  7. Water management/drainage  8. Harvesting/teshing/hauting  9. Onying/bagging/stocking  Total med	3 18 28 12 3 3	3 18 28 12	3 18 28	3 18 28	3 18
2 Plewing/harroving/terelling 3 Transplanting 4 Weeding 5 Fentitizing 6 Spraying 7 Water management/drainage 8 Harvesting/tieshing/hautling 9 Orying/bagging/stocking	18 28 12 3	18 28	18	18	
3 Transplanting 4 Weeding 5 Fertilizing 6 Spraying 7 Water management/drainage 8 Harvesting/tieshing/tieutling 9 Orying/tagsjing/stocking	28 12 3	28			10
4. Weeding 5. Fertilizing 6. Spraying 7. Water management/drainage 8. Harvesting/tieshing/hautling 9. Orying/bagging/stocking	12		201		28
5. Fertifizing 6. Spraying 7. Water management/drainage 8. Hanvesting/tueshing/hauting 9. Orying/bagging/stocking	3		12	12	12
Spraying     Water management/drainage     Harvesting/treshing/hauting     Orying/bagging/stocking		3	3	3	3
7. Water management/drainage 8. Harvesting/treshing/trauting. 9. Orying/bagging/stocking.		3	3	3	3
Harvesting/treshing/frauling     Drying/bagging/stocking	الم ا	اة	4	ΑĬ	
9 Drying/bagging/stocking	24	24	24	24	26
	3	3	3	3	3
	22	22	72	22	2
Total md.	76	76	76	76	71
(INVESTMENT (peso)	ŌΝ	Peso/	Peso		
§, Cultivation fools	1	<u> </u>	1,000		
DECITORENT CORTS	ļ		1,000		
RECURRENT COSTS  Quantity	1 . 1	j			
Seed	50	50	50	50	54
Urea (kg)	100	100	100	100	10
14-14-14 (kg)	150	150	150	150	150
Zinc Phosphate (kg)	15	15	15	15	18
Basudin 400EC (ft/)	1	1	1	्रा	
Furadan 3G (kg)	34	34	34	34	3
2-4D Amirie AC (ftr)	2	2	2	2	:
Prices (pesofunit) Seco 8 5	ا			1	
		ļ .	1	ļ	
Urea (kg) 7.8 14-14-14 6-8		ı İ	J	- 1	
	1 1	ı İ	ŀ	- 1	
Zinc Phosphate (kg) 6 6 Basudin 400EC (ftr) 280.4			1	l	
Furadan 3G (kg) 200.4			j		
2-4D Amine AC (ftr) 468 8		i I		ļ	
		l	1	Ì	
Wages (peso/mad/md)			· •		
Hired labor/inad 140 9	0		l l	- 1	
Hired labor/md 70 0			. [		
Hired treshing machine 0.0	6 of produce v	alue	· ]	: 1	. 1
			. [	- 1	
Costs (peso)					
Seed	425	425	425	425	42
Urea	780	780	780	780	78
14-14-14	1,028	1,028	1,028	1,028	1,02
Zinc Phosphate	100	100	100	100	10
Basudin 400EC	280	280	280	280	28
Furadan 3G	2,043	2,043	2,043	2,043	2,04
2:40 Amine AC	934	934	934	934	93
Labor	8,400		8,400	8,400	8,40 1,39
Hired Treshing Machine Total Recurrent Costs	1,035	1,125 14,690	1,215	1,305	1,39 14,96
rotal noture in Cook	.,,,,,,				,
D. RETURNS		[ · [			
Production (ton/ha)	2.3	25	27	29	3
Revenue(peso) at 9,000 00 Pesonon	20,700	22,500	24,300	26,100	27,90
	1			1	
Cash Flow Projections		[			100
Inflow Sales	20,700	22,500	24,300	26,100	27,90
Farmer Contribution		6			
(Half of labor costs)	4,200	4,200	4,200	4,200	4,20
Loan	1,000		•	1.	
- Investment - Working capital	14 600		0	. 6	
e a control of the second seco	40,500		28,500	30,300	32,10
Outlow		1			
Investment	1,000				
Recurrent costs	14,600		14.780	14,870	14.9
	15,600	14,690	14,780	14,870	14,9
Stat income haters dold	2000	12,010	13,720	15,430	17,14
Net income before debt Loan outstanding	24,900 15,600		9,350	6,240	3,1
Interest due at 20 % 0.2	3,120		1,872	1,248	6
Debt service				``-"	Į -
Interest	3,120	2,496	1,872	1,248	6.
Repayment	3,120		3,120	3,120	3,1
(Vis amortized 5)	1				
	31 V	]			
Net income after debt service	18,660		8,728	11,062	13,3
Cumulative net income	18,660		33,783	38,117	47,1
Mendays of family labor	38		38	38	
Cumulative mandays	38		114	152	1
Average net return/manday	491	330	296	238	2
granning anglesia	1		ĺ		
Financial analysis		2000	2,	ne ass	27,9
Revenue from sales	20,700		24,300 14,780	26,100 14,870	14.9
Cash outlow Not each flow	15,600 5,100		9,520	11,230	
Net cash flow	5,100	1 (,610)	9,020	17,230	12,8
FiRR ≠ > 50 %	ŀ	1	! <b>!</b>		i

Table 0.2-3 Financial Model for Irrigated paddy Production: Cofcaville (One Hectare)

	1		2	J TEXAS	1	5-25
LABOUR REQUIREMENT (man-day)	T	3	3	3	3	3
Seedbed preparation/care of seedling     Ploying/harrowing/levelling	1	18	18	18	18	18
2. Proving national greening 3. Transplanting	- 1	28	28	28	28	28
4. Weeding	ı	12	12	12	12	12
5. Fertilizing	1	3	3]	3	3	3
8. Spraying	- 1	3	3	3 5	3 5	3 5
7. Irrigation/drainage	l l	5 26	5 26	26	26	26
8 Harvesting/reshing/hauling	- 1	20	- 41	- 4	4	- 4
Onying/bagging/stocking     Total mad	}	22		22	22	22
Total md.		80	80	80	80	80
INVESTMENT (poso)			Recorent	Capital		
1. Capital costs	<b>*</b>	20 0	<u>Costs</u> 16,344	<u>Costs</u> 3,269		
				3,269	, - ,	
RECURRENT COSTS  Quantity			1			
Seed	i i	50	50	50	50	50
Urea (kg)	- 1	100	100	100	100 100	10
18-20-0 (kg)	1 1	100	100	100 150	150	156
14-14-14 (kg)		150	15	- 15	15	15
Zinc Phosphate (kg)	į.	15	. 4	13	1	
Basudin 400EC (itr)	. [	34	34	34	34	3-
Furadan 3G (kg) 2-4D Amine AC (ltr)	1	2	2	2	2	:
Prices (peso/unit)					:	٠
Urea (kg)	8 50 7.50	.			]: 	
16-20-0 (kg)	880				i '	
,	6.90		. 1	. 1.		
(b)	2.46					1
	3.75			. :		
		- 1				
Wages (peso/mad/md) Hired labor/mad 12	000	ŀ			I	
	000	Ì	. [		1	
Costs (peso)	1	.	*			
Seed		425	425	425		42
Urea		750	. 750	750		75
16-20-0		630	680	680		68
14-14-14	1	035	1,035	1,035		1,03
Basudin 400EC	1	282	282	282		28
Furadan 3G	- 1 7	2.040	2,040	2,040 968		2,04 96
2-4D Amine AC		968 7,440	968 7,440	7,440		
t abor Misc (20 % of all costs)		724	2,724	2,72		2,72
Total Recurrent Costs		344	16,344	16,34	16,344	16,34
) RETURNS					5.1	5
Freduction (ton/ha)	.,	4 0 0,800	33 880	36.96		
Revenue(peso) at 1700 Peso/ti	~"   ~	, out	3,030	34,54		
Cash Flow Projections .				į.	1	
Sales	3*	0,800	33,880	36,96	39,270	42,3
Farmer Contribution (Hadf of tabor costs)		3,720	3,720	3,72	3,720	3,7.
Loan			i .			ľ
- Investment - Working capital	1,	3,269 6,344		1	0 (	
Outflow	3	4,133	37,600	40,68	0 42,990	46,0
Investment		3,269		1	1 .	
Recurrent costs	1 1	6,344 9,613	\$6,344	16,34 16,34		
Net income before debt		4,520 0 f 1 1				
Loan outstanding		9,613 3,923				
Interest due (20%)	1	2,023	l ~~~			1
<u>Debt service</u> Interest		3,923				7
Repayment	2	3,923		3,92	3 3,92	3,9
Net income after debt service	2	26,67¢	14,195			
Cumulative net income	3	8,674	40,870			
Mandays of family fabor	1	51			1 5	
Cumulative mandays Average net return/manday		51 523				*
<u> </u>	j					
Financial analysis Revenue from sales		30,800				
Cash outlion	1 1	19,613	16,34	16,34		
Net cash fiew	'	1,187	17,536	1 20.8	11 11,81	T ***
FirR = > 50 %	- 1				L .	•

Table 0.2-4 Financial Model for irrigation-Wet Seasoned Paddy Production at Cofcaville (One Hectare)

. LABOUR REQUIREMENT (mai			2	YEAR	4 1	5
. LACOUR NEW UNE MENT ( MAI	n-day)				-	-
1. Seedbed preparation/care of		3	3	3	3	
2 Plowing/harrowing/levelling	•	18	18	18	18	1
3. Transplanting		28	28	28]	28	2
4. Weeding		12	12	12	12	1
5 Fertilizing		3	3	3	3	
6 Spraying		3	3	3	3	
7. Water management/diainage		. 4	4	- 4	. 4]	
8 Harvesting/treshing/hauting		24	24	24	24	2
9 Drying/bagging/stocking		3	3	3]	3	
Total		22	22	22	22	3
Total . INVESTMENT (peac)	mQ.	76	76]	76]	76	7
. in restricting (pess)		901	Peso/unit	Peso		
F. Cultivation foois		301	1,000	1,000		
T. Dollar Co. 10013		'	•,000	1,000		
				1,000		
. RECURRENT COSTS	•	1				
Quantity				- 1	- 1	
Seed		50	50	50	50	5
Urea (kg)		100	100	100	100	19
14-14-14 (kg)		150	150	150	150	15
Zinć Phosphate (kg)		15	15	15	15	1
Basudin 400EC (ltr)		1 1	1	1	1]	
Furadan 3G (kg)		[ 34]	34	34	34	3
2-4D Amine AC (ltr)		] 2]	2	2	2	
					1	
Prices (pesalunit)		į l			Ţ	
Seed	8 50				1	
Urea (kg)	7 50				I	
14-14-14	690	!				
Zinc Phosphate (kg)	6.67	j l			1	
Pasudin 400EC (Nr)	282 48	( I		1		
Feradan 3G (kg)	60 00	j l		i	· ]	
2-4D Amine AC (ftr)	483 75			j	I	17
	1.5		·		1	
Wages (peso/mad/md)		!				
Hised labor/mad	120 00	1 · !	1		i i	
Hired labor/md	50 00				1	
Hired treshing machine	0.05	of produce v	alue		[	
Costs (peso)		] <b>i</b>		· , [	[	
Seed	.	425	425	425	425	42
Urea		750	750	750	750	75
14-14-14		1,035	1,035	1,035	1,035	1.03
Zinc Phosphate		100	100]	100	100	10
Basudin 400EC		282	282	282	282	28
Furadan 3G		2.040	2,040	2,040	2,040	2.04
2-4D Amine AC		968	968	968	968	. 96
Labor		6,440	6,440	8,440	8,440	6,44
Hired Treshing Machine		1,386	1,502	1,617	1,771	1,88
Total Recurrent Costs		13 001	13,117	13,232	13,386	13,50
. RETURNS	1		, j.	ŀ		
Production (ton/ha)		36	3.9		ا	£ . 🛓
Revenue(peso) at	7,700 Fesoton	27,720	30,030	32,340	35,420	97 72
vice amostice and me	THE LESS WIT	[ 4,720	30,000	32,390	30,470	37,73
Cash Flow Projections				ŀ		· ·
Inflow		[	Į	į		
Sales		22.220	30,000	22 240	امدعد	97.74
Farmer Contribution		27,720	30,030	32,340	35,420	37,73
(Half of fabor costs)		3,220	3,220	3,220	, , , ,	3.00
		. 372UI	3 / 731		3,220	3,22
		-,	-,1	3.22		
Loan				3.220		
Loan - Investment		1,000	Α		ا	٠.
Loan		1,000 13,001	o		0 39.640	
Loan - Investment		1,000	33,250		0 38,640	
Loan - Investment - Working easitat		1,000 13,001	o			
Loan - Investment		1,000 13,001 44,941	o			
Loan - Investment - Working eapital  Outflow		1,000 13,001 44,941 1,000	0} 33,250	35,560	38,640	40,95
Loan - Investment - Working capital  Outflow Investment		1,000 13,001 44,941 1,000 13,001	0; 33,250 13,517	0 35,560 13,232	38,640 13,386	40,95 13,50
Loan - Investment - Working capital  Outflow Investment		1,000 13,001 44,941 1,000	0} 33,250	35,560	38,640	40,95 13,50
Loan - Investment - Working capital  Outflow Investment		1,000 13,001 44,941 1,000 13,001	0 33,250 13,117 13,117	0 35,560 13,232 13,232	38,640 13,386 13,386	40,95 13,50 13,50
Loan - Investment - Working capital  Outflow Investment Recurrent costs		1,000 13,001 44,941 1,000 13,001 14,001	0; 33,250 13,117 13,117 20,133	13,232 13,232 22,328	38,640 13,386	13,50 13,50 27,44
Loan - Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt		1,000 13,001 44,941 1,000 13,001 14,001 30,940 14,001	0; 33,250 13,117 13,117 20,133 11,201	13,232 13,232 22,328 6,401	38,640 13,386 13,386 25,254 5,601	40,95 13,50 13,50 27,44 2,80
Loan - Investment - Working eapital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding		1,000 13,001 44,941 1,000 13,061 14,001	0; 33,250 13,117 13,117 20,133	13,232 13,232 22,328	38,640 13,386 13,386 25,264	13,50 13,50 27,44 2,80
Loan - Investment - Working eapital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due (14 %)17		1,000 13,001 44,941 1,000 13,001 14,001 30,940 14,001	0; 33,250 13,117 13,117 20,133 11,201	0 35,560 13,232 13,232 22,328 8,401 1,176	13,386 13,386 13,386 25,254 5,601 784	13,50 13,50 13,50 27,44 2,80 39
Loan - Investment - Working capital  Cutilow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Debt service		1,000 13,001 44,941 1,000 13,061 14,001 30,940 14,001 1,960	0; 33,250 13,117 13,117 20,133 11,201 1,568	0 35,580 13,232 13,232 22,328 8,401 1,176 1,176	38,640 13,386 13,386 25,254 5,601 784 784	40,95 13,50 13,50 27,44 2,80 39
Loan - Investment - Working capital  Cutflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Pebt sendog Interest Repayment		1,000 13,001 44,941 1,000 13,001 14,004 30,940 14,001 1,960	0; 33,250 13,117 13,117 20,133 11,201 1,568	0 35,560 13,232 13,232 22,328 8,401 1,176	13,386 13,386 13,386 25,254 5,601 784	13,50 13,50 27,44 2,80 39
Loan - Investment - Working capital  Cutilow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Pebt sendog Interest Repayment		1,000 13,001 44,941 1,000 13,001 14,004 30,940 14,001 1,960	0; 33,250 13,117 13,117 20,133 11,201 1,568	0 35,580 13,232 13,232 22,328 8,401 1,176 1,176	38,640 13,386 13,386 25,254 5,601 784 784	40,95 13,50 13,50 27,44 2,80 39
Loan - Investment - Working capital  Cutilow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Pebt sende Interest Repayment		1,000 13,001 44,941 1,000 13,001 14,004 30,940 14,001 1,960	0; 33,250 13,117 13,117 20,133 11,201 1,568	0 35,580 13,232 13,232 22,328 8,401 1,176 1,176	38,640 13,386 13,386 25,254 5,601 784 784	40,95 13,50 13,50 27,44 2,80 39
Loan - Investment - Working capital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due (14 %)1/ Cebt sentice Interest Repayment 1/ maximum rate affordable  Net income after debt service		1,000 13,001 44,941 1,000 13,001 14,001 30,940 14,001 1,960	0: 33,250 13,517 13,517 20,133 11,201 1,568 2,600	0 35,580 13,232 13,232 22,328 8,401 1,176 1,176	13,386 13,386 13,386 25,254 5,601 784 784 2,800	13,50 13,50 13,50 27,44 2,80 39 2,80
Loan - Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Debt sendice Interest Repayment  1/ maximum rate affordable  Net income after debt sendice Cumulative net income		1,000 13,001 44,941 1,000 13,001 14,001 30,940 14,001 1,960 2,800	0: 33,250 13,517 13,517 20,133 11,201 1,568 2,600	0 35,560 13,232 13,232 22,328 8,401 1,176 1,176 2,800	13,386 13,386 13,386 25,254 5,601 784 2,800	13,50 13,50 13,50 27,44 2,80 39 2,80
Loan - Investment - Working capital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due (14 %)1/ Cebt sentice Interest Repayment 1/ maximum rate affordable  Net income after debt service		1,000 13,001 44,941 1,000 13,061 14,001 30,940 14,001 1,960 2,800	0; 33,250 13,117 13,117 20,133 11,201 1,568 1,568 2,800	0 35,560 13,232 13,232 22,328 6,401 1,176 2,860	13,386 13,386 13,386 25,254 5,601 784 784 2,800	40,95 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55
Loan - Investment - Working capital  Cutilow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Pebt sentice Interest Repayment  1/ maximum rate affordable  Net income after debt service Cumulative net income		1,000 13,001 44,941 1,000 13,061 14,061 30,540 14,091 1,950 2,600 26,180 26,180	0; 33,250 13,517, 13,617 20,133 11,201 1,568 2,800 15,765 41,945	13,232 13,232 13,232 22,328 8,401 1,176 1,176 2,800	13,386 13,386 13,386 25,254 5,601 784 2,800 21,670 63,615 38	40,95 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55 3
Loan - Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Pebt sender Interest If maximum rate affordable  Net income after debt service Cumulative net income Mandays of family labor		1,000 13,001 44,941 1,000 13,061 14,001 14,001 1,960 1,960 2,600 26,180 26,180 33	0, 33,250 13,117 13,117 20,133 11,201 1,568 2,800 15,765 41,945 38	13,232 13,232 13,232 22,328 8,401 1,176 2,800 18,352 60,297 38	13,386 13,386 13,386 25,264 5,601 784 2,800 21,870 63,615 38	13,50 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55 39
Loan - Investment - Working capital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due (14 %)1/ Pebt sendce Interest It maximum rate affordable  Net Income after debt service Cumulative met income Mandays of family labor Cumulative mandays		1,000 13,001 44,941 1,000 13,001 14,001 30,940 14,001 1,960 2,800 26,180 26,180 38 38	0: 33,250 13,117 13,117 20,133 11,201 1,568 2,600 15,765 41,945 38 76	0 35,560 13,232 13,232 22,328 8,401 1,176 2,800 18,352 60,297 38	13,386 13,386 13,386 25,254 5,601 784 2,800 21,670 63,615 38	13,50 13,50 13,50 27,44 2,80 39 2,80 24,25 84,58 3,19
Loan - Investment - Working capital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due (14 %)1/ Pebt sentice Interest It maximum rate affordable  Net income after debt service Cumulative mandays of tamily labor Cumulative mandays		1,000 13,001 44,941 1,000 13,001 14,001 30,940 14,001 1,960 2,800 26,180 26,180 38 38	0: 33,250 13,117 13,117 20,133 11,201 1,568 2,600 15,765 41,945 38 76	13,232 13,232 13,232 22,328 8,401 1,176 2,800 18,352 60,297 38	13,386 13,386 13,386 25,264 5,601 784 2,800 21,870 63,615 38	13,50 13,50 13,50 27,44 2,80 39 2,80 24,25 84,58 3,19
Loan - Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Debt sendog Interest Repayment  1/ maximum rate affordable  Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday		1,000 13,001 44,941 1,000 13,001 14,001 14,001 1,960 2,800 26,180,26,180,38,38,689	0; 33,250 13,117 13,117 20,133 11,201 1,568 2,600 15,765 41,545 38 76 552	13,232 13,232 13,232 22,328 8,403 1,176 2,860 18,352 60,297 38 114 529	13,386 13,386 13,386 25,264 5,601 784 2,800 21,670 63,615 38 152 419	40,95 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55 3,19 44
Loan - Investment - Working capital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due [14 %)1/ Pebt service Interest It maximum rate affordable  Net income after debt service Cumulative net income Mandays of tamily labor Cumulative mandays Average net return/manday Financial analysia		1,000 13,001 44,941 1,000 13,061 14,001 1,960 2,600 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 27,720	0: 33,250 13,517 13,517 20,133 11,201 1,568 2,800 15,765 41,945 38 76 552	13,232 13,232 13,232 22,328 8,401 1,176 1,176 2,800 18,352 60,297 38 114 529	13,386 13,386 13,386 25,264 5,601 784 2,800 21,870 63,615 38 152 419	40,95 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55 3,19 44
Loan - Investment - Working capital  Outflow investment Recurrent costs  Net income before debt Loan outstanding interest due (14 %)1/ Debt sendog Interest Repayment 1/ maximum rate affordable  Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday  Financial analysis Revenue from sales		1,000 13,001 44,941 1,000 13,061 14,001 14,001 1,960 2,600 26,180 26,180 33,38,689	0, 33,250 13,117 13,117 20,133 11,201 1,568 2,800 15,765 41,945 38 76 552	0 35,560 13,232 13,232 22,328 8,401 1,176 2,800 16,352 60,297 38 114 529	13,386 13,386 13,386 25,264 5,601 784 784 2,800 21,670 63,615 38 152 419	40,95 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55 3,19 44
Loan - Investment - Working capital  Outflow Investment Recurrent costs  Net income before debt Loan outstanding Interest due (14 %)1/ Debt sendog Interest Repayment  1/ maximum rate affordable Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday  Financial analysia Revenue from sales Cash outflow		1,000 13,001 44,941 1,000 13,061 14,001 1,960 2,600 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 26,180 27,720	0: 33,250 13,517 13,517 20,133 11,201 1,568 2,800 15,765 41,945 38 76 552	13,232 13,232 13,232 22,328 8,401 1,176 1,176 2,800 18,352 60,297 38 114 529	13,386 13,386 13,386 25,264 5,601 784 2,800 21,870 63,615 38 152 419	40,95 13,50 13,50 27,44 2,80 39 2,80 24,25 84,55 3,19 44 37,73 13,50 24,22

Table 0.2-5 Financial Model for Irrigation Dry-Season Paddy Production: Marangog (One Hectare)

	1	2	YEAR	4 1	
LAGOUR REQUIREMENT (man-day)					
Seedbed preparation/care of seedling	3	3	3	3	
2 Plowing/harrowing/levelting	18	18	18	18	1
3. Transplanting	28	28	28	28	2
4. Weeding	12	12	12	12 3	
5 Fertilizing	3]	3	3	3	
Spraying     Water management/drainage	ا ا	. 4	4	4	
8 Harvesting/treshing/hauting	24	24	24	24	2
9. Drying/bagging/stocking	3	3	3	3	
Total mad	22	22	22	22	2
Fotal md	76	76	76	78	7
. INVESTMENT (peso)		Recurrent			
	25	Cost	Peso		· !
1. Capital Costs	. 20	14,272	<u>2,858</u> 2,858		
	·		-,,,,		:
RECURRENT COSTS		1			
Quantity					
Seed	50 100	50	50 100	50 100	19
Utea (kg)	150	100 150	150	150	19
14-14-14 (kg)	15	150	150	150	1
Zinc Phosphate (kg)	1 1	10	13	1	
Basudin 400EC (ftr)	34	34	34	34	
Furadan 3G (kg) 2-4D Amine AC (itr)	2	2	2	2	
• •			[	]	
Prices (pesofunit) Seed 8	50				·
	20				
	80	1 1			
	67	]			
8asudin 400EC (ltr) 278					
	65			A	
	00			Λ.	
(2.40/4/10/10/10)		1			
Wages (peso/mad/md)				1	
	000			1	
Hired labor/ind 60	100				
Hired treshing machine 0	05 of produce v	alue			
	1	:		1.00	
Costs (peso)		:			
Seed	425	425	425	425	4
Urea	820	820	820	820	. 8
14-14-14	1,020	1,020	1,020	1,020	1,0
Zinc Phosphate	100	100	100	100	1
Basudin 400EC	279	279	279	279	2
Furadan 3G	2,028	2,028	2,028	2,028 900	<b>2,</b> 0
2-4D Amine AC Labor	900 7,200		900	7,200	7,2
Hired Treshing Machine	1,444	1,575	1,663	1,794	1,8
Total Recurrent Costs	13,791	13,922	14,010	14,141	14,2
A OCTUDIO					
), RETURNS Production (tor/ha)	3 3	36	3 8	1.11	
Revenue(peso) at 8,750 Peso/loi			33,250	35,875	38,5
Cash Flam Dark of con-					
Cash Flow Projections Inflow					
Sales	28,875	31,500	33,250	35,875	38.5
Farmer Contribution	,		9 07-0	3 000	2.0
(Haff of labor costs) Loan	3,600	3,600	3,600	3,600	3.6
- Investment	2,858	· .			
- Working capital	13,791	0	0	- 0	<u> </u>
	49,124	35,100	36,850	39,475	42,1
Outlow		[			1.1.1
Outflow Investment	2,858	[ ]		'	
Recurrent costs	13,791		14,010	14,141	14,2
	16,649		14,010	14,141	14,2
Michigan a hadan dala	22.525	01.470	20.00	22.221	^22.0
Net income before debt	32,475		22,840 9,889	25,334 6,659	27,8 3,3
Loan outstanding Interest due (20%)	16,649 3,330		1,998	1,332	6
Debt service		````	,,,,,,,	-,****	i
Interest	3,330	2,864	1,998	1,332	. 6
Répayment	3,330		3,330	9 330	3,3
		ا ا			
Net income after debt service	25,815		17,512	20,672	23.8
Cumulative net income	25,815		58,511	61,871	82,3
Mandays of family jabor	38		38	38	1
Cumulative mandays  Average net teturn/manday	38 679		114 513	152 406	1
Average het teturn/manday	6/3		713	I <sup>™</sup>	'
Financial analysis	İ	]			
Revolue from sales	28,875	31,500	33,250	35,875	38,5
	16,649		14,610		14,2
Cash outliers	10,050				
	12,226		19,240	21,734	24,2
Cash outliev			19,240	21,734	24,2

Table 0.2-6 Financial Model for Rainfed Paddy Production: Cofcaville (One Hectare)

-	}		7	YEAR 3	4	3
CABOUR REQUIREMENT (man-day)			3	3	3	3
Seedbed preparation/care of seedling     Signature flags of seedling		18	18	18	18	18
Piowing/harrowing/levelling     Transplanting		28	28	28	28	28
4. Weeding		12	12	12	12	12
5 Fertilizing		3	3	3	3	3
6 Spraying	ŀ	3	3	3]	3	3
<ol> <li>Water management/drainage</li> </ol>	l	-4	.4	- 4	- 4	
8 Harvesting/treshing/hauting	. !	24	24	24	24	24
Drying/bagging/stocking     Total mad	- 1	3 22	3 22	<u>3</u>	3 22	
Total ind	- 1	76	76	76	76	. 70
INVESTMENT (poso)		%	Recurrent	-		
1 Capital Costs		<u>Recurrent</u> 20 00	Cost 13,723	Pesq 2,745		
	ļ			2.745		
RECURRENT COSTS  Quantity						
Seed	- 1	50	50	50	50	50
Urea (kg)	1	100	100	100	100	10
14-14-14 (kg)		150	150	150	150	150
Zinc Phosphate (kg)	- 1	15	15	15	15	18
Basudin 400EC (ftr)		1	1	34	.!!	3.
Furadan 3G (kg) 2-40 Amir.e AG (fb)		. 34	34 2	34) 2	34 2	3
Prices (pesofunit)						
Seed	8 50					
Urea (kg)	7.50					
14-14-14 Time Disease starting	690	, <b>l</b>				
Zinc Phosphate (kg) Basadin 400EC (ftr)	6 67 282 00		1		·	
Furadan 3G (kg)	60 00					
	484 00	. 1				
		l . : I				
Wages (peso/mad/md)						
	120 00					
Hited labor/md	60 00					
Hired treshing machine	0.05	of produce va	alue		-	
Costs (peso)	3	· [				
Seed		425	125	425	425	42
Urea		750	750	750	750	- 75
16-16-14	:	1,035	1,035	1,035	1,035	1,03
Zinc Phosphate		100	100	100	100	10
Basudin 400EC		282	282	282	282	28
Furadan 3G		2,040	2,040	2,040	2,040	2,04
2:40 Amine AC	٠.	968	968	968	968	96
Labor Hand Treching Machine	- 7	7,200 1,001	7,200 1,078	7,200	7,200 1,271	7,20 1,34
Hired Treshing Machine Total Recurrent Costs		13,376	13 453	13,530	13,645	13,72
						t
RETURNS Production (ton/ha)	1	28	28	. 30	33	3.
Revenue(peso) at 7,700 Peso	∆on	\$0,020	21,560	23,100		
Cash Flow Projections				. :		
Inflow Sales		20,020	21,560	23,100	25,410	26,95
Farmer Contribution (Matter Labor costs)		3,600	3,600	3,600	3,600	3,60
(Half of labor costs) Loan			3,600	3,600	3000	30
Investment     Working capital	*.	2,745 13,376	٥	0		
ere complete non	* *	39,741	25,160	26,700	4 -	
Outlow						ļ
Investment	11	2,745	1.00		1	
Recurrent costs		13,376 18,121	13,453 13,453	13,530 13,530		
				10,000		
Net income before debt		23,620		13,170		
Loan outstanding		16,121	12,897	9,673		
interest due (20%)		3,224	2 579	1,934	1,289	64
Debt service Interest		3.224	2 579	2,934	1,090	64
Repayment		3,224	3 224	3,724		
Net Income after debt service	•	17 122	5 904	7,012	11,050	12,90
Net income after debt service Cumulative net income		17,172 17,172	23.076	30,068		
Mandays of family labor		38		35,000		
Cumulative mandays		38	76	114		
Average net return/manday		452	304			
				Ī	]	1
Financial analysis		~~~				
Revenue from sales Cash outflow		20,020	21,560 13,453	23,100 13,530		
Net cash flow		16,121 3,899				
			]	]		'''

# Table O.2-7 Financial Model for Paddy-1 Production: Silae (One Hectare)

-	THE RESERVE OF THE PARTY OF THE	· · · · · · · · · · · · · · · · · · ·		and the St. Dalle St. Dr. St. and	YEAR		
L					3	4	6-26
	ABOUR REQUIREMENT (mas- Seedbed preparation/care of se		3	3	3	3	3
	. Plowing/harrowing/levelling	ocumy .	18	18	18	18	18
	Transplanting		28	28	28	28	28]
	Weeding		12	12	12	12	12 3
	. Fertilizing		3	3	3	3	3
	. Spraying . Irrigation/drainage		5	5	5	- 5	5
	Harvesting/treshing/hauling		26	26	26	26	. 26
	Drying/bagging/stocking		4	4		4	22
ı	Total :		22 80	22 80	22 80	22 80	22 80
1	Total	rno.	- 001	- 601			
8. 1	NVESTMENT (paso)			Recurrent	Capital		4.1
			<u>%</u>	Costs	Çosis		
1 1	I. Capital costs		- 20	16,609	<u>3,322</u> 3,322		
İ					J,022		1
6.	ECURRENT COSTS				Т	<u>-</u> -	
1	Quantity			1			
1	Seed		50	50 100	50 100	50 100	50 100
ŀ	Urea (kg)		100	100	100	100	100
İ	16-20-0 (kg) 14-14-14 (kg)		150	150	150	150	150
1	Basudin 400EC (Itr)		. 1	1	1	1	1
1	Furadan 3G (kg)		34	34	34	34	34
1	2:40 Amine AC (fb)		2	2	. 2	2	. 2
	Prices (peso/vniii)		]			ı	
1	Seed	8 50			.	• ]	
1	Urea (kg)	7.50		ŀ	l	1	
1	16-20-0 (kg)	6.60	j i		l	}	
1	14-14-14 (kg)	680		5.0	Ì	ŀ	
1	Basudin 400EC (Nr)	278 36 59,65		· 1			
l	Feradan 3G (kg)	00,00			:	i	
1	Weges (pesolmad/ind)	1.0	1				
1	Hired labor/mad	140 00	1 : 1			•	*
1	Hired labor/md	70 00		* -	•		
1				1			
1	Costs (peso) Seed		425	425	425	425	425
Į.	Urea	+ 1	750	750	750	750	750
	16-20-0		660	660	660	660	660
1	14-14-14		1,020	1,020	1,020	1,020	1,020
	Basudin 400EC		278	278	278	278 2,028	278 2,026
1	Furadan 3G Labor		2,028 8,680	2,028 8,680	2,028 8,680	8,680	8,680
1	Misc (20% of all costs)		2,768	2,768	2,768	2,768	2,768
1	Total Recurrent Costs		16,609	16,609	16,609	18,609	16,609
			1 .				
ĮĐ.	RETURNS Production (tor/hs)	-	4.0	4.4	4.8	5.1	5.5
1	Revenue(peso) at	7600 Pesoton	30,400		36,480	38,760	41,800
1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1				
	Cash Flow Projecticas		* -				. 1
	Inflow Sales	•	30.400	33 440	38,480	38,760	41 800
	Sates Farmer Contribution		30.400	33,440	,,	ω, ω	47,000
1	(Half of labor costs)		4,340	4,340	4,340	4,340	4,340
-	Loan			1			
1	- Investment		3,322		_	ا	
1	- Working capital		16,609 54,671		40,820	43,100	48,140
1	Outflow		54,5/1	3,760	43,020	70,100	
	Investment		3,322				.
1	Recurrent costs		16 609		16,609	16,609	16,609
			19,931	16,609	16,609	16,609	18,600
1	Net income before debt		34,740	21,171	24,211	28,491	29,531
ı	Loan outstanding		19,831			7,973	3,986
	Interest due (20%)	. 1	3,986			1,595	797
	Debt service		l				
l	Interest		3 986			1,595 3,986	797 3,985
i	Repayment		3,986	3,986	3,800	3.500	3,500
	Net income after debt service		26,768	13,996	17,832	20,909	24,747
	Cumulative net income		26,768	40,763	58,535	61,672	83,342
1	Mandays of family lator		51		51	51 204	51
1	Curnulative mandays		51			204 302	255 327
	Average net return/manday		525	400	303	302	321
	Financial analysis		1	1			
	Revenue from sales		30,400			38,760	41.800
	Cash outliow		19,931			18,609	16,603
	Net cash flow		10,469	16,831	19,871	22,151	25,191
1				1	i '	i	i
	FIRR =	>50 %	1		L		

Table O.2-8 Financial Model for Paddy-2 Production: Silae (One Hectare)

