Appendix J Project Evaluation

TABLE J-1 A FINANCIAL ANALYSIS OF RAINFED RICE PRODUCTION IN ISABELA

One hectare

A. LABOR REQUIREMENT	Unit	P/Unit	Quantity	F-Mkt	Yr. 1	2	3	4	5-25
Family labor	md	100	24		2,402	2,402	2,402	2,402	2,402
Exchange labor	md	100	0.97		97	97	97	97	97
Hired	md	100	25		2,480	2,480	2,480	2,480	2,480
Animal labor	mad	2,000	1		2,000	2,000	2,000	2,000	2,000
Total Labor Costs					6,979	6,979	6,979	6,979	6,979
B.INVESTMENT (peso)	**Unit**	**P/Unit**	**Quantity**						
1. Farm machines	set	5,000	1		5,000				
2. Others	set				0				
Total					5,000				
C. RECURRENT COSTS	**Unit**	**P/Unit**	**Quantity**		Yr.1	2	3	4	5
Seeds					154	154	154	154	154
Fertilizer					787	787	787	787	787
Pesticide					368	368	368	368	368
Irrigation fee					0	0	0	0	0
Land tax					65	65	65	65	65
Fuel & oil					152	152	152	152	152
Transportation					41	41	41	41	41
Labor					6,979	6,979	6,979	6,979	6,979
Total Cost					8,546	8,546	8,546	8,546	8,546
D. RETURN	**Unit**	**P/Unit**	**Quantity**						
Production	kg				1,990	1,990	1,990	1,990	1,990
Total	peso	8.18			16,278	16,278	16,278	16,278	16,278
CASHFLOW PROJECTION									
Inflow									
Sales					16,278	16,278	16,278	16,278	16,278
Loans									
- Investment					5,000				
- Working capital					8,546	8,546	8,546	8,546	8,546
Total					29,824	24,824	24,824	24,824	24,824
Outflow									
Investment/Replacement					5,000				
Recurrent costs					8,546	8,546	8,546	8,546	8,546
Total					13,546	8,546	8,546	8,546	8,546
Net income before debt					16,278	16,278	16,278	16,278	16,278
Loan outstanding									
Principles	Investment				5,000	4,000	3,000	2,000	1,000
	Recurrent costs				8,546	8,546	8,546	8,546	8,546
Interests	Investment	15		0.15	750	600	450	300	150
	Recurrent costs	15		0.15	1,282	1,282	1,282	1,282	1,282
Debt service									
Principles	Investment	5		yrs	1,000	1,000	1,000	1,000	1,000
	Recurrent costs				8,546	8,546	8,546	8,546	8,546
Interests	Investment				750	600	450	300	150
	Recurrent costs				1,282	1,282	1,282	1,282	1,282
Net income after debt service					4,700	4,850	5,000	5,150	5,300
Cumulative net income					4,700	9,551	14,551	19,701	25,002
FINANCIAL ANALYSIS									
Revenue from sales	000 peso				16,278	16,278	16,278	16,278	16,278
Cash outflow	000 peso				13,546	8,546	8,546	8,546	8,546
Net Production Value	000 peso				2,732	7,732	7,732	7,732	7,732

TABLE J-1B ECONOMIC ANALYSIS OF RAINFED RICE PRODUCTION IN ISABELA

One hectare

A. LABOR REQUIREMENT	SER-CF	P/Unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
Family labor	0.6	100	24	2,402	1,441	1,441	1,441	1,441	1,441
Exchange labor	0.6	100	0.97	97	58	58.2	58.2	58.2	58.2
Hired	0.6	100	25	2,480	1,488	1,488	1,488	1,488	1,488
Animal labor	0.6	2,000	1	2,000	1,200	1,200	1,200	1,200	1,200
Total Labor Costs					**4,187**	**4,187**	**4,187**	**4,187**	**4,187**
B.INVESTMENT (peso)	**SER-CF**	**P/Unit**	**Quantity**	**F.A.**					
1. Farm machines	1.2	5,000	1	5,000	6,000				
2. Others	1.2			0	0				
Total					**6,000**				
C. RECURRENT COSTS	**SER-CF**	**P/Unit**	**Quantity**	**F.A.**	Yr.1	2	3	4	5
Seeds	1.2			154	185	185	185	185	185
Fertilizer	1.2			787	944	944	944	944	944
Pesticide	1.2			368	442	442	442	442	442
Irrigation fee	1.0			0	0	0	0	0	0
Land tax	1.0			65	65	65	65	65	65
Fuel & oil	1.2			152	182	182	182	182	182
Transportation	1.2			41	49	49	49	49	49
Labor	0.6			6,979	4,187	4,187	4,187	4,187	4,187
Total Cost					**6,055**	**6,055**	**6,055**	**6,055**	**6,055**
D. RETURN	**SER-CF**	**P/Unit**	**Quantity**	**F.A.**					
Production					1,990	1,990	1,990	1,990	1,990
Total	1.0	8.18		16,278	**16,278**	**16,278**	**16,278**	**16,278**	**16,278**
CASHFLOW PROJECTION									
Inflow									
Sales					16,278	16,278	16,278	16,278	16,278
Total					16,278	16,278	16,278	16,278	16,278
Outflow									
Investment/Replacement					6,000				
Recurrent costs					6,055	6,055	6,055	6,055	6,055
Total					**12,055**	**6,055**	**6,055**	**6,055**	**6,055**
ECONOMIC ANALYSIS									
Revenue from sales	000 peso				16.278	16.278	16.278	16.278	16.278
Cash outflow	000 peso				12.055	6.055	6.055	6.055	6.055
Net Production Value	000 peso				**4.223**	**10.223**	**10.223**	**10.223**	**10.223**

TABLE J-2A: FINANCIAL ANALYSIS OF IRRIGATED RICE PRODUCTION IN ISABELA

One hectare

A. LABOR REQUIREMENT	Unit	P/Unit	Quantity	F/Hd	Yr. 1	2	3	4	5-25
Family labor		100	32		3,222	3,222	3,222	3,222	3,222
Exchange labor		100	0.4		40	40	40	40	40
Hired	md	100	39		3,868	3,868	3,868	3,868	3,868
Animal labor	mad	2,000	1.0		2,000	2,000	2,000	2,000	2,000
Total Labor Costs					9,130	9,130	9,130	9,130	9,130

B.INVESTMENT (peso)	Unit	P/Unit	Quantity	F/Hd	Qt
1. Farm machines	set	5,000	1		5,000
2. Others	set				0
Total					5,000

C. RECURRENT COSTS	Unit	P/Unit	Quantity	Yr.1	2	3	4	5
Seeds				356	356	356	356	356
Fertilizer				356	356	356	356	356
Pesticide				1,277	1,277	1,277	1,277	1,277
Irrigation fee				315	315	315	315	315
Land tax				74	74	74	74	74
Fuel & oil				414	414	414	414	414
Transportation				195	195	195	195	195
Labor				9,130	9,130	9,130	9,130	9,130
Total Cost				12,117	12,117	12,117	12,117	12,117

D. RETURN ('000 peso)	Unit	P/Unit	Quantity					
Production	kg			3,850	3,850	3,850	3,850	3,850
Total	peso	8.18		31,493	31,493	31,493	31,493	31,493

CASHFLOW PROJECTION	Unit	P/Unit	Quantity	Yr. 1	2	3	4	5
Inflow								
Sales				31,493	31,493	31,493	31,493	31,493
Loans								
- Investment				5,000				
- Working capital				12,117	12,117	12,117	12,117	12,117
Total				48,610	43,610	43,610	43,610	43,610
Outflow								
Investment/Replacement				5,000				
Recurrent costs				12,117	12,117	12,117	12,117	12,117
Total				17,117	12,117	12,117	12,117	12,117
Net income before debt				31,493	31,493	31,493	31,493	31,493
Loan outstanding								
Principles	Investment			5,000	4,000	3,000	2,000	1,000
	Recurrent costs			12,117	12,117	12,117	12,117	12,117
Interests	Investment	15	0.15	750	600	450	300	150
	Recurrent costs	15	0.15	1,818	1,818	1,818	1,818	1,818
Debt service								
Principles	Investment	5	yrs	1,000	1,000	1,000	1,000	1,000
	Recurrent costs			12,117	12,117	12,117	12,117	12,117
Interests	Investment			750	600	450	300	150
	Recurrent costs			1,818	1,818	1,818	1,818	1,818
Net income after debt service				15,808	15,958	16,108	16,258	16,408
Cumulative net income				15,808	31,767	47,875	64,134	80,542
FINANCIAL ANALYSIS								
Revenue from sales	In '000 peso			31,493	31,493	31,493	31,493	31,493
Cash outflow	000 peso			17,117	12,117	12,117	12,117	12,117
Net Cashflow	000 peso			14,376	19,376	19,376	19,376	19,376

TABLE J-2B: ECONOMIC ANALYSIS OF IRRIGATED RICE PRODUCTION IN ISABELA

One hectare

A. LABOR REQUIREMENT	SER-CF	P/Unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
Family labor	0.6	100	32	3,222	1,933	1,933	1,933	1,933	1,933
Exchange labor	0.6	100	0.4	40	24	24	24	24	24
Hired	0.6	100	39	3,868	2,321	2,321	2,321	2,321	2,321
Animal labor	0.6	2,000	1.0	2,000	1,200	1,200	1,200	1,200	1,200
Total Labor Costs					**5,478**	**5,478**	**5,478**	**5,478**	**5,478**

B.INVESTMENT (peso)	SER-CF	P/Unit	Quantity	F.A.	Qt
1. Farm machines	1.2	5,000	1	5,000	6,000
2. Others	1.2			0	0
Total					**6,000**

C. RECURRENT COSTS	SER-CF	P/Unit	Quantity	F.A.	Yr.1	2	3	4	5
Seeds	1.2			356	427	427	427	427	427
Fertilizer	1.2			356	427	427	427	427	427
Pesticide	1.2			1,277	1,532	1,532	1,532	1,532	1,532
Irrigation fee	1.0			315	315	315	315	315	315
Land tax	1.0			74	74	74	74	74	74
Fuel & oil	1.2			414	497	497	497	497	497
Transportation	1.2			195	234	234	234	234	234
Labor	0.6			9,130	5,478	5,478	5,478	5,478	5,478
Total Cost					**8,985**	**8,985**	**8,985**	**8,985**	**8,985**

D. RETURN ('000 peso)	SER-CF	P/Unit	Quantity	F.A.					
Production	kg			3,850	3,850	3,850	3,850	3,850	3,850
Total	1.0	8.18		31,493	**31,493**	**31,493**	**31,493**	**31,493**	**31,493**

CASHFLOW PROJECTION	Unit	P/Unit	Quantity		Yr. 1	2	3	4	5
Inflow									
Sales					31,493	31,493	31,493	31,493	31,493
Total					31,493	31,493	31,493	31,493	31,493
Outflow									
Investment/Replacement					6,000				
Recurrent costs					8,985	8,985	8,985	8,985	8,985
Total					**14,985**	**8,985**	**8,985**	**8,985**	**8,985**