CONTRACTOR AND AND AND AND AND AND AND AND AND AND		The second secon	<b>YEAR</b>	-	
		3	3	<b>4</b> T	5
LABOUR REQUIREMENT (man-day)					
Seedbed preparation/care of seedling	3	3	.3	3	3
2 Plowing/harrowing/levelling	18	18	18	18]	18
3 Transplanting	28	28	28	28	28
4 Weeding	12	12	12	12	12
5. Fertilizing	3	3	3	3	3
6. Spraying	3	3	3	3	3
7. Water management/drainage	4	4	41	.41	'
8 Harvesting/treshing/hauling	24	24	24]	24	2
9 Drying/bagging/stocking	3	3	3	3]	
Total mod	22	22	22	??	2
Total red	76	76	76	76	7
, INVESTMENT (peso)			5		
	Ğī.	Peso/unit	Peso		
Cultivation tools	1	1,000	1,000 1,000		
			1,400		
. RECURRENT COSTS					
Quantity	Ļ			- 1	
Seed	50	50	50	50	5
Urea (kg)	100	100	100	100	10
14-14-14 (kg)	150	150	150	150	15
Zinc Phosphate (kg)	15	15	15	15	1
Basudin 400EC (ltr)	1	1	i	5	
Furadan 3G (kg)	34	34	34	34	3
·		1 1		1	_
Prices (pesofunit)					
	8 50			İ	
	7.50			· .	
	6.80				
	667			1	
	8.36				
	9 65			1	
	·				
Wages (peso/mad/md)					
	1000				
	000				
	0.05 of produce v	alue		7.6	
they be string to some		i			
Costs (peso)				· 1	
Seed	425	425	425	425	42
Urea	750		750	750	75
14 14-14	1,020		1,020	1,020	1,02
Zinc Phosphate	100	1	100	100	10
Basudin 400EC	278		278	278	27
Furadan 3G	2,028	1	2,028	2,028	2,02
	8,400		8,400	8,400	8,40
Labor	1,368		1,596	1,748	1.86
Hired Treshing Machine Total Recurrent Costs	13.945		14,173	14,325	14.43
Total Record Costs	15,540	14,000	13,113		17,70
). RETURNS		· ·		i . 1	1.
Production (ton/ha)	36	39	42	46	- 4
Revenue(peso) at 7,600 Peso/to					37,2
Trefered pesson at			,		
Cash Flow Projections				!!	
Inflow		1			
Sales	27,360	29,640	31,920	34,930	37,2
Farmer Contribution	1	]			
(Half of labor costs)	4 20	4,200	4,200	4,200	4,20
Loan		]	1	''''	
- Investment	1,000	ol .			
-Working capital	13,94		. 0		, .
	46,50		36,120	39,160	41,4
Outflow		1			
Investment	1 00	ી		1 1	
Recurrent costs	13,94	5 14,059	14,173	14,325	14,4
	14.94	3 14,059	(4,173	14,325	14,4
Net income before debt	31.56				27,0
Loan outstanding	14,94				2,2
Interest due (14%)1/	2.09	2 1,674	1,255	837	4
Debt service	1 .	1	1	1	
Interest	2.09				3
Repayment	2 98	9 2,989	2,939	2,989	2,9
		1			
Net income after debt service	26,47	9 14,119	17,844		23,6
Cumulative not income	26,47	9 40,595	58,441		82,1
Mandays of family tabor		8 38			
Cumulative mandays	3				
Average set return/manday	69		1		4
A triplate succession assumption		1 ~	"	`~	, "
Financial analysis	1	1	i		
Revenue from sales	27,36	0 29,640	31,920	34,960	37,2
	14,94				14,4
Cash outflow	1 17,24	- 1 - 1 - 1 - 1			
Cash outflow Net cash flow		5 15.50	1772	[ ZU P.12]	72.0
Cash outflow Net cash flow	12,41	5 15,58	17,747	20,635	22,0

Table O.2-9 Financial Model for Paddy-5 Production: Marangog (One Hectare)

	+	2	YEAR	4 1	6
LABOUR REQUIREMENT (man-day)	<del></del>				~~~~
Seedbed preparation/care of seedling	3	3	3	3	
2 Piowing/harrowing/levelling	18	18	18	18	
3. Transplanting	28	28	28	28	:
4. Weeding	12	12	12	12	
5. Fertifizing	3	3	3	3	
6. Spraying	3	- 3	3	3	
	4	<b>4</b>	4		
Water management/drainage     Hannetination by his of harding	24	24	24	24	:
Harvesting/treshing/haufing     Decision/harding/haufing/harding/				3	•
Drying/bagging/stocking	3	3	3		
Total mad	22	22	22	53	
Total md	76	76	76]	76	
. INVESTMENT (peso)	Qty ·	Pesò/unit	Peso		
1. Cultivation tools	1	1,000	1,000 1,000	. ,	
RECURRENT COSTS		_ <del></del> -r	1	<del></del> 1	
Quantity	·			1	
Seed	50	50	50	50	;
Urea (kg)	100	100	100	100	14
14-14-14 (kg)	150	150	150	150	. 1
Zinc Phosphate (kg)	15	15	15	15	
Basudin 400EC (itr)		11	ĭ		
Furadan 3G (kg)	34	34	34	34	
2-4D Amine AC (lb)	2	2	2	2	
Prices (pesolunit)		:	.'		
Seed 85	ol l			.	
Urea (kg) 8.2			.*	- 1	
14-14-14 68				- 1	
Zinc Phosphate (kg) 6 6	4 1			- 1	
		:	-		
				. : 1	
			. "	- 1	
2-4D Amine AC (ftr) 450 (	"				
Minera (name) 4449				- 1	
Wages (peso/med/md)	اا	l		.	
Hired laborimad 120 C		l		- 1	
Hired labor/md 80 0				- 1	
Hired treshing machine 0.0	5 of produce v	alue	. 1	]	
	1 3 1			1	
Costs (peso)				1	100
Seed	425	425	425	425	4
Urea	820	820	820	820	8
14-14-14	1,020	1,020	1,020	1,020	1.0
Zinc Phosphate	100	100	100	100	10
Basudin 400EC	278	278	278	278	2
Furadan 3G	2,028	2,028	2,028	2,028	2.00
2-4D Amine AC	900	900	900	900	. 9
Labor	7,200	7,200	7,200	7,200	7.2
Hired Treshing Machine	1,006	1,094	1,181	1,269	1,3
Total Recurrent Costs	13,353	13,440	13,528	13,615	13.70
RETURNS					
Production (tor/ha)	23	2.5	2.7	29	3
Revenue(peso) at 8,750 00 Peso/ton.	20,125	21,875	23,825	25,375	27,1
Cash Flow Projections					
laflow Sales	20,125	21,875	23,625	25,375	27,1
Farmer Contribution	20,125	21013	23,023	23,313	21,1
(Haif of labor costs)	3,600	3,600	3,600	3,600	3,6
Loen	3,000	است.	5,000	5.500	5.0
- investment	1,600		1	ľ	
- investment - Working capital	13,353		0	7,	
- Facility cohims	38,078	25,475	27,225	28,975	30,7
Quitow	30,076	20,413	21,223	20,813	30,7
Investment	1,000		. 1		
Recurrent costs	13,353	13,440	13,528	13.615	13.7
HERMICH MOD	14,353	13,440	13,528	13,615	13 7
Net income before debt	23,725	12,035	13,697	15,360	17,0
Loan outstanding	14,353	11,482	8,611	5,740	2.8
Interest due (20%)	2,871	2,297	1,723	1,149	5
Debt service		·		: 1	100
Interest	2,871	2,297	1,723	1,149	5
Repayment	2,871	2,871	2,871	2,871	2,8
National Section of the Control of t	1	14.5		ایین	. 44.
Net income after debt service	17,983	6,867	9,103	15,340	13.5
Cumulative net income	17,983	24,850	33,953	36,189	47.5
Mandays of family labor	38	33	38	38	;
Cumulative mandays	38	76	114	152	1:
Average set return/manday	473	327	298	238	2
financial analysis				İ	
Revenue from sales	20,125	21 875	23,625	25,375	27,1
	14,353	13,440	13,528	13,615	13.7
Cash outliew					13,4
Cash outliew Net cash flow	5,772	8,435	10,097	11,760	13,4
	5,772	8,435	10,097	11,780	13,4

Table 0.2-10A: PINANCIAL MODEL F	OR CASSAVA	PRODUCTI	ON: COPCAVI	FFE	
One Hectare		Years l	2	3	4
A. LABOUR REQUIREMENT (man-day)					
1. Plowing/harrowing/furrrowing		21.9			21.9
2. Planting		10		10 30	10
3. Weeding/cultivation		30 1.5		30	30
4. Fertilizing 5. Harvesting/postharvest		30.5			30.5
matal mad		30.4	30.4	30.4	30.4
Total mad Total md.		63.5	63.5	63.5	63.5
		********	Recurrent	= = = = + + + + =	=======================================
B: INVESTMENT (peso)		-	cost	Peso	
1. Capital costs		20		1,817	
C: RECURRENT COSTS		Year 1	Year 2	Year 3	Year 4
Quantity					
Cuttings			13,333		
16-20-0 (kg)		200	200	200	200
Prices (peso/unit)					
Cuttings (each)	0.02 6.80				
16-20-0 (kg)	0.00				
Wages (peso/mad/md)	130.00				
Hired labor/mad Hired labor/md	120.00 60.00				* .
Hilled Ideol/Ma					
Costs (peso)		267	367	267	267
Seedlings 16-20-0 (kg)		1,360			
Labor		7,456		7,458	
					9.085
Total Recurrent Co	sts	9,089	9,085	9,000	3,003
D: RETURNS					
Production (ton/ha)		7.00	7.64	8.27	8.91
			19,711		
Revenue(peso) at 2580	Peso/ton	10,000	7 17,711	21,33,	22,500
CASH FLOW PROJECTIONS	Year l		2 3	: 4	5-25
	1691 1		<del></del>		
Inflow					24420
Sales	18060	19711	21337	22988	24039
Farmer Contribution (Half of labor costs)	3729	3729	3729	3729	3729
Loan - Investment	1817				
<ul> <li>Working capital</li> </ul>	9085	0		0	0
	32691	23440	25066	26717	28368
Outflow	1017				
Investment Recurrent costs	1817 9085	9085	9085	9085	9085
	10902	9085	9085	9085	9085
Net income before debt	10902	8721	15981 6541	4361	2180
Eoan outstanding Interest due at 20 %	2180	1744			
Debt service		1244	1209	872	136
Interest Repayment	2180	1744 2180	2180		
Net Income after debt service	17429	10431	12493	14580	16667
Cumulative net income	17429	27850	10353	42440	57020
Mandays of family labor	46.95	46.95		46.95	
Cumulative mandays	46.95	93.9	140.85		234.75
Average net return/manday	371	297	286	226	243
Financial analysis					
Revenue from sales	18060				
Cash outflow	10902	9085	9085	9085	9085
Net cash flow	7158	10627	12252	13903	15554

Table 0.2-10 Financial Model for White Corn Production: Sappase (One Hectare)

				YEAR	4 1	5-25
. LABOUR REQUIREMENT (man-day)		1	2			J-4J
Plowing/harrowing/furrrowing	į	22	22	22	22	2.
2. Planting (direct seeding)	İ	6	6	6	6	
Weeding/cultivation		10	10	10	10 3	10
4. Fertilizing		3	3	3	3	
Spraying     Harvesting/hauling/postharvesting		19	19	19	19	1
Total mad	ŀ	29	29	29	29	2
Total md.	ŀ	34	34	34	34	3-
. INVESTMENT (peso)	Ī		Recurrent	_		
4 Out to the Williams	20	% 020	Costs 11,541	Peso 2,308		
Capital Costs (%Recurrent)		070	11,041	2,308		
RECURRENT COSTS			т			
Quantity Seed		20	20	20	20	2
Urea (kg)		190	190	190	190	19
14-14-14 (kg)		120	120	120	120	12
Decis 2.5EC (tr)		1		1	1	
Trichogramma (cards)		140	140	140	140	14
2-4D Amine AC (ftr)		2	- 1	· · · · · · · · · · · · · · · · · · ·	2	
Prices (peso/unit)			: 1			
Seed	60.00					
Urea (kg)	7.80		. 1	1		
14-14-14 (kg)	6.85 453.00		-			
Decis 2.5EC (ftr)	453.00 1.50					
Trichogramma (cards) 2-4D Amine AC (ftr)	466.68					
2-40 After 8 AC (41)	400.00					
Wages (peso/mad/md)					- 1	
Hired fabor/mad	140.00		1			
Hired labor/md	70.00				2.1	
Costs (peso)						
Seed	. *	1,200	1,200	1,200	1,200	1,20
Urea	100	1,482	1,482	1,482	1,482	1,46
14-14-14	7.4	822	822	822	822	87
Decis 2 5EC (ftr)	77.	453	453	453	453	45
Trichogramma (cards)		210	210	210	210	21
2-4D Amine AC		934	934	934	934]	93
Labor Total Recurrent Costs	15.	6,440 11,541	6,440 11,541	6,440 11,541	6,440 11,541	6,44
1000 Meditient ocora	1.1	<del></del>	1,,011			} <del></del>
RETURNS					1.	
Production (Ion/ha)		2.00	2.40	2.60	2.81	30
Revenue(peso) at 6,200	3 Peso/ton	12,400	14,880	16,120	17,422	18,60
Cook Plans Designations	· .			1.1		100
Cash Flow Projections Inflow						
Sales		12,400	14,880	16,120	17,422	18.60
Farmer Contribution			•			
(Half of labor costs)		3,220	3,220	3,220	3,220	3,27
Loan						1
- Investment		2,308 11,541	0		o	
- Working capital		29,469	18,100	19,340	20,642	21,8:
			1~,100	,0,0		<u> </u>
Outflow	4	'				
Investment		2,308				
Recurrent costs		11,541	11,541	11,541	11.541	11,5
		13,849	11,541	11 541	11,541	11,5
Net income before debt		15,620	6,559	7,799	9,101	10,2
Loan outstanding		13,849		8,309	5,540	2,7
Interest due at 20% 0.2	Y 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2,770			1,108	5.
Debt service						
Interest	***	2,770				5.
Repayment	•	2,770	2,770	2,770	2,770	2,7
Mai Janana etter debbereden		10,080	1,574	3,358	5,224	6,94
Net Income after debt service  Cumulative net income		10,080			16,878	
Mandays of family labor		10,000		15,022	10,070	
Cumulative mandays		l ii			i es	
Average net return/manday		593			248	
		Ī	I		1	l
Financial analysis						
Revenue from sales		12,400		16,120 11,541		
			17.541	11.541	11,341	; 11,⊃
Cash outflow		13,849				7 ^
		-1,449				7,0

Table 0.2-11 Financial Model for White Corn Production: Marangog (One Hectare)

			YEAR		
A. LABOUR REQUIREMENT (man-day)		3	3	4	5-25
1 Plewing/harrewing/furrrewing	22	22	22	72	22
2 Planting (direct seeding)	6	6	6	6	6
3 Weeding/outtivation	10	10	10	10	10
4 Fertilizing	3	3	3	3	3
5 Spraying 6 Was not too have too least the amount of	3 19	3 19	3	3	3
6 Harvesting/haufing/postharvesting Total mad	29	79	19 29	19 <b>2</b> 9	19
Total rad	34	34	34	34	34
8. INVESTMENT (peso)		Recurrent			
4 Canital Caulo	<u>%</u>	Costs	<u>Peso</u>		
1 Capital Costs	20	10,680	2,136 2,136		
			2,130		
C. RECURRENT COSTS	···				
Quantity	]	l			
Seed	20	20	20	20	20
Urea (kg) 14-14-14 (kg)	190 120	190 120	190 120	190	190
Decis 25EC (itr)	120	120	120	120	120
Trichogramma (cards)	140	140	140	140	140
2-40 Amine AC (fu)	2	2	2	2	2
:	_ <u>_</u>		]		_
Prices (pesa/unit)					
Seed 60 00					
Urea (kg) 8 20					÷
14-14-14 (kg) 6.80 Decis 2.5EC (&r) 476.00		1			
Trichogramma (cards) 150	<b>i</b>	ì			
2-4D Amine AC (ftr) 450 CO					
Wages (peso/mad/md)	ļ ·	•			* * * * * * * * * * * * * * * * * * * *
Hired labor/mad 120 00		. [			
Hired labor/md 60 00					1
Costs (peso)	5.				
Seed	1,200	1,200	1,200	1,200	1,200
Urea	1,558	1,558	1,558	1,558	1,568
14-14-14	816	816	816	816	816
Decis 2 5EC (ftr)	476	476	476	476	476
Trichogramma (cards)	210	210	210	210	210
2-4D Amine AC Eabor	900 5,520	900	900	900	900
Total Recurrent Costs	10,680	5,520 10,680	5,520 10,680	6,520 10,680	5,520 10,680
		10,000	70,000	10,000	10,000
D. RETURNS	[	:	. :		
Production (ton/ha)	200	2 40	2.60	2 80	3 00
Revenue(peso) at 7500 Pesotion	15,000	18,000	19,500	21,000	22,500
Cash Flow Projections	5			1.0	
inflow					
Sales	15,000	18,000	19,500	21,000	22,500
Farmet Contribution					,
(Half of labor costs)	2,760	2,760	2,760	2,760	2,760
toan		٠ . ا			
Investment - Working capital	2,136 10,680		0	اً	
ito ong capnar	30,576	20,760	22,260	23,760	25,280
Outflow	55,510	20,100	22,200	25,700	23,200
Investment	2,136	ì		Ì	
Recurrent costs	10,680	10,680	10,680	10,680	10,680
* * *	12,816	10,680	10,680	10,680	10,680
Net income before debt	17,760	10,080	14.500	12.000	
Loan outstanding	12,816	10,080	11,580 7,690	13,080 5,126	14,580 2,563
Interest due	2,583	2,051]	1,538	1,025	- 2,003 - 513
Dobt service					
Interest	2,563	2,051	1,538	1,025	513
Repayment	2,563	2,563	2,563	2,563	2,563
Net income after detal service			3 490	<b>.</b>	
Net income after detail service  Cumulative net income	12,634 12,634	5,466 18,100	7 479 25 578	9,492 27,591	11,504 37,082
Manufays of family tabor	17	10,100	23.378	17	37,062
Cumulative mandays	17	34	51	. 68	85
Average net return/manday	743	532	502	406	436
	i	1			
Financial analysis Paratus from color	45.44				
Revenue from sales	15,000 12,816	18,000	19 500	21,000	22,500
Cosh outhous		10,680	10,680	10,680	10,680
Cash outflow Net cash flow			8 6 44	10.000	
Cash outhow Net cash flow	2,184	7,320	8,820	10,320	11,820

Table 0.2-12%; FINANCIAL MODEL	FOR YELLOW	CORN PROD	UCTION: COP	CAVILLE		
One Hectare		Years 1	2	3	4	5-25
A. LABOUR REQUIREMENT (man-day)				• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
1. Plowing/harrowing/furrrowing		22	22	22	22	22
2. Planting (direct seeding)		6 10	6 19	6 10	6	6
3. Weeding/cultivation 4. Pertilizing		3	19	3	10 3	10 3
5. Spraying		3	3	3	š	3
6. Harvesting/hauling/postharves	ting	19	19	. 19	19	19
Total mad		29	29	29	29	29
Total ad.		34	34	34	34	34
B: INVESTMENT (peso)			Recurrent			
, , , , , , , , , , , , , , , , , , ,		1	Costs	Peso		
			•			
Capital Costs (% recurrent co	sts)	20.00	10,581	2,116		
A. PECUDERUM COCAC		V 1	Year 2	V-1- 1	· V	Y E
C: RECURRENT COSTS		Year 1	ieai 2	Year 3	Year 4	Year 5
Quantity						
Seed		. 20	20	20	20	20
Urea (kg)		190	190	190	190	190
14-14-14 (kg) Decis 2.5EG (ltr)		120 1	120	120	120	120 1
Trichogramma (cards)		140		140	140	140
2-4D Amine AC (1tr)		2	2	2	2	2
Prices (peso/unit)	60.00					
Seed Orea (kg)	7.50				:	
14-14-14 (kg)	6.90					
Decis 2.5EC (ltr)	430.00					
Trichogramma (cards)	1.50					
2-4D Amine AC (ltr)	484.00					
Wages (peso/mad/md)						
Hired labor/mad Hired labor/md	120.00					
######################################	00.00					
Costs (peso)						
Seed		1,200	1,200	1,200	1,200	1,200
Urea		1,425	1,425	1,425	1,425	1,425
14-14-14		828	828	828	828	828
Decis 2.5EC (itr) Trichogramma (cards)		43G 210	43G 210	430 210	430 210	430 210
2-4D Amine AC		968	968	968	968	968
Labor		5,520	5,520	5,520	5,520	5,520
						10.501
Total Recurrent Co	Sts	10,581	10,581	10,581	10,581	10,581
D: RETURNS						•
Production (ton/ha)	1 :	2.16	2.70	2.96	3.24	3.50
Dama-wat1 -1 -6000	Ba (4		76 443	14 016	10 777	23 316
Revenue(peso) at 6090	Peso/ton	13,154	16,443	18.026	19.732	21,315
CASH PLOW PROJECTIONS				•		
	Year 1	2	3	4	5-25	÷
Inflow Sales	13154	16443	18026	19732	21315	
Farmer Contribution		20175	10020			
(Balf of labor costs)	2760	2760	2760	2760	2760	
Loan	2216					
<ul> <li>Investment</li> <li>Working capital</li> </ul>	2116 10581	. 0	0	·· · o	. 0	
· manage wagen to a						
	28612	19203	20786	22492	24075	
Outflow						
Investment	2116					
Recurrent costs	10581	10581	10581	10581	10581	
	the second second	*****				
	12697	10581	10581	10581	10581	100
Net income before debt	15914	8622	10205	11911	13494	
Loan outstanding	12697	10158	7618	5079	2539	•
Interest due at 20 1	1375	1100	825	550	275	
Debt service	1		0.55		334	
Interest Repayment	1375 2539	1102 2539		\$50 2539	275 2539	
Net Income after debt service	12000	4983	6841	8821	10680	
Cumulative net income	12000	16983	23823	25804	34503	
Manageria and Manageria						
Mandays of family labor Cumulative mandays	17 17	17 34	17 51	17 68	17 85	
Average net return/manday	706	39 499	167	379	426	
	591	312	293	247	258	
Pinanoial analysis		1000		10222	*****	
Revenue from sales Cash outflow	13154 12697	16443 10581	18026 10581	19732 10581	21315 10581	
COM CULTUR	16031	10381	14706	10701	14191	
Net cash flow	457	5862	7445	9151	10734	

Table 0.2-12 Financial Model for	rellow C	ORN Produc	tion: SIL	E		
One Hoctare  A. LABOUR REQUIREMENT (man-day)		Years 1		3		5-25
		22	22	22	22	55
1. Plowing/harrowing/furrrowing 2. Planting (direct seeding)		5	6	6	6	6
<ol><li>Weeding/cultivation</li></ol>		10	10	10 3	10 3	10 3
4. Fertilizing 5. Spraying		3	3	3	3	3
6. Harvesting/hauling/postharves	ting	19	39	19	19	19
main) = 18		. 29	29	29	29	29
Total maš Total md.		34	34	34	34	34
		*******	Recurrent	*******	. ******	
8: INVESTMENT (poso)		3	Costs	Peso		
•				5 384		
Capital Costs		.20	11,421	2,284		
C: RECURRENT COSTS		Year 1	Year 2	Year 3	Year 4	Year 5
Quantity						
Seed		20	20	20	20 190	20 190
Urea (kg)		190 120	190 120	190 120	120	120
14-14-14 (kg) Decis 2.5EC (ltr)		. 1	1	ì	1	1
Trichogramma (cards)		140	340	149 2	140	149
2-4D Amine AC [ltr]		-	•	_	_	
Prices (peso/unit)						
Seed Urea (kg)	60.00 7,50					
14-14-14 (kg)	6.80					
Decis 2.5EC (1tr)	1.50					
Trichogramma (cards) 2-4D Amine AC (ltr)	450.00			1		
Wages (peso/mad/m1)						
Hired labor/mad Hired labor/md	140.00					
		•				•
Costs (peso)		1,200	1,200	1,200	1,200	1.200
Sced Urea		1.425	1.425	1.425	1,425	1,425
14-14-14		816 430		816 430	816 430	816 430
Decis 2.5EC (itr) Trichogramma (cards)	***	210		210	210	210
2-40 Amine AC		900		900 6,440	900 6,440	900 5,440
Labor		6,440				
Total Recurrent C	osts	11,421	11.421	11,421	11.421	11,421
D. RETURNS		100				- 1
		2.16	2.70	2.96	3.24	3.50
Production (ton/ha)		2.10	*******			
Revenue(peso) at 5020	Peso/ton	10,843	13,554	14,859	16,265	17,570
CASA FLOW PROJECTIONS						
CHOIL I DOW + NOT DOTTO	Year 1		3	4	5-25	
Inflow	******					
Sales	10843.2	13554	14859.2	16264.8	17570	
Farmer Contribution (Maif of labor costs)	3220	3220	3220	3220	3220	
Loan		*				
<ul> <li>Investment</li> <li>Working capital</li> </ul>	2284 11421		. 0	0	. 0	
			18010	19485		
Outflew	21160	16774	10077	11101	20,,,,	
Investment	2281		11421	11421	11421	
Pecurrent costs	11421					
	13705	11421	11421	11421	11421 9369	
Net income before debt Loan outstanding	14063	10964	8223	5482	2741	
Interest due (20%)	2741	2193	31421 6658 8223 1645	1095	548	
Debt service Interest			1645	1096	548	
Repayment	2741	2741	2741	2.71	2741	
Net Income after debt service Complative net income	8581 8581	439 9000	2272 11272	13227	6080 17352	
and the second s						
Mandays of family labor	17	17	17 51	17 68		
Cumulative mandays Average net return/manday	\$05	265	17 51 221 293	195	204	
	591	342	293	247	258	
Financial analysis Revenue from sales	10843	13554	14659 11421	16265	17570	
Cash outflow	13705	11421	11421	11421	13471	
Net cash flow	-2862	2133	3438	4844	6149	

Table 0.2-13 Financial Model for Garlic Production at Sappaac (One Hectare)

To the control of the	- recarey	· · · · · · · · · · · · · · · · · · ·		YEAR	-	c . resumentation of 147
	Ì	7	2	3		5
CABOUR REQUIREM	NT (man-day)					
<ol> <li>Land preparation</li> </ol>		4	4 88	4 88	88	4 : 88
Preparing cloves/pla     Factions	enting	88 7	∞,	7	7	7
Fertilizing     Watering	•	6	6	δ	6	6
5 Weeding/spraying		30	30	30	30	30
6. Harvesting/sorting/o	drying	10	10	10	10	10
7. Sorting/drying		5	5	5	5 40	5 40
8. Cleaning/classifying	y/bundling	9.5	40 9.5	9.5	9.5	95
Total mad Total md		180.5	1805	1805	180.5	180.5
TO CALLESS		100.01				
			Peso/	Total		
B. INVESTMENT (peso)		<u>Q</u> tγ	<u>unit</u>	Peso 40.000		
1.Water pump & host	s etc.	1 2	16,000 2,000	16,000 4,000		
<ol> <li>Knapsáck sprayer</li> <li>Other farm impleme</li> </ol>	ate '	2	2 000	4,000		
5. Office for it impleme		_		24,000		
C. RECURRENT COSTS	į	T				
Quantity				420	420	420
Bulbs (kg)	Urea (kg)	420 50	420 50	50	50	50
Fertilizer	Urea (kg) 0-0-60 (kg)	55	55	55	55	55
	16-20-0 (kg)	320	320	320	320	320
Chemicals	Malathion (Itr)	2	. 2	2	2	2
• I		]	ŀ			
Prices (pesolunit)	•	60.00		l		
Seeds (peso/kg) Fertilizer	Urea (peso/kg)	7.80				
Fertilger	0-0-60 (peso/kg)	4.66				
	16-20-0 (peso/kg)	6.70		· .	·	
Chemicals	Malathion (peso/2lt)	251.00				
Labor (mad)		140.00			· .	
Labor (md)		70.00			!	•
Conta (mann)		l			: [	
Costs (peso) Seeds (peso)		25,200	25,200	25,200	25,200	25,200
Fertilizer	Urea (peso)	390	390	390	390	390
	0-0-60 (peso)	256	256	256	256	. 256
	16-20-0 (peso)	2,144	2,144	2,144	2,144	2,144 500
Chemicals	Maiathion (peso)	502	502 13,965	502 13,965	502 13,965	13.96
Labor	(peso)	13,965 42,457	42,457	42,457	42,457	42.45
D. RETURNS						
Yield (ton/ha)		1.90	2.08	2 25	2.42	2.60
Revenue (peso) at	60,000 peso/lon	114,000	124,800	135,000	145,200	156,000
Cash Flow Projection Inflow	·\$			:		•
Sales		114,000	124,800	135,000	145,200	156,00
Farmer Contribution		1 1				
(Half of labor costs)		6,983	6,983	6,983	6,983	6,98
Loan		ا ممما				
- investment	•	24,000 42,457				
- Working capital Total inflow		187,445	131,783	141,983	152,183	162,98
		<u> </u>				
Outrow				*		* 1
Investment	:	24,000	42,457	42,457	42,457	42,45
Recurrent costs		42,457 66,457	42,457	42,457	42,457	42,45
Total outflow		- 20,421	74,701	72,701		
Net income before deb	t state	120,983		99,525	109,725	120,52
Loan outstanding		66,457	53,166	39,874	26,583	13,29
Interest due (at 20%)	02	13,291	10,633	7,975	5,317	2,65
Debt service		13,291	10,633	7,975	5,317	2,65
Interest Repayment		13,291	13,291	13,291	13,291	13.29
Amortized years	5	10,20	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
, provided jobs	*	1				
Net Income after debt	service	1,620		78,259	91,117	104,57
Cumulative nel income		1,620				340,97 9
Manuays of family labor	х .	95 95		95 285		47
		95 17		200 510	•	7
Cumerative manday	aday		- 333	510	I ~~*	
	nday	1				I
Cumerative manday Average not return/ma	nday					
Cumerative manday	nday	114,000		135,000		
Cumerative manday Average net return/ma Financial enabysis Revenue from sales Cash outflow	nday	114,000 66,457	42,457	42,457	42,457	42,4
Cumerative manday Average not return/ma  Financial analysis Revenue from sales	nday	114,000	42,457	42,457	42,457	42,4

Table 0.2-14 Financial Model for Mungbean Production at Sappaac (One Hectare)

1	antik 1838 amanya mahayan dagayar gariyara, mahayib di shaqalaydan di Apartayasinda (1916), y			YEAR		
L.		4	2	3	4	5-25
ĮĀ.	CABOUR REQUIREMENT (man-day)					
ı	Plowing/harrowing/furrrowing     Planting disease disease	20	20	20	20	20
ı	2. Planting (direct seeding) 3. Weeding/cultivation	8	8	8 4	8	8
ı	4. Fedilizing	2	2	2	2	2
ı	5. Spraying	. 6	6	6	6	6
ı	6. Harvesting/hauling	- 10	10	10	10	10
ı	7. Treshing/drying/cleaning	9	9	9	9	9
ı	Total mad	20	20	20	20	20
ı	Total md.	39	39	39	39]	39
ls.	INVESTMENT (peso)		. Peso/			
	(4333)	<u>%</u>	<u>unit</u>	Peso		
t	1. Capital Costs (at 20 % of recurrent)	0.20	8,137	1 627		
l				1,627		
Ļ	RECURRENT COSTS			r	· · · · · · · · · · · · · · · · · · ·	
ľ	Quantity					
ı	Seed	25	25	25	25	25
1	14-14-14 (kg)	150	150	150	150	150
1	Furadan 3g. (kg)	16	16	16	16	16
	· .					
1	Prices (pesolunit) Seed 24.72					
1	Seed 24.72 14.14.14 (kg) 6.85		i			
1	Furadan 3g. (kg) 60.09					
ı						
ı	Wages (peso/mad/md)	:				
L	Hired labor/mad 140,00					
	Hired labor/md 70.00	1.50				
1	0.000 (2.000)	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
1	Costs (peso) Seed	618	618	618	618	618
ı	14-14-14	1,028	1,028	1.028	1,028	1,028
1	Furadan 3g (kg)	961	961	961	961	961
1	Labor	5,530	5,530	5,530	5,530	5,530
ı	Total Recurrent Costs	8,137	8,137	8,137	8,137	8,137
L	RETURNS					
۱۳.	Production (ton/ha)	0.66	0.72	0.78	0.84	0.90
ŀ	Revenue(peso) at 24720 Pesotion	16,315	17,798	19.282	20,765	22,248
ı			***	15,252		22,270
	Cash Flow Projections					
1	Inflow					
ı	Sales Fermer Contribution	16,315	17,793	19,282	20,765	22,248
ľ	(Half of labor costs)	2,765	2,765	2,765	2,765	2,765
Ι,	Loan	2,700	2,103	2,103	2,103	2,700
1	- Investment	1,627	0	1 1		
1	- Working capital	8,137	0	0	: o	. 0
1		28,844	20,563	22 047	23,530	25,013
1	Outflow Investment	4				
1	Recurrent costs	1,627 8,137	8,137	8,137	8,137	4437
	iovanioni posta	9,764	8,137	8 137	8,137	8,137 8,137
1				0,107		0,137
	Net income before debt	19,080	12,426	13,910	15,393	16,876
	Loan outstanding	9,764	7,811	5,859	3,906	1,953
1	Interest due at 20 % 0.2	1,953	1,562	1,172	781	391
1	Debt service Interest	1,953	1,562	4 475	781	
1	Repayment	1,953	1,562	1,172 1,953	1,953	391 1,953
1		1,000	,,,,,,,	1,555	""	1,500
1	Net income after debt service	15,174	8,911	10.786	12,659	14,533
1	Cumulative net income	15,174	24,085	34.871	36,744	49,403
1	Mandays of family labor	30	30	30	30	30
-	Cumulative mandays	30	59	89	118	148
	Average net return/manday	514	408	394	311	335
	Financial analysis					
1	Revenue from sales	16,315	17,798	19,282	20,765	22,248
1	Cash outflow	9,764	8,137	8,137	8,137	8,137
	Net cash flow	6,551	9,661	11,145	12,628	14,111
1						
	FIRR = . >50 %					

Table O.2-15 Financial Model for Mungbean Production: Cofcaville (One Hectare)

		2 [	YEAR 1		5-25
A LABOUR REQUIREMENT (man-day)		<u> </u>			D-53
LABOUR REQUIREMENT (mari-day)     Plowing/harrowing/furrowing	20	20	20	20	20
Planting (direct seeding)	8	8	8	8	
3. Weeding/cultivation	4	4	4	ă	2
4. Fertilizina	i ži	2	2	2	
5. Spraying	6	6	6	6	
6. Harvesting/haufing	10	10	10	10	10
7. Treshing/drying/cleaning	9	9	9	. 9	
Total mad	20	20	20	20	24
Total md.	39	39	39	39	3:
B. INVESTMENT (peso)					
	<u>%</u>	Peso/unit	<u>Peso</u>		
1. Capital Costs	20	7,239	1,448		
	1		1,448		
C. RECURRENT COSTS					
Quantity					
Seed	25	25	25	25	2
14-14-14 (kg)	150	150	150	150	15
Furadan 3g. (kg)	16	16	16	16	1
Pode 4 6 - 140	1				
Prices (peso/unit) Seed 20.14	.1		:		'
					1
Furadan 3g. (kg) 60.00	' [	,	:		
Magaz logs almodied	1				
Wages (peso/mad/md) Hired labor/mad 120.00	, [		- 1	. :	
Hired tabor/md 60.00					
rated (Soormal Co.co.	<b>' l</b>				
Costs (peso)		· ·			3.5
Seed	504	504	504	504	50
14-14-14	1,035	1,035	1,035	1,035	1.03
Furadan 3g. (kg)	960	960	960	960	96
Labor	4,740	4,740	4,740	4,740	4,74
Total Recurrent Costs	7,239	7,239	7,239	7.239	7,23
TOMITTOGRAPH GVS	1,200		.,,,,,		
D. RETURNS					. 1
Production (ton/ha)	0.66	0.72	0.78	0.84	0.9
Revenue(peso) at 24720 Pesotor		17,798	19,282	20,765	22.24
			***		
Cash Flow Projections		. !	·	1 1 1 1	
Inflow	. *		· ·		
Sales	16,315	17,798	19,282	20,765	22,24
Farmer Contribution					
(Half of labor costs)	2,370	2,370	2,370	2,370	2,37
Loan					
- Investment	1,448	0			
- Working capital	7 239	0	0	0	
•	27,371	20,168	21,652	23,135	24,61
Outflow					
Investment	1,448				
Recurrent costs	7.239	7,239	7,239	7,239	7,23
	8,686	7,239	7,239	7,239	7,23
Net income before debt	18,685	12,930	14,413	15,896	17,38
Loan outstanding	8,686	6,949	5,212	3,474	1,73
Interest due (20%)	1,737	1,390	1,042	. 695	1
<u>Debt service</u>					
Interest	1,737	1,390	1,042	695	
Repayment	1,737	1,737	1,737	1,737	1,73
					. قد عرو
Net income after debt service	15,211	9,803	11,634	13,464	15,64
Cumulative net income	15,211	25,014	36,647	38,478	52,29
Mandays of family labor	30		30	30	3
Cumulative mandays	30	59	89	118	14
Average net return/manday	516	424	414	326	35
<u></u>	1				
Financial analysis	40.04	4	46.554	AA =A=	00.0
Revenue from sales	16,315	17,798	19,282	20,765	22,24
Cash outlow	8,686		7,239	7,239	
Net cash flow	7,629	10,560	12,043	13,526	15,01
	1	1 1		1	1
FiRR = > 50 %	i i				