ECONOMIC ANALYSIS									
Revenue from sales	In '000 peso				31.493	31.493	31.493	31.493	31.493
Cash outflow	In '000 peso				14.985	8.985	8.985	8.985	8.985
Net Cashflow	In '000 peso				**16.508**	**22.508**	**22.508**	**22.508**	**22.508**

TABLE J-3A:FINANCIAL ANALYSIS OF YELLOW CORN PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/Unit	Quantity	FMs	Yr. 1	2	3	4	5-25
Family labor	md	100	22		2,180	2,180	2,180	2,180	2,180
Exchange labor	md	100	2.18		218	218	218	218	218
Hired	md	100	11		1,061	1,061	1,061	1,061	1,061
Animal labor	mad	2000	1.0		2,000	2,000	2,000	2,000	2,000
Total Labor Costs	peso				5,459	5,459	5,459	5,459	5,459
B.INVESTMENT	**Unit**	**P/Unit**	**Quantity**		**Yr. 1**				
1. Farm machineries	set	5,000	1		5,000				
					0				
					0				
Total	peso				5,000				
C. RECURRENT COSTS	**Unit**	**P/Unit**	**Quantity**						
Seeds					204	204	204	204	204
Fertilizer					1421	1,421	1,421	1,421	1,421
Pesticide					132	132	132	132	132
Irrigation fee					0	0	0	0	0
Land tax					143	143	143	143	143
Fuel & oil					165	165	165	165	165
Transportation					8	8	8	8	8
Labor					5,459	5,459	5,459	5,459	5,459
Total Cost					7,532	7,532	7,532	7,532	7,532
D. RETURN	**Unit**	**P/Unit**	**Quantity**						
Production	kg				2,248	2,248	2,248	2,248	2,248
Total	peso	5.85			13,153	13,153	13,153	13,153	13,153
CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					13,153	13,153	13,153	13,153	13,153
Loans									
- Investment					5,000				
- Working capital					7,532	7,532	7,532	7,532	7,532
Total					25,685	20,685	20,685	20,685	20,685
Outflow									
Investment/Replacement					5,000				
Recurrent costs					7,532	7,532	7,532	7,532	7,532
Total					12,532	7,532	7,532	7,532	7,532
Net income before debt					13,153	13,153	13,153	13,153	13,153
Loan outstanding									
Principles	Investment				5,000	4,583	4,167	3,750	3,333
	Recurrent costs				7,532	7,532	7,532	7,532	7,532
Interests	Investment	15		0.15	750	688	625	563	500
	Recurrent costs	15		0.15	1,130	1,130	1,130	1,130	1,130
Debt service									
Principles	Investment	12		yrs	417	417	417	417	417
	Recurrent costs				7,532	7,532	7,532	7,532	7,532
Interests	Investment				750	688	625	563	500
	Recurrent costs				1,130	1,130	1,130	1,130	1,130
Net income after debt service					3,325	3,387	3,450	3,512	3,575
Cumulative net income					3,325	6,712	10,161	13,673	17,248
FINANCIAL ANALYSIS									
Revenue from sales	In '000 peso				13.153	13.153	13.153	13.153	13.153
Cash outflow	In '000 peso				12.532	7.532	7.532	7.532	7.532
Net Production Value	In '000 peso				0.621	5.621	5.621	5.621	5.621

TABLE J-3B: FINANCIAL ANALYSIS OF YELLOW CORN PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/Unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
Family labor	0.6	100		22	13	13	13	13	13
Exchange labor	0.6	100		2	1	1	1	1	1
Hired	0.6	100		11	6	6	6	6	6
Animal labor	0.6	2000		2,000	1,200	1,200	1,200	1,200	1,200
Total Labor Costs	0.6	2,000		5,459	1,221	1,221	1,221	1,221	1,221

B.INVESTMENT	SER-CF	P/Unit	Quantity	F.A.	Yr. 1
1. Farm machineries	1.2	5,000	1	5,000	6,000
					0
					0
Total	peso				6,000

C. RECURRENT COSTS	SER-CF	P/Unit	Quantity	F.A.					
Seeds	1.2			204	245	245	245	245	245
Fertilizer	1.2			1,421	1,705	1,705	1,705	1,705	1,705
Pesticide	1.2			132	158	158	158	158	158
Irrigation fee	1.0			0	0	0	0	0	0
Land tax	1.0			143	143	143	143	143	143
Fuel & oil	1.2			165	198	198	198	198	198
Transportation	1.2			8	10	10	10	10	10
Labor					1,221	1,221	1,221	1,221	1,221
Total Cost					3,680	3,680	3,680	3,680	3,680

D. RETURN	SER-CF	P/Unit	Quantity	F.A.					
Production	kg			2,248	2,248	2,248	2,248	2,248	2,248
Total	1.0	5.85		13,153	13,153	13,153	13,153	13,153	13,153

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	13,153	13,153	13,153	13,153	13,153
Total	13,153	13,153	13,153	13,153	13,153
Outflow					
Investment/Replacement	6,000				
Recurrent costs	3,680	3,680	3,680	3,680	3,680
Total	9,680	3,680	3,680	3,680	3,680

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	13,153	13,153	13,153	13,153	13,153
Cash outflow	In '000 peso	9,680	3,680	3,680	3,680	3,680
Net Production Value	In '000 peso	3,473	9,473	9,473	9,473	9,473

TABLE J-4A: FINANCIAL ANALYSIS OF PEANUT PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr.1	2	3	4	5-25
1. Land preparation	md/mad	100		11	11	11	11	11
2. Shelling		100		2	2	2	2	2
3. Cleaning/drying/bagging		100		1	1	1	1	1
4. Planting		100		1	1	1	1	1
5. Weeding		50		15	15	15	15	15
6. Hilling up		100		2	2	2	2	2
7. Irrigaing		100		1	1	1	1	1
8. Spraying		50		2	2	2	2	2
9. Harvesting		90		5	5	5	5	5
10. Hauling		50		12	12	12	12	12
Total	md/mad	91		52	52	52	52	52
	Total Labor Costs			4,750	4,750	4,750	4,750	4,750

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Yr.1
1. Farm machineries	set	5,000	1	5,000
2. Others	set		1	0
				5,000

Total

C. RECURRENT COSTS	Unit	P/unit	Quantity					
1. Seeds	kg	40	100	4,000	4,000	4,000	4,000	4,000
2. Fertilizer-14-14-14	bag	350	4	1,400	1,400	1,400	1,400	1,400
3. Inoculent	pack	20	2	40	40	40	40	40
4. Insecticides				1,500	1,500	1,500	1,500	1,500
5. Sacks	each	3	100	300	300	300	300	300
6. Irrigation	2x			500	500	500	500	500
7. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
8. Labor	From row 19			4,750	4,750	4,750	4,750	4,750
Total Cost				14,490	14,490	14,490	14,490	14,490

D. RETURN (peso)	Unit	P/unit	Quantity					
Production	kg			1,500	1,500	1,500	1,500	1,500
Total	peso	15.00	1,500	22,500	22,500	22,500	22,500	22,500

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				22,500	22,500	22,500	22,500	22,500
Loans								
- Investment				5,000				
- Working capital				14,490	14,490	14,490	14,490	14,490
Total				41,990	36,990	36,990	36,990	36,990
Outflow								
Investment/Replacement				5,000				
Recurrent costs				14,490	14,490	14,490	14,490	14,490
Total				19,490	14,490	14,490	14,490	14,490
Net income before debt				22,500	22,500	22,500	22,500	22,500
Loan outstanding								
Principles	Investment			5,000	4,167	3,333	2,500	1,667
	Recurrent costs			14,490	14,490	14,490	14,490	14,490
Interests	Investment	18	0.18	900	750	600	450	300
	Recurrent costs	18	0.18	2,608	2,608	2,608	2,608	2,608
Debt service								
Principles	Investment	6	yrs	833	833	833	833	833
	Recurrent costs			14,490	14,490	14,490	14,490	14,490
Interests	Investment			900	750	600	450	300
	Recurrent costs			2,608	2,608	2,608	2,608	2,608
Net income after debt service				3,668	3,818	3,968	4,118	4,268
Cumulative net income				3,668	7,487	11,455	15,574	19,842
FINANCIAL ANALYSIS								
Revenue from sales	in '000 peso			22.500	22.500	22.500	22.500	22.500
Cash outflow	in '000 peso			19.490	14.490	14.490	14.490	14.490
Net Production Value	in '000 peso			3.010	8.010	8.010	8.010	8.010

TABLE J-4B : ECONOMIC ANALYSIS OF PEANUT PRODUCTION IN ISABELA (24 Jun 00)

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land preparation		100			11	11	11	11	11
2. Shelling		100			2	2	2	2	2
3. Cleaning/drying/bagging		100			1	1	1	1	1
4. Planting		100			1	1	1	1	1
5. Weeding		50			15	15	15	15	15
6. Hilling up		100			2	2	2	2	2
7. Irrigaing		100			1	1	1	1	1
8. Spraying		50			2	2	2	2	2
9. Harvesting		90			5	5	5	5	5
10. Hauling		50			12	12	12	12	12
Total md		91			52	52	52	52	52
Total Labor Costs	0.6			4,750	2,850	2,850	2,850	2,850	2,850

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1
1. Farm machineries	1.2	5,000	1	5,000	6,000
2. Others	1.2		1	0	0
					6,000

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.					
1. Seeds	1.2	40	100	4,000	4,800	4,800	4,800	4,800	4,800
2. Fertilizer-14-14-14	1.2	350	4	1,400	1,680	1,680	1,680	1,680	1,680
3. Inoculent	1.2	20	2	40	48	48	48	48	48
4. Insecticides	1.2			1,500	1,800	1,800	1,800	1,800	1,800
5. Sacks	1.2	3	100	300	360	360	360	360	360
6. Irrigation	1.0			500	500	500	500	500	500
7. Farm implements	1.2	2,000	1	2,000	2,400	2,400	2,400	2,400	2,400
8. Labor	Fr. row 19				2,850	2,850	2,850	2,850	2,850
Total Cost					14,438	14,438	14,438	14,438	14,438

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				1,500	1,500	1,500	1,500	1,500
Total	1.0	15.00	1,500	22,500	22,500	22,500	22,500	22,500	22,500

CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					22,500	22,500	22,500	22,500	22,500
Total					22,500	22,500	22,500	22,500	22,500
Outflow									
Investment/Replacement					6,000				
Recurrent costs					14,438	14,438	14,438	14,438	14,438
Total					20,438	14,438	14,438	14,438	14,438

ECONOMIC ANALYSIS									
Revenue from sales	in '000 peso				22,500	22,500	22,500	22,500	22,500
Cash outflow	in '000 peso				20,438	14,438	14,438	14,438	14,438
Net Production Value	in '000 peso				2,062	8,062	8,062	8,062	8,062