Table 0.2-16 Financial Model for Mungbean Production: Marangog (One Hectare)

			YEAR		
alar yang gang anj siyo digila gang gang yang ngang nga gang sagang nga bang nga bang nga bang nga bang nga sa	1	2	3		5-25
LABOUR REQUIREMENT (man-day)					_
Ploving/harroving/furrroving	20	20	20	20	2
Planting (direct seeding)	8	8	8	8	
3. Weeding/cultivation	4	4	4	4	
4. Fertilizing	2	2	2	2	
5. Spraying	6	6	6	6	
6. Harvesting haufing	10	10]	10	10	1
7. Treshing/drying/cleaning	9	9]	9	9	
Total mad	20	20	20	20	2
Total md.	39	39	39	39	3
INVESTMENT (peso)	1	Recurrent			
	<u>%</u>	<u>Cost</u>	Peso		
1, Capital Costs	20	7,188	<u>1,438</u>		
·			1,438		
RECURRENT COSTS					
Quantity				İ	
Seed	25	25	25	25	2
14 14-14 (kg)	150	150	150	150	15
Furadan 3g. (kg)	16	16	16	16	1
3 1 3					
Prices (peso/unit)	1				
Seed 18.94	·				
14-14-14 (kg) 6.80			į		
Furadan 3g (kg) 59.65					
2000	1 1				
Wages (peso/mad/md)					
Hiced labor/mad 120.00	1 1 1				
Hired labor/md 60.00		1			
THOS WILDSTITE	i l	1			
Costs (peso)		*		1	
Seed	474	474	474	474	47
14-14-14	1,020	1,020	1,020	1,020	1.02
	954	954	. 954	954	95
Furadan 3g. (kg)	4,740	4,740	4,740	4,740	4,74
Labor Tatal Comment Confe	7,168	7,168	7,188	7,188	7,18
Total Recurrent Costs	7,100	7,190	7,100	7,100	7,10
). RETURNS					
The state of the s	0.66	0.72	0.78	0.84	
Preduction (ton/ha)		L	19,282	20,765	0.9
Revenue (peso) at 24,720 Peso/ton	16,315	17,798	19,202	20,763	22,24
Cash Flow Prolections	1		1		
Cash Flow Projections		i			
Inflow		اممح حما	40.000	00.705	00.0
Sales	16,315	17,798	19,282	20,765	22,24
Farmer Contribution		ا محمد ا			
(Half of labor costs)	2,370	2,370	2,370	2,370	2,37
Loan	1	ا ا			1.5
· Investment	1,438	1 -1			
- Working capital	7,188		0	0	
•	27,311	20,168	21,652	23,135	24,61
Outflow			i	-	
Investment	1,438	1			
Recurrent costs	7,188		7,188	7,188	7,18
	8,625	7,188	7,188	7,188	7,10
				]	: -
Net income before debt	18,685		14,464	15,947	17,4
Loan outstanding	8,626		5,176		1,7
Interest due (20%)	1,725	1,380	1,305	690	3-
<u>Debt service</u>	- N				
Interest	1,725		1,305	690	3
Repayment	1,725	1,725	1,725	1,725	1,7
and the second of the second o	Transfer of	1	}		
Net income after debt service	15,235		11,434		15,3
Cumulative nel income	15,235	25,110	36,544	38,642	51,9
	I				
Mandays of family labor	30		.30		;
Cumulative mandays	30		89		1
Average net return/manday	516	426	413	327	3
•	i				
Financial analysis	1			] !	
	16,315	17,798	19,282	20,765	22,2
Revenue from sales					7,1
Revenue from sales  Cash outflow	8,626	7,188	7,188	] (.100)	
	8,626 7,689				
Cash outflow					

Table O.2-17 Financial Model for Mungbean Production: Silae (One Hectare)

	L		<del></del>	YEAR		£ AE
		1	2	3	4	5-25
LABOUR REQUIREMENT (man-day)						_
Plowling/harrowing/futurowing		20	20	20	20	. 2
2. Planting (direct seeding)	i	8]	. 8	8	8	
3. Weeding/cultivation		4	4	- 1	4	
4. Fertilizing		2	- 2	2	2	
5. Spraying		6	6	6	6	
6. Harvesting/hauting		10	10	10	10	1
7. Treshing/drying/cleaning	- !	9	3]	9	9	
Total mad	Ţ.	20	20	20	20	7
Total md.	-	39	39	39	39	
	- 1					
. INVESTMENT (peso)			Recurrent	•		
		%	Cost	Peso		
1. Capital Costs		20.00	7,983	1,597		
1. Ceptal Costs			.,	1,597		
			•	1,001		
APAUANTUT AAATA	ŀ					
, RECURRENT COSTS	- 1		• 1	ì	·	
Quantity	1	1				
Seed		25	25]	25	25	
14-14-14 (kg)	- 1	150	150	150	150	1:
Furadan 3g. (kg)	- 1	16	16	16	-16	
	į					
Prices (peso/unit)	j		j		•	
	19.14		· [			- 1
14-14-14 (kg)	6.80	1		:	1	
	59.65	1			-1.	
( disposit vg. (ng)	ا 3,00	1			<u></u>	
Manage for an a found found	1		•			
Wages (peso/mad/md)	اممما			4	1	
	40.00	[				
Hired labor/md	70.00					
Costs (peso)			4.75			
Seed		479	479	479]	479	4
14-14-14	.	1,020	1,020	1,020	1,020	1,0
Furadan 3g. (kg)	- 1	954	954	954	954	9
Lebor	- 1	5,530	5,530	5,530	5,530	5,5
Total Recurrent Costs	. 1	7 983	7,983	7,983	7,983	7,9
Total Noontelle Cooks	-					
, RETURNS						
	0.60	0.66	0.72	0.78	0.84	0.
Production (ton/ha)		16,315	17,798	19,282	20,765	22,2
Revenue(peso) at 24720 Peso/I	ICYI .	10,313	17,750	19,202	20,103	22,2
	200	j				
Cash Flow Projections	1.0	: 1				100
Inflow						
Sales		16,315	17,798	19,282	20,765	22,2
Farmer Contribution		[				
(Half of lebor costs)	. !	2,765	2,765	2,765	2,765	2,7
Loan		i				
- Investment		1,597	. 0			
- Working capital		7,983	0	. 0	o	
	1	28,660	20,563	22,047	23,530	25,0
Outflow						
Investment	l	1,597		·		
Recurrent costs		7.983	7,983	7,983	7,983	7,9
Accounted costs	. : F	9,580	7,983	7,983	7,983	7,9
	J	9,000	,,303	,,503	,,303	
blat Income hefore data	I	19,080	. 12,581	14,064	15,547	17,0
Net income before debt						
Loan outstanding	I	9,580	7,664	5,748	3,832	1,9
Interest due (20%)		1,916	1,533	1,150	766	3
<u>Debt service</u>						
Interest	- 1 - I	1,916	1,533	1,150	766	3
Repayment		1,916	1,916	1,916	1,916	1,9
Net income after debt service	. !	15,248	9,132	10,998	12,865	14,7
Cumulative net income	ì	15,248	24,380	35,377	37,245	50,1
Mandays of family lebor	ł	30	30	30	30	
Cumulative mandays	[	30	59	89	118	1
Average net return/manday	- 1	517	413	400	316	3
weathe restrictions and	i	917	313	400	310	
Pleasatat seat sta	Į					
Financial analysis	1	أسممه	43.744	40.000	00.200	~~
Revenue from sales	ł	16,315	17,798	19,282	20,765	22,2
Cash outflow	1	9,580	7,983	7,983	7,983	7,9
Net cash flow	ł	6,735	9,816	11,299	12,782	14,2
100000000000000000000000000000000000000				1		•
FIRR • >50 %	i				1	

Table 0.2-18 Financial Model for Peanut Production at Sappaac (One Hectare)

	<del></del>	2	YEAR 3	·····	
LABOUR REQUIREMENT (man-day)	1	7		4	5-25
	9.5	4.		ام	
Plowing harrowing furnowing     Place of the standard and the standar	20 6	20	20	20	:
Planting (direct seeding)	-	6	6	6	
3. Weeding/cultivation	10	10	10	10	
4. Fertilizing	3 3	3	3	3	
5. Spraying		- 1	* 1	3	
6. Harvesting/postharvest	12 24	12	12	12	
Total mad Total md	29 30	30	30	24 30	
Tosa mg.	30]	301		301	
. INVESTMENT (peso)		Recurrent	Total		
. nestorment (peso)	<u>%</u>	Cost	Peso		
1. Capital Costs	0 20	9,787	1,957		
i. copiai cosis	010	5,.07	1,957		
			1,001		
RECURRENT COSTS			<del></del>		
Quantity				1	
Seed	100	100	100	100	1
14-14-14 (kg)	200	200	200	200	2
Azodrin 202R (ltr)	. 3	3	3	3	•
Peconii Pozit (ia)	Ĭ	· "I	า	4	
Prices (peso/unit)	i			1	
Seed 20.00					
14-14-14 (kg) 6.85		` <b>!</b>		ļ	
Azodrin 202R (itr) 319.05				[	
reconstructed and 319.00				į	
Wages (peso/mad/md)				ĺ	
Hired labor/mad 140.00				- 1	
Hired labor/md 70.00		100		•	
(alled #500\(\text{(b)}\)	•			1	
Costs (mana)				1	
Costs (peso) Seed	2000	2 200	200	2 000	
	2,000	2,000	2,000	2,000	2.0
14-14-14	1,370	1,370	1,370	1,370	1,3
Azodrin 202R (ltr)	957	957	957	957	9
Labor	5,460	5,460	5,460	5,460	5,4
Total Recurrent Costs	9,787	9,787	9,787	9,787	9.7
			[		
D. RETURNS					
Production (ton/ha) 0.60	0.66	0.72	0.78	0.84	0.
Revenue(peso) at 13,870 Pesotion	9,154	9,986	10,819	11,651	12,4
			. [		
Cash Flow Projections		l	[		
Inflow					٠
Sales	9,154	9,955	10,819	11,651	12,4
Farmer Contribution					
(Half of labor costs)	2,730	2,730	2,730	2,730	2,7
Loan				1	
- Investment	1,957	0	- 1		
- Working capital	9,787	0	0	0]	:
	23,629	12,716	13,549	14,381	15,2
Outflow	]	[		- T	
Investment	1,957				
Recurrent costs	9,787	9,787	9,787	9,787	9,7
	11,745	9,787	9,787	9,787	9,7
	l mail		Ι		
Net income before debt	11,884	2,929	3,761	4,594	5,4
Loan outstanding	11,745	9,396	7,047	4,693	2,3
Interest due et 6 % * 0.06	705	564	423	282	1
Date and a second	<u>.</u> .		1		
Debt service "Max affordable interest re					
Interest	705	564	423	282	1
Repayment	2,349	2,349	2,349	2,349	2,3
(Amortized yrs) 5			į		
Mathematica de la contraction					
Net Income after debt service	8,831	17	990	1 963	2,9
Cumulative net income	8,831	8,847	9,837	10,810	12,7
Mandays of family labor	15	15	15	15	
Cumulative mandays	15		45	60	
Average net return/manday	589	295	219	180	1
-	]		1		
			Ī		
Financial analysis				4444	12,4
Revenue from sales	9,154	_	10,819]	11,651	12,7
Revenue from sales Cash outflow	11,745	9,787	9,787	9,787	9,7
Revenue from sales		9,787			
Revenue from sales Cash outflow	11,745	9,787	9,787	9,787	9,7

Table 0.2-19 Financial Model for Peanut Production: Cofcaville (One Hectare)

	<del></del>		YEAR		- 2 AF
	1	2	3	4	6-25
L LABOUR REQUIREMENT (man-day)					
Plowing/harrowing/funrowing	20	20	20	20	20
Planting (direct seeding)	6	6	6	6	
3. Weeding/out/livation	10	10	10	10]	19
4. Fedfizing	3	3	3	3]	
5. Spraying	3	3	3	3]	
6. Harvesting/postharvest	12	12	12	12	1
Total mad	24	24	24	24	2
Total md.	30	30	30	30	34
				•	
B. INVESTMENT (peso)		Recurrent	Total		
'	<u>%</u>	Cost	Peso		
Cepital Costs	20	8,969	1.794		
i			1.794		
					·
C. RECURRENT COSTS	1+				
Quantity					
Seed	100	. 100	100	100]	10
14-14-14 (kg)	200	200	200	200	20
Azedrin 202R (lir)	3	3	3	3	
• •		l			
Prices (pesolunit)	i				
Seed 20.00			٧.,		
14-14-14 (kg) 6.90					
Azodrin 202R (tr) 307 85				l	
, 200141 EAST (41)				· .	
Wages (peso/mad/md)		:			
Hired lebor/mad 120.00	1				
Hired tabor/and 60.00		·			
1100 0001110			4.5	-	
Cash (masa)		•			
Costs (peso) Seed	2,000	2,000	2,000	2,000	2,00
	1,380	1,380	1,380	1,380	1,38
14-14-14				903	90
Azodrin 202R (Itr)	909	909	909		
Labor	4,680	4,680	4,680	4,680	4,68
Total Recurrent Costs	8,969	8,969	8,969	8,969	8,96
				**	
D. RETURNS					
Production (ton/ha)	0.66	0.72	0.78	0,84]	0.9
Revenue(peso) al 13,000 Peso/lon	8,580	9,360	10,140	10,920	11,70
	· ·	11		1	
Cash Flow Projections	·				:
Inflow				i. I	
Sales	8,580	9,360	10,140	10,920	11,70
Farmer Contribution					
(Half of liabor costs)	2,340	2,340	2,340	2,340	2,34
Loan					
- Investment	1,794	0			
- Working cepital	8,969	0	, O	0	
	21,682	11,700	12,480	13,260	14,04
		<del></del>			
Outflow					
Investment	1,794				
Recurrent costs	8,969	8,969	8,969	8,969	8,96
enocument occio	10,762	8,969	8,969	8,969	8,96
	10,102				
Net income before debt	10,920	2,731	3,511	4,291	5,07
Loan outstanding	10,762		6,458	4,306	2,15
Interest due (6.7%)1/	721		433	288	14
Debt service	, , , , ,	ł "''I	. 133	100	• • •
<del></del>	721	577	433	288	14
Interest			2 152	2,152	2,15
Repayment	2,152	2,152	2,102	2,102	2,13
A P & A P			:		
1/ Maximum affordable interest rate		[		1	
	l <u></u>	[			
Net Income after debt service	8,047	:2	926	1,851	2,77
Cumulative net income	8,047		8,976	9,901	11,74
Mandays of family labor	15	15	15	15	1
Cumulative mandays	15	30	45	60	7
Average net return/manday	536	268	199	165	15
	ŀ				
Financial analysis	Ī	[	,		
Revenue from sales	8,580	9,360	10,140	10,920	11,70
Cash outflow	10,762		8,969	8,969	8,96
Net cash flow	-2,182		1,171	1,951	2,73
		```	.,	"	
	0.43	1		! <b>i</b>	
FIRR = 43 %					

Table O.2-20 Financial Model for Peanut Production: Marangog (One Hectare)

(One nectare)					
			YEAR 3	4 1	5-25
A. LABOUR REQUIREMENT (man-day)	1	2	3		<b>⇒-</b> 43
LABOUR REQUIREMENT (man-day)     Ploving/harrowing/furrowing	20	20	20	20	20
Planting (direct seeding)	6	6	6	6	-6
3. Weeding/cultivation	10	10	10	10	10
4. Fertilizing	3	3	3	3	3
5. Spraying	3	3	3	3	3
Harvesting/postharvest	12	12	12	12	12
Total mad Total md.	24 30	24 30	24 30	24 30	24
i orai ind.	30	30]	30	30	30
B. INVESTMENT (peso)		Recurrent	Total		
	<u>%</u>	Cost	Peso		
1. Capital Costs	20	9,046	1,809		
			1,809		
C. RECURRENT COSTS	<sub>!</sub>	1		·	
Quantity					
Seed	100	100	100	100	100
14-14-14 (kg)	200	200	200	200	200
Azodrin 202R (ltr)	3	3	3	3	3
Prices (pesofunit)					
Seed 20.00 14-14-14 (kg) 6.80					
14-14-14 (kg) 6.80 Azodrin 202R (kr) 335-25					
740010120211 (41)					
Wages (peso/mad/md)					
Hired labor/mad 120.00					
Hired labor/md 60.00					
Costs (peso)		:			
Seed	2,000	2,000	2,000	2,000	2,000
14-14-14 Azodrin 202R (IIr)	1,360 1,006	1,360 1,006	1,360 1,006	1,360 1,006	1,360 1,006
Labor	4,680	4,680	4,680	4,680	4,680
Total Recurrent Costs	9,046	9,046	9,046	9,046	9,046
	<b> </b>				
D. RETURNS		1 .			
Production (Ion/ha)	0.66	0.72	0.78	0.84	0.90
Revenue(poso) at 13950 Peso/ton	9,207	10,044	10,881	11,718	12,555
Cook Flow Bratastians	100			11 1	
Cash Flow Projections Inflow	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,			
Sales	9,207	10,044	10,881	11,718	12,555
Farmer Contribution		(0,000			
(Half of labor costs)	2,340	2,340	2,340	2,340	2,340
Loan	•				
- Investment	1,809	0			, .
- Working capital	9,045		42.004		0
* *	22,402	12,384	13,221	14,058	14,895
Outflow					
Investment	1,809				
Recurrent costs	9,046		9,046	9,046	9,046
	10,855	9,046	9,046		9 046
Net income before debt	11,547	3,338	4,175		5,849
Loan outstanding Interest due (13.4%)1/	10,855	1	6,513		2,171
Debt service	1,455	1,164	873	582	291
Interest	1,455	1,164	873	582	291
Repayment	2,171		2,171		2,171
1/ Max effordable interest rate	1. The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	[ · · · ·			
I want in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se		:		<b>.</b>	
Net Income after debt service  Cumulative net Income	7,921		1,131		3,387
Cumulative net income  Mandays of family labor	7,921 15		9,056 15		12,443 15
Cumulative mandays	15		45		75
Average net return/manday	528		201	170	166
	```	•••		[	
Financial analysis					
Revenue from sales	9,207		10,881		12,555
Cash outflow	10,855		9,046		9,046
Net cash flow	-1,648	998	1,835	2,672	3,509
FIRR - 92 %	0.92	I			
32 %	0.82				
Let de la Autoritation de la communicación de	L	L	L.,		l

Table O.2-21 Financial Model for peanut Production: Silae (One Hectare)

在1975年1975年1975年1975年1975年1976年1976年1976年1976年1976年1976年1976年1976	***************************************			nang spinishan Papa ya Tanda Baya	
	<b></b>	I 3 1	YEAR 3	4-1	5-25
A LABOUR REQUIREMENT (man-day)	CONTRACT TO STATE OF THE STATE	-		**************************************	~~~
1. Plowing/harrowing/furrrowing	20	20	20	20	20
2. Planting (direct seeding)	6	6	6	6	(
3. Weeding/cultivation	10		10	10	11
4. Fertilizing	3		3	3	• ;
Spraying     Harvesting/postharvest	3	3 12	3 12	3 12	1
o, marvesung possiarvesi Total mad	24		24	24	
Total md.	30		30	30	3
					*******
3. INVESTMENT (peso)		Recurrent	Total		1
1, Capital Costs	<u>%</u> 20.00	<u>Cost</u> 9,729	<u>Peso</u> 1.946		
1, Capital Costs	20.00	3,123	1.946		•
C. RECURRENT COSTS		I			
Quantity			***	400	
Seed 14-14-14 (kg)	100 200	100 200	100 200	100 200	10 20
Azodrin 202R (tt)	3		3	3	. 20
1200,00200,007	.	]			
Prices (peso/unit)		] .	, '		1 1
	.00	]			4.
	.80				
Azodrin 202R (itr) 302	.85				
Wages (peso/mad/md)	į.		100		
Hired labor/mad 140	.00				
Hired labor/md 70	.00				
4				1	
Costs (peso)	3000	3000	2000	2000	- 200
Seed 14-14-14	2,000 1,360		2,000 1,360	2,000 1,360	2,00 1,36
Azodrin 202R (ltr)	909		909	909	90
Labor	5,460	5,460	5,460	5,460	5,46
Total Recurrent Costs	9,729	9,729	9,729	9,729	9,72
		,			100
D. RETURNS Production (ton/ha)	0.65	0.72	0.78	0.84	: 0.9
Revenue(peso) at 13,870 Pesotor		L	10,819	11,651	12,48
	,				
Cash Flow Projections				4.5	
Inflow	0.454	0000	40.040	44.004	10.10
Sales Farmer Contribution	9,154	9,986	10,819	11,651	12,48
(Half of labor costs)	2,730	2,730	2,730	2,730	2,73
Loan		[		_,	-1
- Investment	1,946	0			
- Working capital	9,729		0	0	
A. 48	23,559	12,716	13,549	14,381	15,21
Outflow Investment	1,946				
Recurrent costs	9,729		9,729	9,729	9,72
	11,675		9,729	9,729	9,72
Net income before debt	11,834		3,820 7,005	4,652 4,670	5,48 2,33
Loan outstanding Interest due (6.9%) 1/	11,675 806		483	322	2,33
Debt service	.		~~		
Interest	806		483	322	16
Repayment	2,335	2 335	2,335	2,335	2,33
Alba America Mangatale Carre America					
1/ Maximum affordable interest rate					1000
Net Income after debt service	8,743		1,002	1,995	2,98
Cumulative net income	8,743			10,747	12,74
Mandays of family labor	15	15	15	15	1
Cumulative mandays	15		45	60	7
Average net return/manday	583	292	217	- 179	17
Einanciat analysis				. 1	
<u>Financial analysis</u> Revenue from sales	9 154	9 986	10819	11.651	12.48
Financial analysis Revenue from sales Cash outflow	9,154 11,675			11,651 9,729	12,48 9,72
Revenue from sales		9,729			

Table O.2-22 Financial Model for Squash Production: Marangog (One Hectare)

	r	<del>5</del> 1	YEAR		5-25
LABOUR REQUIREMENT (man-day)		2		<u> </u>	2-52
LABOUR REQUIREMENT (man-day)     Plowing/harrowing/furrrowing	21	21	21	21	12
2 Planting	[8]	[8]	ė	a	•
3 Weeding/cultivation	1 10	10	10	10	1
4. Fedilizing	3	3	3	3	
5 Spraying	6	6	6	6	
6 frrigation/drainage	9	8	9	9]	
7. Harvesting/hauling	28	28	28	28]	
Total mad	26	26	26	26	
Total mo	59	59	59	59]	
. INVESTMENT (peso)		Recurrent	0		÷
1 Capital Costs	<u>%</u> 20	<u>Cost</u> 11,135	Peso 2 227 2 227		
. RECURRENT COSTS	<u> </u>				
Quantity					
Seed (kg)	4	4	4	4	
Urea (kg)	50	50	50	50	
0.0-60 (kg)	55	55	55	55	
16-20-0 (kg)	320	320	320	320	32
Malathion (tr)	2	2	2	2	
Prices (pesofunit)		ĺ			
Seed (kg) 300 00			į		
Urea (kg) 8 20	1		l		
0-0-60 (kg) 4 90	1			1	
16-20-0 (kg) 6-60	] .]			1	
Malathion (itr) 241.50					
Wages (peso/mad/md)					
Hired labor/mad 120 00			•	I	
Hired labor/mid 60 00				I	
				* [	
Costs (peso)			1	, I	-
Seed	1,200	1,200	1,200	1,200	1,2
Urea	410	410	410	410	4
0-0-60	270	270	270	270	2
16-20-0	2,112	2,112	2,112	2,112	2,1
Mafathion	483	483	483	483	4
Labor	6,660	6,660	6,860	6,660	6.6
Total Recurrent Costs	11,135	11,135	11,135	11,135	11,1
). RETURNS	1				
Production (for/ha)	2 34	2.56	2.77	2 98	3
Revenue(peso) at 5,500 Pesoton	12,870	14,080	15,235	16,300	17,6
alaba i addition	1,,,,,	,550			
Cash Flow Projections			1.0		
Inflow					
Sales	12,870	14,080	15,235	16,390	17,6
Farmer Contribution (Half of labor costs)	3,330	3,330	3,330	3,330	3,3
Loan	1	3,34	-,500	J	0,0
<ul> <li>Investment</li> </ul>	2,227				
Working capital	11,135	0	0	- 0	
0	29,562	17,410	18,565	19,720	20,9
Outflow Investment	2,227			.	
Investment Recurrent costs	11,135	11,135	11,135	11,135	11,1
recorded costs	13,362	11,135	11,135	11,135	
		<del></del>			
Net income before debt	16,200	6,276	7,431	8,586	9,7
Loan outstanding	13,362			5,406	2,7
Interest due (20%)	2,672		1,611	1,081	5
<u>Debt service</u>	1	l		<b>.</b>	
Interest	2,652		1,591	1,061	5
Repayment	2,672	2,672	2,672	2,672	2,6
Net Income after debt service	10,876	1,482	3,168	4,653	6,5
Cumulative net income	10,876		15,525	17,210	22,1
Mandays of family labor	43		43	43	,.
Cumulative mandays	43			170	2
Average net return/manday	256		122	101	1
<b>*</b> ***********************************					
Financial analysis	4			40.000	
Revenue from sales	12,870			16,390	17,6
Cash outflow Net cash flow	13,362			11,135 5,256	11,1 6,4
GET GOSH IKAM	-492	2,340	4,101	3,230	0,4
FIRR = >50 %	1				
	1	1	1		

Table 0.2-23 Financial Model for Sweet Potato Production at Sappaac (One Hectare)

AND THE CONTRACT OF THE CONTRA			YEAR		- 67
and the state of t		2	3	4	5-25
LASOUR REQUIREMENT (man-day)	90	92	22	22	3
Plowing/harrowing/furrowing	22	22	55	22 6	2:
2. Planting	6	6	. 6	-	
Weoding/cultivation	10	10	10	10	10
4. Fertifizing	2	2	2	2	
5. Spraying	2	2	2	2	
6. Harvesting/postharvest	31	31	31	31	3
Total mad	30	30	30	30	30
Total rad.	43	43	43	43]	4
3. INVESTMENT (peso)	.,	5	<b>0</b>		
	<b>%</b>	<u>Peso/unit</u>	<u>Peso</u>		
1. Capital costs (20% of recurrent cost)	0.20	16,471	<u>3,294</u>		
			3,294		
RECURRENT COSTS		l	İ	ĺ	
Quantity	50,000	50,000	50,000	50,000	50.00
Seedlings	50,000 100	100	100	100	10
0-0-60 (kg)	1		200	200	20
16-20-0 (kg)	200	200	200	2001	20
Lennate EC (Ir)		1	- 1	34	3
Furedon 3G (kg)	34	34	34	34	
_ :	1 1	,		1	
Prices (peso/unit)	ا ا				
Seedlings 0.1	-	1			
0-0-60 (kg) 4.6		{		I	
16-20-0 (kg) 6.7		!		, 1	
Lannate EC (tr) 415.0	-				1
Furadon 3G (kg) 60.0	0   .		·	A 1	
•					
Wages (peso/mad/md)	_	-			
Hired labor/med 140.0					
Hired labor/md 70.0	0	* .		. '	
Costs (peso)					
Seedlings	5,000	5,000	5,000	5,000	5,00
0 0-60 (kg)	466	466	466	466	46
16-20-0 (kg)	1,340	1,340	1,340	1,340]	1,34
Lannale EC (kr)	415	415	415	415	. 41
Furadon 3G (kg)	2,040	2,040	2,040	2,040	2,04
Labor	7,210	7,210	7,210	7,210	7,21
Total Recurrent Costs	16,471	16,471	16,471	16,471	16,47
	{				· .
D. RETURNS					
Production (lon/ha)	4.98	5.44	5.89	6.34	6.8
Revenue(peso) at 6,950 Peso/ton	34,611	37,808	40,936	44,063	47.26
	: [		1 . II		÷.
Cash Flow Projections					
wollni					47.00
Sales	34,611	37,808	40,936	44,063	47,26
Farmer Contribution			الملاط		
(Half of labor costs)	3,605	3,605	3,605	3,605	3,60
Loan		.			
Investment	3,294			اد	
<ul> <li>Working capital</li> </ul>	16,471		0	0	
	57,981	41,413	44,541	47,668	50,8
Outflow		: '	* -		
Investment	3,294		40.4	44.44	
Recurrent costs	16,471	16,471	16,471	16,471	16.4
	19,765	16,471	16,471	16,471	16,4
				ا ــــــا	
Net income before debt	38,216			31,197	34,3
	19,765			7,906	3,9
Loan outstanding		3,162	2,372	1,581	7:
Loan outstanding Interest due at 20 % 0.2	3,953				_
t.oan outstanding triterest due at 20 % 0.2 <u>Debt service</u>					
Loan outstanding triferest due at 20 % 0.2 <u>Debt service</u> Inferest	3,953			1,581	
t.oan outstanding triterest due at 20 % 0.2 <u>Debt service</u>				1,581 3,953	
Loan outstanding therest due at 20 % 0.2 Debt service Interest Repayment	3,953 3,953	3,953	3,953	3,953	3,9
Loan outstanding Inferest due at 20 % 0.2  Debt service Inferest Repayment  Net Income after debt service	3,953 3,953 30,310	3,953 17,826	3,953 21,745	3,953 25,663	3,9 29,6
Loan outstanding tolerest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income	3,953 3,953 30,310 30,310	3,953 17,826 48,136	3,953 21,745 69,881	3,953 25,663 73,799	3,9 29,6 99,5
Loan outstanding therest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor	3,953 3,953 30,310 30,310	3,953 17,826 48,136 37	3,953 21,745 69,881 37	3,953 25,663 73,799 37	3,9 29,6 99,5
Loan outstanding therest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays	3,953 3,953 30,310 30,310 37	3,953 17,826 48,136 37 73	3,953 21,745 69,881 37 110	3,953 25,663 73,799 37 146	3,9 29,6 99,5
Loan outstanding therest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor	3,953 3,953 30,310 30,310	3,953 17,826 48,136 37 73	3,953 21,745 69,881 37 110	3,953 25,663 73,799 37	3,9 29,6 99,5
Loan outstanding therest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays	3,953 3,953 30,310 30,310 37	3,953 17,826 48,136 37 73	3,953 21,745 69,881 37 110	3,953 25,663 73,799 37 146	3,9 29,6 99,6
Loan outstanding Interest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays	3,953 3,953 30,310 30,310 37 37 830	3,953 17,826 48,136 37 73 659	3,953 21,745 69,881 37 110 638	3,953 25,663 73,799 37 146 505	3,9 29,6 99,5 1. 5
Loan outstanding Interest due at 20 % 0.2  Debt seryice Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday	3,953 3,953 30,310 30,310 37 37 830	3,953 17,826 48,136 37 73 659	3,953 21,745 69,881 37 110 638	3,953 25,663 73,799 37 146 506	3,9 29,6 99,5 1 5
Loan outstanding Interest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday  Financial analysis	3,953 3,953 30,310 30,310 37 37 830 34,611 19,765	3,953 17,826 48,136 37 73 659 37,808 16,471	3,953 21,745 69,881 37 110 638 40,936 16,471	3,953 25,663 73,799 37, 146, 505 44,063 16,471	3,95 29,65 99,65 11 5 47,24 16,4
Loan outstanding Interest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday  Financial analysis Revenue from sales	3,953 3,953 30,310 30,310 37 37 830	3,953 17,826 48,136 37 73 659 37,808 16,471	3,953 21,745 69,881 37 110 638 40,936 16,471	3,953 25,663 73,799 37, 146, 505 44,063 16,471	3,95 29,65 99,65 11 5 47,24 16,4
Loan outstanding trilecest due at 20 % 0.2  Debt service Interest Repayment  Net Income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average net return/manday  Financial snahsis Revenue from sales Cash outflow	3,953 3,953 30,310 30,310 37 37 830 34,611 19,765	3,953 17,826 48,136 37 73 659 37,808 16,471	3,953 21,745 69,881 37 110 638 40,936 16,471	3,953 25,663 73,799 37, 146, 505 44,063 16,471	29,65 99,5 11 5 47,24 16,4

Table O.2-24 Financial Model for Sweet Potato Production: Cofcaville (One Hectare)

				YEAR		
	[		2	3	4	5-25
C LABOUR REQUIREMENT (man-day)	1	20	92	22	00	
Plowing/harrowing/funrowing     Planting		22	22 6	22 6	22	7
3. Weeding/cultivation		6 10	10	10	6 10	1
4. Fertilizing		2	2	2	2	
5. Spraying		2	2	2	2	
Harvesting/postharvest		31	31	31	31	3
Total mad	}	30	30	30	30	
Total md.	- 1	43	43	43	43	4
roidi ilio.	ł				401	
B. INVESTMENT (peso)			Recurrent	Total		
" '		<u>36</u>	Cost	Peso		
1. Capital costs .		20	15,458	3,092		
				3,092		
. RECURRENT COSTS	Ī					
Quantity			i			
Seedlings	l	50,000	50,000	50,000	50,000	50,00
0 0 60 (kg)		100	100	100	100	10
16-20-0 (kg)		200	200	200	260	20
Lannate EC (Kr)		1	1	1	1	
Furadon 3G (kg)		34	34	34	34	3
			Ī		1	
Prices (pesolunit)			ļ			
•	0.10		ļ	i		
10,	4.48		į		I	
, .,	6.80			-		
	0.00		ŀ			
Furadon 3G (kg) 6	0.00					
		:				
Wages (peso/mad/md)		÷ +	. 1			
	10.00	: .				
Hired labor/rnd 6	0.00	1 1				
· ·	1.30		1			
Costs (peso)						
Seedlings		5,000	5,000	5,000	5,000	5,00
0-0-60 (kg)		448	448	448	448	. 4
16-20-0 (kg)	1	1,360	1,360	: 1,360	1,360	1,36
Lannate EC (tr)		430	430	430	430	43
Furadon 3G (kg)	•	2,040	2,040	2,040	2,040	2,04
Lebor	1.1	6,180	6,180	6,180	6,180	8,18
Total Recurrent Costs		15,458	15,458	15,458	15,458	15,4
	+ 1					
D. RETURNS		4.41	-,			
Production (ton/ha)	ļ	4.98	5.44	5.89	6.34	5.0
Revenue(pcso) at 4,000 Peso/to	റ	19,920	21,760	23,560	25,360	23,20
Cost Hamborion					Į.	
Cash Flow Projections		ĺ			1	
Inflow						
Sales	1.	19,920	21,760	23,560	25,360	23,20
Farmer Contribution						
(Half of labor costs)		3,090	3,090	3,090	3,090	3,09
Loan					1	
- Investment		3,092	0	1 4.76		· · · .
- Working capital	ļ	15,458	0	0	0]	
Outflow	j	41,560	24,850	26,650	28,450	26,2
Outflow	:	2 222	. ]		Ì	
Investment  Recurrent exete	3.1	3,092			4.	4 = -2
Recurrent costs	, ,	15,458	15,458	15,458	15,458	15,4
*	- }	18,550	15,458	15,458	15,458	15,4
Net income before debt		22.010	0 202	مغدية	40,000	42.5
Loan outstanding	- 12 g	23,010 18,550	9,392	11,192	12,992	10,83
Interest due (20%)		3,710	14,840	11,130	7,420	3,71
Debt service		3,710	2,963	2,226	1,484	7-
Interest	·	3,710	2,968	2,226	ارمر	,
Repayment	· ·	3,710	3,710	3,710	1,484 3,710	74
		2,110	9,710	3,110	2,110	3,71
Net Income after debt service		15,590	2,714	5,256	7 708	
Cumulative net income		15,590			7,798	6,36
Mandays of family labor	. [		18,304	23,560	26,102	29,9
Comulative mandays		37	37	37	37	3
Average net return/manday		37	73	110	146	18
листауства текничналову		427	251	215	179	10
Einancial enabele		1				
<u>Financial analysis</u> Revenue from sales		40.000		اا	, , , , l	
Cash outflow	ļ	19,920	21,760	23,560	25,350	23,20
Net cash <b>f</b> oxy	1	18,550	15,458	15,458	15,458	15,4
HELFORN DAY		1,370	6,302	8,102	9,902	7,74
FIRR • > 50 %	ı	l			į	

Table O.2-25 Financial Model for Sweet Polato Production: Marangog (One Hectare)