TABLE J-5A: FINANCIAL ANALYSIS OF MUNGBEAN PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit			Yr.1	2	3	4	5-25
Family labor	md	100			15	15	15	15	15
Exchange labor	md	100			0.47	0.47	0.47	0.47	0.47
Hired	md	100			2	2	2	2	2
Total	md	100			18	18	18	18	18
	mad (peso/ha)	2,000			2,000	2,000	2,000	2,000	2,000
Total Labor Costs					3,771	3,771	3,771	3,771	3,771
B.INVESTMENT (peso)	**Unit**	**P/unit**	**Quantity**		**Yr.1**				
1. Farm machineries	set	5,000	1		5,000				
2. Others	set		1		0				
Total					5,000				
C. RECURRENT COSTS	**Unit**	**P/unit**	**Quantity**		**Yr.1**	**2**	**3**	**4**	**5**
Seeds					520	520	520	520	520
Fertilizer					12	12	12	12	12
Pesticide					180	180	180	180	180
Irrigation fee					18	18	18	18	18
Land tax					15	15	15	15	15
Fuel & oil					3	3	3	3	3
Transportation					7	7	7	7	7
Farm implements	set	2000	1		2,000	2,000	2,000	2,000	2,000
Labor					3,771	3,771	3,771	3,771	3,771
Total Cost					6,526	6,526	6,526	6,526	6,526
D. RETURN (peso)	**Unit**	**P/unit**	**Quantity**						
Production	kg				760	760	760	760	760
Total	peso	22.71	760		17,259	17,259	17,259	17,259	17,259
CASHFLOW PROJECTION					**Yr.1**	**2**	**3**	**4**	**5**
Inflow									
Sales					17,259	17,259	17,259	17,259	17,259
Loans									
- Investment					5,000				
- Working capital					6,526	6,526	6,526	6,526	6,526
Total					28,785	23,785	23,785	23,785	23,785
Outflow									
Investment/Replacement					5,000				
Recurrent costs					6,526	6,526	6,526	6,526	6,526
Total					11,526	6,526	6,526	6,526	6,526
Net income before debt					17,259	17,259	17,259	17,259	17,259
Loan outstanding									
Principles	Investment				5,000	4,000	3,000	2,000	1,000
	Recurrent costs				6,526	6,526	6,526	6,526	6,526
Interests	Investment	18		0.18	900	720	540	360	180
	Recurrent costs	18		0.18	1,175	1,175	1,175	1,175	1,175
Debt service									
Principles	Investment	5		yrs	1,000	1,000	1,000	1,000	1,000
	Recurrent costs				6,526	6,526	6,526	6,526	6,526
Interests	Investment				900	720	540	360	180
	Recurrent costs				1,175	1,175	1,175	1,175	1,175
Net income after debt service					7,658	7,838	8,018	8,198	8,378
Cumulative net income					7,658	15,497	23,515	31,713	40,092
FINANCIAL ANALYSIS									
Revenue from sales	In '000 peso				17.259	17.259	17.259	17.259	17.259
Cash outflow	In '000 peso				11.526	6.526	6.526	6.526	6.526
Net Production Value	In '000 peso				5.733	10.733	10.733	10.733	10.733

TABLE J-5B: ECONOMIC ANALYSIS OF MUNGBEAN PRODUCTION IN ISABELA (24 Jun 00)

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
Family labor		100			15	15	15	15	15
Exchange labor		100			0.47	0.47	0.47	0.47	0.47
Hired		100			2	2	2	2	2
Total		100			18	18	18	18	18
Animal labor		2,000			2,000	2,000	2,000	2,000	2,000
Total Labor Costs	0.6			3,771	**2,263**	**2,263**	**2,263**	**2,263**	**2,263**

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr. 1
1. Farm machineries	1.2	5,000	1	5,000	6,000
2. Others	1.2		1	0	0
Total					**6,000**

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
Seeds	1.0			520	520	520	520	520	520
Fertilizer	1.2			12	14	14	14	14	14
Pesticide	1.2			180	216	216	216	216	216
Irrigation fee	1.0			18	18	18	18	18	18
Land tax	0.0			15	0	0	0	0	0
Fuel & oil	1.2			3	4	4	4	4	4
Transportation	1.2			7	8	8	8	8	8
Farm implements	1.2	2,000	1	2,000	2,400	2,400	2,400	2,400	2,400
Labor	row 13				2,263	2,263	2,263	2,263	2,263
Total Cost					**5,443**	**5,443**	**5,443**	**5,443**	**5,443**

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				760	760	760	760	760
Total	1.0	22.71	760	17,259	**17,259**	**17,259**	**17,259**	**17,259**	**17,259**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	17,259	17,259	17,259	17,259	17,259
Total	17,259	17,259	17,259	17,259	17,259
Outflow					
Investment/Replacement	6,000				
Recurrent costs	5,443	5,443	5,443	5,443	5,443
Total	**11,443**	**5,443**	**5,443**	**5,443**	**5,443**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	17.259	17.259	17.259	17.259	17.259
Cash outflow	In '000 peso	11.443	5.443	5.443	5.443	5.443
Net Producton Value	In '000 peso	5.816	11.816	11.816	11.816	11.816

TABLE J-6A : FINANCIAL ANALYSIS OF EGGPLANT PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5-25
1. Land preparation		200		29	29	29	29	29
2. Crop management		141		49	49	49	49	49
3. Harvesting		100		20	20	20	20	20
Total	md/mad	150		98	98	98	98	98
Total Labor Costs				**14,700**	**14,700**	**14,700**	**14,700**	**14,700**

B.INVESTMENT ('000 peso)	Unit	P/unit	Quantity	Yr.1
1. Farm machineries	set	5,000	1	5,000
2. Others	set			0
Total investment				**5,000**

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seed (g)	gram	3.75	200	750	750	750	750	750
2. 14-14-14 (bags)	bag	310	10	3,100	3,100	3,100	3,100	3,100
3. 46-0-0 (bags)	bag	280	6	1,680	1,680	1,680	1,680	1,680
4. Chemicals (ltr)	ltr	500	2	1,000	1,000	1,000	1,000	1,000
5. Labor	row 13			14,700	14,700	14,700	14,700	14,700
Total Recurrent Cost				**21,230**	**21,230**	**21,230**	**21,230**	**21,230**

D. RETURN ('000 peso)	Unit	P/unit	Quantity					
Production	kg			10,000	10,000	10,000	10,000	10,000
Total	peso	5.00		**50,000**	**50,000**	**50,000**	**50,000**	**50,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				50,000	50,000	50,000	50,000	50,000
Loans								
- Investment				5,000				
- Working capital				21,230	21,230	21,230	21,230	21,230
Total				76,230	71,230	71,230	71,230	71,230
Outflow								
Investment/Replacement				5,000				
Recurrent costs				21,230	21,230	21,230	21,230	21,230
Total				**26,230**	**21,230**	**21,230**	**21,230**	**21,230**
Net income before debt				50,000	50,000	50,000	50,000	50,000
Loan outstanding								
Principles	Investment			5,000	4,000	3,000	2,000	1,000
	Recurrent costs			21,230	21,230	21,230	21,230	21,230
Interests	Investment	18	0.18	900	720	540	360	180
	Recurrent costs	18	0.18	3,821	3,821	3,821	3,821	3,821
Debt service								
Principles	Investment	5	yrs	1,000	1,000	1,000	1,000	1,000
	Recurrent costs			21,230	21,230	21,230	21,230	21,230
Interests	Investment			900	720	540	360	180
	Recurrent costs			3,821	3,821	3,821	3,821	3,821
Net income after debt service				23,049	23,229	23,409	23,589	23,769
Cumulative net income				23,049	46,277	69,686	93,274	117,043

FINANCIAL ANALYSIS								
Revenue from sales	In thousand peso			50.000	50.000	50.000	50.000	50.000
Cash outflow	In thousand peso			26.230	21.230	21.230	21.230	21.230
Net Production Value	In thousand peso			**23.770**	**28.770**	**28.770**	**28.770**	**28.770**

TABLE J-6B : ECONOMIC ANALYSIS OF EGGPLANT PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land preparation	mad	200			29	29	29	29	29
2. Crop management	md	141			49	49	49	49	49
3. Harvesting	md	100			20	20	20	20	20
Total	md/mad	150			98	98	98	98	98
Total Labor Costs	0.6			14,700	**8,820**	**8,820**	**8,820**	**8,820**	**8,820**

B.INVESTMENT ('000 peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1
1. Farm machineries	1.2	5,000	1	5,000	5,000
2. Others	1.2			0	0
Total Investment					**5,000**

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seed (g)	1.0	3.75	200	750	750	750	750	750	750
2. 14-14-14 (bags)	1.2	310	10	3,100	3,720	3,720	3,720	3,720	3,720
3. 46-0-0 (bags)	1.2	280	6	1,680	2,016	2,016	2,016	2,016	2,016
4. Chemicals (ltr)	1.2	500	2	1,000	1,200	1,200	1,200	1,200	1,200
5. Labor	row 13				8,820	8,820	8,820	8,820	8,820
Total Recurrent Cost					**16,506**	**16,506**	**16,506**	**16,506**	**16,506**

D. RETURN ('000 peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				10,000	10,000	10,000	10,000	10,000
Total	1.0	5.00		50,000	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	50,000	50,000	50,000	50,000	50,000
Total	50,000	50,000	50,000	50,000	50,000
Outflow					
Investment/Replacement	5,000				
Recurrent costs	16,506	16,506	16,506	16,506	16,506
Total	**21,506**	**16,506**	**16,506**	**16,506**	**16,506**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	50.000	50.000	50.000	50.000	50.000
Cash outflow	In '000 peso	21.506	16.506	16.506	16.506	16.506
Net Production Value	In '000 peso	**28.494**	**33.494**	**33.494**	**33.494**	**33.494**

TABLE J-7A:FINANCIAL ANALYSIS OF AMPALAYAA PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity		Yr. 1	2	3	4	5-25
1. Land preparation	md/mad	200			29	29	29	29	29
2. Crop management	md	107			90	90	90	90	90
3. Harvesting	md	100			28	28	28	28	28
Total md/mad	md/mad	124			147	147	147	147	147
Total Labor Costs					18,200	18,200	18,200	18,200	18,200

B.INVESTMENT ('000 peso)	Unit	P/unit	Quantity	Yr.1
1. Farm machineries	set	10,000	1	10,000
2. Others	set			0
				10,000
Total				

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds (kg)	kg	300	3	900	900	900	900	900
2. 14-14-14 (bags)	bag	310	10	3,100	3,100	3,100	3,100	3,100
3. 0-0-60 (bags)	bag	101	4	370	370	370	370	370
4. Chemicals (ltr)	ltr	410	4	1,640	1,640	1,640	1,640	1,640
5. Trellis		50,000	1	50,000	50,000	50,000	50,000	50,000
6. Farm tools	set	5,000	1	5,000	5,000	5,000	5,000	5,000
7. Labor	row13			18,200	18,200	18,200	18,200	18,200
Total Cost				79,210	79,210	79,210	79,210	79,210

D. RETURN ('000 peso)	Unit	P/unit	Quantity						
Production	kg				20,000	20,000	20,000	20,000	20,000
Total	peso	6.00			120,000	120,000	120,000	120,000	120,000

CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					120,000	120,000	120,000	120,000	120,000
Loans									
- Investment					10,000				
- Working capital					79,210	79,210	79,210	79,210	79,210
Total					209,210	199,210	199,210	199,210	199,210
Outflow									
Investment/Replacement					10,000				
Recurrent costs					79,210	79,210	79,210	79,210	79,210
Total					89,210	79,210	79,210	79,210	79,210
Net income before debt					120,000	120,000	120,000	120,000	120,000
Loan outstanding									
Principles	Investment				10,000	8,000	6,000	4,000	2,000
	Recurrent costs				79,210	79,210	79,210	79,210	79,210
Interests	Investment	18	0.18		1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18		14,258	14,258	14,258	14,258	14,258
Debt service									
Principles	Investment	5		yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs				79,210	79,210	79,210	79,210	79,210
Interests	Investment				1,800	1,440	1,080	720	360
	Recurrent costs				14,258	14,258	14,258	14,258	14,258
Net income after debt service					22,732	23,092	23,452	23,812	24,172
Cumulative net income					22,732	45,824	69,277	93,089	117,261
FINANCIAL ANALYSIS									
Revenue from sales	In '000 peso				120.000	120.000	120.000	120.000	120.000
Cash outflow	In '000 peso				89.210	79.210	79.210	79.210	79.210
Net Cashflow	In '000 peso				30.790	40.790	40.790	40.790	40.790

TABLE J-7B : ECONOMIC ANALYSIS OF AMPALAYAA PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land preparation		200			29	29	29	29	29
2. Crop management		107			90	90	90	90	90
3. Harvesting		100			28	28	28	28	28
Total md/mad		124			147	147	147	147	147
Total Labor Costs	0.6			18,200	10,920	10,920	10,920	10,920	10,920

B.INVESTMENT ('000 peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1
1. Farm machineries	1.2	10,000	1	10,000	12,000
2. Others	1.2				0
					12,000
Total					

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds (kg)	1.0	300	3	900	900	900	900	900	900
2. 14-14-14 (bags)	1.2	310	10	3,100	3,720	3,720	3,720	3,720	3,720
3. 0-0-60 (bags)	1.2	101	4	370	444	444	444	444	444
4. Chemicals (ltr)	1.2	410	4	1,640	1,968	1,968	1,968	1,968	1,968
5. Trellis	1.2	50,000	1	50,000	60,000	60,000	60,000	60,000	60,000
6. Farm tools	1.2	5,000	1	5,000	6,000	6,000	6,000	6,000	6,000
7. Labor	row13				10,920	10,920	10,920	10,920	10,920
Total Cost					83,952	83,952	83,952	83,952	83,952

D. RETURN ('000 peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				20,000	20,000	20,000	20,000	20,000
Total	1.0	6.00			120,000	120,000	120,000	120,000	120,000

CASHFLOW PROJECTION		Yr. 1	2	3	4	5
Inflow						
Sales		120,000	120,000	120,000	120,000	120,000
Total		120,000	120,000	120,000	120,000	120,000
Outflow						
Investment/Replacement		12,000				
Recurrent costs		83,952	83,952	83,952	83,952	83,952
Total		95,952	83,952	83,952	83,952	83,952
ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	120.000	120.000	120.000	120.000	120.000
Cash outflow	In '000 peso	95.952	83.952	83.952	83.952	83.952
Net Cashflow	In '000 peso	0.024	0.036	0.036	0.036	0.036

TABLE J-8A ::FINANCIAL ANALYSIS OF SQUASH PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5-25
1. Land preparation	mad	200		29	29	29	29	29
2. Crop management	md	113		46	46	46	46	46
3. Harvesting	md	100		10	10	10	10	10
Total	md/mad			85	85	85	85	85
Total Labor Costs	peso	141		**12,000**	**12,000**	**12,000**	**12,000**	**12,000**

B.INVESTMENT ('000 peso)	Unit	P/unit	Quantity	Yr.1
1. Farm machineires	set	10,000	1	10,000
2. Others	set			0
Total Investment				**10,000**

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds	kg	1,500	2	3,000	3,000	3,000	3,000	3,000
2. 14-14-14	bag	310	4	1,240	1,240	1,240	1,240	1,240
3. 46-0-0	bag	290	3	870	870	870	870	870
4. 0-0-60	bag	280	1	280	280	280	280	280
5. 0-20-0	bag	250	6	1,500	1,500	1,500	1,500	1,500
6. Chemicals	ltr	500	3	1,500	1,500	1,500	1,500	1,500
7. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
8. Labor	row 12			12,000	12,000	12,000	12,000	12,000
Total Cost				**22,390**	**22,390**	**22,390**	**22,390**	**22,390**

D. RETURN ('000 peso)	Unit	P/unit	Quantity					
Production	kg			15,000	15,000	15,000	15,000	15,000
Total Return	peso	5.00		**75,000**	**75,000**	**75,000**	**75,000**	**75,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				75,000	75,000	75,000	75,000	75,000
Loans								
- Investment				10,000				
- Working capital				22,390	22,390	22,390	22,390	22,390
Total				107,390	97,390	97,390	97,390	97,390
Outflow								
Investment/Replacement				10,000				
Recurrent costs				22,390	22,390	22,390	22,390	22,390
Total				**32,390**	**22,390**	**22,390**	**22,390**	**22,390**
Net income before debt				75,000	75,000	75,000	75,000	75,000
Loan outstanding								
Principles	Investment			10,000	8,000	6,000	4,000	2,000
	Recurrent costs			22,390	22,390	22,390	22,390	22,390
Interests	Investment	18	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18	4,030	4,030	4,030	4,030	4,030
Debt service								
Principles	Investment	5	yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs			22,390	22,390	22,390	22,390	22,390
Interests	Investment			1,800	1,440	1,080	720	360
	Recurrent costs			4,030	4,030	4,030	4,030	4,030
Net income after debt service				44,780	45,140	45,500	45,860	46,220
Cumulative net income				44,780	89,920	135,419	181,279	227,499
FINANCIAL ANALYSIS								
Revenue from sales	In '000 peso			75.000	75.000	75.000	75.000	75.000
Cash outflow	In '000 peso			32.390	22.390	22.390	22.390	22.390
Net Cashflow	In '000 peso			42.610	52.610	52.610	52.610	52.610

TABLE J-8B : ECONOMIC ANALYSIS OF SQUASH PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land preparation		200			29	29	29	29	29
2. Crop management		113			46	46	46	46	46
3. Harvesting		100			10	10	10	10	10
Total					85	85	85	85	85
Total Labor Costs	0.6	141		12,000	7,200	7,200	7,200	7,200	7,200

B.INVESTMENT ('000 peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1
1. Farm machineires	1.2	10,000	1	10,000	12,000
2. Others	1.2				0
Total Investment					12,000

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds	1.0	1,500	2	3,000	3,000	3,000	3,000	3,000	3,000
2. 14-14-14	1.2	310	4	1,240	1,488	1,488	1,488	1,488	1,488
3. 46-0-0	1.2	290	3	870	1,044	1,044	1,044	1,044	1,044
4. 0-0-60	1.2	280	1	280	336	336	336	336	336
5. 0-20-0	1.2	250	6	1,500	1,800	1,800	1,800	1,800	1,800
6. Chemicals	1.2	500	3	1,500	1,800	1,800	1,800	1,800	1,800
7. Farm implements	1.2	2,000	1	2,000	2,400	2,400	2,400	2,400	2,400
8. Labor	row 12			12,000	7,200	7,200	7,200	7,200	7,200
Total Cost					19,068	19,068	19,068	19,068	19,068

D. RETURN ('000 peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				15,000	15,000	15,000	15,000	15,000
Total Return	1.0	5.00		75,000	75,000	75,000	75,000	75,000	75,000

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	75,000	75,000	75,000	75,000	75,000
Total Inflow	75,000	75,000	75,000	75,000	75,000
Outflow					
Investment/Replacement	12,000				
Recurrent costs	19,068	19,068	19,068	19,068	19,068
Total Outflow	31,068	19,068	19,068	19,068	19,068

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	75.000	75.000	75.000	75.000	75.000
Cash outflow	In '000 peso	31.068	19.068	19.068	19.068	19.068
Net Cashflow	In '000 peso	43.932	55.932	55.932	55.932	55.932

TABLE J-9A:FINANCIAL ANALYSIS OF STRING BEAN PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5-25
1. Land preparation		200		29	29	29	29	29
2. Crop management		110		58	58	58	58	58
3. Harvesting		106		32	32	32	32	32
Total	md/mad	131		119	119	119	119	119
Total Labor Costs	peso			**15,600**	**15,600**	**15,600**	**15,600**	**15,600**

B.INVESTMENT ('000 peso)	Unit	P/unit	Quantity	Yr.1
1. Farm Machines	set	10,000	1	10,000
2. Others	set			0
Total				**10,000**

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds (kg)	kg	200	25	5,000	5,000	5,000	5,000	5,000
2. 46-0-0 (bags)	bag	310	6	1,860	1,860	1,860	1,860	1,860
3. Chemicals (ltr)	ltr	500	4	2,000	2,000	2,000	2,000	2,000
4. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
5. Labor				15,600	15,600	15,600	15,600	15,600
Total Cost				**26,460**	**26,460**	**26,460**	**26,460**	**26,460**

D. RETURN ('000 peso)	Unit	P/unit	Quantity					
Production (kg)	kg			8,000	8,000	8,000	8,000	8,000
Total	peso	5.00		**40,000**	**40,000**	**40,000**	**40,000**	**40,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				40,000	40,000	40,000	40,000	40,000
Loans								
- Investment				10,000				
- Working capital				26,460	0	0	0	0
Total				76,460	40,000	40,000	40,000	40,000
Outflow								
Investment/Replacement				10,000				
Recurrent costs				26,460	26,460	26,460	26,460	26,460
Total				**36,460**	**26,460**	**26,460**	**26,460**	**26,460**
Net income before debt				40,000	13,540	13,540	13,540	13,540
Loan outstanding								
Principles	Investment			10,000	8,000	6,000	4,000	2,000
	Recurrent costs			26,460	0	0	0	0
Interests	Investment	18	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18	4,763	0	0	0	0
Debt service								
Principles	Investment	5	yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs			26,460	0	0	0	0
Interests	Investment			1,800	1,440	1,080	720	360
	Recurrent costs			4,763	0	0	0	0
Net income after debt service				4,977	10,100	10,460	10,820	11,180
Cumulative net income				4,977	15,077	25,537	36,357	47,537

FINANCIAL ANALYSIS								
Revenue from sales				40.000	40.000	40.000	40.000	40.000
Cash outflow				36.460	26.460	26.460	26.460	26.460
Net Cashflow	In '000 peso			3.540	13.540	13.540	13.540	13.540

TABLE J-9B : ECONOMIC ANALYSIS OF STRING BEAN PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CS	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land preparation		200			29	29	29	29	29
2. Crop management		110			58	58	58	58	58
3. Harvesting		106			32	32	32	32	32
Total	md/mad	131			119	119	119	119	119
Total Labor Costs	0.6			15,600	**9,360**	**9,360**	**9,360**	**9,360**	**9,360**

B.INVESTMENT ('000 peso)	SER-CS	P/unit	Quantity	F.A.	Yr.1
1. Farm Machines	1.2	10,000	1	10,000	10,000
2. Others	1.2				0
Total					**10,000**