				YEAR	<del></del>	E 55
and the second state of the second second second second second second second second second second second second			2	3		5-25
LABOUR REQUIREMENT (man-	gay)	22	22	22	23	22
1. Plowing/harrowing/funtowing		6	6	6	6	6
2. Planting	l	10	10	10	10	10
3. Weeding/cultivation 4. Enditising	1	2	2	2	2	2
4. Fertilizing	Į.	2	2	2	2	2
Spraying     Harvesting/postharvest		31	31	31	31	31
Total	nad Ì	30	30	30	30	30
Total	1	43	43	43	43	43
. INVESTMENT (peso)						
u ,		<u>%</u>	Peso/unit	Peso		
Capital costs		20	15,430	3,08 <u>6</u>		
	į			3,086		
			<u>-</u>			
RECURRENT COSTS				1		
Quantity See diam		50,000	50,000	50,000	50,000	50,000
Seedlings 0-0-60 (kg)		100	100	100	100	100
16-20-0 (kg)		200	200	200	200	200
Lannate EC (M)		1	1	1	1	•
Furadon 3G (kg)		34	34	34	34	3
				i		
Prices (peso/unit)					1	
Seedlings	0.10			٠. ا	i	
0-0-60 (kg)	4.90	v*	1	- 1	·	
16-20-0 (kg)	6.60		Ì	:		
Lannate EC (ltr)	400.00	· .		i		
Furadon 3G (kg)	60.00	1		l	- 1	
			į	l		
Wages (peso/mad/md)			. [	ļ		:
Hired labor/mad	120.00	1	'. i		· I	
Hired labor/md	60.00			. i		
					1	
Costs (peso)			5,000	5,000	5,000	5,00
Seedlings		5,000	490	490	490	49
0 0-60 (kg)		490		1,320	1,320	1,32
16-20-0 (kg)		1,320 400	1,320	400	400	40
Lannata EC (ltr)			2,040	2,040	2,040	2,04
Furadon 3G (kg)	•	2,040 6,180	6,180	6,180	6 180	6,18
Labor		15,430	15,430	15,430	15,430	15,43
Total Recurrent Costs	* 1	15,450	1,5,50	,,,,,,,		
). RETURNS						
Production (lon/ha)		4.98	5.44	5.89	6.34	6.8
Revenue(peso) at	6,950 Pesoton	34,611	37,808	40,936	44,063	47,26
, , , , , , , , , , , , , , , , , , ,			4.5	·		
Cash Flow Projections					. :	
Inflow	7					
Salos		34,611	37,808	40,936	44,063	47,26
Farmer Contribution						0.00
(Half of labor costs)		3,090	3,090	3,090	3,090	3,09
Loan						
- Investment	* . *	3,086				
<ul> <li>Working capital</li> </ul>	•	15,430	40 909	0	47,153	50,3
		56,217	40,898	44,026	41,103	50,3
Outflow		3,086				. :
Investment		15,430		15,430	15,430	15,4
Recurrent costs	*	18,516	15,430	15,430	15,430	15,4
		13,010	[i		<del>-</del> -	l
Net income before debt		37,701	25,468	28,596		34,97
Loan outstanding		18,516		11,110	7,406	3,76
Interest due (20%)		3,703		2,222	1,481	7.
Debt service		1			[	
Interest		3,703		2,222		7
Repayment		3,703	3,703	3,703	3,703	3,70
7. 7						
Net Income after debt service	4	30,295		22,670		30,4
Cumulative net income		30,295		71,767	75,635	
Mandays of family lebor		37		37		
Cumulative mandays		37	•	110		i .
Average net return/manday		830	673	655	1 218	l <sup>9</sup>
		1	į		1	l
Financial enalysis			27 222	40,936	44,063	47,2
Revenue from sales		34,611				
Cash outflow		18,516			-	31.8
Net cash flow		16,095	22,378	20,000	1 20,033	""
	> 50 %	1	l	1	l	
FIRR =						

Table 0.2-26 Financial Model for Abaca Production: Marangog (One Hectare)

A LABOUR REQUIREMENT (man-day)					
A TARNIR REDUIRENCHT Ann. July		5	YEAR 3	4	5-25
TO CHEVYIA TO SECURE THE SECOND SECON		-		-	COLUMN STREET, ST.
1. Land cleaning/preparation	24				
Staking/digging/planting	10	10	10	10	10
3. Underbrushing	12	12	12	12	12
4. Desucking trashing	8	8	8	8	8
5. Ring weeding	10	10		10	10
6. Fertilizing	5	5	5	5	5
7. Harvesting & stripping	0	8	16	16	16
Total med Total md.	24 45	53	61	61	61
8. INVESTMENT (peso)	**	33	01	01	
or arradiment (pess)	Qty	Peso/unit	Peso		
Gardening & stripping tools	. 1	1,000	1,000		
Abaca seedpieces/hauting	2,750	3	8,250		
·			9.250		
3. Replanted seedlings	275	3	825		
O DECITORS AS A SAN				,	
C. RECURRENT COSTS					
Quantity 14-14-14 (kg)	150	150	450	450	450
Insecticide (tg)	150	150 1	150	150	150
medationed find	'	<b>'</b>	<b>1</b>		2
Prices (peso/unit)					
14-14-14/kg 6.8					
Insecticide/kr 340					
·					
Wages (peso/mad/md)					
Hired labor/mad 120					
Hired labor/md 60					
Costs (peso)					
14-14-14	1,020	1.020	1,020	1,020	1.020
Insecticide	340	340	680	680	680
Labor	2,700		3,660	3,660	3,660
	4,060	4,540	5,360	5,360	5,360
D. RETURNS					
Production (ton/ha)	이	0.6	1.3	1.3	1.3
Revenue(peso) at 19,720 Peso ton	0	11,832	25,636	25,636	25,636
Cash Flow Projections		11:11			
Inflow Sales	٥	11,832	25,636	25,636	25 626
Farmer Contribution	Ĭ	11,002	25,000	23,030	25,636
(Half of labor costs)	1,350	1,590	1,830	1,830	1,830
Loan	,,,,,,,,,		,,,,,,		.,
- Investment	9,250	275			
- Working capital	4,060		}		
	14,660	13,697	27,466	27,468	27,456
Outflow					
Investment/replacement Recurrent costs	9,250 4,060	825		E 600	1,000 5,260
mounted costs	13,310	4,540 5,365	5,360 5,360	5,360 5,360	5,360 6,360
	13,310	3,300	3,330	3,330	0,000
Net Income before dett	1,350	8,332	22,106	22,106	21,106
Loan outstanding	13,310	16,247	12,185	8,123	4,061
Interest due at 20 %	2,562	3,249		1,625	812
DetA service					. :
Interest	0	3,249		1,625	812
Repayment (peso)	0	4,062	4,062	4,062	4,062
Not lacana altar dabi con da	2.020		15.44-	40 44-	10.000
Not Income after dobt service Cumulative not income	1,350 1,350	1,021 2,371	15,607 17,978	16,419 18,790	16,232 34,210
Mandays of family labor	1,350	2,3/1	31	18,790	34,210 31
Cumulative mandays	23	49		110	141
Average not return/manday	60	48		171	243
		'•	]		
Financial analysis					İ
	0	11,832		25,636	25,636
Revenue from sales	, ·				
Revenue from sales Cash outhow	13,310	5,365			
Revenue from sales	13,310 -13,310	5,365 6,467			
Revenue from sales Cash outhow					6,360 19,276

Table 0.2-27 Financial Model for Banana (Saba) Production at Sappaac

	ļ		YEAR	
LABOUR REQUIREMEN	t inadima			·
Land preparation	rr fesammal	24	1	
2. Lining staking planting		10		
3. Fertilizing		. 8	8	
4. Ring weeding (4x)		60	70	70
<ol><li>Desucking/trashing</li></ol>		8	8	
6 Harvesting			10	1(
	Total mad	24 86	96	. 90
	Total md		Pesov 90	Total
INVESTMENT (peso)		<u>Cty</u>	unit	Peso
Saba suckers		625	2	1.29
2 Farm Implements		1	1,000	1,00
<ol><li>Knapsack sprayer</li></ol>		3	2,000	6.00
		+ <u>1</u>	_	8.2
4. Replanted suckers		63	2	17
. RECURRENT COSTS				
Quantity				
Fertilizer(kg)	14-14-14	175	175	11
	Urea 0.0.60	200] 450]	200 450	- 20 4:
Insecticides (itr)	0-0-60	450 4	400]	4:
moecuckoes (m)		"	1	
Prices (peso/unit)			1	
Fertilizer(kg)	14-14-14	7	-	
,	Urea	8	1	
	0-0-60	5	. ]	
însecticides (îtr)		254	1	
Labor (mad/md)	120 00	60		
Costs (peso)		I	i.	
Fertilizer(kg)	14-14-14	1,199	1,199	1,1
1 contailed)	Urea	1,560	1,560	1,5
	0-0-60	2,097	2 097	2,0
Chemicals (itr)		1,016	1 016	1,0
Labor		<b>8,0</b> 40	5,760	5,7
		13,912	11,632	3,11
. RETURNS				
No of hills		625	625 80	6
% fruiting No. of bunches	11.00		500	5
No. of bands	12 hand/on		8,000	6.7
No. of fingers	16 fng/hand		96,000	107.9
. ₩ <sup></sup>				
Yield (Kg/ha )	9 fingr/kg		10,687	119
Revenue at (peso)	3 32 peso/kg	0	35,413	39,8
Cock Elou Bratastica			1	
Cash Flow Projections inflow			1	
Sales		اها	35,413	39,8
Farmer Contribution		1		
(Haif of labor costs)		. 0	c	
Loan		]		
- Investment	. *	8,250	}	
<ul> <li>Working capital</li> </ul>		13,912		
Total inflow		22,162	35,413	39,8
Outflow		· . [	. [	
investment/replacem	ent	8,250	126	
Recurrent costs		13,912	11,632	11,6
Total outflow		22,162	11,758	11.6
41-11		_آ, ا	20.00	20.4
Net income before debt	* *	22,162	23,685 26,595	28,1 15,2
Loan outstanding Interest due		4,432	5,319	3,0
Debt service		````		0
Interest	02	0	4,750	2,3
Repayment	1.0	0	11,874	. 11,8
11-11 A		اا		
Net income after debt se	rvice ;:	1,620 1,620	7,031 8,651	13,9 22,5
Cumulative net income Mandays of family labor	**	1,020	48	22,3
Cumerative manday	:	43	91	
Average net return/mand	lay	38	96	3
	•		1	
Financial analysis		1	[	
Revenue from sales		이	35,413	39.8
Cash outlow		22,162	11,758	11,6
Mind again Mari		-22,162	23,655	28,1
Net cash flow		-22,162	23,650	20,1
		ı I	1	
FIRR =	78 %			

Table 0.2-28 Financial Model for Banana (Saba) Production: Cofcaville (One Hectare)

			<del>├</del> ╌┯╾┯	YEAR	3
C. LABOUR REQUIREMENT	(mad/mdl	والمراجعة والمراجعة والمراجعة والمراجعة	h		<b></b>
Land preparation	(		24	ſ	
<ol><li>Lining staking planting</li></ol>			10	i	
3. Fertilizing			8	8	4
4 Ring weeding (4x)			60	70	70
<ol><li>Desucking/trashing</li></ol>			8	8	- 1
6. Harvesting		_	<u> </u>	10	10
		mad	24		
		md	86	96	9
			1	Peso/	Total
B. INVESTMENT (peso)			<u>Qt</u> y	unit	Peso
1 Saba suckers				2	1.25
2. Farm implements			1	1,000	1.00
<ol><li>Knapsack sprayer</li></ol>			3	2,000	6,00
					8.25
<ol><li>Replanted suckers</li></ol>		•	<b>₿</b>	2	12
C. RECURRENT COSTS			ļ		
Quantity				i	
Fertilizer(kg)	14-14-14		175	175	17
i eduzer(xg)	Urea		200	200	20
	0-0-60		450	450	45
Insecticides (ftr)			~~	77	•
			1	1	
Prices (peso/unit)					
Fertilizer(kg)	14-14-14		7		
	Urea		. 8		
	0-0-60	-	4		
Insecticides (ftr)		i	254		
Labor (mad/md)		120 00	60		
				1.7	
Costs (peso)					
Fertilizer(kg)	14-14-14		1,208	1,206	1,20
	Urea		1,500	1,500	1,50
Chemicals (fir)	0-0-60	* .	2,017	2,017	2,01
Labor			1,016	1,016	1,01
Caso			8,040 13,780	5,780 11,500	5,76
			13,700	11,000	11,50
D. RETURNS		1.1	*		
No of hills	2		625	625	62
% fruiting				80	9
No. of bunches			· 1	500	56
No. of hands	12	hand/bri		6,000	6.74
No. of fingers	16	Ing/hand		96,000	107,90
Yield (Ko/ha )		fingr/kg	0	10,667	11,98
Revenue at (peso)	3 32	pesofig	0	35,413	39,80
Cash Flow Projections					
Inflow			· I		
Sales			o	35,413	20.00
Farmer Contribution			i i	33,4131	39,80
(Half of fabor costs)			0	0	7
Loan			Ĭ	ĭ	100
<ul> <li>Investment</li> </ul>			8,250		
<ul> <li>Working capital</li> </ul>	•		13,780	4	
Total inflow			22,030	35,413	39,80
Qutflow			, I	: 1	
Investment/replacemen			8,250	126	
Recurrent costs Total outflow			13,780	11,500	11,50
LOTE! ORDOM			22,030	11,626	11,50
Net income before debt		•		23,787	
Loan outstanding			22,030	26,436	28,30 15,10
Interest due at 20%		0.2	4,406	5,287	3,02
Ochl service				-,200	5,02
Interest			0	4,750	2,37
Repayment			0	11,874	11,87
e de la companya del companya de la companya del companya de la co			14.4	i	,
Net income after debt service	e ·		1,620	7,163	14,05
Cumulative net income			1,620	8,783	22,83
Mandays of family labor			43	48	4
Cumerative manday			43	91	13
Average net return/manday			38	97	16
Elmanatal mark arts				- 1	
Financial analysis			_1	<u>,,l</u>	** *
Revenue from sales Cash outlow			22.20	35,413	39,80
Net cash flow			22,030	11,626	11,500
FICE COST BOM			-22,030	23,787	28,30
				í	
F#RR =	80	4 ·	4.		

Table 0.2-29 Financial Model for Banana (Saba) Production: Marangog (One Hectare)

Company of the state of the sta			YEAR	
مردورون والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة وا	The amount to the same and the same		?	3
LABOUR REQUIREMEN	T (mad/md)	24		
Land preparation     Lining staking planting		10		
3. Fertilizing		8	8	- 8
4. Ring weeding (4x)		60	70	70
<ol><li>Desucking/trashing</li></ol>		8	8	8
6. Harvesting		24	10	10
	mad mo	86	96	96
	n.c.	<del> </del>	Feso/	Total
INVESTMENT (peso)		Qty	<u>unit</u>	<u>Peso</u>
1. Saba suckers		625	2	1,250
<ol><li>Farm implements</li></ol>		- 4	1,000	1,000
<ol><li>Knapsack sprayer</li></ol>		3	2,000	6,000 8,350
4. Replanted suckers		63	2	8.250 126
4. Replanted suchers			: 1	
RECURRENT COSTS		1000		
Quantity		1		
Fertilizer(kg)	14-14-14	175	175	175
	Urea	200	200 450	200 450
1 P-14 (9-A	0-0-60	450	130	4.0
Insecticides (itr)			1	
Prices (peso/unit)		'	,	
Fertilizer(kg)	14-14-14	7	: I	
	Urea	8	j	
	0-0-60	5		
insecticides (itr)	400.00	254 60		
Labor (mad/md)	120.00	™		
Costs (peso)		· I		
Fertilizer(kg)	14-14-14	1,190	1,190	1,190
	Urea	1,640	1,640	1.64
	0-0-60	2 205	2,205	2,20
Chemicals (itr)		1,016	1,016	1,016 5,760
Labor		8,040 14,091	5,760 11,811	11,81
		14,031	11,011	11,01
D. RETURNS				
No of hills		625	625	62
% fruiting		1	80	9
No. of bunches			500	567
No of hands	12 hand/bn		6,000 96,000	6,74 107,90
No. of fingers	16 Ing/hand		90,000	101,50
Yield (tor/ha )	9 fingr/kg	0	9	10
Revenue at (peso)	3,200 peso/kg	0	28,800	32,00
		1		
Cash Flow Projections	100	1 1		
Inflow			20 000	32,00
Sales		0	28,800	32,00
Farmer Contribution (Half of labor costs)		o	O	
toan	100	j ĭ	ĭ	*:
- Investment		8,250	٠, ١	*,
- Working capital		14,091		
Total inflow		22,341	28,800	32,00
			. ]	
Outriow Investment/replacem	ant	8 250	126	
Recurrent costs		14,091	11,811	11,81
Total outflow		22 341	13,937	11,81
Net income before debt	100	0	16,863	20,18
Loan outstanding		22,341 4,468	26,809 5,362	13,40 2,68
Interest due (20%)  Pebl service	14 1 1 T	4,408	5,362	2,00
fuletest	* v	0	5,362	2 68
Repayment		0	13,404	13.40
Net income after debt s	ervice	1,620	-1,903	4,10
Oumulative net income		1,620 43	-283 48	3,82
Mandays of family labor  Comprehen manday		43	91	13
Cumerative manday Average net return/mar	ndav	38	-3	- 2
Microfic fact fermings	,	1	1	•
Financial analysis				
Revenue from sales		0	28,800	32,00
Cash outflow		22,341	11,937	11,81
Net cash flow		-22,341	16,863	20,18
FIRR =	40 %			

Table 0.2-30 Financial Model for Mango Production at Sepparac (One Hectare)

	LABOUR REQUIREMENT (manchy) 1. Land proparation 2. Saland organization 3. Westing short of the second organization of the second organization of the second organization of the second organization of the second organization of the second organization of the second organization of the second organization of the second organization or the second organization or the second organization or the second organization or the second organization or the second organization or the second organization or the second or the second organization organization organizatio	Registrating Presence Spraying of flowering Increase Harmstong Cost of labor (presolnd)	DYGETHER (Geo.)  1. Owner sector  2. The geard & mois  3. Ordand local/fromp, well sector  4. Replaced sector  RECURRENT COSTS	Fertigary (14-14-14)/kg Insection(o (77) Fertigary (14-14-14)/kg Fertigary (14-14-14)/kg Fertigary (14-14-14)/kg Fertigary (14-14-14)/kg	resections (17) Foundation (passing) Foundation (passing) Costs (pass) Insections Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations Foundations	Flowering hormone	Pesohig	Count Flow Projections MDCW Same Farmer Contribution	(Next) of labor costs) Loan - theratiner: - Worlding capital	ž.	3	Loan octatanding Internet due (at 20%) 0 Data netytice	S advers	Naviges of timely labor Curvation mandeys Curvation mandeys Brancial analyzis Naview Prom sales Cast cuffor
	20 00 V	70	ŝ	<u> </u>	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 (5)	\$0		2,100	16.367 001.0	1 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	2,857	88	888 98
	<u> </u>		2,738 8,800 8,000	9-00	<b>36 98 8</b>	9	-00		1,015	0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 15 E	5,878	5.5	1 4 5 0 8 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	8	- s	7044 Pete 2,000 5,000 1,100 1,40	<u> 5</u> - 00	3 % 5 5 0 8	0 0	-		1,050	0997	38 §	18 S	99	, 85 685 685 68
	8	-		<u>g-00</u>	2000	0 5	00	. 6	1,015	5,607	25 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 25 2 26 2 26	8 5 8 5	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	, , , , , , , , , , , , , , , , , , ,
	, s			4-00	386	° 33	00		5,000	6 583 5,000	865	10	0 50	1,5 <b>8</b> 8
				3843	8 55 5 8 5 5 5 8 5 5 5 8 5 5 5 8 5 5 5 8 5 5 5 8 5 5 5 8 5 5 5 5	04.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2,800	42.000	2,520	2 <b>07</b>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	86.5 89.5 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6	15,971 15,974 17,978	2. 2. E
	\$	<u> </u>	5	§355	8 3 1 8	0.000	007,00	000'00	2,940	070%		8.17 8.77	78.5	3 8 3 5 8 8
TEAR	8	٠ ٿا <u>.</u>		9322	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2000	\$,000	0000	2,040	070.50	\$ P	5.65	8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5	88 88 88 88 88 88
	ę	e t 2	3	9322	026 026.4 026.4 026.4	000 X	5,900 008.8	000'09	2,946	07°5'99	2 2 2	9.50	15,971 15,971 17,962 1,062	1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
-	3	200		9822	0.4 4.00 0.44 4.44 0.44 4.44	0000	000'95	63,000	2,940	95,000	5 57.58 5 7.78	10 c	1,85 1,79 1,79 1,79 1,79 1,79 1,79 1,79 1,79	48 % 88 48 % 88
	<b></b>	₽ <b>8</b> . 10	<u> </u>	3422	9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	31,916	7.700	65.000	2,940	0 0		00	38,211	2 3 5 8 5 2 3 5 8 5
	- 76	9 8 50 20 70		देशदद	8 9 4 7 8 4 4 7 8 4 4 7 7	00 0 15 0 15 0 15 0 15	17,500	800	2,940	076'59	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	60	8 K K K	88 88 88 88 88
	26	9 26 101		3822	3 3 1 5	31,310	13,800	83,000	9	98,643	27.00	20.	50 E	5 1 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2
	- 6	* 8 o		8422	8 9 4 5 8 4 50 8 6 4 50	0000	240,000	62,000	2,940	0.00			8 F	25.00 27.00 27.00 27.00 27.00
	- 6	\$ 53 101	<u> </u>	<u>इ</u> त्रहर	9.4 b	00.0 TE	262,500	93.00	2.040	5,000	2 X X	<del></del>	18 18	200 8 4 00 00 00 00 00 00 00 00 00 00 00 00 0
P	19	28 107		<u> </u>	3 4 7 2 4 4 5 2 4 4 5 2 4 5 5	9 B00	286,500	93,00	3.' <b>8</b>	0001	8 2 3		50 E	8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

Table 0.2-31 Financial Model for Existing Coconut Production: Marangog (One Hectare)

	-		ž	<b>-</b>	•		۰	,	•		,		1	}
CEOURTE GURBANNY (m.	(//	ľ	-	•	-	ò	•		- 60	-	œ.	•	<b>5</b> 0	•
2. Harvesting & coors malend		ē	Q.	ē	Ç	\$	₽	9	ē	10	ē	2	٥	=
Total mad Total md.	telmed telme.	95	10	18	₽	*	9	=	18	2	9	5	=	3
. BIVIDITABINT (peec) f. Gardening took		ğ	Personal 1,000	980 1 000 1 000		<del></del>			···	· · · · · · · · · · · · · · · · · · ·			<del></del>	-
ASCURRENT COSTS Chanchy 45-0-0 (kg) Fundade (kr)			ū.e.	- 50 N	· ON	<b>&amp;N</b>	P 17	F 8	€ 4	0.4	_ 5 4	<u> </u>	<u> </u>	Ė ų
Prices (pasohrnit) Unes (NC) Periodo (RC) Hired sabor(med) Hired sabor(med)			1			:								
Coers (pero) Units Perticides Labor		8 0 00	P 28 8	÷ § 8	358	06 55 50 g	8 5 8	888	8 8 8	8 7 8 3	8 9 8	8 8 8 3	P 88 67.7	8 9 8 3
A RETURNS Production Copys 14 Charbool 22	(tervie)	90			0.0	800		0.8	6.0	9,6	9.0	9.0	000	8.0 6.0
Revenue Copre et 17 Omeroni et 27	6,706 Peschan 2,500 Peschan		6275°	9,090	0000	2 00 00 2 00 00 2 00 00	98,0	98. 98. 98. 98.	99.00	82.6 88.9 89.98	2 000 000 000 000	7, 8, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9	6 96 00 000 00	7,540 9,990 900
Cash Pow Projections									- : -					
Salas Salas Farmer Contribution		87 9	8 8	000'0	980,0	8 3	2, 28	98.	98. 3	95. 4	7,560	\$ 3 1	8 8	ž 3
Total or poor source.  - Workel enforce and a Total or control or		000,1			0 259.9	e 3	8,100	9,100	8 150	91.0	35	9,10	201.10	9,100
Outflow Inventment/replacement Recurrer costs Total Outflow		1,140	0 07.7	1,777	33	00,1	2,001	2,060	2,045	2,063	1,900 2,963 3,063	2,003	2,003	2,564 2,784
Het moons before debt Loan outstanding second des (11%) 1/		5.780 2.145 2.000	1,716	38 E. Z.	289	25.00 5.00 5.00 5.00	90°0	700	50°0	800	78	600	60°	6,336 0
Dest service interest Repayment	. *	នុខ្			18	0 8		66	-60	00	55	00	- 66	00
<ol> <li>Maximus bearable interest Net Income after dett servici Quindative net voome</li> </ol>	9	200°C	ଟ୍ରି		4,286	21,765	27,362	0,007 33.869	36.875	<b>6</b> 4	50,888	700.9 700.9 700.9	62,907	6,328 8,328
Mandaya of family labor Cumulathe mandaya Average het reternmandery		a 3 g	9 2 2	• មក្	• អត្	. 3 🕯		8 %	\$ 12°	5 8	88	91.55	5 8	± 38
Energial analysis Revenue from sales Cash sufform net goest from		2,07.	2,77	000.0 177.1 816.4	95 T 7	7,560 2,918 4,942	2.27 5.56 5.56	7,360	7,550 2,060 5,467	7,560 2,083 5,467	3,982 0,44	7,560	5,500	27.27.2
FIRE (%)	84			;	:							:	-	

O-49

Table 0.2-32 Financial Model for Newly-Planted Coconut Production: Marangog (One Hectare)

		,	C-1-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				YEAR						
A LABOUR REQUIREMENT (manday)			-3-	-4-	-	•		-		10		12	13-21
tand clearing/preparation	24	l	- 1	ĺ			- 1	ŀ					
2 Staking/digging/planting	10	1		ŀ			- 1				i		
3. Watering	7			- 1		- 1	- 1		l		- 1	l	
4. Replanting	25	25 25		ا ہـ	~.	25	~:	25	26	25		25	25
5. Weeding/fertilization 6. Harvesting & copra making	િ ી	ି	25 0	25 0	25 0	6	25 12	20	25 29	29	25 29	29	29
Total mad	24				<u>*</u>		<del></del>						
Total md	42	26	25	25	25	31	37	45	54	54	54	54	54
8. Investment (paso)													
4.0-4		Peso/unit 1 000	<u>Pęso</u> 1,000	!	ı				- 1	ł		i	
Gardening tools     Seedling	168	1,000	2,016	1	l			ł	. 1		- 1	- 1	
Shading supports	168	0.50	84	- 1	- 1		l	- 1	1	i		l	l
4. Abaca rope as tying materials (m)	20	8 00	<u>160</u>	- 1	l		·	- 1	- 1	Ì			
l	1		3.260	- 1	- 1			- 1	ŀ			Į.	
5 Replanted seedlings	17	12	204	- 1			.	- 1		·			
C. RECURRENT COSTS	<del> </del>		1		- 1				i				
Quantity				l	i		· 1		ı				
45-0-0 (kg)	24	39	43	47	52	57	63	69	76	84]	92	101	85
Pesticide (litr)	이	2	2	2	3	3	3	4	4	4]	5	5	5
Prices (peso/unit)			│ <b>[</b>		ł		- 1	ŀ	l	-			
Urea (kg) 82	,				- 1		}	l	l				
Pesticide (itr) 296			*				ļ	- 1			l		
Hired labor(/mad) 120					- 1	į							
Hired labor(/md) 60	ሳ <b>I</b>		l		- 1		- 1	İ	l	ł			
Carlo faccas					ŀ		1 1						
Costs (peso) Urea	197	320	352	387	426	468	515	587	623	686	754	829	754
Pesticides	1 6	592	651	716	788	867	953	1,049	1,154	1,269	1,398	1,536	1,39€
Labor	5,400	1,560	1,500	1,500	1,500	1,880	2,220	2,700	3,240	3,240	3,240	3,240	3,240
	5,597	2,472	2,503	2,603	2,714	3,195	3,688	4,315	5,017	5,195	5,390	5,805	5,390
D. RETURNS	] [									1		j	
Production	1 1			. ]				: -					. :
Copra (torvha)	0	0	o	o	0.00	0.5	1.0	1.5	20	25	2.5	2.5	2.5
Charocal 0.3 (%copra)	0	o	0	0	0.0	02	0.3	0.5	80	0.8	0.8	0.8	0.8
_			, _		- 1						<b>.</b> .		
Revenue Copra at 8,700 Pesotion	0	0	0	0	0	4,725 4,350	9,450 8,700	14,175	18,900 17,400	23,625 21,750	23,625 21,750	23,625 21,750	23,625 21,750
Charcoat et 2,500 Pesotion		Ň		, i	0	375	750	1,125	1,500	1,875	1,875	1,875	1,875
		Ĭ	Ĭ	` <b>`</b>	Ĭ	710		.,,	.,000	,,,,,			
Cash Flow Projections	1 1									* · · · · ·			l
inflow													
Sales Farmer Contribution	C	9	이	0	0	4,725	9,450	14,175	18,900	23,625	23,625	23,625	23,625
(Half of labor costs)	2,700	780	750	750	750	930	1,110	1,350	1,620	1,620	1,620	1,620	1,620
Loan		,,,,											1,000
- Investment	3,200	204			1,000							Ì	
- Working capital	5,597	2,472	2,503	2,603	2,714								
Total inflow	11,557	3,456	3,253	3,353	4,484	5,655	10,560	15,525	20,520	25,245	25,245	25,245	25,245
Outflow	1 .					:			1		* .	1	
Investment/replacement	3,260	204			1,000			1	1	1,000		- 1	200
Recurrent costs	5,597	2,472	2,503	2,603	2,714	3,195	3,688	3,688	3,688	3,688	3,688	3,688	5,390
Total Outflow	8,857	2,676	2,503	2,603	3,714	3,196	3,688	3,688	3,688	4,688	3,683	3,668	5,500
Not income before debt	2,700	780	750	750	750	2,460	8,872	11,837	16,832	20,557	21,557	21,557	19,655
Loan outstanding	8,857	12,507	16,386	20,791	26,791	29,738		36,840	29,312	21,984	14,656	7,328	18,033
Interest due (11%)1/	974		1,802	2,287	2,947	3,271		4,030	3,224	2,418	1,612	806	Ö
<u>Debt service</u>				•									
Interest	9	0		- 0	0	o	0	4,030	3,224	2,418	1,612	806	0
Repayment	0	0	0	0	٥	0	0	7,328	7,328	7,328	7,328	7,328	. 0
1/ Maximum bearabol interest													
rate by the farmers					1				i				
			1 : 1			, "						ĺ	
Net Income after debt service	2,700			750	750	2,460	6,872	478	6,279	10,610		13,422	19,655
Cumulative net income	2,700 21	3,480 13	4,230 13	4,930 13	5,730 13	8,190 16	15,062 19	15,540 19	21,819 19	32,630 19	45,246 19	58,669 19	78,324 27
I Mandays of family labor	21	34		59	72	87	108	124	143	161	180	198	225
Mandays of family labor Cumulative mandays		102		84	80	94	143	125	153	203	252	296	348
Mandays of family labor Cumulative mandays Average net return/manday	129				2.5			·	- 1				
Cumulative mandays Average not return/manday	129												
Cumulative mandays Average net return/manday  Financtal analysts	129		: _										
Cumulative mandays Average net return/manday <u>Financial analysis</u> Revenue from sales	0	0	0	0	0	4,725	9,450	14,175	18,900	23,625	23,625	23,625	23,525
Cumulative mandays Average net return/manday <u>Financtal analysts</u> Revenue from sales Cash outllow	0 8,857	2,676	2,503	2,603	3,714	3,195	3,688	3,688	3,688	4,688	3,688	3,688	5,590
Cumulative mandays Average net return/manday <u>Financial analysis</u> Revenue from sales	0	2,676	2,503				3,688						

Table O.2-33 Financial Model for Durian Production: Silae (One Hectare)

(One He	ctare)											
TANAMA ANTAKAN MATAMATAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAKAN ANTAK	سيدي وها والمهاجر والمستحدث والمعالم وا						YEAR 6	7 1	8 1	9 [	10	11-26
A. LABOUR REQUIREMENT (ma	m As W		2	3	4	5			0		10	11-20
Land clearing/preparation	iii-Oay)	24										}
2. Planting		10			1							
3. Watering		7										
4. Replanting		l o	1									
5. Weeding/lertilizing/spraying		25	25	25	25	25	30	30	30	30	30	30
6. Pruning			3	3	3	3	3	. 3	3	3	3	3
7. Harvesting			0	0	0	. 0	0	8	10	10	10	10
•	at md.	70	29	28	28	28	33	41	43	43	43	43
8. INVESTMENT (peso)		<b> </b>										
*****		Qty	Peso/unit	Pesq								
Gardening looks		1	5,000	5,000								
2. Grafted seedlings (10 x 10)		100	30	3,000	ĺ			2				
3. Shading supports		616	1	308			. 1		: 1			ŀ
4. Lining and tying materials		1	200	200								
:		1		8.508		,				100	1.1	
<ol><li>Replanted seedlings</li></ol>		14	30	420	1						:	
			,								1.	
C. RECURRENT COSTS		1	i									
Quantity		_	l <u></u> .	[	امد		4	المما				252
14-14-14 (kg)		8	16	30	30	100	100	300	300	300	350	350
Insecticide (Itr)		1	1 1	2	2	2	2	2	2	2	2	2
Fungicide (kg)		1	1	2	2	2	2	2	2	2	, 2	2
		1				* .						Ī
Prices (peso/unit)		Į l							,	:		Ī
14-14-14/kg	6.8	•	[·									
Insecticide/kr	340	1	;			* .					'	
Fungkide/kg	340	1			5						3.5	
			1		,							
Wages (peso/mad/md)									:	,		1
Hired labor/mad	120											
Hired labor/md	60								- 1		14 11	
Costs (peso)								أسما			0.48-	
14-14-14		54	109	204	204	680	680	2,040	2,040	2,040	2,380	2,380
Insecticide		340	340	680	680	680	680	680	680	680	680	680
Fungicide		340	340	680	680	680	680	: 680	680	680	680	680
Labor		4,200	1,740	1,680	1,680	1,680	1,980	2,460	2,580	2,580	2,580	2,580
		4,934	2,529	3,244	3,244	3,720	4,020	5,860	5,980	5,930	6,320	6,320
D. RETURNS												
Production (ton/ha)		0	0	0	G	. 0	1	10 000	2 4 0 0 0	3 30 000	3	455.000
Revenue(peso) at	30,000 Peso/ton	0	0	0	0	0	18,000	42,000	54,000	78,000	90,000	120,000
				:					:			
inflow	* :					اما		10.000	40.000	40.000	40.000	400.000
Sales		0	0	0	0	[ 0]	18,000	42,000	42,000	42,000	42,000	120,000
Farmer Contribution		1							4 000	4 000	4 000	4 000
(Helf of lebor costs)		2,100	870	840	840	640	990	1,230	1,290	1,290	1,290	1,290
Loan		1		+:		ا ممما						
- investment		8,508			2044	5,000			٠.			· ·
<ul> <li>Working capital</li> </ul>		4,934		3 244	3,244	3,720	40.000	42 220	43 330	43 536	42.220	121,290
		15,542	3,819	4,084	4,084	9,560	18,990	43,230	43,230	43,230	43,230	121,280
Cutfforu		1										
Outflow Impelment/contracted		DENA	امور ا			5,000				1.0	5,000	200
Investment/replacement		8,508		ا مممد	3000	3,720	4,020	5,860	5,860	5,860	5,860	6,320
Recurrent costs		4,934	2,529	3,244	3,244 3,244	8,720	4,020	5,860	5,860	5,860	10,860	
	1.0	13,442	2,949	3,244	3,244	0,720	-,020	0,000	0,000	0,800	0,000	0,020
Mat Insama before John		2.00	870	ارها	940	840	14,970	37,370	37,370	37,370	32,370	114,770
Net Income before debt		2,100		840	840		60,304	72,365	54,273	36,181	32,310	777,770
Loan outstanding		13,442		26,139				14,473	10,855		0	ŏ
Interest due (20%)		2,688	3,816	5,228	6,922	10,051	12,001	(4,473	10,033	1,430	, v	l °
Debt service		1 .	1 .				ا ا	14,473	10,855	7,236	0	
Interest		0		0	0	0			18,092		: 0	
Repayment		0	0	0	0	"	١	18,092	10,032	10,032	ا	1 "
Mad Income office dold and do		2400	870	640	840		14,970	4,805	8,423	12,042	32 270	114,770
Net income after debt service		2,100				840 4,650		-	27,203		59,573	
Cumulative net income		2,100					18,780	9,455			21	22
Mandays of family lebor		35		14		14	17	21	21			
Cumulative mandays		35		64		92	108	129			190	
Averaga net return/manday		60	60	60	49	51	174	74	183	127	314	587
Sinancial anahale		1										
Financial analysis Revenue from sales		0	٥	اه	0	6	18,000	42,000	42,000	42,000	42,000	120,000
Cash outflow		13,442			-			5,860	5,860		10,860	
Not cash flow		-13,442		-3,244			13,980		36,140	-	31,140	
I ANULUSIA SAMI		1 -10,412	-2,845	~,444	-5,444	-0,720	.5,555	J-50,140	J ~~, 1 TO	I ~~,'**	37,179	I
					l l							
FIRR •	38 %	0.38										

Table 0.2-3s Financial Model for Jackfruit Production at Cofcevitie (One Hectare)

	[							MT.			9	ļ		Š.
			7	<b>,</b>	1	1		<u> </u>			-		-	
L. Labour Radunicanium (mercent) 1. Land deservojpreparation 2. Statenydopolyteining 3. Vietareng 4. Replacent		¥õroë	- 10	*	<b>10</b>	· • • • • • • • • • • • • • • • • • • •		2.		ģ. 0	<u>\$</u>	<u>ē</u> «		<u> </u>
6. Prumphuk thereng 7. Hanneting		40	<b>8</b> 0	***	60	<u> </u>	e C	• •	2.5	9	9	° 8	8	8,
Total med Total md.		l t	π	R	Ŕ	8	B	*	P	8	8	\$	\$	8
A. INVESTINENT (peep) 2. Overlad execting 3. Shading autoports 4. Living and bytig militaries 6. Apparett exectings		§ -\$\$- =	2000 1,000 1	2000 2000 2000 2000 2000 2000 2000 200	:	<u> </u>			<del></del>					
C. RECURRENT COSTS Country 14-14-14 (lQ) VALIDATE (mg)		8°	90	80	20	80	98	120	3,600	160	6,000	\$,000	88	3,000
PPICER (SAMONUME) 14-14-14/10 Virapong meterials	9.5						:		·					
Wages (presommésmel) bent laborimes med laborimes	88		<u>-</u>						· · · · · ·					
Coats (paso) Fartikar Wwyddyn materiale Lather		<b>3</b> 2 8	3,0°	₹.\$	\$ 0.35	36 26 26 26 26	900 100 2,290	2200	300	401, 034, 036,	25.00 20.00 20.00 20.00	98.00	98. 98. 98. 98. 98. 98.	86.88
		9 9	986	1,072	200	1,112	3,670				5.102	5,240]	9	
D. RETURNS Production Revenue (paso) at 5.00	(Torrha)	00	00	66	66	00	16,500	3.6	29,000	20,000	37,500	7.5 37.500	37,500	37.500
Cash Plow Projections INJOX Sales			•	- 6	•		16,500	18,000	000.61	18,000	10,000	37,500	37,500	37,500
Farmer Contribution (Half of labor costs)		2,010	Q16	8	780	780	1.140	7380	97.	1,680	000'1	3.000	1,000	1,650
. Investment . Worsing stotal Total inflov		8,956 0,000 15,789	5 8 8 8	\$ 2	2,043	1,000	3,070	20,760	20.380	20,260	20,260	SE (80	35,180	56.180
Outlant Investment/replacement Repurrer conts Total Outlaw		5,048 0.00 8,03 5,03 5,03 5,03 5,03 5,03 5,03 5,03 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	* 67.5	2,045	2,112	3,070	87. C	3,548	<b>3</b> 9	00.2 8.22.2	300 5,340 6,440	300 5,240 5,440	\$ 200 \$ 240 \$ 440
Net incume baffore debt Loan outblanding Internet due		12,558	018 664,71 79A,6	22, 22, 28, 28, 28, 28, 28, 28, 28, 28,	25 780 20 540 200	26,568 37,7,7	17,040 40,361 0,670	16,712 42,301 64,60	7,057	28,201 5,860	27,27 181,14 101,4	85,74 00,74 00,82 00,82	33,740 7,050 7,410	600 000
Datot secolds internet Repsyment	. F	00	00	00	99	00	0,870	7,050	7,050	7,080	4.7. 0.80,	7,850	7,050	7875
Net Income after dath contoe Curruntice net income Nantage of throby labor Curruntice mending Average net retarifymeday		24.2. 26.0. 26.0.4.	58282	5 6 t 2 2	88581	25 4. 25 5. 25 5. 27 5. 28	•	202.1.8 2.00.1.2 2.1.2 2.1.2 3.8	2.7. 2.2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	4.5 8.5 2.4 8	Agus &	258 853 118	25.280 25.81 28.23 24.24	64 64 64 64 64 64 64 64 64 64 64 64 64 6
Douctiel anaboths Resente from sales Cash outflow Net goeth flow		12,558	2,386	0 479.74 479.74	2,043	0 LL.C.	16.500 3,070 13,430	000,00 00	6.5. 5.5.6. 5.5.6.	10,000 0,548 15,452	19,000 4,548 14,452	75.500 244.50 260.00	37,500 5,440 32,080	37,500
a Rain	* B	With seven year	e of deta semilos	in years 6 to 1	_									

Table 0.2-35 Financial Model for Jackfruit Production: Marangog (One Hoctare)

والمراوات والمرا						***************************************	YEAR					, , , , , , , , , , , , , , , , , , ,	-
	_1_	2	3		5	8	7	8 ]	. 9	10	- 33	12	13-25
A. LABOUR REQUIREMENT (man-day)											i		
Land clearing/preparation     Station of location in landing.	24 10	- 1		l	l	l		- 1			1		
Stalding/digging/planting     Watering	7	- 1	l	- 1			i		.		- 1		
4. Replanting	o	- 1	J	- 1		- 1			~	. !			
5. Weeding/fertilization/spraying	18	18	18	18	18	18	18]	18	18	18	18	18	
6. Pruning/fruit thinning	4	8	8	8	8	8	8	. 6	8	8	8	8	8
7. Harvesting	0	0	9	0		12	16	20	30	30	30	30	30
Total mad Total md:	24 39	27	26	26	26	38	42	46	56	56	56	56	56
B. INVESTMENT (peso)	39												
d. Attropalities (pess)	9α	Peso/unit	Pe-so	1				1	1				
Orchard tools and equipment	1	1,000	1,000	1	İ			1	:				
2. Grafted seedlings	156	30	4,680	- 1	l	:						. :	
3. Shading supports	156	1	. 78		l				i				'
4. Lining and tying materials	1	200	200				7-1						
5. Replanted seedlings	14	30	5,958 420	- 1	i								
J. Repaired seedings	17	~	72	- 1				l	7.1				
C. RECURRENT COSTS					1		1	ŀ		1.			
Quantity				- 1						:		:	
14-14-14 (kg)	200	50	60	70	80	100	120	140	160	180	200	200	
Wrapping materials (ea)	0	9	o.	0	o	1,000	2,000	3,000	4,500	5,000	5,000	5,000	5,000
Diam to 1 20			I	•			· [						
Prices (peso/unit) 14-14-14/kg 6-8			!	1			i 1						
t4-14/kg 68 Wrapping materials 0.1				ł									1
violeting materials vi													
Wages (peso/mad/md)	'		1	ŀ			'						
Hired Tabor/mad · · 120								- 1					
Hired labor/md 60	ŀ	į						·					
				. !	i			l					
Costs (peso)	1,360	340	408	476	544	680	816	952	1,088	1,224	1,360	1,360	1,360
Fertilizer Wrapping materials	1.300	340	- 0	***	2.0	100	200	300	450	500	500	500	500
Labor	5,220	1,620	1,560	1,560	1,560	2,280	2,520	2,760	3,360	3,360	3360	3360	3360
	6,580	1,960	1,968	2,036	2,104	3,060	3,536	4,012	4,898	5,084	5,220	5,220	5,220
D. RETURNS			:		:							:	
Production (Ton/ha)	0	0	O	<u>C</u> ]	<u>0</u>	33	38	5.8	66	7.5	7.5 37,500	7.5 37,500	7.5 37,500
Revenue(peso 5,000 Peso/ton	٥	0	0	0	0	16,500	19,000	29,000	33,000	37,500	31,000	37,000	37,500
Cash Flow Projections			: 1				: *						
Inflow					75								· .
Sales	0	0	0	0	. 0	16,500	19,000	19,000	19,000	19,000	37,500	37,500	37,500
Farmer Contribution				1			l. I						
(Half of labor costs)	2,610	810	780	780	780	1,140	1,260	1,380	1,680	1,680	1,680	1,680	1,680
Loan			4.		4.000		l l					-	
- Investment	5,968 6,580	420 1,960	1,968	2,036	1,000	3,060							i .
- Working capital Total Infloy	15,148	3,190	2,748	2,816	3.884	20,700	20,260	20,260	20,260	20,260	39,180	39,180	39,180
(OLDI RINGS)		3,130	2,140			20,100	10,100		,	55:557			
Outflow	2.5	'		i i									
Investment/replacement	5,958		1	·	1,000		l	٠		1,000	200	200	
Recurrent costs	6,580		1,968	2,036	2,104	3,060		3,536	3,536	3,536	5,220	5,220	
Total Outflow	12,538	2,380	1,968	2,036	3,104	3,060	3,536	3,536	3,536	4,536	5,420	5,420	5,420
tistics and before debt	2,610	810	780	780	780	17,640	16,724	16,724	16,724	15,724	33,760	33,760	33,760
Net income before debt Loan outstanding	12,538			29,491	38,493	49,252			28,144				
Interest due (20%)	2,508			5,838	7,699			7,036	5,629				
Debtservice		'			1								~
Interest	0			- 0	. 0	9,850		7,036	5,629	4,222	2,814		
Repayment	0	0	0	G	0	7,036	7,036	7,036	7,036	7,036	7,036	7,036	0
Manager and a section of the section			760	780	780	754	1,245	2,652	4,059	4,466	23,910	- 25,317	33,760
Net income after debt service Cumulative net income	2,610 2,610			4,200	4,980	4,954		7,606	10,284	12,072			
Mandays of family labor	2,610			13	13	19		21	21	21	28	28	
Cumulative mandays	20			59	72	91		133	154	175	203	231	259
Average not return/manday	134			71	69	54	56	57	67	69	148		
· ·						1.						- :	1
Financial analysis	]	1			.						****		23.00
	1 0	0		0	0	16,500		19,000	19,000		37,500		
Reveaue from sales	44												
Cash outflow	12,538				3,104	3,060		3,536 15,464	3,536 15,464		5,420 32,080		
	12,538 -12,538				3,104 -3,104			3,335 15,464	3,536 15,464				
Cash outflow	-12,538												

0.2-36 Financial Model for Bagras Forestation (Limited Production)

SUNEMENT (A	į į	Ę	6. Replanted seedings RECURRENT COSTS Charlety Furblant	Prices (pesoAnti) Fertilizer (Ag) Hind laber(md)	Conto (peno) Familiar (abor Minc.	D. KETURNS Production Fusiwood Polen Saming	Fuerwood at Poles at Sawlog at	Cush Flow Projections IDDOX: Sales Farmer Constitution	abor coats)		Recurrent coats Total Outflow	Nat income before debt Loen outstanding inferest due (20%) Debt survice interest	Repayment Net income after dett sentos Montalides met accome Membrany of famely labor Cumlative membrany Awerge nat reterminantisy	Enancial anabels Revenue from sales Cert outlow Net cant flow	
Thermiden!	Total md	Table (m)	0.07 of an	₹		(w/na) (w/na)	75 P/bu.m 946 P/bu.m 3,216 P/bu.m			· · · ·		. 0020	•		8
		8 882		<b>8</b> 8	388	<u></u>			057. 85.6.		8,637	1,786 4,767,	. 22 KNS	0 7.000,8 7.000,8	
	2 NO 80 0	(Centrol)	2.50		3888		0000		S 3.6		1,000		o 68880 900 900 900 900 900 900 900 900 900	0 0 0 0 1,990 7,	
	- <b>a</b> 0 a	2,000 2,000 2,000 417 900 84,438			9888		0000	9	•		88	86.55 41.55 0	48	0 600.1	
	* • 0			·	00.8		0000		ន្ត		333	20,092 20,092 84,134		28.8	
	4 * 2				000 SEC.		6000	•	ង ន		33	28.08d 5.243 0		0 825.	- 1
	₹•			<del>· · · · · · · · · · · · · · · · · · · </del>	0 0 2 5	£ 00	0000	9,0	8 8	2,483	238	25.55 4.85 4.85 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0	5 5 5 4 4 B	07.0 8.05.	_
-	· · · · · · · · · · · · · · · · · · ·				0 8 8	005	8000		350	S859	5.55	8,050 0,050 0	O 000 0 4 8	0 427	_
-	469			<del> </del>	- 83 ×	000	6000	6	8 8	288 288 288 288 288 288 288 288 288 288	235	084 64 705 0	3 8 8 4 8 E	0 25 ±	_
-	400		<del></del>		00 88 8 38 8	000	8000	8	98 0 KZ	8 0	228	250 66,680 12,136 0	0 050 0	- <u>44</u>	_
+	***				0 85 8C	200	25.95	24.980	g 00	<u> </u>	22.5	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	118 2 28 4 2 1 3 28 4 2 1	24,250 1,234 815,615	-
-	4 <b>e</b> g		·	-	. 5 % %	200	• • • • •	•	2. 2. 00		25.25	350 87,378 17,478 0	26,036 28,036 24,5 24,5 24,5 24,5 24,5 24,5 24,5 24,5	25.50	
.	4 ∞ છ		· · ·	<del></del>	0 0 5 5	000	*****		<u>8</u> 00		1,235	20,95 42,95 17,0,0	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	0 8 K	
-	4 6 6				988 65		****	<u> </u>	50.00		25.5	2 2 2 2 2 2 2 2 2 2	8 8 8 8 8 8 8 8 8 8	2 2 2	
	+0€		<del></del>	<del></del> .	700 535 235	204	207,728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	207,230	3 00	709 802	22.52	207,589 150,990 30,168 30,198	08.085 104.82 157.88 8.39	207,236 1,236 208,004	
l					. 55 SE	6	6666		8 00		123	3000	97.05 97.08 97.08	ลี่ผู้	

Table 0.2-37 Financial Model for Begrae Forestation: Sites (One Mectare)

			ĺ															
L. LABOUR ARQUIRENT (man-day) 1. Stating,dogmp,tierting beam tertigation 2. Weiseng	(derj-spens)		\$ n	•		· · ·												
5. Replecting 4. Westfing 5. Physing	Total md.			- E O Ø		<b>80</b> 0	400		<b>+•</b> 0	0		+00	400	<b>▼</b> • •	400	4.00		440
B. HVYSTTERE (pena) 1. Forum (cons. 2. Securing (3.4 m) 3. Studing (3.4 m) 4. About 1030 of 4. About 1030 of 1570 meeting (m)	7488 (m)	8	-888	Pessket 1,000 2,50 0,50 6,00	8	2,000 2,000 1,000						:		*				
5. Replicated seedings				2,90		33			·				· · · · · · · · · · · · · · · · · · ·					
Guardiy Ferdene			8	Đ	<del>-</del>													
Prices (psendunk) Ferbler (AQ) Yerd bibor(FeQ)	70.07 0.00	66						•			<u>.                                      </u>						·	
Cours (peac) Fartilizer Labor Alac.			388	8228		~ § 5 §	. 88 8		- 888 8	288		000	92.5	00.8	0888	988		288
D, RETURNS Production Fusions Fusions Fores Saving	(M.140) (M.140)	<u> </u>	660			000	000		000	÷.		000	600	000	29,0			600
Revenue Fusheood at Polee at Serving at	75 //ww.m 086 P/w.m 7,218 P/w.m	·	0000		8300	8000	0000		0000	2000		6000	6000	8000	24,850 24,850 0		0000	
Cash Flow Projections IDEXX Sales			ø				•	•		0,50					34,850		<del></del>	
Farmer Contribution (Half of Jabor costs)			8	315		- 98	8	٠.	8	92		ş	986	38	380	SX		8
Loan - Investment - Working capital Total Inflow			20.00	3. 1. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.		~ <b>8</b> %	1,30		~ £ £	1,235		235	982	1,5665	1 726	, 236 (7.08)		28.38 88.33
Quedion Investment Recurrent costs Total Outhow			4,456 4,375	4 9 8	960	°88	23.0		0 8 80	1,236		23.80	2,30	1,735 855,	1,235	1.235		23.0
Net income before debt Loan outstanding interest Gue 1/ Debt, services interest		· 	2000	215.01 0.00		82 d. 0	3300		38 ° °	15,624	· ·	0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	040 40 0	920	000 00 00 00 00 00 00 00 00 00 00 00 00			9 40 00 8
Repayment 1/ Suppenting Internet-free loans	loan		a			•	<del>-</del>		<del>-</del>	<b>D</b> : ¯	:	<u> </u>	B	5				5
Net income after debt service Cumulative net income Mandays of family labor Cumulative mandays Average hat returnimenday		· · · · · · · · · · · · · · · · · · ·	\$ 8 M 8 B	2 5. 2 5. 2 5. 2 5. 2 5. 2 5.		83° 48	25 8 8 5 27 8 8 8 5 27 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		88.15	5 8 a 3 8		3 5 × 18	5 5 4 3 7	38.85 38 38.85 38.85 38.85 38.85 38.85 38.85 38.85 38.85 38.85 38.85 38	50.50 50 50.50 50.50 50.50 50.50 50 50.50 50 50 50 50 50 50 50 50 50 50 50 50 5	30,085 30,085 5 74 74	1 + 1	21.216 22.216 26.20 26.0
g \$		· 	27.7	0.000,1		0 900°5	138	77	្តម្ភី	858		238	e g g	និដ្ឋ	24,850 1,236 23,615	1,235		382,1-
FIRE .	. 761		-		· ·		-		-					•		•		

Table 0.2-38 Financial Model for Begainga Forestation: Marangog (One Hectare)

#								YEAR		71					
A LABOUR REQUIREMENT (man-day)		2	3		- 5	6		8	9	10	11	12	13	14	13
Staking digging planting     besal ferbization     Watering     Reptanting     Weeding     Praying     Praying     Praying	43 2 0 8 0	1,	8	4	4 6	4 6	4 6	4 6	4	4	4	4		•	4
₹otal md.	50	9	8	10	10	10	10	10			10	- 6 10	10	10	10
8. INVESTMENT (poso)  1 Forest tools 2 Sceding (3 x 4 m) 3. Shading support 4. Abace tope as tying matcrials (m) 5 Replanted seedings	9ty 1 833 833 170 58	Pesokait 1,000 250 050 8 00 250	Peso 1,000 2,083 417 960 5,459 145											: '	
C. RECURRENT COSTS Quantity Festiver	50	100													
Prices (peaclunit) Fortizer (Mg) 680 Hured labor(Mid) 6000					-					÷					:
Costs (peso) Ferhirer Labor Misc to makih DENR figures	340 3,000 535	680 540 535	0 480 535	0 600 535	0 690 535	0 600 635	0 600 535	600 535	0 600 535	535	0 600 535	0 600 536	0 600 535	0 600 535	
	3,875	1,755	1,015	1.135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135
D. RETURNS Production Poles (cum)	0	. 0:	c	ا ،	. 0	o	165	o		0	o	0	. 0	. 0	56
Fuctwoods (cum)	0	0	0	0	- 0	. 0	Č	ŏ	ŏ	o.	Č	ő	Č	ō	
Revenue Poles et 1,018 P/cum Fuctwood e 85 P/cum	0	c 0	0 0 0	0 0 0	0	0	15,899 16,899 0	0	000	0 0 0	0	0	0	0	57,110
Cash Flow Projections	* .		*		.:			1						:	
Sales	0	0	0	٥	. 0	. 6	16,899	0	0	0	٥	٥	0	0	57,790
Farmor Contribution (Half of labor costs) Loan	1,500	270	240	300	300	300	300	300	300	300	300	300	300	300	300
Prestmont Worting capital Total Inflow	4,459 3,875 9,834	145 1,755 2,170	0 1,015 1,258	0 1,135 1,435	0 1,135 1,435	1,135 1,435	0 1,135 18,334	0 1,135 1,435	0 1,135 1,435	0 1,135 1,435	0 1,135 1,435	0 1,135 1,435	0 1,135 1,435	0 1,135 1,435	0 1,135 59,725
Outflow Investment Recurrent costs Total Outflow	4,459 3,875 8,334	145 1,755 1,900	0 1,015 1,015	0 1,135 1,135	0 1,135 1,135	6 1,135 1,135	0 1,135 1,135	0 1,135 1,136	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135
Net income before debt Lean outstanding Interest due 17	1,500 8,334 0	270 10,234 0	240 11,249 0	300 12,384 0	300 13,519 0	300 14,654 0	17,199 15,789 0	300 15,924 0	300 18,069 0	300 19,194 0	300 20,329 0	300 21,464 0	300 22,599	300 23,734 0	
Polit service Interest Repayment	0	0	. 0	0	. 0	0	0	0	0	0	0	0	0	o o	C 24,870
1/ Suggesting interest-tree loans						1									
Net income after dool sorvice Cumulative net income Mandays of family labor Cumulative mendays Average net returnimanday	1,500 1,500 25 25 60	270 1,770 5 30 60	240 2,010 4 34 60	300 2,310 5 39 60	300 2,610 5 44 60	300 2,910 5 49 60	17,199 20,109 5 54 376	300 20,409 5 59 349	300 20,709 5 64 326	300 21,009 5 69 307	300 21,309 5 74 290	300 21,609 5 79 275	300 21,909 5 84 262	300 22,209 5 89 251	55,429 5 94
Financial analysis Revenue from sales Cash outlow Net cash flow	0 8.334 8.334	0 1,900 -1,900	0 1,015 -1,015	0 1,135 1,135	0 1,135 -1,135	0 1,135 -1,135	16,899 1,135 15,764	0 1,135 -1,135	0 1,135 -1,135	0 1,135 -1,135	0 1,135 -1,138	0 1,135 -1,135	0 1,135 -1,135	0 1,135 1,135	57,790 1,135 56,655
FIRR = 15 %						j									

Note: Use stumpage price  $\star$  market price less houting, transport, sawing/felling/buckling

Table O.2-39 Financial Model for Flemingia Hedgerow Planting at Sappaac (One Hectare)

эмдэг (1948). Вине технят түүсүү бүү мүүн эмгийн түүсүү жүү жүү жүү жүү жүү жарын жарын айын жарын не унстиктик менунун жаган жары		Parama anno ann ann ann ann ann ann ann ann a	YEAR	and the second second second second second	THE SHEW THE COLUMN ASSESSMENT AND ASSESSMENT OF THE COLUMN ASSESSMENT ASSESS
	1	2	3	4	5-15
A. LABOUR REQUIREMENT (man-day)					
1. Staking, digging, planting	•				
basal fertilization	10,	·			
2. Replanting		1	0	0	0
Total md.	10	1	0	0	0
B. INVESTMENT (peso)					
A Canada at too	Qty	Peso/unit	Peso	. \	
1. Forest tools (set)	1 1000	1,000	1,000	- 1	
2. Seedling (1 x 5 m)	1,800	1.00	1,800		
2. Deployed condlines (7.0) at each	٠	4.00	2,800 252		
3. Replanted seedlings (7 % of total)	252	1.00	232		
C. RECURRENT COSTS	ļ	· · · · · · · · · · · · · · · · · · ·			
Prices		1.			
Hired labor(peso/md) 70	<u> </u>				
times appropriately		- 1			
Costs (peso)					
Labor (peso)	700	70	· 0	0	0
	700	70	0	0	0
D. RETURNS					
No direct return is expected as Flemingia				1 1.	
will be grown as hedgrows for the benefits	,		11		
of other fruit trees and crops to which the		·			
production costs of Flemingia will be	1				
allocated.					
			#*		
E. TOTAL COSTS				_	
Investment	2,800	252	0	0	0
Recurrent costs	700	70	0	0	0
Total Costs	3,500	322	0	0	0
					***************************************

Table O.2-40 Financial Model fot Flemingia Forestation: Cofcaville (One Hectare)

如此情况的情况,我们就会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会	Marie (po menentalni Mirroyal)	COLUMN TO THE PARTY OF THE PART	YEAR		
	1	2	3	4	5-15
A. LABOUR REQUIREMENT (man-day)	TO SERVICE STREET		Constitution of the page	CALLEGE STREET, STREET	-
Staking, digging, planting				·	1
basal fertilization	10				ļ
2. Replanting		1	0	L	
Total md.	10	1	0	0	
B. INVESTMENT (peso)	-				
	Qly	Peso/unit	Peso	· ·	
1. Forest tools (set)	. 1	1,000	1,000		
2. Seedling (1 x 5 m)	1,800	1.00	<u>1,800</u>		
			2.800	Ì	ĺ
3. Replanted seedlings(7 % of total)	252	1.00	252		
C. RECURRENT COSTS				1	[
Prices	1				
Hired labor(at peso/md) 60					
	:	. * '	* * *		1
Costs (peso)					[
Labor (peso)	600	60	0	О	
<b>[</b>	600	60	0	0	
D. RETURNS					
No directed return is expected as			. 144		
Flemingia will be grown as hedgrows	10 m				
for the benefits of other fruit trees and					
crops to which the production cost of					1.
Flemingia will be allocated.					
E. TOTAL COSTS	- 1				i .
Investment	2,800	252	0	0	0
Recurrent costs	600	60	0	0	
Total Costs	3,400	312	0	O	~ 0

Table O.2-41 Financial Model for Flemingia Forestation: Marangog (One Hectare)

	~~	AN PARTICIPATION OF THE		YEAR		
	Ī	1	2	3	4	5-15
A. LABOUR REQUIREMENT (man-day)	zeromet a	STACKET STREET, STATE ST	The state of the s			
1. Staking,digging,planting	ł				·	
basal fertilization		10			,	
2. Replanting	ļ.			0	O ñ	
Total md.	-	10	'	- <del></del>		
3. INVESTMENT (peso)	1					
5. HAVESTMENT (beso)		Qty	Peso/unit	Peso		
1. Forest tools (set)	ł	1	1,000	1,000	l	÷
2. Seedling (1 x 5 m)		1,800	1.00	1,800		
				2,800	•	ļ
3. Replanted seedlings (7% of total)		252	1.00	252		1
		44 <sup>*</sup> 4			[	
C. RECURRENT COSTS	·					
Prices						:
Hired labor (at peso/md)	60					
	-	*				
Costs (peso)		600	60	. 0	1 0	
Labor (peso)	ł	600	60	0	0	
D. RETURNS	. 1					
No directed return is expected as		. *				
Flemingia will be grown as hedgrows					1	•
for the benefits of other fruit trees and		* .		·	1	1
crops to which the production costs of			1			
Flemingia will be allocated.						
E, TOTAL COSTS						
Investment		2,800	252	. (	) (	)
Recurrent costs		600	.60		I	1
Total Costs	1	3,400	312	[		) <b> </b>

Table 0.2-42 Financial Model for Flemingia Forestation: Silae (One Hectare)

<del>WERNINGTON ONE OF THE CHARLEST THE TRANSPORT OF THE THE THE THE THE THE THE THE THE THE</del>				YEAR	<del>na na dimana manda ba</del> Kari	
	Ì	1	2	3	4	5-15
A. LABOUR REQUIREMENT (man-day)	3000	AT MELINE THE STATE OF THE STAT	) and the second			
Staking.digging,planting	ĺ					
basal fertilization		10				
2. Replanting	- {		1	0	0	0
Total md.	{	10	1	0	0	0
B. INVESTMENT (peso)	Ì			_		·
		Qty	Peso/unit	<u>Peso</u>		
1. Forest tools (set)		1	1,000	1,000		
2. Seedling (1 x 5 m)		1,800	1.00	1,800		
	•			2,800		
3. Replanted seedlings (7% of total)		252	1.00	252		
	* *			r <del>-i</del>		
C. RECURRENT COSTS					1.4	
Prices						* *
Hired labor (at peso/md)	70		100			
	1.	•			· ·	•
Costs (peso)						
Labor (peso)	1	700		0	0	
		700	70	U	0	
D. RETURNS						
l						
No directed return is expected as Flemingia			Ì			
will be grown as hedgrows for the benefits			1			
of other fruit trees and crops to which the	'					
production costs of Flemingia will be						[
allocated.			1			ĺ
E. TOTAL COSTS	3		مر م			,
Investment	٠	2,800		<b>3</b>	0	] }
Recurrent costs		700		<u> </u>		<b> </b>
Total Costs		3,500	322	0	·	<u> </u>
			]			_

Table 0.2-43 Financial Model for Gamelina Forestation at Cofcaville (One Hectare)

(Опо леста									YEAR							
			2 1	-3	4	-3-1	- 8	y	FEAR	9	10		12-	13	- 14	15
A TABOUR REQUIREMENT (mem 1. Stating dipping planting tesal fertilization 2. Watering 3. Reylanting 4. Weeding	-đay)	40 ? 0 8	3 8	8	4	4	4	4	4	4	4	4	4	4	4	. 4
5. Pruning	_4	50	0	8	6 10	10	6	- 6 10	6	- 6 10	- 6 10	10	5 10	10	<u>-</u> 5	10
Total n  B. INVESTMENT (poso)  1. Forest tools  2. Seeding (3 x 4 m)  3. Shading support  4. Aboca rope as tying materials (n		925y 1 833 833 120	PesoAnii 1,000 2,50 0,50 8,00	Peso 1,000 2,083 417 260 4,459	101	10		2						: :	,,	
5. Replanted seedings (7%)		53	2 50	145			•					•				
C. RECURRENT COSTS  Quantity  Fertizer		50	100												·	
Prices (pesolunit) 14-14-14 (Ag) Hired inter(And)	6 90 60 00															
Costs (poso) Feritizer Labor Misc.		345 3,000 535 3,880	690 540 535	0 480 535 1,015	600 535 1,135	0 600 535 1,135	0 600 535 1,135	0 600 535 1,135	0 600 535 1,135	0 600 535 1,135	0 600 535 1,135	0 600 535 1,135	0 500 535 1,135	0 600 535 1,135	0 600 535 1,135	0 600 535 - 1,135
D. RETURNS Production					-							·				:
Fuelwood Poles Sawlog	(cu.m) (cu.m)	0	000	0	0	0 0	0	10 8 0 0	0	0	0 208 0	0	0	0	00	51.7
Revenue Fuelwood at Poles at Sawlog at	75 P/cum 893 P/cum 2,892 P/cum	000	0000	0 0 0	0 0 0	0 0 0	0 0 0	810 810 0 0	0 0	0 0 0	18,574 0 18,574 0	. 0	0	0 0	0	149,516 0 0 149,516
Cesh Flow Projections I <u>mflow</u> Sales		o	0	0	0	0	0	810	. 0	0	18,574	C	0	 •	. 0	149,516
Farmer Contribution (Half of labor costs) Loan	1.	1,500	270	240	300	300	300	300		300	300	300		300	300	1,435
- Investment - Working capital Total Inflow		4,459 3,880 9,839	145 1,765 2,180	0 1,015 1,256	1,135 1,435	0 1,135 1,435	0 1,135 1,435	0 1,135 2,245	1,135 1,435	0 1,135 1,435	0 1,135 20,009	0 1,135 1,435	0 1,135 1,435	0 1,135 1,435	1,135 1,435	0 150,951
Qutilions investment Recurrent costs Total Outlow	1. 1. 1. 1. 1.	4,459 3,880 8,339	145 1,765 1,910	0 1,015 1,615	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135		0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135
Net income before debt Loan outstanding Interest due 1/ Dobt sarvice		1,500 8,339 0	270 10,249 0	240 11,264 0	300 12,399 0	300 13,534 0	366 14,669 D	1,110 15,804 0	300 16,939 0	300 18,074 0	18,874 19,206 0	900 20,344 0	300 21,479 0	300 22,514 0	300 23,749 0	23.749 0
Interest Repayment		0	0	0	0	0	-	. 0			0	0	°			4
1/ Suggesting interest-free loan.		1 : :								10						
Net income after debt service Oursulative net income Mandays of family labor Oursulative mandays Average net return/manday		1,500 1,500 25 25 60	1,770 5 30	240 2,010 4 34 60	300 2,310 5 39 60	300 2,610 5 44 60	300 2,910 5 49 60	1,110 4,020 5 54 75	4,320 5 59	4,620 5 64	18,874 23,494 5 69 343	300 23,794 5 74 324	300 24,094 5 79 307		300 24,694 5 89 279	150,761 5 94
Finencial analysis Revenue from seles Cash outlow Net cash flow		8,339 -8,339	1,910	0 1 0 15 -1 0 15	0 1,135 1,135	0 1,135 -1,135		810 1,135 -325	1,135	1,135	18,574 1,135 17,439	0 1,135 -1,135	6 1,135 -1,135	1,135	1,135	149,516 1,136 148,381
FRR =	21 %		il			l	Ŀ	L	J	1	L	L	L	L	<b></b> -	L

Note: Use stampage price a market price loss having, transport, sawing/felling/bucking.

Table 0.2-44 Financial Model for Gemelina Forestation: Marangog (One Hoctare)

(One Hectare)																
መል የአልም "የነልቀው የተጠባት ልማይን መስጀክሩ የተሰው የተባለ ተጠባ ልማር የተማሰት የተጠባት የተጠባት የተጠባ ልተ የፈጠልተ		11	2	3	-11	3 1	6	7 1	YEAR	- <u> </u>	10 1		12	75	71	13
A EABOUR REQUIREMENT (man-de 1. Staking doping planting testal fertilization 2. Watering 3. Replanting 4. Weeding 5. Pruring Total and	7)	40 2 0 8 0	\$ 8 0	8 0	4 6	4 6	4 6 10	4 6 10	4 6	4 6	4 6	4 6	4 6	6	4 6	
8. INVESTIMENT (pcso) 1. Forest lools 2. Seeding (3 x 4 m) 3. Shading support 4. Abaca tope as tyling materials (m)			PessAnd 1,000 2 50 0 50 8 00	Eesq 1,000 2,083 417 960 4,459					:							·
5 Replanted seedings	Į	58	2 50	145				1								
C. RECURRENT COSTS Quantity FerSizer		50	100					٠.								
Prices (pesoAnit) Fertitzer (Ag) Hired labor(And) Costs (peso)	6 80 80 00	:														
Ferdizer Labor		340	680	. 0 480	0 600	600	. 0 600	0	0	0 600		0	0	0	0	
Misc		3,000 535	540 535	535	<b>5</b> 35	535	535	600 535	600 535	535	600 535	600 535	600 535	600 535	600 535	535
O. RETURNS Production		3,875	1,756	1,015	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135
	cum)	. 0	0	. 0	0	0	0	10.8	0	0	20.8	0	0	0	0	
	cum)	0	0	0	0	0	0	918	0	0	0 21,174	0	0	0	0.0	Ì
Fuelwood at 85 F	Acu m	0	0	c	0	o	0	918	. 0	0	0	•	0	0	0	152,153
	Yourn Yourn	ő	0	0	0	0	Ö	0	- 0	0	21,174 0	0	- 0	0	0	
Caslı Flow Projections								·							-	1
<u>Inflow</u> Seles	ļ	,	0	0	۰		c	918		. 0	23,174				٠	152,15
Farmer Contribution (Half of labor costs)		1,500	270	240	300	300	300	300	300	300	300	0 300	300	300	300	
Loan - Investment - Worlding capital Total inflow		4,459 3,875 9,834	145 1,755 2,170	0 1,015 1,255	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	0 1,135	(
	•	9,034	2.170	1,200	1,435	1,435	1,435	2,353	1,435	1,435	22,609	1,435	1,435	1,435	1,435	153,58
Outflow investment Recurrent costs Fotal Outflow		4,459 3,875 8,334	145 1,755 1,900	0 1,015 1,015	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135 1,135	0 1,135	0 1,135	0 1,135	1,130
Net income before debt Loan outstanding Interest due Debt service	* .	1,500 8,334 0	270 10,234	240 11,249 0	300 12,334 0	300 13,519 0	300 14,654 0	1,218 15,789 0	300 16,924 0	300 18,069 0	21,474 19,194 0	300 20,329 0	1,135 300 21,464	1,135 300 22,599 0	1,135 300 23,734 0	
Interest Repayment		0	0	. 0	0	0	0	0	0	0	0	0	0	0	0	
Net income after deld service		1,500	270			300	300	1,218	300	300	21,474	300	300	300	300	
Cumulative net income Mandays of family labor	· 1	1,500 25	1,770 5	2,010 4	2,310 5	2.510 5	2,910 5	<b>4,128</b> 5	4,428 5	4,728 5	26,202 5	26,502 5	26,802 5	27,102 5	27,402 5	179.85
Oursulative mandays Average het returnhanday		25 60	30 60		33 60	44 60	49 60	54 77	59 76	54 74	69 383	74 361	79 341	84 325	89 310	
Einancial anabrale Revenue from sales Cash outflow	•	0 8,334	0 1,900	0 1,015	0 1,135	0 1,135	0 1,135	918 1,135	0 1,135	0 1,135	21,174 1,135	0 1,135	0 1,135	0 1,135	0 1,135	152,15 1,13
Net cash flow		-8,334	-1,900	1,015	-1,135	-1,135	-1,136	-217	-1,135	-1,135	20,039	-1,135	-1,135	-1,135	-1,135	151,01
FIRR = 22 %				1					l .							