C. RECURRENT COSTS	SER-CS	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds (kg)	1.0	200	25	5,000	5,000	5,000	5,000	5,000	5,000
2. 46-0-0 (bags)	1.2	310	6	1,860	2,232	2,232	2,232	2,232	2,232
3. Chemicals (ltr)	1.2	500	4	2,000	2,400	2,400	2,400	2,400	2,400
4. Farm implements	1.2			2,000	2,400	2,400	2,400	2,400	2,400
5. Labor					9,360	9,360	9,360	9,360	9,360
Total Cost					**21,392**	**21,392**	**21,392**	**21,392**	**21,392**

D. RETURN ('000 peso)	SER-CS	P/unit	Quantity	F.A.					
Production (kg)	kg				8,000	8,000	8,000	8,000	8,000
Total	1.0	5.00		40,000	**40,000**	**40,000**	**40,000**	**40,000**	**40,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	40,000	40,000	40,000	40,000	40,000
Total	40,000	40,000	40,000	40,000	40,000
Outflow					
Investment/Replacement	10,000				
Recurrent costs	21,392	21,392	21,392	21,392	21,392
Total	**31,392**	**21,392**	**21,392**	**21,392**	**21,392**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	40.000	40.000	40.000	40.000	40.000
Cash outflow	In '000 peso	31.392	21.392	21.392	21.392	21.392
Net Cashflow	In '000 peso	8.608	18.608	18.608	18.608	18.608

TABLE J-10A : FINANCIAL ANALYSIS OF TOMATO PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit		Yr. 1	2	3	4	5-25
1. Land preparation	mad	200		29	29	29	29	29
2. Crop management	md	100		65	65	65	65	65
3. Harvesting	md	100		40	40	40	40	40
Total	md/mad	122		134	134	134	134	134
Total Labor Costs	peso			**16,300**	**16,300**	**16,300**	**16,300**	**16,300**
B.INVESTMENT (peso)	**Unit**	**P/unit**	**Quantity**	**Yr.1**				
1. Farm machineries	set	10,000	1	10,000				
2. Others	set			0				
Total				**10,000**				
C. RECURRENT COSTS	**Unit**	**P/unit**	**Quantity**	Yr.1	2	3	4	5
1. Seeds	g	2.40	250	600	600	600	600	600
2. 14-14-14	bag	310	7	2,170	2,170	2,170	2,170	2,170
3. 46-0-0	bag	310	6	1,860	1,860	1,860	1,860	1,860
4. 0-0-60	bag	280	6	1,680	1,680	1,680	1,680	1,680
5. Chemicals	ltr	500	4	2,000	2,000	2,000	2,000	2,000
6. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
7. Labor				16,300	16,300	16,300	16,300	16,300
Total Cost				**26,610**	**26,610**	**26,610**	**26,610**	**26,610**
D. RETURN (peso)	**Unit**	**P/unit**	**Quantity**					
Production	kg			20,000	20,000	20,000	20,000	20,000
Total	peso	3.00		**60,000**	**60,000**	**60,000**	**60,000**	**60,000**
CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				60,000	60,000	60,000	60,000	60,000
Loans								
- Investment				10,000				
- Working capital				26,610	26,610	26,610	26,610	26,610
Total				96,610	86,610	86,610	86,610	86,610
Outflow								
Investment/Replacement				10,000				
Recurrent costs				26,610	26,610	26,610	26,610	26,610
Total				**36,610**	**26,610**	**26,610**	**26,610**	**26,610**
Net income before debt				60,000	60,000	60,000	60,000	60,000
Loan outstanding								
Principles	Investment			10,000	8,000	6,000	4,000	2,000
	Recurrent costs			26,610	26,610	26,610	26,610	26,610
Interests	Investment	18	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18	4,790	4,790	4,790	4,790	4,790
Debt service								
Principles	Investment	5	yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs			26,610	26,610	26,610	26,610	26,610
Interests	Investment			1,800	1,440	1,080	720	360
	Recurrent costs			4,790	4,790	4,790	4,790	4,790
Net income after debt service				24,800	25,160	25,520	25,880	26,240
Cumulative net income				24,800	49,960	75,481	101,361	127,601
FINANCIAL ANALYSIS								
Revenue from sales				60.000	60.000	60.000	60.000	60.000
Cash outflow				36.610	26.610	26.610	26.610	26.610
Net Production Value	In '000 peso			23.390	33.390	33.390	33.390	33.390

TABLE J-10B : ECONOMIC ANALYSIS OF TOMATO PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.M.	Yr. 1	2	3	4	5-25
1. Land preparation		200			29	29	29	29	29
2. Crop management		100			65	65	65	65	65
3. Harvesting		100			40	40	40	40	40
Total		122			134	134	134	134	134
Total Labor Costs	0.6			16,300	**9,780**	**9,780**	**9,780**	**9,780**	**9,780**

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.M.	Yr.1
1. Farm machineries	1.2	10,000	1	10,000	12,000
2. Others	1.2			0	0
Total					**12,000**

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.M.	Yr.1	2	3	4	5
1. Seeds	1.0	2.40	250	600	600	600	600	600	600
2. 14-14-14	1.2	310	7	2,170	2,604	2,604	2,604	2,604	2,604
3. 46-0-0	1.2	310	6	1,860	2,232	2,232	2,232	2,232	2,232
4. 0-0-60	1.2	280	6	1,680	2,016	2,016	2,016	2,016	2,016
5. Chemicals	1.2	500	4	2,000	2,400	2,400	2,400	2,400	2,400
6. Farm implements	1.2			2,000	2,400	2,400	2,400	2,400	2,400
7. Labor					9,780	9,780	9,780	9,780	9,780
Total Cost					**22,032**	**22,032**	**22,032**	**22,032**	**22,032**

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.M.					
Production	kg				20,000	20,000	20,000	20,000	20,000
Total	1.0	3.00		60,000	**60,000**	**60,000**	**60,000**	**60,000**	**60,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	60,000	60,000	60,000	60,000	60,000
Total	60,000	60,000	60,000	60,000	60,000
Outflow					
Investment/Replacement	12,000				
Recurrent costs	22,032	22,032	22,032	22,032	22,032
Total	**34,032**	**22,032**	**22,032**	**22,032**	**22,032**

ECONOMIC ANALYSIS					
Revenue from sales	60.000	60.000	60.000	60.000	60.000
Cash outflow	34.032	22.032	22.032	22.032	22.032
Net Production Value In '000 peso	25.968	37.968	37.968	37.968	37.968

TABLE J-11A : FINANCIAL ANALYSIS OF BROCOLLI PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5-25
1. Land Preparation				25	25	25	25	25
2. Hilling up				5				
Total	Total md	280		30	25	25	25	25
3. Seedbed Preparation				38	38	38	38	38
4. Transplanting				15	15	15	15	15
5. Care of plants				124	124	124	124	124
6. Harvesting				26	26	26	26	26
Total	Total md	150		203	203	203	203	203
Total Labor Costs	peso			**38,850**	**37,450**	**37,450**	**37,450**	**37,450**

B.INVESTMENT	Unit	P/unit	Quantity	Qt
1. Farm machineries	set	10,000	1	10,000
2. Others	set			0
Total				**10,000**

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds	g	13.90	300	4,170	4,170	4,170	4,170	4,170
2. Chicken manure	bag	55.00	80	4,400	4,400	4,400	4,400	4,400
3. 14-14-14	bag	410.00	15	6,150	6,150	6,150	6,150	6,150
4. Urea	bag	390.00	10	3,900	3,900	3,900	3,900	3,900
5. Insecticide (Decis100)	Ltr	605.00	4	2,420	2,420	2,420	2,420	2,420
6. Fungicide(Dithane)	kg	286.00	5	1,430	1,430	1,430	1,430	1,430
7. Sticker(Hoestick)	ltr	180.00	1	180	180	180	180	180
8. Miscellaneous				500	500	500	500	500
9. Farm implements	set	2,000.00	1	500	500	500	500	500
10. Labor				38,850	37,450	37,450	37,450	37,450
Total Cost				**62,500**	**61,100**	**61,100**	**61,100**	**61,100**

D. RETURN (peso)	Unit	P/unit	Quantity					
Production	kg			18,000	18,000	18,000	18,000	18,000
Total	peso	20.00		**360,000**	**360,000**	**360,000**	**360,000**	**360,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				360,000	360,000	360,000	360,000	360,000
Farmers contribution				38,850	37,450	37,450	37,450	37,450
Loans								
- Investment				10,000				
- Working capital				23,650	23,650	23,650	23,650	23,650
Total				432,500	421,100	421,100	421,100	421,100
Outflow								
Investment/Replacement				10,000				
Recurrent costs				62,500	61,100	61,100	61,100	61,100
Total				**72,500**	**61,100**	**61,100**	**61,100**	**61,100**
Net income before debt				360,000	360,000	360,000	360,000	360,000
Loan outstanding								
Principles	Investment			10,000	8,000	6,000	4,000	2,000
	Recurrent costs			23,650	23,650	23,650	23,650	23,650
Interests	Investment	18	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18	4,257	4,257	4,257	4,257	4,257
Debt service								
Principles	Investment	5	yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs			23,650	23,650	23,650	23,650	23,650
Interests	Investment			1,800	1,440	1,080	720	360
	Recurrent costs			4,257	4,257	4,257	4,257	4,257
Net income after debt service				328,293	328,653	329,013	329,373	329,733
Cumulative net income				328,293	656,946	985,959	1,315,332	1,645,065

FINANCIAL ANALYSIS								
Revenue from sales	In '000 peso			360.000	360.000	360.000	360.000	360.000
Cash outflow	In '000 peso			72.500	61.100	61.100	61.100	61.100
Net Production Value	In '000 peso			**287.500**	**298.900**	**298.900**	**298.900**	**298.900**

TABLE J-11B : ECONOMIC ANALYSIS OF BROCOLLI PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	SER-CS	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land Preparation					25	25	25	25	25
2. Hilling up					5				
Total		280			30	25	25	25	25
3. Seedbed Preparation					38	38	38	38	38
4. Transplanting					15	15	15	15	15
5. Care of plants					124	124	124	124	124
6. Harvesting					26	26	26	26	26
Total		150			203	203	203	203	203
Total Labor Costs	0.6			38,850	**23,310**	**22,470**	**22,470**	**22,470**	**22,470**

B.INVESTMENT	SER-CS	P/unit	Quantity	F.A.	Qt
1. Farm machineries	1.2	10,000	1	10,000	10,000
2. Others	1.2				0
Total					**10,000**

C. RECURRENT COSTS	SER-CS	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds	1.0	13.90	300	4,170	4,170	4,170	4,170	4,170	4,170
2. Chicken manure	1.0	55.00	80	4,400	4,400	4,400	4,400	4,400	4,400
3. 14-14-14	1.2	410.00	15	6,150	7,380	7,380	7,380	7,380	7,380
4. Urea	1.2	390.00	10	3,900	4,680	4,680	4,680	4,680	4,680
5. Insecticide (Decis100)	1.2	605.00	4	2,420	2,904	2,904	2,904	2,904	2,904
6. Fungicide(Dithane)	1.2	286.00	5	1,430	1,716	1,716	1,716	1,716	1,716
7. Sticker(Hoestick)	1.0	180.00	1	180	180	180	180	180	180
8. Miscellaneous	1.0			500	500	500	500	500	500
9. Farm implements	1.2	2,000.00	1	500	600	600	600	600	600
10. Labor					23,310	22,470	22,470	22,470	22,470
Total Cost					**49,840**	**49,000**	**49,000**	**49,000**	**49,000**