Note: Use sturpage price a market price less hading transport, sewing/felling/bucking

Table 0.2-45 Financial Model for Gemetina Forestation: Silae (One Hectare)

(One nectare)															
entralisente de la company de la company de la company de la company de la company de la company de la company La company de la company de la company de la company de la company de la company de la company de la company de								YEAR							
TO THE STOCK SERVICE STATE OF THE STOCK SERVICE STATE OF THE STATE OF		2	3	4	5	6	<u> </u>	B	9	10	11	12	15	14	15
A LABOUR REQUIREMENT (man-day)  1. Stalling digging planting	j j					1	<b>.</b>							1	1
basat fertilization	40			:											
2. Watering	2														
3 Replanting	0	1										1 .		100	
4. Weeding	[8	8		4	4	4	4	4	. 4	. 4	4	4	4	4	] 4
5. Pruning	cl	0	. 0	6	- 6	6	6	- 6	6	6	€		6	. 6	6
Total md.	50	9	8	10	10	10	30	10	10	10	10	10	10	10	10
B. INVESTMENT (paso)	ł						}			1					
G. INVESTMENT (peso)	Ωtų	Peşo/unit	Peso				ŀ	İ							
1. Forest too's	er (	1,000	1,000												
2. Seedling (3 x 4 m)	833	250	2,083	j .			]			]	]	. · ·			]
3. Shading support	833	0.50	417			İ			ĺ	l					
Abaca rope as tying materials (m)	120	8 00	960												
			4.459												
5. Replanted seedlings	58	2 50	145				•				i :	<b>i</b> 1		Ì	1
C. RECURRENT COSTS			·						,						
Quantity	i	1		1	3					1 1	:	:			
Fertilizer	50	100								<b>,</b>				!	
	ا" ا									l '					'
Prices (pesolunit)	[					Ì'	]			!	'	1			1
Fertilizer (/kg) 5 80	]		1			·	]			1			,	i	j l
Hired fabor(/md) 70 00	[ [					1.	ĺ			[	·			Ī	
Contract							]					:	)		
Costs (peso) Fertilizer	340	500		c		: 6	ا ا			٠,	ا ا			_	,
Labor	3,500	630 630	560	700	700	700	700	700	700		700		790	0 700	700
Misc.	535	535	535	835	535	535	535	535	535	535	535	535	535	535	535
	4,375	1,845	1,095	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235
D. RETURNS															
Production														1.	
Fuelwood (cu.m)	0	0	0	٥	C.	. 0		0	0	٥	0		0	0	. 0
Poles (cu m)	. 0	٥	0	0	0	0		. 0	0	20.8	o o		0	. 0	9
Sawlog (cu.m)	[ 이	0	. 0		: 6	0	٥	יי	. 0	וייי	٥	٥	Đ	.00	51.7
Revenue	0		0	. 0	o	اه	810	0	0	20,675		٥	o	0	115,188
Fuetwood at 75 P/cu m	اه ا	o	o	o o	٥	'ه		0	0		ان ا		, o	o	173,700
Poles at 994 Picum		0	. 0	Q	٥	0	0	0	0		0		0	. 0	0
Sawfog at 2,228 P/cui m	0	0	, 0	0	0	C	0	0	. 0	` 0	0	C	o	. 0	115,188
														7	
Cash Flow Projections	i i					,								: !	
Inflow Sales		۱ ۱			ا ا	ا ا	ارنہ ا			20.076					
Farmer Contribution	۱ ۱	٥	. 0	0	0	۰ ،	810	. 0	٥	20,675	٥	[ . 0]	0	δ	115,188
(Half of labor costs)	1,750	315	260	350	350	350	350	350	350	350	350	350	350	350	1,485
Loan	1							1	• • •	1	111				
- investment	4,459	145	0	. 0	0	. 0	. 0	. 0	. 0	'ه ا	. 0	0	0	. 0	
- Working capital	4,375	1,845	1,095	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	0
Total Inflow	10,584	2,300	1,375	1,585	1,585	1,585	2,395	1,585	1,585	22,260	1,585	1,585	1,585	1,585	116,673
0.1155		.: ]	1.73		]										
Outflow Investment	4,459	145	0	D			٥	0	0	٥	0	0	0		
Recurrent costs	4,375	1,845	1,095	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235
Total Outlow	8.834	1,880	1,095	1,235	1,235	1,235	1,238	1,235	1,235	1,235	1,235	1,235	1,235	1,235	1,235
			1500				<u> </u>		-,200				,,,,,,,,,	-,	:
Net income before debt	1,750	315	280	350	350	350	1,160	350	350	21,025	350	350	350	350	115_436
Loan outstanding	8,834	10,824	11,619	13,154	14,389	15,621	16,859	18,094	19,329	20,564	21,799	23,034	24,269	25,504	25,504
Interest due	이	· c	٥	. 0	0	0]	ᅵ 이	0	o	0	0	0	0	0	, ¢
Debt service Interest 0.000	ابا				_	الما	ا ا				أيرا	ام	؞		اہا
Intérest 0.000 Repayment		0	0	0	0	t c		0	0	0	0		0	0	25.674
nepoporto	[ ๆ	. ๆ	U	i ii	"	. "	i "i	U	ľ	[ "	ا" ا	ๆ	· ·	ď	25,506
Net Income after debt service	1,750	315	280	350	350	350	1,160	350	350	21,025	350	350	350	350	89,633
Cumulative net income	1,750	2,065	2,345	2,665	3,045	3,395	4,555	4,905	5,256	28,280	26,830	26,980	27,330	27,680	
Mandays of family fabor	25	. 5	4	5	5	5	5	- 5	5	. 5	5	. 5	. 5	5	5
Cumulative mandays	25	30	34	39	44	49	54	59	64	69	74	: 79	84	89	94
Average net return/manday	70	70	70	70	70	70	85	84	. 83	384	362	314	327	313	1,258
Florocki norbele	]								:						
Financial enabysis Revenue from sales	اہا	اه		٥	ارا	ابرا		آړ ا	o				_		أمميهها
Cash outflow	0 8,834	1,990	1,095	1,235	1,235	0 1,235	810 1,235	0 1,235	1,235	20,675 1,235	1,235		1,235	0 1,235	115,188 1,235
Net cash flow	-8,834	1,990	-1,095	-1,235	-1,235	-1,235		-1,235	-1,235		1230		1,235	1,235	
1		,7	.,000	,	,,		] ~~"	,,,,,	.,		.,	.,	.,	,	,
FIRR = 19%				ļ											
<u> </u>										L	ليبييا	السلا			

Note: Use stumpage price = market price less hauting, transport, saving/fetting/bucking

Table 0.2-46 Financial Model for Kakawata Forestation at Sappaac (One Hectare)

L. ALMOUTS RECUMENDY (main-day), 1. Strengt, comproperting 2. Visited (main-day), 2. Visited (main-day), 3. Repairment section, 3. Repair			1	1						
Several Control Cont	2 3 4	9	, , ,	6	10		12			
Description   Color										na) Bingania
WATESTIMENT (peed)   Totas mc.   Co.   C										· · · · · · · · · · · · · · · · · · ·
Footstitude   Parameter   Pa	<b>40</b> (3)	4 4	3 2	4 9	4 4	4 4	4 4	4 4	-   -	
2. Seeding (1 × 10 m) 2. Seeding (1 × 10 m) 2. Seeding (1 × 10 m) 3. Repaired seedings 4, 200 5, 100	Provide .				:					in a second constant
RECURSION   COST of all   CO   100	38									
RECURRENT COSTS         70           Prices (peso)         70           Losts (peso)         650           Losts (peso)         650           Losts (peso)         650           Losts (peso)         650           Losts (peso)         650           Returned         650           Fuelwood at	8							-		• • • • • • • • • • • • • • • • • • • •
Coere (pee)  Lutor Lutor Production Producti								· · · · · · · · · · · · · · · · · · ·		
Performance   Performance	35	230	280	280	280 280	280	280	280	280	280 \$35
Performance   Production   Pr	1,1651 1,095		815			315	815	815	815	315
85 Proum 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0		<u>.</u>		o	Ö	o		
2,450 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00	00	00	00	00	00	00	00	00	88
2,440 1,000 1,	o	0	0	ō	0	0		0		
1,000 1,	315 280	140	140	140	140	9	140	đ.	3	ş
97/66 1/562 1,500 63 1,100 63 7,736 1,106 7,736 1,106 7,736 1,106 0	នទ	O 90	0 6	875	0 0 815	815	8 10 10	975	8150	9.0
1,000 63 2,435 1,185 7,335 1,185 7,335 3,53 0,000 0	1,543 1,375		955			356	926	S 8	\$35 \$35	350
2,450 315 7,350 6,563 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	63 1,168 228	0 0 815 815 815	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	815 515 8	0 0 815 815 815 815	0 8 5	615 515	0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 00	0 8 %
0,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	140 11,288 12,103 0	12,918 0	13,733	140 140 14,548 15,363 0	140	047 09.903 0	04.7. 008.7.	18,623 0	04.95
2,450 315 2,450 2,755 35 35 40 36 40	00	00	00	00	00	60	00	00	<del></del>	80
	555.5 557.5 5 4 6 7	140 4,090 4,090 2 2 2 46 86 86 86	35°488	5 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	047 000 000 000 000 000 000 000 000 000	6 5 6 6 8 6 5 6 6 8	3.50 5.50 6.60 6.00 6.00 6.00 6.00 6.00 6	55448 55448	4. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Eleancial analysis	0 6227	815 815 815 815	85 A G 87 82	2 2 40 2 40 2 40	O 45 45 O 45 45 O 45 45	9 8 8 0 8 8	8 8 9 8 8	စ် ရ ဝ က က	8 8 5 40 45	80 80 C 60 80
FIRR • Vary low-regarded as coasts to other crops grown in the same area.	its to other crops grown in the seme area.									-

Note: Use stumpage price \* market price loss heuling, transport, sawing/felling/budding

Table 0.2-47 Financial Model for Kakawate Forestation at Cofcaville (One Hectore)

		-	1	  -	-	ļ	٥		YEAR	6	10	1	7.5	5	Ļ	£
A LABOUR REQUIREMENT (man-day) 1. Stears, doping, planting					ļ	ļ						<del> </del>				
Dasel fertilization 2. Westering 3. Resistation		8 4 0	•			<del>:</del>			•					<del></del> :		
4. Weeding Total md.		÷ 0	<b>40</b> G3	<b>40 60</b>	7	+	4	7	4	4 4	* *	44	* *	<del>4</del>	7	
B. INVESTMENT (peso)	J	1 .	1	Í	-		-			-			-	-		
1. Forest todss 2. Seeding (1 x 10 m)	· • · • • •	8	88	88												
3. Replanted seedings		8	8.	88							<del> · · · · ·</del>					
C. RECURRENT COSTS Prices/Wages (perchant) Hendiabor(et perchant)	8															
Conta (paso) Labor Man.		\$25	3 8	935	240 536	240	240	25 53.60	250	25.50	92 83 82 83	35 S	240 336	240 535	280 336	2.5
	L	8	1.075	1015	1				1		175		776	9//	11/6	13
O. RETURNS Production Fushrood	(6rm)	0	0		o o									· · · · · · · · · · · · · · · · · · ·		
Revenue Fuewood at 65	P/cum	00	90	00	765								<del></del> -			
Cash Plow Projections Inflow					492		· · ·		-						ć	c
Permer Constitution (Half of labor costs)		. 8	, N	9	3 8	, Š	<u>8</u>	, §	<u> </u>	, <u>8</u>	, Š	<u> </u>	8	<u>\$</u>	<u>8</u>	<u> </u>
Loan - freestment		8	8	0	0	8	0	°i	°i	Ö	°	0 }	0	0		°
- Worling capits Total refor			100	<u> </u>	3	\$ <b>3</b>	? <u>S</u>	\$ <b>2</b>	88		Ş	259	88	28	38	8
Outhor inestment fearner costs		8 5	35	9.50	3,6	38	3°	3°	å	3°	°£	°£	3,0	9 10	0.6	36
Total Outtow		8638	182	1.015	7.5	775	775	77.5	775	775;	775	77.5	775	775	77.5	775
Net income before debt Loan custurating Interest due 1/ BEDCARDICE FITEMEN Recommen		880 00	NE OO	24. 24.0000	888 860 00	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	811.0 0 0 0	11,886	5. 5.000	5 80 00	120 120 0	686. 880. 000	5 5 5 6 0 0 0 0	88.00 80.00	5 to 00	5.00 0.00 0.00
1/ Suggesting interest-free loans.				<del>,</del> -				<u>-</u>								
Net Prooms after dets service Cunzistive net Income Memory of fumily lack Cunzistive memory. Average net resummandary		94 88888	2370	624 654 4 18	25.85 74 12.85 74 12.85	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	5 8 4 8 K	ទី នឹក ង ន	55 c. \$ %	5.80,87	ទីដឹកឧប	58 v 8 k	<u> </u>	55 to 25	88.85	85,85
Praecial analysis Revenue from sales Centrourfow Net canhi sow		0 909 9 909 9 909 9	2 7 7 2 8 8	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	37.5	°££	330	23.0	23	330	277.	77.	77.	323	3730	33
FIRR (%) Not applicable and all costs	-60 1	25 De 8400	- Course pos	o other ora									:	<del></del> -	-	

Note: 'Use sumbage price a market price less hauang, transport, sewin

Table 0.2.48 Financial Model Model for Kakawate Forestation : Silee (One Hectare)

1. CABOUR REQUIREMENT (man-day) 1. Statong, agging, pending basel fettication 2. Vivienting 3. Resterring	١	-	•	•	-	C.	•	-	,							
LABOUR RELUGIREMENT (manner Labour Labour Relugirement)  Dasal feftization  2. Vertering  3. Regiening	·							ŀ		ŀ		-	-		ľ	
Deskel Tertikzabon 2. vverkening 3. Repleming																
3. Replanting		8 4	<del></del>			•	_ <del></del>									
4. Wesomc	-	<del>.</del>	- 40	. 40	4	4	-4	4	4	7	7	4	4	4	4	Ĭ
Total mo		6		<b>3</b>	-	4	-	7	-	4	4	4	<b>-</b>	-	7	
B. INVESTMENT (pero)		ě	200	\$												
1, Forest tools 2, Seeding (1 x 10 m)		- 8	88	88					· .	<del></del> -						
3. Replanted seedings		ß	8	ន្តន	• :	<del></del>		<del></del>		<del>.</del>						
C. RECURRENT COSTS		-		:	<del></del> -		<del></del>	. :				-		,		
Prices (pesolunit) Hired labor(at pesolind)	5	<del></del>			<u></u>	<u></u> :	<del></del>									
Costs (peso)												· · · · · · · · · · · · · · · · · · ·	•	6	ě	č
Labor Misc.		<b>8</b> 8	88	9 8 8	280 535	8 8	83	8 8	8 8	3 8	3.8	38	3 8	₹ <del>8</del>	8 8	3 8
D. RETURNS		5.435	1,166	960	815	815	516	815	815	£ -	315	815	815	101	CLB	916
	(cnw)	0	0	6	0.6		0	0			~		ŏ	-	0	
÷		00	00	0.0	765	- <del>-</del>	0.0	00	00	•	00	•	0.0	• 0	60	00
	W/13/4	<b>&gt;</b> .	5	ş	3	<del>,</del>	5	<del>-</del>	•	<b>-</b>	,		·—	,		
Ceen Flow Projections Inflow				~	7.07	<			c	·		c	a	c	ā	c
Seles Fermer Contribution		5 -	5	>	\$	> .	5	5	•	<del>,</del>	<del>-</del>	·	; <b>-</b>	<del>,</del>	,	•
(Heaf of labor costs)		2,48	313	8	3	<u>ā</u>	3	3	3	3	3	3	9	\$	<del>Š</del>	<del>5</del>
- Investment		98	8	0	0	0	0	0	o ;	0	0 1	0 \$	0	0 4	0 1	0 8
Total Inflow		38/6 98/6	3.0	866	\$ 8	88	8	8	8	8	<b>38</b>	98	SS	8	8	38
Outlow	:										•		<u>-</u>	•		•
Investment Recurrent costs		8.5	3 3	5 <u>6</u>	80 2 50	9 6	315	- <del>C</del>	9 6	9 60	e T		9 5	873	35	9
Total Outhor		8	27. -	8	815	913	815	815	815	815	815	815	815	845	815	318
Net income before debt Loen outstanding interest due		7,336	315 500 0	08.20 08.00 0.00 0.00 0.00	00 0 674.0 0	11,288	4 % o	12,918 0	13,733	14,548 0	04.7 0.36.3 0	041.81 0 0	46,993 0	17,808	04. E. O	041 85.461 0
Debt service interest 0.000 Repsyment		00	00	66	00	ÓÐ	00	00	60	60	60	00	50	00	00	00
Net income enter dest service Cumulative net income Mandaya of family jabor Cumulative mendaya Average net returnmenday		9.4 8.8 8.8 8.8 8	5. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	35415	986 00 00 00 00 00 00 00 00 00 00 00 00 00	3 8 4 2 8	38488	35 4 4 8 8	5 0 0 4 4 8	3. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	38,488	5 6 4 8 B	5000 6000 6000 6000 6000 6000 6000 6000	3 5 4 2 B	38,488	54.2 2.88.2 8.18.18
Einandlai anahreia Revenue from asies Cesh cuttow Net cesh flow		7,335	0 22.	88	8 8 8 8 8 8	25.50 0 87.50	8 8 0 6 6	80 de 0 50 de	2 2 2 2 25 25	6 8 6 6 6 6	ရှာ ရှာ ဝန်း စုံ	2 6 6 2 6 7	8 8 5 65 65	0 25 8	20 40 C 40 40	4 & 0 6 V
FIRR (%) Not expli	Not applicable as it may be regarded as costs to other grope grown	ay be regen	- Cost	s to other c	100 gow	in the Sem	155 e		<del>-</del> -					•		

2.49 Financial Model for Mahogany Forestation at Sappase (Limited Production)

g	* <b>6</b> 0			2000		8 8	331,061		, N	0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	33,001
16.74	** 0			200 700 863-8 727 727		0000	0 03c 1,735		8, 4	28. 717.81 7.0 86.	852.1.
1 2	** <u>0</u>			700 700 505 7.736	1 000	0000	360	352) 323)	250 SE 20	285 707,71 28 28 481	0 822.
2	400			902 88	000	0000	360	962.	36.100 158.100 51.620 0	28 5 6 6 5 5 6 6 5 5 6 6 5 6 6 6 6 6 6 6	80,
1	<b>₹</b> ₽		·····	°888	600	8000	360	883 882 882 1	85.02 62.02 64.00	11,087 208 208 208	25.73
	4.60			200 355	000	0000	0 08 0.	336	20,000	88. g. 7. g. f. f. f.	962.
1	4.0			- 2 % %	000	0000	, % 57.	88 887 887	380	8 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 25.1. 252.1.
9	<b>₹</b> € <u>Ó</u>			0888	orgo	10,767 10,767 0	10,707	23 22	F 7 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11,117	10,767 1,236 9,632
¥.	400	<del></del>		9 % % % % % % % % % % % % % % % % % % %		0000	38 6	<b>8</b> 88	8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	38.58	2,736 1,736
	<b>1</b> ₽ Ø	<u> </u>	<u> </u>	0 8 3 %	000	0000	9 % K	82 S.T.	26.00 26.00 26.00 26.00 26.00 26.00	38 33 45 E	0.22.7.
-	<b>₹</b> 6 <u>0</u>	<del>-</del>	· · · · · · · · · · · · · · · · · · ·	9888	000	0000	• 3 <u>%</u>	88 86 C	8 8 8	28.22 26.22 26.22	236
	4.0		:	° 838		<b>53</b> °°	8 8 8	2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	2003 2003 2003 2003	38,48	\$83
	4 * 8			0 8 8 8	000	0000	° 3 8	688 4.236 7.236	38 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 % - 45	88.7
	4 8 9			0 00 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	000	0000	. 3 1	988 47.7 77.8	25.4. 28.00.4. 28.00.4.	38 e 75 5	2 X X
	404	2,000 2,000 4,17 84 84 84 84		0 2 2 5	000	0000	0 9 9	91.6 81.6	444 444 445 445 445 445	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9 <del>6</del>
		25.00 25.00	. 8	\$ 8 3 8	000	6000	0 9 9 9	1 660	25.25.2 20.25.2 20.25.2 20.00.0	38.00	° [ ]
	\$ 00 0 0 Q	\$ -888 æ	8	3 8 5 5	000	6666	0 9 96	10,507 4,466 4,378 9,037	1,760 1,767 1,966 0	\$ 8 k k k	4.83. 83.7
$\parallel$	ž.	£ 6		[] []	(wm) (wm)	96 Perum 1,313 Perum 4,262 Perum		I.LL	02.0		* 8
	ENERAT (man-day) plements Total md.	1	£ £	ş		- 5.4		, ,	7 F	dest serves come y water my anderen	
	Commission (Managed Vinancia)  Season (Managed Vinancia)  Season (Managed Vinancia)  Season (Managed Vinancia)  Season (Managed Vinancia)  Season (Managed Vinancia)  Total Me.  Total Me.	MYCHTHERT (peac)  1. forest tools  2. Swelling (b st.m)  3. Swelling support  4. Ages rope in yield  6. Replanted swelling	C. RECURREDIT COSTS Custoffy Fedger Prices (precient)	Fundame (Ag) Hero labor(md) Control (pero) Fundame (Mac.	Views Years to be cut Presented on Francood Posses		Careh Frow Projections 2005. Save Family of Mac const. Com Com Com Com Com Com Com Com Com Com	Total (mfow increment fluctured costs Total Outlow	Net income bufore decided to the overstanding instruction (et 20%) (get 20%)	Net fractive after desk Cumusative net troom Mandays of family lab Cumusative mandays Avenge net returnitive	Conditional Research Research Emmane Than Same Cash outbox Nat Cash Story Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nov Nat Cash Nat

Table 0.2-50 Financial Model for Mahogany Forestation: Cofcaville (One Hectare)

											YEAR								
	ب موسومتونوا			7	1		- 5	- 5				10	31	12	- 13	34	15	16-24	25
Lubour Requirement     Stating digging plantin basal fedikation     Walering     Replanting     Wreeding     Pruning			40 2 0 8 0	1 8 0	4 0	4 6 10	4 8	4 6	- 10	4 6 10	4 6 10	\$ 6 10	4 8 10	4 8 10	4 6	4 8 10	4 6 10	4 6 10	4 6 10
8. RVESTMENT (poso)  1. Forest looks 2. See sing (3 x 4 m) 3. Sharing support 4. Abase rope as tying ma 5. Replanted see sings	derak (n)		92: 1 833 833 120 58	250 050 250 050 800	F252 1,000 2,083 417 959 4,450 145			•			·								
C. RECURRENT COSTS Quantity Fertifizer Prices (pesahunit) Fertifizer (Ag) 18red (abort/mid)		5 50 80 90	50	100												-			
Costs (peso) Fertilizari Catori Miso			345 3,000 535 3,880	620 540 535	0 240 535 775	6 800 535 1,135	0 600 535 1,135	0 600 535 1 135	0 500 535 1,135	0 800 535 1,135	0 600 535 1,135	0 600 535 1,135	0 800 535 1,136	0 600 535 1,135	0 600 535 1,136	0 600 535 1,135	0 600 535 1,135	0 600 535 1,135	600 529 1,129
O. RETURNS Trees to be cut Production Fuctwood Poles Saving		(cr w) (cr w) (cr w)	0 0	0 0 0	900	0 0	000	7 0	0	0 0	0	0 0 6	000	0	000	000	134 6 8 2 0	0 0 0	382 6 0 00 77.86
Revenue Fuchwood at Potes Sawlog at Cesh Floir Projections	85 1,313 4,252	Ploum Ploum Ploum	0 0 0	0000	0 0 0	0	D 0 0	595 595 0 0	000	0 0 0	000	0 0 0	0000	000	0	0000	10,767 0 10,767 0	0 0 0	0
Inflore Sales Farmer Contribution (Half of labor costs) Loan  Shandright			0 1,500 4,459	270	0 120	300 300	0 300	595 300	900	o 300	. 0 300	300	0 300	¢ 300	0 300	0 300	10,767 300	0 300	
- Working capital Total Inflow  Outliow Investment			3,880 9,839	1,765 2,160	775 895	1,135 1,435	1,135 1,435	1,135 2,030	1,135 1,435	1,135 1,435	1,135 1,435	1,135 1,435	1,135 1,435	\$,135 1,435	1,135 1,435	1,135 1,435	1,136 12,392	1,136 1,435	1,125 332,490
Registers costs Total Outlow  Net income before debt Loan outstanding		,	3,880 8 339 1,500 8,339	1,765 1,910 270 11,917	775 775 120 15,075	1,135 1,135 300 19,225	1,135 1,135 300 24,206	1,135 1,135 895 30,181	1.135 1.135 300 37.353	1,136 1,135 300 45,958	1,135 1,136 300 56,265	1,135 1,135 300 58,877	1,135 1,135 300 83,547	1,135 1,135 300 101,301	1,135 1,135 300 122,806	1,135 1,135 300 143,500	1,135 1,136 11,087 179,336	1,135 1,135 300 216,338	1,129 1,129 331,361 260,734
interest due at 20 % <u>Dobt sorvice</u> Interest Repayment	020		1.658 0	2.383		3.845 D	4,841	8,036 0	7,471 0 6	9,197	11 257	13,735	18,700 0 0	20,278	o C	29,700 0 0	35.867 0	43.268 0 .0	52,147 52,147 260,734
Net Income after detal se Cumulative net income Mandays of family father Cumulative mandays Riverage net setum/mand			1,500 1,500 25 - 25 - 80	270 1,770 5 30 80	120 1,890 2 32 60	309 2,190 5 37 69	300 2,450 5 42 60	895 9,385 5 47 73	300 3,685 5 52 72	300 3,965 5 57 71	300 4,265 5 82 70	300 4,585 5 67 69	300 4,885 5 72 68	300 5,185 5 77 68	300 5,485 5 82 67	300 5,785 5 87 67	11,067 18,852 5 92 184	300 17,152 5 97 178	\$8,480 35,631 5 102 351
Emonoial anahois Revenue ikomisales Cash outfow Net eash ikow			8,339 8,339 8,339	0 1,910 -1 910		0 1,135 -1,135	0 1,135 1,135	595 1,135 -540	0 1,135 -1,135				0 1,135 1,135	0 1,135 -1,135		0 1,135 -1,135	10,767 1,135 9,632	0 1,135 -1,135	331,061 1,129 329,932
FIRR =	23	*																	

Note: Use stumpage price it market price less hauling, bransport, sawing/felling/bucking

Table 0.2-61 Financial Model for Mahogany Porestation (Limited Production): Marangog

									3.	Į,		ŀ		ļ		22-92-	F A
A CAROUR ARQUIABINE (menday)			-	-			<u>  -</u>	-	<u> </u>	-	-			-			
1. Statemagericamony based fertitorican	3.		-	<u>.</u>				<del> : -</del>		- :				<del></del>			
A. Western	100	- 0		•	•	•	<del>- '</del>	•	•		4		-	4	•	-4	4
5. Physing Total md,	00	00	04	<b>6</b> 9	• છ	• 2	, jo	10.	101	<b>e</b> 0	<del>e</del> 0	<b>€</b> 0	£ 0.	<b>0</b> (2)	• 0	ē g	9
B. HEVESTARLET (perc)	Š	G.	8				-										
1. Forest took	}	·ř	98,				·		·								
2. Sheding (J.X.a.m) 3. Sheding support	385	38	\$ 5														
	3		3	·				:		-							
f., Replanted seedlings 0.07	8		š	• • • • •		<del>-</del> -					<del></del>						
Canaday Canaday Fedura	\$	5	<del></del> .														
	}	}			- <del>-</del>						•					_	
Fertilizer (Ag) 6.6 Hitred Indoor(Ams) 60				:	•	:	<del></del>						<del></del>				
						· <u></u>		<del></del> .				•					
Fertiliza	38	8 3	9	8	° 8	* §	° 8	° 8	0 8	- S	-8	° 8	- §	- g	÷ 8	~ g	8
Miso.	3		a	8	8	8	8	82	88	\$65	8	535	3 2	3 5	85	38	200
D. RETURNS These to be ac		ĺ				-									ş	0	38
					-	r		č	— <sub>c</sub>		Ġ		e	a	c	c	۰
Poles (94,m) Sewing (94,m)	000	666		000	000	<del>. 0 0</del>	00				óò	566	66	100	<u>, 0, 0</u>	000	0.00
	•		. •	- 6		8	ō	6			-		0	•	7	-	29,08
Fusherod at 1018 Water			00	0 6	96	800	00	66	00	00	00	00	90	00	0 97	00	00
		٠		-	•	•	0	•	Ø	6			ē	•	0	•	<u>8</u>
Cash Flaw Projections Inflox			· · · ·		:			·····		<del></del>				<del></del>		<del></del> -	
Seion Patron Contribution	0			0	<del>6</del>	8	6	٥,	0	o ·	0	ò	0	•	37	0	18,08
(heart of salpor coers)	009'1		-	8	ğ	8	8	ş	8	8	8	8	8	8	ğ	3	1438
Investment     Wonding septial	3.878.C	3. 3. 3. 3.	£	32	138	56	2	136	138	8	×	3	138	8	8	Ó	0
Total sefere		ĺ.,			3	2,030	8	8	29	8	9	9	25	33	S2 5	25 <b>7</b> )	97 CH
Outloa	997				,												
Recurrent courts Total Outflow	200	88	<u> </u>	321	2 2	\$ 22	3 3	35	<u> </u>	3 A	2 2	9 P	8.2	\$ 2	98	9 53	
Net Income before debt Loan cutstanting	1,500	_	1,90	12,145	13,280	14,415	35,250	36,685	17,820	300	88	38	72 30	22 80	2 . 4 2 . 5 3 . 5	88	50.20
Contract care Contract care Contract Co			5	5 6	5 6 6	6 6	5 06			5 66	0 0 6	5 6 6		96	9 9 6	9 6	0 0
Kapujunan			•	3	>	5	5	-	<del>3</del> .	5		5	5	<del>-</del>	<del>-</del> -	•	
Nat Income after 0404 service Cumulative net income	86.		S 8	8 1.0 8 1.0	88	2 8 8	S 8	88	86	8 5	00.5	8 8	S &	8 %	3 F	85	321,464
Mancaya of temby labor Curtilathe mandays Average net returnimanday	888		* 78	° ក ឱ	v 4 8	250	38	7 & O	0 8 E	8 6 0	∪ 17 <b>8</b>	n k 8	0 St St	n \$6 %	, 2, <u>3</u>	្នទិ	3 6 5
Spenda Justicel				•	•	3				•	-,		,		;		į
Cash quefow Nex cash flow	24	0.0	`££	5.5	50.5	53	2 2	88	 8 8	8,5	25	55	. i.	50°.	15.5°	85.	1,128
FIRE (%) Z5 0.23													•				
			1														İ

Table 0.2-62 Financial Model for Mahogany Forestation: Silas

						•		•									-				ľ
CARGON REGUNERARY	(man-day)	1	1	-	,	1		-	-	-			ļ	;							
1. Etaking, doging,plansing beaut hartkonton			9.						<del></del>	<del></del>							···········	<del></del>			
5. Reparent			080	-60	40		7.0	:. - 4 6	4 0	7-6	• •	* *		400	••	+ + 0	100	4 6 9	460		460
They (many)	Total md.		£0;	3	•	٦	Jo.	Q.	10	2	7			2	2	-	-	-	-		1
forest (pole		σ×		Preschirt 1,000					. :									-			
2, Sauding (3 x 4 m) 3, Shading support	<b>(</b>		885	888	2, 4. 8 8 7 8			· · ·	<del></del> -	<del></del>	- 1 .	:									
5 Perfected was Con-				2.5				· 													
RECURRENT COSTS		1	-				·		:			<u> </u>		-	·			. <b></b>			
Guardity, Farthesy			8	ŝ				-	<del></del> -												
Prices (percharit) Fertilizer (AQ)		8.8							<del></del> -			\ 					<b>.</b>				
	•								<del></del>												
Coats (pead) Fertium Letor		<del></del>	88	8 9	0 9	° 0		98	°8	-8	°8;	8	1.		085	- 8 i	0 <b>8</b> \$	008	e 98 %	Φ 10	o 8 8
Nec.			53	88	3	ľ		1 2	ر ا	200 100 100 100 100 100 100 100 100 100	- X	ľ		1	(35)	35	1503.1	1 (35	123		Ι×Ι
O. RETURNS			-					<u> </u>	-										ş		0
Production Fusing Potes	(m.m)	rr	00	00	96		- 66	00		88	800	000		0 10 0	- 000	000	******	866	600		000
Sawbg	ė,	È		6	<del></del> -	- •	٠ د	5	? : <b>5</b>		>		Ç	, ,					-		
Revenue Fuerwood et		Ę	<b>0</b> 0	<del>o o</del>	••	. •		<u> </u>	8 8	90	00		10.0	: 5:	• • •	<b>.</b>	000	• • •	00		00
Poses Geweg at	1,313 Pleum 4,282 Preum	ĘĘ	<del>6 6</del>	96	00		<del></del>	0 0	<del></del>	88	00			<del>, o</del>	90	<del>-</del>	- <del>-</del>		3		• • · ·
Cash Flow Projections Inflow		· · · · · · · · · · · · · · · · · · ·	. :					•						•		~					-
			0	•	•	-	<del>-</del>	0	Š	0	5	5	?	ò	<u>-</u>	5	5	•	<u>-</u>		•
Farmer Contribution (Heaf of labor powts)			8	Ŗ	120	8		8	8	8	8			8	8	8	ş	8	Š.	*	8
- Intertherit			984	2		: • • • •				9,	5				55	135	- 50,	8	ŝ	-	2
- Worlding capital Total Inflow	-	]_	8	30.7	2	1,238		32.5	7. 286 7.	3	1,436	SC 41	12,202		(435	1,438	30°)	357	7EV.	\$5 <b>7</b> '	22
Sections			9	ş				:													
Recurrent cours Total Carlow			98 2	2001	EE	8,8		252	36 7	1,136	1,136	1,135	5 (35		133	138	2.5	33	1,136	135	얼얼
Aut income before debt		<u>L</u> _	8	8	2			83	88 8	83	88		11,067		8.5	88	300	90 S	8 8	S S	28
nterest due			200	2			-	0	0	6	•				0	0	0	Ċ	0		0
Debt service World	0.0		-00	00	-66			-6-6	90	88	00			00	00	00	66	00	68		00
Net income after debt we	***		96	8	5			, 8	8	8	8					8	8	8	Ø.		8
Cumpletive net trooms Mendaya of family labor			និស	2 " 5	90	Og en p		8 ° °	8 . 5	5 8 8 8 8 8	n N	4	9 . 6		20.5	, s F	<u> </u>	\$ £	e g		40 Z
Average net returnimands	<b>&gt;</b>		18	8	18		-	8	Ľ.	R	7					ğ	3	ğ	ş	Ę.	Š0
Coencies enables Revenue from sales Ceen outflow			9,230	1,010	â	0 867,1		0.8	38.5	2.53	1,138	0.55.	1.136		961.1	08	° 8 9	0 8 4	9	1,138	000
Net caren flow			9 71 <b>9</b>	0				<u>-</u> -	į,	9	OF 1.					3	3	}		•	,
* 25	8		<b>-</b>		_		_			-			_	_	_	,		_	•		