D. RETURN (peso)	SER-CS	P/unit	Quantity	F.A.					
Production	kg				18,000	18,000	18,000	18,000	18,000
Total	1.0	20.00		360,000	**360,000**	**360,000**	**360,000**	**360,000**	**360,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	360,000	360,000	360,000	360,000	360,000
Total	360,000	360,000	360,000	360,000	360,000
Outflow					
Investment/Replacement	10,000				
Recurrent costs	49,840	49,000	49,000	49,000	49,000
Total	**59,840**	**49,000**	**49,000**	**49,000**	**49,000**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	360.000	360.000	360.000	360.000	360.000
Cash outflow	In '000 peso	59.840	49.000	49.000	49.000	49.000
Net Production Value	In '000 peso	**300.16**	**311.00**	**311.00**	**311.00**	**311.00**

TABLE J-12A : FINANCIAL ANALYSIS OF PECHAY PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5-25
1. Land clearing				20	20	20	20	20
2. Digging				50	50	50	50	50
3. Seedbed Preparation				25	25	25	25	25
4. Fertilization				24	24	24	24	24
5. Direct seeding				30	30	30	30	30
6. Watering				40	40	40	40	40
7. Spraying				25	25	25	25	25
8. Weeding, etc				30	30	30	30	30
9. Harvest/postharvest				30	30	30	30	30
Total	md/mad	150		274	274	274	274	274
Total Labor Costs				**41,100**	**41,100**	**41,100**	**41,100**	**41,100**

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Qt
1. Farm machineries	set	10,000	1	10,000
2. Others	set			0
Total	peso			**10,000**

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds	kg	320	1	320	320	320	320	320
2. Chicken manure	bag	60	100	6,000	6,000	6,000	6,000	6,000
3. Inorganic fertilizer	bag	345	15	5,175	5,175	5,175	5,175	5,175
4. Insecticide	Ltr	305	10	3,050	3,050	3,050	3,050	3,050
5. Fungicide	kg	420	12	5,040	5,040	5,040	5,040	5,040
6. Sack (used)	ea	5	800	4,000	4,000	4,000	4,000	4,000
7. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
8. Labor				41,100	41,100	41,100	41,100	41,100
Total Cost	peso			**66,685**	**66,685**	**66,685**	**66,685**	**66,685**

D. RETURN	Unit	P/unit	Quantity					
Production	kg			15,000	15,000	15,000	15,000	15,000
Total	peso	10.00		**150,000**	**150,000**	**150,000**	**150,000**	**150,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				150,000	150,000	150,000	150,000	150,000
Farmers contribution				41,100	41,100	41,100	41,100	41,100
Loans								
- Investment				10,000				
- Working capital				25,585	25,585	25,585	25,585	25,585
Total				226,685	216,685	216,685	216,685	216,685
Outflow								
Investment/Replacement				10,000				
Recurrent costs				66,685	66,685	66,685	66,685	66,685
Total				**76,685**	**66,685**	**66,685**	**66,685**	**66,685**
Net income before debt				150,000	150,000	150,000	150,000	150,000
Loan outstanding								
Principles	Investment			10,000	8,000	6,000	4,000	2,000
	Recurrent costs			25,585	25,585	25,585	25,585	25,585
Interests	Investment	18	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18	4,605	4,605	4,605	4,605	4,605
Debt service								
Principles	Investment	5	yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs			25,585	25,585	25,585	25,585	25,585
Interests	Investment			1,800	1,440	1,080	720	360
	Recurrent costs			4,605	4,605	4,605	4,605	4,605
Net income after debt service				116,010	116,370	116,730	117,090	117,450
Cumulative net income				116,010	232,379	349,109	466,199	583,649

FINANCIAL ANALYSIS								
Revenue from sales				150.000	150.000	150.000	150.000	150.000
Cash outflow				76.685	66.685	66.685	66.685	66.685
Net Production Value	In '000 peso			73.315	83.315	83.315	83.315	83.315

TABLE J-12B : ECONOMIC ANALYSIS OF PECHAY PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land clearing					20	20	20	20	20
2. Digging					50	50	50	50	50
3. Seedbed Preparation					25	25	25	25	25
4. Fertilization					24	24	24	24	24
5. Direct seeding					30	30	30	30	30
6. Watering					40	40	40	40	40
7. Spraying					25	25	25	25	25
8. Weeding, etc					30	30	30	30	30
9. Harvest/postharvest					30	30	30	30	30
Total		150			274	274	274	274	274
Total Labor Costs	0.6			41,100	**24,660**	**24,660**	**24,660**	**24,660**	**24,660**

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Qt
1. Farm machineries	1.2	10,000	1	10,000	12,000
2. Others	1.2				0
Total	peso				**12,000**

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds	1.0	320	1	320	320	320	320	320	320
2. Chicken manure	1.0	60	100	6,000	6,000	6,000	6,000	6,000	6,000
3. Inorganic fertilizer	1.2	345	15	5,175	6,210	6,210	6,210	6,210	6,210
4. Insecticide	1.2	305	10	3,050	3,660	3,660	3,660	3,660	3,660
5. Fungicide	1.2	420	12	5,040	6,048	6,048	6,048	6,048	6,048
6. Sack (used)	1.0	5	800	4,000	4,000	4,000	4,000	4,000	4,000
7. Farm implements	1.2	2,000	1	2,000	2,400	2,400	2,400	2,400	2,400
8. Labor					24,660	24,660	24,660	24,660	24,660
Total Cost					**53,298**	**53,298**	**53,298**	**53,298**	**53,298**

D. RETURN	SER-CF	P/unit	Quantity	F.A.					
Production	kg				15,000	15,000	15,000	15,000	15,000
Total	1.0	10		150,000	**150,000**	**150,000**	**150,000**	**150,000**	**150,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	150,000	150,000	150,000	150,000	150,000
Total	150,000	150,000	150,000	150,000	150,000
Outflow					
Investment/Replacement	12,000				
Recurrent costs	53,298	53,298	53,298	53,298	53,298
Total	**65,298**	**53,298**	**53,298**	**53,298**	**53,298**

ECONOMIC ANALYSIS					
Revenue from sales	150,000	150,000	150,000	150,000	150,000
Cash outflow	65,298	53,298	53,298	53,298	53,298
Net Production Value In '000 peso	**84,702**	**96,702**	**96,702**	**96,702**	**96,702**

TABLE J-13A : FINANCIAL ANALYSIS OF RED PEPPER PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5-25
1. Land clearing				20	20	20	20	20
2. Digging				50	50	50	50	50
3. Seedbed Preparation				25	25	25	25	25
4. Fertilization				24	24	24	24	24
5. Planting				40	40	40	40	40
6. Watering				55	55	55	55	55
7. Spraying				35	35	35	35	35
8. Weeding, etc				37	37	37	37	37
9. Harvest/postharvest				30	30	30	30	30
Total	md/mad			316	316	316	316	316
Total Labor Costs	peso	150		**47,400**	**47,400**	**47,400**	**47,400**	**47,400**

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Yr.1	2	3
1. Farm machineries	set	10,000	1	10,000		
2. Others	set			0		
Total				**10,000**		

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds	kg	1,500	1	1,500	1,500	1,500	1,500	1,500
2. Chicken manure	bag	60	110	6,600	6,600	6,600	6,600	6,600
3. Inorganic fertilizer	bag	345	17	5,865	5,865	5,865	5,865	5,865
4. Insecticide	Ltr	305	15	4,575	4,575	4,575	4,575	4,575
5. Fungicide	kg	420	20	8,400	8,400	8,400	8,400	8,400
6. Plastic bags	ea	5	800	4,000	4,000	4,000	4,000	4,000
7. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
8. Labor				47,400	47,400	47,400	47,400	47,400
Total Cost				**80,340**	**80,340**	**80,340**	**80,340**	**80,340**

D. RETURN (peso)	Unit	P/unit	Quantity					
Production	kg	20.00		10,000	10,000	10,000	10,000	10,000
Total				**200,000**	**200,000**	**200,000**	**200,000**	**200,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				200,000	200,000	200,000	200,000	200,000
Farmers contribution				47,400	47,400	47,400	47,400	47,400
Loans								
- Investment				10,000				
- Working capital				32,940	32,940	32,940	32,940	32,940
Total				290,340	280,340	280,340	280,340	280,340
Outflow								
Investment/Replacement				10,000				
Recurrent costs				80,340	80,340	80,340	80,340	80,340
Total				**90,340**	**80,340**	**80,340**	**80,340**	**80,340**
Net income before debt				200,000	200,000	200,000	200,000	200,000
Loan outstanding								
Principles	Investment			10,000	8,000	6,000	4,000	2,000
	Recurrent costs			32,940	32,940	32,940	32,940	32,940
Interests	Investment	18	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	0.18	5,929	5,929	5,929	5,929	5,929
Debt service								
Principles	Investment	5	yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs			32,940	32,940	32,940	32,940	32,940
Interests	Investment			1,800	1,440	1,080	720	360
	Recurrent costs			5,929	5,929	5,929	5,929	5,929
Net income after debt service				157,331	157,691	158,051	158,411	158,771
Cumulative net income				157,331	315,022	473,072	631,483	790,254
FINANCIAL ANALYSIS								
Revenue from sales				200,000	200,000	200,000	200,000	200,000
Cash outflow				90,340	80,340	80,340	80,340	80,340
Net Production Value	In '000 peso			**109,660**	**119,660**	**119,660**	**119,660**	**119,660**

TABLE J-13B : ECONOMIC ANALYSIS OF RED PEPPER PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land clearing					20	20	20	20	20
2. Digging					50	50	50	50	50
3. Seedbed Preparation					25	25	25	25	25
4. Fertilization					24	24	24	24	24
5. Planting					40	40	40	40	40
6. Watering					55	55	55	55	55
7. Spraying					35	35	35	35	35
8. Weeding, etc					37	37	37	37	37
9. Harvest/postharvest					30	30	30	30	30
Total md/mad					316	316	316	316	316
Total Labor Costs	0.6	150		47,400	**28,440**	**28,440**	**28,440**	**28,440**	**28,440**

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1. Farm machineries	1.2	10,000	1	10,000	12,000		
2. Others	1.2			0	0		
Total					**12,000**		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds	1.0	1,500	1	1,500	1,500	1,500	1,500	1,500	1,500
2. Chicken manure	1.0	60	110	6,600	6,600	6,600	6,600	6,600	6,600
3. Inorganic fertilizer	1.2	345	17	5,865	7,038	7,038	7,038	7,038	7,038
4. Insecticide	1.2	305	15	4,575	5,490	5,490	5,490	5,490	5,490
5. Fungicide	1.2	420	20	8,400	10,080	10,080	10,080	10,080	10,080
6. Plastic bags	1.0	5	800	4,000	4,000	4,000	4,000	4,000	4,000
7. Farm implements	1.0	2,000	1	2,000	2,000	2,000	2,000	2,000	2,000
8. Labor				47,400	28,440	28,440	28,440	28,440	28,440
Total Cost					**65,148**	**65,148**	**65,148**	**65,148**	**65,148**