Proposite Model for the Proposed Vilson CARABAO Unit
1760

	त्र व ४	- counce	<b>9</b>	100 100 100 100 100 100 100 100 100 100	1988	009°1 009°		000',	413,346 310,263 33	27 845.59 845.79 57 845.59 845.79	29,000 217,864 27 379,244 403,899 36 75,860 90,780 7	80,780 80,780	28 January 200 18 Jan	1012
	0 04	<b>8</b>	. 8	220,000 220,000 21,000 21,000	4,000 4,000 6,000 5,000	6,400 10,800 6,400 4 7 7 4 1,900 2,400 1,800	189,000 378,000 168,000 32,000 32,000	7,000 128,000 128,000 7,000 128,000 7	334,260 566,400 336,200	177 ACA 127 AC	210,776 467,976 210,776 365,116 272,330 181,369 72,524 64,468 36,312	100 200 200 200 200 200 200 200 200 200	1,1,7,7) 3,12,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	8
	0 44	\$ \$ 4 00 4 W	N		5 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10,800 5,400 7 2,400 1,800	379,000	7,000 1,26,000	000'860 238'300	40, 107 404 40, 107 404 10, 107 404	467,976 210,778 90,780 0 18,106 0	90,780	200, 120 100 100 100 100 100 100 100 100 100	
		Nonun	8			16,800	378,000	7,000	885,456	127 45A167	467.978	0.0	500 000 000 000 000 000 000 000 000 000	B
9)		\$ 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	,,,			6,400 10,800 4 7 7 7 2,400	007 92 007 94 000 94 000 94	7,000 168,000	\$	454 T27 ASA 454 252 ASA	210,778 467,076 0 0 0	00	2.194.29 2.194.29 2.194.29 2.196.	Ì
Z-1		**************************************				9,406 10,800	16200 378,000	126,000 7,000 0	236,200	127,424 137,424 127,424 137,424	210,776 467,976 0 0	:	2,000,212 2,000 1,000 2,100 2,107 2,10 2,10 2,10 2,10 2,10 2,10 2,10 2,10	
2		********				004,0	000,e91 000,e1	226,000 7,000 0	5 338.200 G	454,757 454,757	210,778	20 8	2.100	
		654044V		· · · · ·		10,000 7 2,400 1,900		7,000 126,000	595,450 339,200	177.424 137.234 137.234	0 210,778	٠٠ و	, 22,140 1,400 1,400 1,600 2,100 2,823 2,823 1,23,420 1,23,420 1,23,420 1,23,420 1,23,420 1,23,420	
83	<u> </u>	<u>6548849</u>	8	<del></del>		2,400		92,000,7	2007999	- 11	25.754 20.754 20.004	00 80	4,200,882 1,600 2,700 127,424 127,424	
		8 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	300			2,000		7,000 1188,000 7,000 7,000 0 0	34,200 484,400	127 624 127 624 127 624	0 0 0	E	411,608 4,888,644 1700 1,800 2,100 4,880 2,298 2,705 34,200 678,400 277,424 2,725,436,400 23,724 440,276	
92	<u> </u>	<u>8944484</u>	82			5,400 1,800 2		000,5¢ 000,5 000,5	33.62.00	127 424 127	210,776		2,000 2,000	
F		<u> </u>	200			10,800 6,400 2,400 1,800	·	7,000 T	65.400 336.700	45.	976 240,776		6,534,396 190 2,000 2,100 4,990 2,769 2,769 2,769 2,769 2,769 127,434 460,379 460,378	
tt	9 9 4	हुङ्ग्सन्त	88			19,800		000,52 000,7 0	566,406	20,75	66. 60.00000000000000000000000000000000	0 0	6,207,146 7,000 2,200 2,690 127,426 127,426	
z		8504004 8540040	200			7 4 7 1,800 14,800 1,800	99,000 12,400 12,400	7,000 7,000	\$38.766 \$46.A00	5 5	0 0 0		2,190 5,875,900 2,000 2,190 2,	

Financial Model for the Proposed Village Carabac Unit; Cofcaville: Table 0.2.54

WETERS	Specif Anthrition Emergy bulls Depursed conn	Moderns Program's count of 0.8 success	Com	0.9 surveyed	Bull Overyr Young Bull Baby bull with 0.9 survived	Jabor Reguleverens An ectation (manday)	_ <b>L</b>	DESCRIPTION OF THE AMERICANS OF THE AMERICAN O	Verentiary services     Lead appearant     Casarry/duminetance - Make,		9350 lajyiew	ě		Fermany contitues (mal laber) Low - Investment	<u>.</u>	Se Se Se Se Se Se Se Se Se Se Se Se Se S	Per Enclose Del'Cor dette Conn usernoring Intervet due et (%) 20 0.20		Carbitron after fibercing Cumulative of free liber Mandaine of free liber	€		FINANCIAL ANALYSIS (sont.) Reventus from sales. Camb author
	C+ HP	* 4	· 		10%	8	28. 2.000 28. 2.000 28. 000 28. 000	9 36	ខ <b>ងិ</b> និងី	00.00 00	i i	98	34,000		76.746 300.600	336,000 56,249 90,3	-511,000 210,264 -40,248 59,098 9,850 11,620	0, 11,620	-51000 18862- 511000 102100 001			24,000 294,600
	·	<b>.</b>	<b>3</b> 5 .			8	7 Pets 200 24,000 200 275,000 84,000			• •:	9,400 4,400 4,400	=	21,600 21,800	8 .	600 524.600	45.454 886.00 45.4351 888.00	254 190,176 020 47,277 670 8,466	820 9,466 820 11,820	478 378 63626 001	88		900 318,800
			स र स र			82	1~888				1848 8, 8	'n		g S	271,700	25 4.25 27 4.25 24 4.24	57. A44. 87. 84. 84. 84. 84. 84. 84. 84. 84. 84. 84	20 11,620	25 4 25 60 25 4 25 60 20 50 20 50		178	007 99 9
						30				•	8,6	20	선 홍		322.78	2,7 2,7 2,7 2,7	52,000 57 50,000 57 50,000 57	24,728 21,620	162628 36 663018 30 100		200	316,600
					v 4 (v	8				. :	080 7				571 200	138434	2,384 2,384	2,364	1004610 1004610	8 5	1,824	005,000
		-	850		·	8					80 4 80	189,000	98,000		324.600	175.422	100,176 -2 0	00	1285788 1285788	700 g.	3	318,800
	ō	<del>ज च</del>	<b>R</b> 🖆	ra r	v er ni	8					8, 8	8			2000	126.62	446.778 5.5.	00	1738671 1001	900	2,174	346,200
		g <b>6</b>	<b>9</b> # 1	¥ • F	· (1) ·	8					8 . 8	8		8 2	\$24,620	126.424	86.43 66.43 66.43	66	47.901 100 100	88	2,164	316,600 6
	-6	er e	81 PP 1		4 14	8	<del></del>	· · · · ·			7 2 -00				3 30	23.24	\$ 1 T	00	284514 Z6	00. 84.	2365	666.200 3
-	0 .	<u> </u>	<u> </u>		<u>, 4 - 1</u>	8		<del></del>		<del></del>	90 7 908		8 8		24.800 57	125,424,125	8 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.0	44 44 453890 302	1,992	7,	318.800 50
	<del></del>	<u>α</u> ₹.	R.£	NN	<b>₹</b> (1	ğ		·	: <u></u> :-		2,600	8	8 8		33	25,424 125,424 125,424	8 4 -	00	25466 322 100	200	2,525	506,200
] 3p	<del></del>	<u> </u>	<u>8 io 4</u>	<b>→</b> ~	₽6 ♥	8			<del>.</del>		5.400	8	8 8		4,806 571	\$ \$	57. ±	00	20178 20178 100	1,902	2484	318,600 566
		٠ 4	<u> </u>	70.00	40	8		·			0.800 6,		د <mark>ک</mark> ے	P	200 324	\$ 5	8 4 4	- 00	6776 100 100	2 4 5 8 8 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2,026 2,	566,200 316.
<b>F</b>			<b>8</b> to ∨			- °			- <del>-</del>		6,400 4,000 4,000 4,000 4,000	88	8		27.1.	125,424, 126,4 125,424, 125,4	<u> 투하산</u> 청	• •	9576 4467 3684 43183	200	2,642 2.7	318.600 566,200
-		n <b>e</b> ;				8		<del></del> .			10,800 6,400 7 4 4 2,400 1,800	8,	. S.		324.6	\$5. \$5. \$5.	2.00.	00	6776 1984 8370 46196 100	1,800 4,458 1,0	2700 28	200 318,600
			N - R 49 N			500				<u>-</u> -	6,400 10,800	200 378.000			S 125 00	* * *	8550 1		9176 4467 9640 49643 100	,700 1,800 1,992 4,468	2,668 2,768	\$
<u></u>		o • •				<del></del>					2 - 8 9 - 8	2 '	₹ <u>8</u> 1	D 	324.65	424 125.424	55 54 55 54 57 54		1776 198178 100 1001		2,716	200 316,600
Ř			8 72 4			- <del>8</del>		<del></del>			0 0 0 0 0 0	378,000			6 671.26	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6 446,770 28	- 00	6000000 600000000000000000000000000000	2,200	7,806	0 665,200
k  		, en				8					0,409	98,000	, Š,	ø 	322.600	125,424	5 5 6 5 5 6		6408450 001	2,100	2788	318,600
F .		, <del></del> ;				ģ					10,800				82.1.23	126.424	577.844 7.	00	4264226 400 400	2,200	2,843	596,200
F		, a 1				200					5,400	90,00	: ŝ.		83	135,424	199,176		9463402 000 100	2300	7,380	316,600
F .	<del>5 - 4</del>	, A	6 ₹ī. 4		4 (1)	82					10,800	378,000			27.28	25. 25. 25.	446,778 53	66	4445778 86999178 100	2,400	2,676	996,200
11					N 4	22					004.2 400		6 8 8 8 8 8		25.63	125.424	438,176 48 61:		57.84 20.00 20.00	2,500	27	967,900 126,434

Service Control of th	Place Agains Reserved Color Charles Charles Color Charles Charles Color Charles Char	Programme 0.8 w	Brock Humber (and year) Con Omey years cow Sales Cow	3	Labor Requirement Ab scholar (marder)	Envisabrant Envisable buth Organizations Shell, foresense	Procedure (Procedure)  Vinges (Procedure)  Chart (Pool Pool)  Vindellany service  Flood augoldenests  Charticy (Pool Pool)	- Mana Countrial (cas) Young convibul (cas) Bally convibul (cas) Audit (Mry Audital labor/learnal day)	Production, - MMI (by) - Young combus (head) - Asimal labor (amma day)	CASH PLOY PROJECTIONS INfore Sales - mile	- and stock Value of eximal labor Ferman' contribution (half labor)	- Investment - Workey - Workey sackey	Outrow Investment/Papiesement Recurrent codes Total culture	Met income before dett Loer-bulamiding Inserest des (20 %)	Dobt Bervice Imprest Repsyment	Count flow after financing Currentine costs flow Mandays of ferrity labor Currentines ferrity labor Aut ratus per reservely (Pleas) Currentine per set and enterenty	FIVANCIAL AVALYSIS (com.) Revenue from selec
1	<del></del>			0.0		_1		<del></del>	Miyrica		~	l.	<u> </u>			<u></u>	
	61 <b>10</b>	40 4	2000	70 K	8	7 9 R	8 8 8 8 5	ម័ទិ៍ខិទិនន	008	00		339,000 40,248		24,000 77,650	00	88554	8,5
	06	क क	\$ 5 u u	หล่ผ	- 82	100 st.			004,	98,000 20,000		308	90 338 90 338	273,864	95,180	277.9 2007.7 2007.8 277.8	
	67	ō•	8±v4	લાલ જ	300	224,000 80,000 84,000		<del></del>	1,900	168,000	,	0 238.20	126.424 125.424	202,776 372,716 74,644	181.08	28 50 50 50 50 50 50 50 50 50 50 50 50 50	
		• 4	<b>8</b> ≎ 4 ₩	NEN	8			<del></del>	10,800	378,000		0 9/9/9	135,434	279,536 279,530 56,800	56.908 03.180	200 A 400 A	
	0	5.	មិទិក។	N N 4	8		<del></del> -		004 00	000,4%		007.85	128.424 22.424	202,776 196,369 37,232	37,232 85,180	4577 462810 100 724 724	
		<b>4</b>	節音40	N • N	8	· · · · · ·			10,800	378,000		0 029	126,424	462,976 24 93,180 18,636	18,836 081,03	94136 603670 100 100 13413 600 600 600 600 600 600 600 600 600 60	
H		ō.	<b>₽</b> ã∪4		*		· 	<u> </u>	9 * 8	180,000		0 02.83	175.424 175 175.424 175	202,776	88	202778 1006746 100 700 2,028	
	0	40 4	8540	W 4 W	8	· 		<u> </u>	2,400	378,000	88	• §	2.5	462,976 0 0	00	57.52 57.52 50.50 50 50.50 50.50 50.50 50.50 50.50 50 50.50 50 50 50 50 50 50 50 50 50 50 50 50 5	
	•	<u> </u>	Sp n 4	W 14 4					00,4 00,1	98,000	86 g 80 g	o	25,434 25,434	202,776	- 00	202776 100 100 2,026 100 1,000 1,000 1,000	
		44	हिं <del>क</del> बात	লৰন	200			<u>*                                    </u>	10,800	378,000 50,400	6,000	0 07.9/3	126.e24 127.22	462,975	00	2115474 2115474 1,000 1,000 1,000 1,100	672.400
F	0	δ.e.	<u> </u>	N N 4	300				004,4	180,000	0000 0000	002,800	1.25.434 475.434	202,776	66	202776 2316250 1001 1,100 2,026	8
			<u> </u>		200				10,900 7 004,4	378,000		678,400	125.424 125.424	-62,976 0 0	00	2771276 2771276 200 1,200 4,530	
	0		留有いる		ğ				00**	196,000	-	228,200	175.424	202,776	00	202776 2974002 100 1,500 2,028	
			留るまい		202			·	10,800	378,000		678.400	(38,434 (25,25)	452,976 0		262978 262978 100 1,609 2,530	
2			8,50.4		82	·			004,008,1	82.00 000.42	· •	238	125.424	202,776		202776 3629764 100 1,500 2,028	
٥			<u> </u>		8				19,900	378,000		0.8.3	126,674	5 452,976 0		262976 202730 2007 2007 2008 2009 2009 2009 2009 2009 2009 2009	
-			8274		8			·	9, 00			338,700	178,424	202.776	- 55	202778 296506 1,700 1,700	
=			श्रुष्ट <del>र</del> स		92				10,800	378,000		578.62	126,426	8 452,878 0		4,530 4,190 1,600 1,600	
2	·		Sec. 4				<del></del>		0,400,	98.00 36.200 36.200		9886	125.424	202.776	- 00	4841258 0 1000 0 1,900 0 2,000	
k	•		8544		8				2,400	378,000		28/9	126.424	6 *52,876 0		252878 252878 4000 4000 4000 4000 4000 4000 4000 4	
			¥\$u4		<u>8</u>				908	96,98		9 238.20	125.25 125.25	202.776		202776 5587010 100 2,100 2,028	
									2.00	378,000		2845	125,424 125,424 125,425			4 530	
		Ø 4	₩ p 4 14	N # N	8			<del></del>		86 86 88,000		0 8	125.426	82	- 00	78 202778 96 825278 00 100 00 2,008 50 2,028	
Ž		<b>9</b> •	មិស្ក	กกจ	8				1,900	in -		- B	24 125,424 34 125,424	0 452.9	00	78 452978 00 100 00 2400 28 4 630	
H		<b>₩</b>	<u> 8544</u>	N 4 N	8				10,000 5,400 2,400 1,900		276,900 44,900 109,000 6,900 8,000	0 007	424 125,424 424 125,424	452,976 479,378 0 0	60	27.6 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	

Light Control Contro
10   10   10   10   10   10   10   10
2000 1 200 10 20
\$ 5000 \$ 5000
130   Brymer   0   5,400   10,800   5,400   1,800
28,000
28,000 128,000
60,246 57,249 57,749
341,000   37,300   177,424   177,427   177,4
371,000 200,446 ZZ3,370 443,776 ZX4,370 483,177 6,034,470 20,172 60,034,470 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,173 6,034,770 20,
17.2000 08480 7,2200 12,000 12
201,000 - 100,006 - 680,003   200,402   4687,006   200,403   4687,006   4687
100 100 100 100 100 100 100 100 100 100
28,000 316,800 bacason sociatio sociatio 603,600 sociatio 288,200 sociatio 277,428 127

Table 0.2-57 Financial Mosel for a Native Poultry Production Unit at Sappasc

			YEAR		
	1	2	3	4	5
RODUCTION PARAMETERS					
Stock Numbers	- 1				
Hatching chick	100	100	100	100	10
Male	40	40	40	40	4
Female	40]	40	40	40	4
Growing chick	64	85	95	95	9
Male for meat	32	32	. 32	32	3
Fernale as layers	32	53	63	63	6
Sales					
Growing chicks for meal(birds)	32	32	32	32	3
Egg (unit)	2,560	4,704	5,704	5,704	5,70
Cull Hens for meat(birds)	11	22	32	32	3
Technical Parameters			į		
Incubator capacity	100	[			
	1				
Hatching rate			•		
Survival rate					
Meat production (kg/bird)	80				
Eggs produced her/1st yr	100				
Eggs produced/hen/yr-2nd yr on					
Culled hen (%)	0]				
		Price		ost (peso po	
Input/output prices/costs (peso/unit) Incubator:(5,000/unit divided among 50 farmers):	<u>Unit</u> 1	<u>P/unit</u> 100	Period 100	<u>Batch</u>	Unit
	6	7		42	
Kerosene (6 ltr/batch) Labor : Meatbird 0.5 hr/day x 100 days (hr)	50	8		400	
	183	8		1,460	
: Layer: 0.5 hr/day x 365 days (hr)	"	1.000		1,000	
Material : Fencing, water, nest etc (Peso)		1,000		1,000	
Feed: Meathird 50 g/day x 100 days (kg)	5	4 5			
Layers: 50 g/day x 365 days (kg)	18	3			
Vaccine and veterinarian services (peso/bird)					
Output: : Meat (peso/bird of 1-kg each)					
: Egg (peso/egg)	1 1			1	
Culled hen (peso/bird of 1.5 kg each)				'	
CASH FLOW PROJECTIONS	<b> </b>	· · · · · · · · · · · · · · · · · · ·		1	- :
Inflow	[ ·				
Sale of meat	1,600	1,600			1.6
Sell of eggs	6,400	11,760			14,2
Sale of cult hens	739	1,540			2,2
Farmer's contribution (50% labor)	930	1,419		1,647	. 1,6
Production loan	5,282				
Total inflow	14,951	16,319	19,747	19,747	19,7
I (A OI II III WAA	1,,551				
Outflow	142	. 42	42	42	٠.
Incubator/kerosene	250	250	1		
Cost of fertilized eggs		250 640	1 .		
Foed -meat birds	640				5,
-layers	2,920				3,1
Labor-meat birds	400		3		
-layers	1,460				2,8
Vaccine & Vet Services Total outflow	6,212				10,4
r or de Corrida			T		
Cash flow before financing	8,739	7,273	9,332	9,332	9,3
Debt service	4.050	مر ا	634	423	
Interest at 20 %	1,056			1 1	
Principal	1,056				
Cash flow after financing	6,626				
Loan outstanding	5,282	4,226	3,169	2,113	1,0
	1				
Financial Analysis				10 100	18,
Financial Analysis Revious from sales	8,739	14,900	18,100		
Revenue from sales		1 .			
Revenue from sales Cash outflow	6,212	9,047	10,415	10,415	10,4
Revenue from sales		9,047	10,415	10,415	10,4

Table O.2-58 Financial Analysis of a Native Poultry Production Unit at Cofcaville

			YEAR		
- Charles - Daniel Market - Charles	1 1	2	3	4	5
. PRODUCTION PARAMETERS					
Stock Numbers	1 1	i			
Hatching chick	100	100	100	100	10
Male	40	40	40	40	
Female	40	40	40	40	
	64	85	95	95	و
Growing chick	1			-	
Male for meat	32	32	32	32	;
Female as layers	32	53	63	63	(
Sales					
Growing chicks for meat(birds)	32	32	32	32	:
Egg (unit)	2,560	4,704	5,704	5,704	5,7
Cult Hens for meat(birds)	11	22	32	32	· :
Technical Parameters	ļ. <b>[</b>				
Incubator capacity	100				
Halching rate					
_					
Survival rate	1 1				
Meat production (kg/bird)	1				
Eggs produced/hen/1st yr	80				
Eggs produced/hen/yr-2nd yr on	100				
Culled hen (%)	0				
Input/output prices/costs (peso/unit)	Unit	P/unit	Period	Batch	<u>Unit</u>
Incubator (5,000/unit divided among 50 farmers):	1	100	100	#XXXII	34711
	1		100	42	
Kerosene (6 ltr/batch)	6	7		42	
Labor : Meatbird 0.5 hr/day x 100 days (hr)	50	8		400	
:Layer: 0.5 hr/day x 365 days (hr)	183	8		1,460	
Material :Fencing,water,nest etc (Peso)	1	1,000		1,000	
Feed Meathird 50 g/day x 100 days (kg)	1 5	4			:
Layers: 50 g/day x 365 days (kg)	18	5			
Vaccine and velorinarian services (peso/bird)		•			
•					
Egg (peso/egg)	I				2.
:Culled hen (peso/bird of 1,5 kg each)	I	**			
L CASH FLOW PROJECTIONS					
<u>Inflow</u>	1 : 1			1	
Sale of meat	1,600	1,600	1,600	1,600	1,6
Sell of eggs	6,400	11,760	14,260	14,260	14.2
Sale of cull hens			-		,
	739	1,540	2,240	2,240	2,2
Farmer's contribution(50%labor)	930]	1,419	1,647	1,647	1,6
Production loan Total inflow	5,282 14,951	16,319	19,747	19,747	19,7
(Vidining)	13,001	10,010	15,141	15,141	13,1
Outflow Incubator/kerosene	142	42	42	- 42	
	1 1				
Cost of fertilized eggs	250	250	250	250	
	640	640	640	640	6
Feed -meat birds	2 920	4.876	5,789	5,789	5,7
-layers			400	400	. 4
	400	400	400]		
-layers			2,894	2,894	2.8
-layers Labor-meat birds -layers	400 1,460	400 2.438	2,894		,
-layers Labor-meat birds	400	400		2,894 400 10,415	4
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow	400 1,460 400 6,212	400 2,438 400 9,047	2,694 400 10,415	400 10,415	10,4
-layers Labor-meat birds -layers Vaccine & Vet Services	400 1,460 400	400 2,438 400	2,694 400	400	10,4
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow Cash flow before financing	400 1,460 400 6,212	400 2,438 400 9,047	2,694 400 10,415	400 10,415	2,8 4 10,4 9,3
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service	400 1,460 400 6,212 8,739	400 2,438 400 9,047 7,273	2,694 400 10,415 9,332	400 10,415 9,332	4 10,4 9,3
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing <u>Debt service</u> Interest at 20 %	400 1,460 400 6,212 8,739	400 2,438 400 9,047 7,273	2,694 400 10,415 9,332	400 10,415 9,332 423	9,3 2
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing <u>Debt service</u> Interest at 20 % Principal	400 1,460 400 6,212 8,739 1,056 1,056	400 2,438 400 9,047 7,273 845 1,056	2,894 400 10,415 9,332 634 1,066	400; 10,415 9,332 423 1,066	9,3 2 1,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at 20 % Principal Cash flow after financing	400 1,460 400 6,212 8,739 1,056 1,056 6,627	400 2,438 400 9,047 7,273 845 1,056 5,372	2,694 400 10,415 9,332 634 1,056 7,642	400; 10,415 9,332 423 1,066 7,853	4 10,4 9,3 2 1,0 8,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing <u>Debt service</u> Interest at 20 % Principal	400 1,460 400 6,212 8,739 1,056 1,056	400 2,438 400 9,047 7,273 845 1,056	2,894 400 10,415 9,332 634 1,066	400; 10,415 9,332 423 1,066	4 10,4 9,3 2 1,0 8,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Pebt service Interest at 20 % Principal Cash flow after financing Loan outstanding  FINANCIAL ANALYSIS	400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	400 2,438 400 9,047 7,273 845 1,056 5,372 4,226	2,694 400 10,415 9,332 634 1,056 7,642 3,170	400, 10,415 9,332 423 1,056 7,853 2,114	9,3 2 1,0 8,0 1,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at 20 % Principal Cash flow after financing Loan outstanding	400 1,460 400 6,212 8,739 1,056 1,056 6,627	400 2,438 400 9,047 7,273 845 1,056 5,372	2,694 400 10,415 9,332 634 1,056 7,642	400; 10,415 9,332 423 1,066 7,853	9,3 2 1,0 8,0 1,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Pebt service Interest at 20 % Principal Cash flow after financing Loan outstanding  FINANCIAL ANALYSIS	400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282 8,739	400 2,438 400 9,047 7,273 845 1,056 5,372 4,226	2,694 400 10,415 9,332 634 1,056 7,642 3,170	400 10,415 9,332 423 1,056 7,853 2,114 18,100	9,3 2 1,0 8,0 1,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Pebt service Interest at 20 % Principal Cash flow after financing Loan outstanding  FINANCIAL ANALYSIS Revenue from sales	400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	400 2,438 400 9,047 7,273 845 1,056 5,372 4,226	2,694 400 10,415 9,332 634 1,056 7,642 3,170	400, 10,415 9,332 423 1,056 7,853 2,114	9,3 2 1,0 8,0 1,0
-layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Pebt service Interest at 20 % Principal Cash flow after financing Loan outstanding  FINANCIAL ANALYSIS Revenue from sales Cash outflow	400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282 8,739 6,212	400 2,438 400 9,047 7,273 845 1,056 5,372 4,226 14,900 9,047	2,694 400 10,415 9,332 634 1,056 7,642 3,170 18,100 10,415	400 10,415 9,332 423 1,056 7,853 2,114 18,100 10,415	9,3 2,1,0 8,0 1,0 18,1 10,4

Table 0.2-59 Financial Analysis of a Native Poultry Production Unit: Marangog

	1 1	2	YEAR 3	4	5
PRODUCTION PARAMETERS			**************************************	*****	
Stock Numbers		į.	ł	1	
Hatching chick	100	100	100	100	100
Male	40	40	40	40	40
maie Female	40	40	40	40	4
	64	85	95	95	9
Growing chick	32	32	32	32	30
Male for meat	32	53	63	63	6
Female as layers	32	~	~	~	*
Calaa				ŀ	
Sales  Convince ablates for most/birds	32	32	32	32	3
Growing chicks for meal(birds)	2,560	4,704	5,704	5,704	5,70
Egg (unit) Cull Hens for meat(birds)	11	22	32	32	3
Cui Here to Meditoros)	, ,				
Technical Parameters		ľ	1	į	
Incubator capacity	100	*			
Hatching rate	- 1	1	ì		
Survival rate	1			. !	
Meat production (kg/bird)	1			1	
Eggs produced/hen/1st yr	80		Į.	į	
Eggs produced/hervyr-2nd yr en	100	100		ĺ	
	l ~o				
Culled hen (%)	l ĭ				
Input/output prices/costs (peso/unit)	Unit	P/unit	Period	Batch	Unit
Incubator (5,000/unit divided among 50 farmers):	1	100	100		الناشية
	6	7		42	
Kerosene (6 ffr/batch) Labor : Meatbird:0.5 hr/day x 100 days (hr)	50	8		400	
	183	. 8		1,460	
:Layer; 0.5 hr/day x 365 days (hr)	1 1 1	1,000		1,000	
Material :Fencing,water,nest etc (Peso)	5	4		1,000	
Feed: :Meathird:50 g/day x 100 days (kg)	18	5			ę
:Layers: 50 g/day x 365 days (kg)	. 10		1.		• • •
Vaccine and veterinarian services (peso/bird)			•		
Output: :Mest (peso/bird of 1-kg each)	·				
:Egg (peso/egg)					
			•		
:Culled hen (pcso/bird of 1.5 kg each)			•		. 1
:Culled hen (peso/bird of 1.5 kg each)	:	<del></del> η		<u> </u>	. 1
:Culled hen (pcso/bird of 1.5 kg each)  B. CASH FLOW PROJECTIONS					. 1
:Culled hen (pcso/bird of 1.5 kg each)  : CASH FLOW PROJECTIONS  Inflow	4.600	1.600	1 600	1 600	
:Culled hen (pcso/bird of 1.5 kg each)  : CASH FLOW PROJECTIONS  Inflow  Sale of meat	1,600	1,600	1,600	1,600	1,60
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow  Sale of meat Sell of eggs	6,400	11,760	14,260	14,260	1,60 14,20
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hons	6,400 739	11,760 1,540	14,260 2,240	14,260 2,240	1,60 14,20 2,20
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor)	6,400 739 930	11,760	14,260	14,260	1,60 14,20 2,20
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hons	6,400 739 930 5,282	11,760 1,540 1,419	14,260 2,240 1,647	14,260 2,240 1,647	1,60 14,20 2,20 1,60
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor)	6,400 739 930	11,760 1,540	14,260 2,240	14,260 2,240	1,60 14,20 2,20 1,6
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan	6,400 739 930 5,282	11,760 1,540 1,419	14,260 2,240 1,647	14,260 2,240 1,647	1,60 14,20 2,20 1,6
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow	6,400 739 930 5,282 14,951	11,760 1,540 1,419 16,319	14,260 2,240 1,647 19,747	14,260 2,240 1,647 19,747	1,66 14,26 2,26 1,6
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total Inflow  Outflow Incubator/kerosene	6,400 739 930 5,282 14,951	11,760 1,540 1,419 16,319	14,260 2,240 1,647 19,747	14,260 2,240 1,647 19,747	1,60 14,20 2,20 1,60
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs	6,400 739 930 5,282 14,951 142 250	11,760 1,540 1,419 16,319 42 250	14,260 2,240 1,647 19,747 42 250	14,260 2,240 1,647 19,747 42 250	1,64 14,24 2,24 1,64 19,74
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total Inflow  Outflow Incubator/kerosene	6,400 739 930 5,282 14,951 142 250 640	11,760 1,540 1,419 16,319 42 250 640	14,260 2,240 1,647 19,747 42 250 640	14,260 2,240 1,647 19,747 42 250 640	1,60 14,20 2,20 1,60 19,70
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs	6,400 739 930 5,282 14,951 142 250 640 2,920	11,760 1,540 1,419 16,319 42 250 640 4,876	14,260 2,240 1,647 19,747 42 250 640 5,789	14,260 2,240 1,647 19,747 42 250 640 5,789	1,60 14,20 2,20 1,60 19,70
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds	6,400 739 930 5,282 14,951 142 250 640 2,920 400	11,760 1,540 1,419 16,319 42 250 640 4,876 400	14,260 2,240 1,647 19,747 42 250 640 5,789 400	14,260 2,240 1,647 19,747 42 250 640 5,789 400	1,66 14,21 2,24 1,6 19,74
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894	1,64 14,24 2,24 1,64 19,74 2,6 5,77 44 2,8
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow thoubstor/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460	11,760 1,540 1,419 16,319 42 250 640 4,876 4,876 2,438 400	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400	1,60 14,20 2,20 1,6 19,70 20 6 5,70 44 2,60
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894	1,60 14,20 2,24 1,6 19,74 25 5,74 42,63
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	1,60 14,26 2,24 1,6 19,74 25 5,74 4,2,63 44 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460	11,760 1,540 1,419 16,319 42 250 640 4,876 4,876 2,438 400	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400	1,60 14,20 2,20 1,6 19,70 20 5,70 4 2,83 4 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	1,60 14,26 2,24 1,6 19,74 25 5,74 4,2,63 44 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	1,60 14,20 2,20 1,60 19,74 2,60 5,74 4,2,80 4,4 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS  Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total Inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332	1,60 14,20 2,20 1,60 19,70 29 6,5,70 44 2,88 44 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332	1,60 14,20 2,20 1,60 19,70 29 6,5,70 44 2,88 44 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%)	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 634 1,056	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056	1,60 14,20 2,20 1,60 19,70 40 2,80 40 10,4 9,3
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cult hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 634 1,056	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056	1,60 14,20 2,20 1,60 19,70 40 2,80 40 10,4 9,3
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cult hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400 10,415 9,332 634 1,056	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056	1,60 14,20 2,20 1,60 19,70 4,2,80 4,40 10,4 9,3
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cult hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,066	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273 845 1,056	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400 10,415 9,332 634 1,056	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056	1,60 14,20 2,20 1,60 19,70 4,2,80 4,40 10,4 9,3
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal  Cash flow after financing Loan outstanding	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273 845 1,056	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400 10,415 9,332 634 1,056	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056	1,60 14,20 2,20 1,60 19,70 4,2,80 4,40 10,4 9,3
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal  Cash flow after financing  Financial Analysis	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	11,760 1,540 1,419 16,319 250 640 4,876 400 2,438 400 9,047 7,273 845 1,056 5,372 4,226	14,260 2,240 1,647 19,747 42 250 640 5,769 400 2,894 400 10,415 9,332 634 1,056 7,642 3,170	14,260 2,240 1,647 19,747 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056 7,853 2,114	1,64 14,24 2,2-1,6 19,7- 19,7- 4 2,8 4 10,4 9,3 2 1,0 8,0 1,0
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal  Cash flow after financing  Financial Analysis Revenue from sales	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273 845 1,056 5,372 4,226	14,260 2,240 1,647 19,747 42 250 640 5,769 400 10,415 9,332 634 1,056 7,642 3,170	14,260 2,240 1,647 19,747 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056 7,853 2,114	1,60 14,20 2,20 1,60 19,70 4 2,80 4,4 10,4 9,3 2 1,0 8,0 1,0
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sett of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal  Cash flow after financing  Financial Analysis Revenue from sales Cash outflow	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273 845 1,066 5,372 4,226	14,260 2,240 1,647 19,747 42 250 640 5,789 400 10,415 9,332 634 1,056 7,642 3,170 18,100 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056 7,853 2,114	8,0 1,0 18,1 10,4
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Sell of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total Inflow  Cutflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal  Cash flow after financing  Financial Analysis Revenue from sales	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273 845 1,066 5,372 4,226	14,260 2,240 1,647 19,747 42 250 640 5,769 400 10,415 9,332 634 1,056 7,642 3,170 18,100 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056 7,853 2,114	1,60 14,20 2,20 1,60 19,70 6,5,70 4,4 2,80 4,4 10,4 9,3 2,1,0 1,0
:Culled hen (pcso/bird of 1.5 kg each)  CASH FLOW PROJECTIONS Inflow Sale of meat Selt of eggs Sale of cull hens Farmer's contribution(50%labor) Production loan Total inflow  Outflow Incubator/kerosene Cost of fertilized eggs Feed -meat birds -layers Labor-meat birds -layers Vaccine & Vet Services Total outflow  Cash flow before financing  Debt service Interest at rate (20%) Principal  Cash flow after financing Loan outstanding  Financial Analysis Revenue from sales Cash outflow	6,400 739 930 5,282 14,951 142 250 640 2,920 400 1,460 400 6,212 8,739 1,056 1,056 6,627 5,282	11,760 1,540 1,419 16,319 42 250 640 4,876 400 2,438 400 9,047 7,273 845 1,066 5,372 4,226	14,260 2,240 1,647 19,747 42 250 640 5,789 400 10,415 9,332 634 1,056 7,642 3,170 18,100 10,415	14,260 2,240 1,647 19,747 42 250 640 5,789 400 2,894 400 10,415 9,332 423 1,056 7,853 2,114	1,60 14,20 2,20 1,60 19,70 6,5,70 4,4 2,80 4,4 10,4 9,3 2,1,0 1,0

Table O.2-60 Financial Analysis of a Native Poultry Production Unit: Silae

· 医克里克氏试验检尿素 医克里氏试验 医克里氏试验 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	THE PROPERTY OF STREET		YEAR		
and the state of t	1	2	3	4	5
PRODUCTION PARAMETERS		1			
Stock Numbers	100	100	100	100	100
Hatching chick	40	40	40	40	40
Male	40	40	40	40	40
Female Growing chick	64	85	95	95	95
Male for meat	32	32	32	32	32
Female as layers	32	53	63	63	63
· · · · · · · · · · · · · · · · · · ·					
Şaleş			- 1		
Growing chicks for meat(birds)	32	32	32	32	32
Egg (unit)	2,560	4,704	5,704	5,704	5,704
Cult Hens for meat(birds)	11	22	32	32	32
	1 1				
Technical Parameters	100			- 1	
Incubator capacity	100				
Hatching rate Survival rate	1 1	i			
Meat production (kg/blrd)	1			Ì	
Eggs produced/hen/fst yr	80	1		]	4
Eggs produced hen/yr-2nd yr on	100	İ	ĺ	- 1	
Culled hen (%)	0			ŀ	
•					
Input/output prices/costs (peso/unit)	<u>Unit</u>	P/unit	Period	Batch	Unit
Incubator.(5,000/unit divided among 50 farmers):	1	100	100	42	
Kerosene (6 ltr/batch)	6	7 8		400	
Labor Meathird 0.5 hr/day x 100 days (hr)	50 183	8		1,460	
Layer: 0.5 hr/day x 365 days (hr)	103	1,000		1,600	
Material Fencing,water,nest etc (Peso) Feed. Meathird 50 g/day x 100 days (kg)	5	4		1,000	21
(Layers: 50 g/day x 365 days (kg)	18	5			9
Vaccine and veterinarian services (poso/bird)		•			į
Output Meat (pesorbird of 1-kg each)					5
Egg (peso/egg)					
:Culted hen (peso/bird of 1.5 kg each)					70
	<b></b>			γ	·
B. CASH FLOW PROJECTIONS					
Inflow	1,600	1,600	1,600	1,600	1,60
Sale of meat Soil of eggs	6,400	11,760	14,260	14 260	14.26
Sale of cull hens	739	1,540	2 240	2.240	2,24
Farmer's contribution(50% labor)	930	1,419	1,647	1,647	1,64
Production loan	5,282				
Total inflow	14,951	16,319	19,747	19,747	19,74
Outflow					
Incubator/kerosene	142	42	42	42	4
Cost of fertilized eggs	250	250	250	250 640	25 64
Feed -meat birds	640 2,920	640 4,876	640 5,789	5,789	5.78
-layers	400	400	400	400	40
Labor-meat birds	1,460	2,438	2.894	2,894	2,89
-layers Vaccine & Vet Services	400	400	400	400	40
Total outflow	6,212	9.047	10,415	10,415	10,41
1000				9,332	9,33
	8,739	7,273	9,332		
Cash flow before financing	8,739	7,273	9,332		İ
					<u>.</u>
Cash flow before financing	1,056	845	634		
Cash flow before financing <u>Debt service</u>		845	634		21 1,08
Cash flow before financing <u>Debt service</u> Interest (20%) Principal	1,056 1,056	845 1,056	634 1,056	1,056	1,06
Cash flow before financing  Debt service Interest (20%) Principal  Cash flow after financing	1,056 1,056 6,627	845 1,056 5,371	634 1,056 7,641	1,056 7,852	1,00 8,00
Cash flow before financing <u>Debt service</u> Interest (20%) Principal	1,056 1,056	845 1,056 5,371	634 1,056 7,641	1,056 7,852	1,00 3,00
Cash flow before financing  Debt service Interest (20%) Principal  Cash flow after financing Loan outstanding	1,056 1,056 6,627	845 1,056 5,371	634 1,056 7,641	1,056 7,852	1,00 3,00
Cash flow before financing  Debt service Interest (20%) Principal  Cash flow after financing Loan outstanding  Financial Analysis	1,056 1,056 6,627 5,282	845 1,056 5,371 4,226	634 1,056 7,641 3,169	1,056 7,852 2,113	1,00 8,00 1,00
Cash flow before financing  Debt service Interest (20%) Principal  Cash flow after financing Loan outstanding  Financial Analysis Revenue from sales	1,056 1,056 6,627 5,282 8,739	845 1,056 5,371 4,226	634 1,056 7,641 3,169	1,056 7,852 2,113 18,100	1,06 8,06 1,05
Cash flow before financing  Debt service Interest (20%) Principal  Cash flow after financing Loan outstanding  Financial Analysis	1,056 1,056 6,627 5,282	845 1,056 5,371 4,226 14,900 9,047	634 1,056 7,641 3,169 18,100 10,415	1,056 7,852 2,113 18,100 10,415	1,06 8,06 1,06 18,10 18,10

Table O.2-61 Benefits from Rural Roads at Sappaac

A. Marketing Cost Saved				
1. Weight of Produce marketed (kg/hh)				103
2. No of Farm Households (189+370 from neighborin	ng municipa	lities)		559
3. Total weight marketed (Kg)				57,577
4. Cost of transportation by carabao-drawn carts (pes	so/kg)			1
5. Cost of transportation moter vehicles from mainroa	ad (P/kg)			0.5
6. Cost Saved (peso)	1.	·		86,366
B. Mandays Saved in Travelling from Homelot to Fa	ırm			
1. No. of man-hours saved/day/farm				1
2. No. of working days	:			200
3. Total mandays saved/farm	100			25
4. No. of farms				559
5. Labor costs/day (peso/man-day)				70
6. Value of labor saved (peso)				978,250
		·		
C. Mandays Saved in Travels on Other Purposes				
1. No. of hours saved/trip	* * * * * * * * * * * * * * * * * * *			1
2 No. of trips/week				4
3. No. of households including non-farms(559+108 n	on-farm)		* •	665
4. Mandays saved	A			2660
5. Value of mandays saved				186,200
Total Road Benefits ('000 peso)				1,251

Note: Include 189 farm households from Sappaac and 370 households from neighboring municipalities and 106 non-farm households from both Sappaac and all neighboring municipalities.