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				10,000	10,000	10,000	10,000	10,000
Total	1.0	20.00			**200,000**	**200,000**	**200,000**	**200,000**	**200,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	200,000	200,000	200,000	200,000	200,000
Total	200,000	200,000	200,000	200,000	200,000
Outflow					
Investment/Replacement	12,000				
Recurrent costs	65,148	65,148	65,148	65,148	65,148
Total	**77,148**	**65,148**	**65,148**	**65,148**	**65,148**

ECONOMIC ANALYSIS					
Revenue from sales	200.000	200.000	200.000	200.000	200.000
Cash outflow	77.148	65.148	65.148	65.148	65.148
Net Production Value In '000 peso	**122.852**	**134.852**	**134.852**	**134.852**	**134.852**

TABLE J-14A ::FINANCIAL ANALYSIS OF WHITE POTATO PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	Unit	P/unit	Quantity		Yr. 1	2	3	4	5-25
1. Land clearing					20	20	20	20	20
2. Digging					50	50	50	50	50
3. Seedbed Preparation					25	25	25	25	25
4. Fertilization					24	24	24	24	24
5. Planting					40	40	40	40	40
6. Watering					55	55	55	55	55
7. Spraying					35	35	35	35	35
8. Weeding, etc					37	37	37	37	37
9. Harvest/postharvest					35	35	35	35	35
Total					321	321	321	321	321
Total Labor Costs	peso	150			**48,150**	**48,150**	**48,150**	**48,150**	**48,150**

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Yr.1	2	3
1. Farm machineries	set	10,000	1	10,000		
2. Others	ha			1		
Total				**10,001**		

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Planting stalk	kg	15	2,500	37,500	37,500	37,500	37,500	37,500
2. Chicken manure	ton	2,030	3	6,090	6,090	6,090	6,090	6,090
3. Inorganic fertilizer	bag	345	20	6,900	6,900	6,900	6,900	6,900
4. Insecticide	Ltr	305	15	4,575	4,575	4,575	4,575	4,575
5. Fungicide	kg	420	30	12,600	12,600	12,600	12,600	12,600
6. Sacks (used)	ea	5	800	4,000	4,000	4,000	4,000	4,000
7. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
8. Labor				48,150	48,150	48,150	48,150	48,150
Total Cost	peso			**121,815**	**121,815**	**121,815**	**121,815**	**121,815**

D. RETURN (peso)	Unit	P/unit	Quantity					
Production	kg	-			25,000	25,000	25,000	25,000	25,000
Total	peso	9.00			**225,000**	**225,000**	**225,000**	**225,000**	**225,000**

CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					225,000	225,000	225,000	225,000	225,000
Farmers contribution					48,150	48,150	48,150	48,150	48,150
Loans									
- Investment					10,001				
- Working capital					73,665	73,665	73,665	73,665	73,665
Total					356,816	346,815	346,815	346,815	346,815
Outflow									
Investment/Replacement					10,001				
Recurrent costs					121,815	121,815	121,815	121,815	121,815
Total					**131,816**	**121,815**	**121,815**	**121,815**	**121,815**
Net income before debt					225,000	225,000	225,000	225,000	225,000
Loan outstanding									
Principles	Investment				10,001	8,001	6,001	4,000	2,000
	Recurrent costs				73,665	73,665	73,665	73,665	73,665
Interests	Investment	18	%=	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	%=	0.18	13,260	13,260	13,260	13,260	13,260
Debt service									
Principles	Investment	5		yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs				73,665	73,665	73,665	73,665	73,665
Interests	Investment				1,800	1,440	1,080	720	360
	Recurrent costs				13,260	13,260	13,260	13,260	13,260
Net income after debt service					134,275	134,635	134,995	135,355	135,715
Cumulative net income					134,275	268,910	403,905	539,260	674,975
FINANCIAL ANALYSIS									
Revenue from sales					225.000	225.000	225.000	225.000	225.000
Cash outflow					131.816	121.815	121.815	121.815	121.815
Net Production Value	In '000 peso				**93.184**	**103.185**	**103.185**	**103.185**	**103.185**

TABLE J-14B : ECONOMIC ANALYSIS OF WHITE POTATO PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land clearing					20	20	20	20	20
2. Digging					50	50	50	50	50
3. Seedbed Preparation					25	25	25	25	25
4. Fertilization					24	24	24	24	24
5. Planting					40	40	40	40	40
6. Watering					55	55	55	55	55
7. Spraying					35	35	35	35	35
8. Weeding, etc					37	37	37	37	37
9. Harvest/postharvest					35	35	35	35	35
Total md/mad					321	321	321	321	321
Total Labor Costs	0.6	150		48,150	**28,890**	**28,890**	**28,890**	**28,890**	**28,890**

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1. Farm machineries	1.2			10,000	12,000		
2. Others					1		
Total					**12,001**		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Planting stalk	1.0			37,500	37,500	37,500	37,500	37,500	37,500
2. Chicken manure	1.0			6,090	6,090	6,090	6,090	6,090	6,090
3. Inorganic fertilizer	1.2			6,900	8,280	8,280	8,280	8,280	8,280
4. Insecticide	1.2			4,575	5,490	5,490	5,490	5,490	5,490
5. Fungicide	1.2			12,600	15,120	15,120	15,120	15,120	15,120
6. Sacks (used)	1.0			4,000	4,000	4,000	4,000	4,000	4,000
7. Farm implements	1.0			2,000	2,000	2,000	2,000	2,000	2,000
8. Labor				48,150	28,890	28,890	28,890	28,890	28,890
Total Cost				121,815	**107,370**	**107,370**	**107,370**	**107,370**	**107,370**

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production	kg				25,000	25,000	25,000	25,000	25,000
Total	1.0	9.00		225,000	**225,000**	**225,000**	**225,000**	**225,000**	**225,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	225,000	225,000	225,000	225,000	225,000
Total	225,000	225,000	225,000	225,000	225,000
Outflow					
Investment/Replacement	12,001				
Recurrent costs	107,370	107,370	107,370	107,370	107,370
Total	**119,371**	**107,370**	**107,370**	**107,370**	**107,370**

ECONOMIC ANALYSIS					
Revenue from sales	225,000	225,000	225,000	225,000	225,000
Cash outflow	119,371	107,370	107,370	107,370	107,370
Net Production Value (In '000 peso)	**105,629**	**117,630**	**117,630**	**117,630**	**117,630**

TABLE J-15A : FINANCIAL ANALYSIS OF STRING BEAN SEED PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	Unit	P/unit	Quantity		Yr. 1	2	3	4	5-25
1. Land preparation	mad	280			25	25	25	25	25
2. Planting	md	150			80	80	80	80	80
3. Harvesting/hauling	md	150			20	20	20	20	20
4. Seed processing	md	150			22	22	22	22	22
Total	md/mad				147	147	147	147	147
Total Labor Costs	peso	172			**25,300**	**25,300**	**25,300**	**25,300**	**25,300**

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Yr.1	2	3
1. Farm machineries	set	10,000	1	10,000		
2. Others				1		
Total	peso			**10,001**		

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Seeds	kg	400	5	2,000	2,000	2,000	2,000	2,000
2. Urea	bag	390	2	780	780	780	780	780
3. 14-14-14	bag	410	2	820	820	820	820	820
4. Muriate of Potash	bag	375	2	750	750	750	750	750
5. Insecticide-Lannate	ltr	550	4	2,200	2,200	2,200	2,200	2,200
6. Fungicide-Dithane	kg	320	4	1,280	1,280	1,280	1,280	1,280
7. Polyethylene sacks	ea	7	15	105	105	105	105	105
8. Misc (straw,needles)				500	500	500	500	500
9. Bamboo	ea	50	50	2,500	2,500	2,500	2,500	2,500
10. Farm implements	set	2,000	1	2,000	2,000	2,000	2,000	2,000
11.Labor				25,300	25,300	25,300	25,300	25,300
Total Cost	peso			**38,235**	**38,235**	**38,235**	**38,235**	**38,235**

D. RETURN (peso)	Unit	P/unit	Quantity					
Production	kg			500	500	500	500	500
Total	peso	400		**200,000**	**200,000**	**200,000**	**200,000**	**200,000**

CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					200,000	200,000	200,000	200,000	200,000
Farmers contribution					25,300	25,300	25,300	25,300	25,300
Loans									
- Investment					10,001				
- Working capital					12,935	12,935	12,935	12,935	12,935
Total					248,236	238,235	238,235	238,235	238,235
Outflow									
Investment/Replacement					10,001				
Recurrent costs					38,235	38,235	38,235	38,235	38,235
Total					**48,236**	**38,235**	**38,235**	**38,235**	**38,235**
Net income before debt					200,000	200,000	200,000	200,000	200,000
Loan outstanding									
Principles	Investment				10,001	8,001	6,001	4,000	2,000
	Recurrent costs				12,935	12,935	25,870	12,935	12,935
Interests	Investment	18	% =	0.18	1,800	1,440	1,080	720	360
	Recurrent costs	18	% =	0.18	2,328	2,328	4,657	2,328	2,328
Debt service									
Principles	Investment	5		yrs	2,000	2,000	2,000	2,000	2,000
	Recurrent costs				12,935	0	25,870	12,935	12,935
Interests	Investment				1,800	1,440	1,080	720	360
	Recurrent costs				2,328	2,328	4,657	2,328	2,328
Net income after debt service					180,936	194,231	166,393	182,016	182,376
Cumulative net income					180,936	375,168	541,561	723,577	905,954
FINANCIAL ANALYSIS									
Revenue from sales					200.000	200.000	200.000	200.000	200.000
Cash outflow					48.236	38.235	38.235	38.235	38.235
Net Production Value	In '000 peso				151.764	161.765	161.765	161.765	161.765

TABLE J-15B : ECONOMIC ANALYSIS OF STRING BEAN SEED PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Land preparation		280			25	25	25	25	25
2. Planting		150			80	80	80	80	80
3. Harvesting/hauling		150			20	20	20	20	20
4. Seed processing		150			22	22	22	22	22
Total					147	147	147	147	147
Total Labor Costs(peso)	0.6	172		25,300	15,180	15,180	15,180	15,180	15,180

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1. Farm machineries	1.2	10,000	1	10,000	12,000		
2. Others					1		
Total (peso)					12,001		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Seeds	1.0	400	5	2,000	2,000	2,000	2,000	2,000	2,000
2. Urea	1.2	390	2	780	936	936	936	936	936
3. 14-14-14	1.2	410	2	820	984	984	984	984	984
4. Muriate of Potash	1.2	375	2	750	900	900	900	900	900
5. Insecticide-Lannate	1.2	550	4	2,200	2,640	2,640	2,640	2,640	2,640
6. Fungicide-Dithane	1.2	320	4	1,280	1,536	1,536	1,536	1,536	1,536
7. Polyethylene sacks	1.0	7	15	105	105	105	105	105	105
8. Misc (straw,needles)	1.0			500	500	500	500	500	500
9. Bamboo	1.0	50	50	2,500	2,500	2,500	2,500	2,500	2,500
10. Farm implements	1.0	2,000	1	2,000	2,000	2,000	2,000	2,000	2,000
11.Labor	0.6			25,300	15,180	15,180	15,180	15,180	15,180
Total Cost (peso)					29,281	29,281	29,281	29,281	29,281