Table 0.2-62 Benefits from Rural Roads at Cofcaville

A. Marketing	Cost Saved	
1. Weight	of Produce marketed (kg/hh)	5282
2. No of Fa	rm Households	179
3. Total we	ight marketed (Kg)	945,478
4. Cost of	ransportation by carabao-drawn carts (peso/kg)	1
5. Cost of	ransportation moter vehicles from mainroad (P/kg)	(
6. Cost Sa	ved (peso)	1,106,209
B. Mandays	Saved in Travelling from Homelot to Farm	
1. No. of n	an-hours saved/day/farm	1
2. No. of w	orking days	200
3. Total m	andays saved/farm	
4. No. of fa	ums	179
5. Labor c	osts/day (peso/man-day)	60
6. Value o	labor saved (peso)	268,500
C. Mandays	Saved in Travels on Other Purposes	
1. No. of h	ours saved/trip	·
2 No. of to	ips/week	4
3. No. of h	ouseholds including non-farms(179+34 non-farm))	213
4. Manday	s saved	852
5. Value o	mandays saved	51,120
Total Road E	enefits ('000 peso)	1,426

Table O.2-63 Benefits from Rural Roads at MARANGOG

A. Marketing Cost Saved	
Weight of Produce marketed (kg	/hh) 737
2. No of Farm Households 1/	770
3. Total weight marketed (Kg)	567,490
4. Cost of transportation by caraba	o-drawn carts (peso/kg)
5. Cost of transportation moter veh	icles from mainroad (P/kg)
6. Cost Saved (peso)	993,108
B. Mandays Saved in Travelling fro	m Homelot to Farm
1. No. of man-hours saved/day/farr	n 1
2. No. of working days/year	200
3. Total mandays saved/farm/year	25 militaria (m. 1941)
4. No. of farms	770
5. Labor costs/day (peso/man-day)	70
6. Value of labor saved (peso)	1,347,500
C. Mandays Saved in Travels on Ot	her Purposes
1. No. of hours saved/trip	
2 No. of trips/week	
3. No. of households including non-	farms1/ 860
4. Mandays saved	1,720
5. Value of mandays saved	120,400
Total Road Benefits ('000 peso)	2,461

Note: Include 247 households beneficiaries from Marangog and 523 households from other neighboring municipalities.

Table 0.2-64 Benefits from Rural Roads at SILAE

A. Marketing Cost Saved				
Weight of Produce marketed (kg/hh)		4,729		
2. No of Farm Households (115+225)				
3. Total weight marketed (Kg)		1,607,860		
4. Cost of transportation by carabao-drawn carts (peso/kg)				
5. Cost of transportation moter vehicles from mainroad (P/kg)		1		
6. Cost Saved (peso)		2,411,790		
B. Mandays Saved in Travelling from Homelot to Farm				
1. No. of man-hours saved/day/farm		1		
2. No. of working days		299		
3. Total mandays saved/farm		25		
4. No. of farms (115+225)		340		
5. Labor costs/day (peso/man-day)	•	70		
6. Value of labor saved (peso)		595,000		
C. Mandays Saved in Travels on Other Purposes	1.1			
1. No. of hours saved/trip		1		
2. No. of trips/week		4		
3. No. of households including non-farms1(340+65)		405		
4. Mandays saved		1,620		
5. Value of mandays saved		113,400		
Total Road Benefits ('000 peso)		3,120		
		**		

Table O.2-65 Benefits from Rural Water Supply at Sappaac

1. Average Distance from water sources (m)	97
2. Trarvel time to fetch water (hr/round trip)	0
3. No. of round trips /yr	365
4. No of persons fetching water /hh	2
5. No of households (farm & non-farm)	224
6. Mandays saved	4,088
7. Values of labor (Peso/md)	70
8. Costs of labour saved (Peso)	408,870

## Table 0.2-66 Benefits from Rural Water Supply at Cofcaville

1. Average Distance from water sources (	m)	33
2. Trarvel time to fetch water (hr/round trip	<b>)</b>	0.1
3. No. of round trips /yr		365
4. No of persons fetching water /hh		2
5. No of households (farm & non-farm)		213
6. Mandays saved		1,944
7. Values of labor (Peso/md)		60
8. Costs of labour saved (Peso)		116,640

## Table O.2-67 Benefits from Rural Water Supply at Marangog

1. Average Distance from water sources (m)	128
2. Trarvel time to fetch water (hr/round trip)	0.3
3. No. of round trips /yr	365
4. No of persons fetching water /hh	2
5. No of households (farm & non-farm)	276
6. Mandays saved	7,556
7. Values of labor (Peso/md)	60
8. Costs of labour saved (Peso)	453,360

## Table O.2-68 Benefits from Rural Water Supply at SILAE

1. Average Distance from water sources (m)	830
2. Trarvel time to fetch water (hr/round trip)	2
3. No. of round trips /yr	365
4. No of persons fetching water /hh	2
5. No of households (farm & non-farm)	137
6. Mandays saved	42,158
7. Values of labor (Peso/md)	70
8. Costs of labour saved ('000Peso)	2,951

Table 0.2-69 Benefits from Fish Culture at Sappaac

1.	. Stocking area (sq.m)		600
	= (ha)		0.06
2.	Stocking rate of Tilapia (No./ha)		15,000
3.	Motality rate (%)		20
4.	Yield (ton/ha:based on 12,000 fish	ı∕ha)	1.45
5.	Production (ton)		0.087
6.	. Price (peso/kg)		60
<b>7</b> .	. Gross income (peso)		5,220
8.	Production Costs (peso)		44
	Quantity		
	- No. of fingerings		900
	- Labor (man days)		5
;	Unit Cost of		
	- Fingerings		2.5
	- Labor		70
	Total Costs		3,098
	- Fingerings		2,250
	- Labor		350
	- Misc		498
9.	. Net Prodution Value from Tilapia		2,122

Table 0.2-70 Benefits from Fish Culture at Cofcaville

1,000
0.10
15,000
20
1.45
0.145
60
8,700
1,500
8
•
2.5
60
5,076
3.750
480
846
3,624

Table 0.2-71 Benefits from Fish Culture at SILAE

1.	Stocking area	(sq.m)	1,000
		(ha)	0
2.	Stocking rate of	Tilapia (No./ha)	15,000
3.	Motality rate (%)	)	20
4.	Yield (ton/ha:ba:	sed on 12,000 fish/ha)	1.45
5.	Production (ton)		0
6.	Price (peso/kg)		60
7.	Gross income (p	oeso)	8,700
8.	<b>Production Cost</b>	s (peso)	
	Quantity		
	- No. of fing	erings	1,500
	- Labor (ma	n days)	8
	Unit Cost of		
	- Fingerings	<b>3</b>	3
	- Labor		70
	Total Costs		5,156
	- Fingerings		3,750
	- Labor		560
	- Misc		846
9.	Net Prodution Va	alue from Tilapia(peso)	3,544

Table O.2-72 Financial Model for Post-Harvest Agro-Industry Facilities: Sappaac

The Alice of the Anthrope State (Anthrope State	Life	Cost/Unit	No of
	(yr)	(000peso)	Equipment
A. INVESTMENT (peso)		er en en en en en en en en en en en en en	en betrantiste film en 1900 en 1900 en 1900 en 1900 en 1900 en 1900 en 1900 en 1900 en 1900 en 1900 en 1900 en
I. Agr.Machinery (life-yr)			
- Tractor	10	1,177.0	0
- Disc Harrow	7	155.0	
- Disc Plow	7	85.5	0
- Trailer	7	1	U <sub>1</sub>
- Hand Tractor	**	15.8	U O
	7	34.3	0
- Sprayer	5	2.9	6
- Animat-drawn Plow	5	1.2	6
- Comb-Tooth Harrow	5	1.0	6
- Animal-drawn sledge	5	0.5	6
II. Post-Harvest & Agro-Industry Facilities			
- Multipurpose Oryer	30	395.5	9
- Mechanical Dryer	7	106.0	1
- Reaper	5	90.0	ှ ်
- Rice Thresher-foot type	5	1,9	7
- Rice Thresher-mech	5	35.0	1
- Engine	7	13.5	4
- Winnower	7	2.0	7
- Warehouse with Solar Dryer (30)	30	659.0	
Wateriouse with Obiat Dryet (30)	30	038.0	
- Rice Agro-Industry Center			
- Warehouse	30	659.0	1
- Rice Mill			**.**
- Mill	10	77.0	0
- Engine	7	68.0	Ŏ
- Weighing Scale	7	12.5	1
- Moisture Meter	5	25.0	4
- Crack Inspector	10	1.0	1
Wooden Pallets	5	21.0	1
***Oddi Taliets		21.0	1
- Corn Sheller-handy type	7	12.5	6
- Corn Agro-Industyr Center			*:
- Warehouse	30	659.0	0
- Com Mill			
- Mill	7	75.0	0
- Engine	7	85.0	Ô
- Com Sheller		55.0	Ĭ
- Sheller	5	15.0	n
- Engine	7	29.0	0
- Weighing Scale	7	12.5	0
- Moisture Meter	5	37.5	0
- Wooden Pallels	5	37.5 21.0	0
:	3	21.0	ď
	<u> </u>		

Table O.2-73 Financial Model for Post-Harvest Agro-Industry Facilities: Cofcaville

	Life	Cost/Unit	No of
	(yr)	(000peso)	Equipment
A. INVESTMENT (peso)		, agreent and account of the section	PRINCE ENGINEERING SHE
. Agr. Machinery (life-yr)		·	
- Tractor	10	1,177.0	1
- Disc Harrow	7	155.0	1
- Disc Plow	7	85.5	1 1
- Trailer	7	15.8	
- Hand Tractor	7	34.3	<b>i</b>
- Sprayer	5	2.9	1,2
- Animal-drawn Plow	5	1.2	;
- Comb-Tooth Harrow	5	1.0	
- Animal-drawn sledge	5	0.5	<b>)</b> ;
II. Post-Harvest & Agro-Industry Facilities			
- Multipurpose Dryer	30	395.5	
- Mechanical Dryer	7	106.0	i .
- Reaper	5	90.0	
- Rice Thresher-foot type	5	1.9	
- Rice Thresher-mech	5	35.0	
- Engine	7	13.5	
- Winnower	7	2.0	
- Warehouse with Solar Dryer (30)	30	659.0	:
- Rice Agro-Industry Center	. i	** * .	
- Warehouse	30	659.0	
- Rice Mill			
- Mill	10	77.0	
- Engine	7	68.0	
- Weighing Scale	7	12.5	•
- Weighing Scale - Moisture Meter	5	25.0	
	10	1.0	
- Crack Inspector - Wooden Pallets	5	21.0	
- Corn Sheller-handy type	7	12.5	
- Corn Agro-Industyr Center			
- Warehouse	30	659.0	
- Corn Mill	]		
- Mill	7	75.0	)
- Engine	7	85.0	
- Corn Sheller	1		
- Sheller	5	15.0	
- Sheller - Engine	7	29.0	
- Engine - Weighing Scale	7	12.5	
- Weighing Scale - Moisture Meter	5	37.8	L.
	5	21.0	
- Wooden Pallets	1	[	1

Table O.2-74 Financial Model for Post-Harvest Agro-Industry Facilities: Marangog

	Life	Cost/Unit	No of
	(yr)	(000peso)	Equipment
A. INVESTMENT (peso)		Thirther there exists a	AND THE PERSON NAMED OF TH
I. Agr.Machinery (life-yr)			
- Tractor	10	1,177.0	C
- Disc Harrow	7	155.0	0
- Disc Plow	7	85.5	O
- Trailer	7	15.8	•
- Hand Tractor	7	34.3	1
- Sprayer	5	2.9	Ę
- Animal-drawn Plow	5	1.2	3
- Comb-Tooth Harrow	5	1.0	3
- Animal-drawn sledge	5	0.5	3
II. Post-Harvest & Agro-Industry Facilities		•	٠.
- Multipurpose Dryer	30	395.5	1
- Mechanical Dryer	7	106.0	. 1
- Reaper	5	90.0	(
- Rice Thresher-foot type	5	1.9	(
- Rice Thresher-mech	5	35.0	
- Engine	7	13.5	1
- Winnower	7	2.0	(
- Warehouse with Solar Dryer (30)	30	659.0	1
- Rice Agro-Industry Center			
- Warehouse	30	659.0	(
- Rice Mill			
- Mill	10	77.0	: (
- Engine	7	68.0	(
- Weighing Scale	7	12.5	(
- Moisture Meter	5	25.0	. (
- Crack Inspector	10	1.0	. (
- Wooden Pallets	5	21.0	Ċ
- Com Sheller-handy type	7	12.5	2
- Corn Agro-Industyr Center			
- Warehouse	30	659.0	0
- Com Mill	1		
- Mill	7	75.0	
- Engine	7	85.0	
- Com Sheller			. (
- Sheller	5	15.0	C
- Engine	7 194	29.0	. 0
- Weighing Scale	7	12.5	Ċ
- Moisture Meter	5	37.5	0
- Wooden Pallets	5	21.0	O

Table 0.2-75 Financial Model for Post-Harvest Agro-Industry Facilities: Silae

· 大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大	T Life	Cost/Unit	No of
	(yr)	(000peso)	Equipmen
A: INVESTMENT (peso)		e Paris anno ann an Aire ann an Aire ann an Aire ann an Aire ann an Aire ann an Aire ann an Aire ann an Aire a	
. Agr.Machinery (life-yr)			
- Tractor	10	1,177.0	
- Disc Harrow	7	155.0	
- Disc Plow	7	85.5	
- Trailer	7	15.8	
- Hand Tractor	7	34.3	
- Sprayer	5	2.9	
- Animat-drawn Plow	5	1.2	
- Comb-Tooth Harrow	5	1.0	
	5	0.5	
- Animal-drawn sledge		0.5	
. Post-Harvest & Agro-Industry Facilities			
- Multipurpose Dryer	30	395.5	
- Mechanical Dryer	7	106.0	
- Reaper	5	90.0	
- Rice Thresher-foot type	5	1.9	
- Rice Thresher-mech	5	35.0	
- Engine	7	13.5	·
- Winnower	7	2.0	E .
- Warehouse with Solar Dryer (30)	30	659.0	1
- Rice Agro-Industry Center			*.
- Warehouse	30	659.0	
- Rice Mill	"	1	
•	10	77.0	
- Mill	1	68.0	1
- Engine	7		1
- Weighing Scale	7	12.5	1
- Moisture Meter	5	25.0	1
- Crack inspector	10	1.0	l .
- Wooden Pallets	5	21.0	
- Corn Sheller-handy type	7	12.5	
- Corn Agro-Industyr Center			
- Warehouse	30	659.0	
- Com Mill			
- Mill	7	75.0	
- Engine	7	85.0	
· · · · · · · · · · · · · · · · · · ·	'	00.0	1
- Corn Sheller	5	15.0	
- Sheller	3		•
- Engine		29.0	
- Weighing Scale	7	12.5	•
- Moisture Meter	5	37.5	
- Wooden Pallets	5	21.0	)i

Table O.2-76 Average Production Costs of Selected Crops Without Project: SAPPAAC

	Pa	lay	Com	Sweet	Mango	Banana
Cost Items	Irrigated	Rainfed	White	Potato	(existing)	(existing)
CASH COSTS		Productive Charles and				
Seeds	232	89	119	958		
Fertilizers	938	575	559		319	1,95
Chemicals	360	174	109		3,315	•
Hired Labor	2,450	1,797	227	385	1,382	3,52
Irrigation Fee	121	0				İ
Land Tax	81	107	41	21		
Rentals -Toos/Equipment	·	į				
- Machine						
- Animal	9	5				
- Land		70			:	
Fuel/oil	. 145	20				
Interest on crop loan	66					
Food Expense	330	148	76			
Transport expense	108	71	26	198		_ ·
NON-CASH COSTS						
Seeds	577	391	60	303		
Landford share	1,136	613	76	*		:
Harvester's Share	777	444	103			
Tresher's Share	681	272	17			
Hired Labor paid in kind	819	84		,		
Lease Rental	614	194		258		
Irrigation fee	163		,		*	
Miscellaneous				:		80
IMPUTED COSTS			·			
Family labor	2,329	4,000	997	1,971	2,940	2,34
Exchange labor	588	244	265	0		:
Depreciation	1,288	484	158	27		
Interest to Investment	628	408	165	101		
ALL COSTS	14,441	10,187	2,998	4,221	7,956	8,63
				.,		

Table O2-77 Average Production Costs of Crops Without Project: COFCAVILLE

	Palay	Corn			Sweet		
Cost Items	Rainfed	Yellow	Peanul	Mungbean	Potato	Mango	Banana
CASH COSTS					. ;		
Seeds	154	1,200	330	338	958		
Fertilizers	683	1,147	218	12		319	1,957
Chemicals	321	804	16	180	;	3,315	
Hired Labor	2,366	1,180	412	269	385	1,382	3,522
Irrigation Fee	0			12			
Land Tax	63	71		15	21		
Rentals -Toos/Equipment				14			
- Machine	34	•		18	+ ,1		
- Animat	14			9			•
- Land	10	7		104		,	
Fuel/oil	121			3	*		
Interest on crop loan	384		243	1			
Food Expense	82	44			:		
Transport expense	35	4	100	4	198	4.	
NON-CASH COSTS							
Seeds	595	121	742	5	303		
Landlord share	491	481	F	35			
Harvester's Share	426	243	٠		1		
Tresher's Share	587	58		9			
Hired Labor paid in kind		102		268			
Lease Rental	156	14	867	108	258	1	
Irrigation fee			. *	322			
							805
IMPUTED COSTS							
Family labor	1,563	3,084	1,522	896	1,971	2,940	2,348
Exchange labor	70	236	. 0	0	0		•
Depreciation	519	645	92	32	27		
Interest to investment	582	353	154	128	101		
ALL COSTS	9,254	9,795	4,697	2,784	4,221	7,956	8,632

Table 0.2-78 Average Production Costs of Crops Produced Without Project: Marangog

		1.0		Succes.	Manon	Danage	Abaca	Coconit
<b>=</b> €100	Talay	<u> </u>			5		(	A Contraction of
Cost Items	Rainfed	White	Peanut	Potato	(exisang)	(exisang)	(exisung)	(exisulig)
CASH COSTS								
Seeds	329	***	330	856				1
Fertilizers	278	57	218		9 9	1,957		308
Chemicals	98	7	16		3,315			577
Hired Labor	1,256	265	412	385	1,382	3,522	840	1,944
Imigation Fee	0					-		
Land Tax	41	35		27				
Rentals - Toos/Equipment	n	∞						
- Machine								
- Animal	4							
- Land	192				-			
Fuel/oil	Ç							
Interest on crop loan			243					
Food Expense		8						
Transport expense	1	7	100	198				
NON-CASH COSTS					- 14			
Seeds	302	92	742	303		-		
Landlord share	321	551					***	
Harvester's Share	405	325						
Tresher's Share	407	130						
Hired Labor paid in kind	\$	210						
Lease Rental		တ္တ	367	258				
Irrigation fee								
Miscellaneous						808		200
IMPUTED COSTS			-					
Family labor	1,513	1,212	1,522	1,971	2,940	2,348	840	1,296
Exchange labor	∞	0	O	0				
Depreciation	550	316	92	27				
Interest to investment	455	106	154	101				
ALL COSTS	6,772	3,784	4,697	4,221	7,956	8,632	1,680	4,325

Table O.2-79 Average Production Costs of Selected Crops Without Project: SILAE

	Pal	ay	Corn	er av forderen er er er er er er er er er er er er er
Cost Items	Irrigated	Rainfed	Yellow	Squash
CASH COSTS				
Seeds	409	360	256	1,200
Fertilizers	1,198	680	1,344	2,892
Chemicals	601	454	76	200
Hired Labor	2,829	3,861	1,026	3,197
Irrigation Fee	112	. :		•
Land Tax	51	30	39	
Rentals -Toos/Equipment	7			:
- Machine	148	163		
- Animal	26	62	·	
- Land			315	
Fuel/oil	114	125	62	*
Interest on crop loan	139	153		
Food Expense	171	165	131	
Transport expense	34	38	10	
		11		
NON-CASH COSTS				
Seeds	357	281	13	
Landlord share	1,490	1,129	. 53	
Harvester's Share	1,175	1,017	793	
Tresher's Share	899	950		
Hired Labor paid in kind		289	712	
Lease Rental	831	132		
Irrigation fee	50			•
Miscellaneous				
IMPUTED COSTS				
Family labor	2,833	920	848	2,131
Exchange labor	358	40	0	
Depreciation	773	591	323	
Interest to Investment	791	835	419	
		40.000	0.440	0.000
ALL COSTS	15,395	12,277	6,419	9,620

Disbursoment Schedule of the Project Costs for Project Evaluation and ORM Costs in Suppare Area (Rek.-CAN)

!tews	IST Vegy	and Year		Tay by:		4th Yeser	Š	Sch Yeer	Sth Y	Lear			
	And the second s												
<b>S</b>				And the second						4			
Pre-free neer inc look								-					
6. Consulting Services									-	•			-
a) Agricultural Levelopment									3				
b) Agri, infrastructure Development		l					-			-			+
c) Nara) Infrastructure towerone d) Post Harvest forestoment			t	And the second second						+ +			
e) institutional fevelopment Committe fevelopment & Succort Services										-			-
	2/1 2/3	3/1	 	3/	3/1	3	E/C	32	Fic	3	83		Total
D. TOME, USES													
Administration Costs	33	65	8	E)	Ē.		2	8	157	3	463	9	F. 4.
2 Land Acquisition Lost 3 Pro-Poulonnier Work Cost	71.0		-	-							710	770	08.7
Consulting Service Cost		1,835	1,233	0	00.7	0	13	0.	0	2	2.28	4.306	7. 20.
Construction Cost			-				-		-	- <del> </del> -			
A TANKA I WASHINGTON		(SE	102	-	-			-		+-	ক	10.1	<u>1</u> 2
Training and limelopment farm		S	Ē		- 1					+	ន	<u> </u>	136
- Gerbeo Disposal			Ř.	-	-	_					ع اح	2 2	500
- Poultry Development		0	8		-						0	95	Ž.
Sub-Total					-		-			1	-	-  -	
b) Agricultural Infrastructure Revelopment	-	-  <sub>@</sub>	- 080		2.13		-				2.367	3.28	5,635
- Desirage Development		Ŕ	g E	8	83				-		8	S	8
Farm Road Cove coment		8	216	1	1.8%		-	} -			3,014	27.73	2 78 20 78 30 78
C) Renal Infrastructure Levelopment			-										
- Arrai Roods Development		2,018	1.819	4.037	3 638				+	1	18 8 3 8	200	1,513
- Name (Age)		3	8	1	200			_			3	Š,	23
- Streethering Motor Rol for OA Works		7	-		•					1			
Sub-Total		-  -			+	-	_	-  -		-	-		-
(c) TONE (EXTRACTIONAL MACHINES).		-	-						-		2	=	S
- Nost-Herwest & Agro-Industry Profilities		-		778	1,815	-					6	1.615	2,503
Sub-floral		-		-								-	-
- Commity Sevelopment Program		470	300						-		6.3	æ	įδ. 8.
Sub-Total	-					-	-	-				- 1	200 (0)
[679]		4,873	2.5	ė Š	10.203	-  -	-				(A, A)	15,493	25
6. Commity Revolutions									-				
8) Arricultural Support Services					100				- 1	***			200
- Training & Demostration Para			+		35.5	o ē	3 °	3 6	5 0	<u> </u>	5 6	3 3	3,3
Animal Publication					9		3	<u> </u>			,    	¥.	
b) Institutional Bevelopeent				-									
- Commity Development Program					€		S .	0 0		<b>§</b>	0	. 38	<u>بر</u>
Sub-Total	-			-	Ē	2			5	ğ	5 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	404
7. Physical Continuency		480	83	íðs S	1, 116	ō	88	98	Ö	8	8	1.935	3.345
	-				_								
							-		1				

Note: Finance with (+) show the excluded project costs for the project economic evaluation.

Table 0.2-81

Disbursement Schedule of the Project Costs for Project Economic Evaluation and CEM Costs in Cofcaville Area (Reg. - 11)

STEON WAS (imit: 1,000 P) 6 1.918 2.784 3 1.02 165 9 7.005 12.914 4,872 1,612 1,456 2 118 3,613 14,923 17,315 22,239 2,000. 2,000 6 981 1 452 2 116 3,60% JC F/C L/C F/C L/C Total 1,789 21,455 30,364 52,019 386 4 470 200 4.105 \$ 3. 4,767 328 28 28 28 28 28 g 17C F/C 17C 17C Disbursed Conts 3rd Year 4th Year 11, 768 16, 437 É 1,589 1,388 2,73 32 1 47 1.26 220 639 554 11 44 27 1.90 2.755 3.899 133 7,020 7,600 2nd Year ₹¥ 835 ₹8 b) Aprilolitum infrastructure Development
| Principle Development | Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Principle Development |
| Pr Negacy Capital and Development, Com-Corbon Discoul. Corbon Mini-Present Station (Bull Gon). Postery Development L. Aministration
3. American leading and the Constitution Marks
4. Constitution Marks
5. Constitution Marks
5. Maria Infrastructure Development
(b) Amin Infrastructure Development
(c) Nert Infrastructure Development
(d) Post Harmed Development
(e) Institutional Development
(e) Institutional Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy Development
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committy
(f) Committ A Committy Development

A Actionity Development

Training & Development

Animal Babandry

Surford

b) Institution Committee

Governity Development

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford

Surford e) Intritutions Investment
Committy Development Program
Sub-Total
(COM) Land (reulation Costs
 Land (reulation Cost
 Medicylinearing Work Cost
 Consulting Service Cost
 Consulting Service Cost
 Medicultum Cost
 Medicultum Cost

Note: Figures with (\*) show the excluded project costs for the project economic evaluation.

Table 0.2-82

Disbursement Schedule of the Project Costs for Project Economic Evaluation and ORM Costs in Marangok Area (Ros. - VIII)

<u>]</u>	- A V.	, av,	Star State	The Land of the La	794	40 Year	Į.	Set Your		fith V. per	-			
A. Project Implementation Sandulo							-			A of other common and		1		
. Administration	The second secon			,L.L						The second second			1	
2. Inchial tention for the second										-	1			
i. Comulting Services	_					1				1	į			
Construction Works			1							•				
b) April of fractional production	And the second s		1						-					-
e) Rami Infrastructure Envelopment		1				-					-			
e) lestitutional (evolutional)										- q			1	-   -
5. Commity Gerelopsent & Support Services						-								
8. Project Costs	1. F.C. L.C.	3/3	3	F/C	3/1	۲. 8	3	F/C		3	<u>-</u>	3	. i	150c
The second of th	(A) - 0K	38	357	280	1,53	8	397	Ē	292	230	183	1.77.	2.50	£65.
2. Lond Americal Ion Cost			•		1	-		***************************************	-		1	929	910	. 780
3. Pro-live incerting Work Cost	8.00	KŽ	1,200	io	88	0	35,	0	22	0	ģ	2.799	4.306	۲. چ
S. Construction Cost									+	-	+			
n) Agricultural Development		3			-	-	1				-	2	107	191
Number of Present Pare		8.8					-				-	8	135	SS .
Carboo Dispose)		0				-			-			0 4	8 9	31.5
- Carabac Wini-Breeding Station (Bull Cum)		8	8 8		<u> </u> 		-				-	0	3	08
- Notitry Several Services										-			-	
b) Agricultural Infrastructure (Presidentit			Š	200		.  -	+	-  -	-	-		1,093	2.76	6, 459
frigation Devolpment			1	į.				-		-	-	0	0	
- Ferm Road Development		1,065	1.077	210	35.55					-  -	+	8 8	ZHEY.	9 9
[404] - 404.				<u> </u>		-	-							
- Agrel Roads Development		2.710	3	Ş	0.30						-	8 8 8	6 6 8	7.58.
- Renal Water Secolar		82	3		Ž,	-	-	-	-	-	1	3		-
- Other Social infrastructure Loveloperation					-		-				<b>-                                    </b>	î	ī	Ţ
Superioral Sub-Total	_			_				-			1	. .	-	
d) Part harvest divelopment				4	- -			-	-	- -	+		8	- 25
Arricultum Mechinery				7 8	***	-	+		-	-	-	88	1,141	1,630
Surface And Control of the Control o				-	_	-								-
e) Institutional Development		-	١		_		+		+		-	7.50	300	620
Community Dovelopment Program		\$	3		-	1	-		-				-	
Jones		6.00	6.35	11,363	11.861					-		, K	88 88	386
					-	-		-	+	-	+	-   -		-
6. Comunity levelopment				1	-		+		-			-   		
Training & Decoration Pers					88	_    	8	ō	025	ō	005	ŏ	88	2000
- Animi Husbandry					9	0	22	5	23	٥	2	3	\$	٤
Sup-Total:					- -	+	-	-	+		$\dagger$	-	-	
b) Institutional Development					100		889	ō	649	6	6/4	6	1,76	1 38
- Committy Constitution of the Constitution of					198	o	88	ō	ŝ	ō	] 8	0	3.844	2.844
Total				1.00	188	- -	-	-  -	18		-  8	- 22	2.205	1282
7 Physical Contingency		3	3	1	9	-		-	8		1			
						-	_		_					

Note: Pinares with (+) show the excluded project costs for the project economic evaluation.

UNIT COSTS 490 120 600 720 480 1,200 596 1,300 1,890 1,016 2,417 3,473 180 719 899 2,251 2,814 5,075 0 3.845 3.844 19,245 20,384 30,634 21 30 51 670 1,362 2,263 5,867 9,135 (5,1)2 2% 4(9 2.739 4,305 0 500 0 500 0 2,000 8 595 1,302 7.20 353 575 513 . 80 Disbursement Schedule of the Project Costs for Project Economic Evaluation and C&M Costs in Sileo Area (Rog. - X) Och Year 449 0 440 0 449 0 (45) 0 95) 0 95) 32. 758. 0 î&î 5th Year 500; 0, 500; [2] 0, 32 0 357 1,940 220 80 480 220 F/C L/C F/C L/C F/C L/C F/C 2,162 3,196 3,766 5,969 250 000 000 339 800 677 1,617 60 240 126 479 754 689 1,507 1,878 8 5.026 1,8% 1,20 œ . 516 4,382 Ę 217 စ္ဆခ LAC YOUR **5**.8 1. Administration Gents
2. Interference Cont.
3. Administration Cont.
5. Construction Cont.
6. Construction Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administration Cont.
7. Administr A Project Indiamentation Sercotic

Administration

2 Lead Post Internation

3 Pre-physicaning land

4 Consulting Services

5 Consoliting Services

6) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Agricultural Services

C) Rest-devent Services

C) Rest-devent Services

C) Committy Services

C) Committy Services 6. Comunity Development
6) An icultural Support Services
- Training & Bengerration Form
- Animal Reference
(b) Institutional Development
- Community Development
- Community Development
- Services Sotal
7. Myssical Contingency Project Costs Table 0.2-83

<u>କ୍ତ୍ର୍ୟକ୍ତ</u> ଅଧୀୟପାତ୍ର

ठ ठ ७ स

17.7 221.6 23.6 8

6,3

8088

Finance with (-) show the excluded project exets for the project economic evaluation.