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production (kg)				500	500	500	500	500	500
Total	1.0	400		200,000	200,000	200,000	200,000	200,000	200,000

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	200,000	200,000	200,000	200,000	200,000
Total	200,000	200,000	200,000	200,000	200,000
Outflow					
Investment/Replacement	12,001				
Recurrent costs	29,281	29,281	29,281	29,281	29,281
Total	41,282	29,281	29,281	29,281	29,281

ECONOMIC ANALYSIS					
Revenue from sales	200.000	200.000	200.000	200.000	200.000
Cash outflow	41.282	29.281	29.281	29.281	29.281
Net Production Value In '000 peso	158.718	170.719	170.719	170.719	170.719

TABLE J-16A : :FINANCIAL ANALYSIS OF MANGO PRODUCTION IN ISABELA

(One hectare of land on the boundary or that not used for other purposes)

				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
A. LABOR REQUIREMENT	**Unit**	**P/unit**		**Yr.1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15-25**
1. Planting				15.00														
2. Care and maintenance				3.85	7.71	11.56	15.42	19.27	23.12	26.98	30.83	34.69	38.54	42.39	46.25	50.10	53.96	57.81
3. Flower induction				1.48	2.96	4.43	5.91	7.39	8.87	10.35	11.82	13.30	14.78	16.26	17.74	19.21	20.69	22.17
4. Fruit wrapping/bagging				0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
5. Harvesting				2.23	4.47	6.70	8.94	11.17	13.40	15.64	17.87	20.11	22.34	24.57	26.81	29.04	31.28	33.51
6. Postharvesting				2.94	5.89	8.83	11.78	14.72	17.66	20.61	23.55	26.50	29.44	32.38	35.33	38.27	41.22	44.16
7. Others				0.30	0.61	0.91	1.21	1.52	1.82	2.12	2.42	2.73	3.03	3.33	3.64	3.94	4.24	4.55
Total Labor	md	150		25.82	21.63	32.45	43.26	54.08	64.89	75.71	86.52	97.34	108.15	118.97	129.78	140.60	151.41	162.23
	mad	280		7.14														
Total Labor Cost				5,872	3,245	4,867	6,489	8,111	9,734	11,356	12,978	14,600	16,223	17,845	19,467	21,089	22,712	24,334

B.INVESTMENT ('000 peso)	**Unit**	**P/unit**	**Quantity**	**Yr.1**	**2**	**3**
1. Seedlings	each	11	70	770		
Total				770		

C. RECURRENT COSTS	**Unit**	**P/unit**	**Quantity**	**Yr.1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15-25**
1. Urea (45-0-0)	kg	350	25.11	8,789	834	1,265	1,618	1,994	2,193	2,413	2,654	2,919	3,211	3,532	3,886	4,274	4,702	5,172
2. Complete (14-14-14)	kg	350	38.25	13,388	612	859	1,130	1,428	1,571	1,728	1,901	2,091	2,300	2,530	2,783	3,061	3,367	3,704
3. Ammosol (21-0-0)	kg		11.80	0	177	283	395	524	576	634	697	767	844	928	1,021	1,123	1,236	1,359
4. Organic	kg	10	80.01	800	112	139	164	196	216	237	261	287	316	347	382	420	462	508
5. Foliar	ltr	510	119.06	60,721	163	284	285	308	339	373	410	451	496	546	600	660	726	799
6. Pesticide	ltr			600	971	1,397	1,884	2,032	2,235	2,459	2,705	2,975	3,273	3,600	3,960	4,356	4,791	5,270
7 Farm implements	set	2,500	1	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
8. Labor				5,872	3,245	4,867	6,489	8,111	9,734	11,356	12,978	14,600	16,223	17,845	19,467	21,089	22,712	24,334
Total Cost				92,669	8,614	11,594	14,465	17,093	19,364	21,699	24,106	26,591	29,162	31,826	34,599	37,484	40,496	43,646

D. RETURN (Peso)	**Unit**	**P/unit**	**Quantity**															
Production (kg)	kg		30	0	0	0	0	1,667	2,568	3,325	4,322	5,619	7,305	9,496	12,345	16,048	20,862	27,121
Total	Peso	10.39	1.3	0	0	0	0	20,440	26,573	34,544	44,908	58,380	75,894	98,662	128,261	166,739	216,761	281,789

CASHFLOW PROJECTION				**Yr. 1**	**2**	**3**	**4**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Inflow																		
Sales				0	0	0	0	20,440	26,573	34,544	44,908	58,380	75,894	98,662	128,261	166,739	216,761	281,789
Farmers' Contribution				5,872	3,245	4,867	6,489	8,111	9,734	11,356	12,978	14,600	16,223	17,845	19,467	21,089	22,712	24,334
Loan- Investment				770														
Loan- Working capital				86,797	5,369	6,727	7,976	8,982	9,630	10,343	11,128	11,990	12,939	13,963	15,132	16,395	17,784	19,313
Total				93,439	8,614	11,594	14,465	37,534	45,936	56,243	69,013	84,971	105,056	130,490	162,859	204,223	257,257	325,435
Outflow																		
Investment/Replacement				770														
Recurrent costs				92,669	8,614	11,594	14,465	17,093	19,364	21,699	24,106	26,591	29,162	31,826	34,599	37,484	40,496	43,646
Total				93,439	8,614	11,594	14,465	17,093	19,364	21,699	24,106	26,591	29,162	31,826	34,599	37,484	40,496	43,646
Net income before debt				0	0	0	0	20,440	26,573	34,544	44,908	58,380	75,894	98,662	128,261	166,739	216,761	281,789
Loan outstanding																		
Principles	Investment			770	770	770	770	770	0									
	Recurrent costs			86,797	107,789	133,918	165,999	204,861	231,835	257,335	280,239	297,764	305,921	299,076	268,379	206,001	94,127	0
Interests	Investment	18	0.18	139	139	139	139	139	0									
	Recurrent costs	18	0.18	15,623	19,402	24,105	29,880	36,875	41,730	46,320	50,443	53,598	55,066	53,834	48,488	37,080	16,943	0
Debt service																		
Principles	Investment	1	yrs	0	0	0	0	770										
	Recurrent costs			0	0	0	0	0	0	0	0	4,782	20,828	44,828	79,773	129,859	94,127	0
Interests	Investment			0	0	0	0	139	0									
	Recurrent costs			0	0	0	0	19,532	26,573	34,544	44,908	53,598	55,066	53,834	48,488	37,080	16,943	0
Net income after debt service				0	0	0	0	0	0	0	0	0	0	0	0	0	105,691	281,789
Cumulative net income				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FINANCIAL ANALYSIS																		
Revenue from sales	in '000 peso			0.000	0.000	0.000	0.000	20.440	26.573	34.544	44.908	58.380	75.894	98.662	128.261	166.739	216.761	281.789
Cash outflow	in '000 peso			93.439	8.614	11.594	14.465	17.093	19.364	21.699	24.106	26.591	29.162	31.826	34.599	37.484	40.496	43.646
Net Production Value	in '000 peso			-93.439	-8.614	-11.594	-14.465	3.347	7.208	12.845	20.802	31.789	46.732	66.834	93.662	129.255	176.265	238.143

NPW (15%)	40,397	peso
FIRR	19%	

TABLE J-16B : ECONOMIC ANALYSIS OF MANGO PRODUCTION IN ISABELA

(One hectare of land on the boundary or that not used for other purposes)

					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	11	12	13	14	15
A. LABOR REQUIREMENT	**SER-CF**	**P/unit**	**Qty**	**F.A.**	**Yr. 1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15-25**
1. Planting					15.00														
2. Care and maintenance					3.85	7.71	11.56	15.42	19.27	23.12	26.98	30.83	34.69	38.54	42.39	46.25	50.10	53.96	57.81
3. Flower induction					1.48	2.96	4.43	5.91	7.39	8.87	10.35	11.82	13.30	14.78	16.26	17.74	19.21	20.69	22.17
4. Fruit wragping/bagging					0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
5. Harvesting					2.23	4.47	6.70	8.94	11.17	13.40	15.64	17.87	20.11	22.34	24.57	26.81	29.04	31.28	33.51
6. Postharvesting					2.94	5.89	8.83	11.78	14.72	17.66	20.61	23.55	26.50	29.44	32.38	35.33	38.27	41.22	44.16
7. Others					0.30	0.61	0.91	1.21	1.52	1.82	2.12	2.42	2.73	3.03	3.33	3.64	3.94	4.24	4.55
Total Labor		150			25.82	21.63	32.45	43.26	54.08	64.89	75.71	86.52	97.34	108.15	118.97	129.78	140.60	151.41	162.23
		280			7.14														
Total Labor Cost	0.6			5,872	**3,523**	**1,947**	**2,920**	**3,893**	**4,867**	**5,840**	**6,813**	**7,787**	**8,760**	**9,734**	**10,707**	**11,680**	**12,654**	**13,627**	**14,600**

B.INVESTMENT	**SER-CF**	**P/unit**	**Qty**	**F.A.**	**Yr.1**	**2**	**3**
1. Seedlings (ea)	1.0	11	70	770	770		
Total				770	**770**		

C. RECURRENT COSTS	**SER-CF**	**P/unit**	**Qty**	**F.A.**	**Yr.1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15-25**
1. Urea (45-0-0)	1.2	350	25.11	8,789	10,546	1,001	1,542	1,942	2,393	2,632	2,895	3,185	3,503	3,854	4,239	4,663	5,129	5,642	6,206
2. Complete (14-14-14)	1.2	350	38.25	13,388	16,065	734	1,031	1,356	1,714	1,885	2,073	2,281	2,509	2,760	3,036	3,339	3,673	4,041	4,445
3. Ammosol (21-0-0)	1.2		11.80	0	0	212	340	474	629	692	761	837	921	1,013	1,114	1,225	1,348	1,483	1,631
4. Organic	1.0	10	80.01	800	800	112	139	164	196	216	237	261	287	316	347	382	420	462	508
5. Foliar	1.2	510	119.06	60,721	72,865	196	317	342	370	407	447	492	541	595	655	720	792	871	958
6. Pesticide	1.2			600	720	1,165	1,676	2,261	2,438	2,682	2,950	3,246	3,570	3,927	4,320	4,752	5,227	5,750	6,325
7 Farm implements	1.0	2,500	1	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
8. Labor	0.6			5,872	3,523	1,947	2,920	3,893	4,867	5,840	6,813	7,787	8,760	9,734	10,707	11,680	12,654	13,627	14,600
Total Cost				92,669	**107,019**	**7,867**	**10,465**	**12,932**	**15,106**	**16,853**	**18,678**	**20,588**	**22,591**	**24,698**	**26,917**	**29,262**	**31,743**	**34,376**	**37,174**

D. RETURN (Peso)	**SER-CF**	**P/unit**	**Qty**	**F.A.**															
Production (kg)			30		0	0	0	0	1,967	2,558	3,325	4,322	5,619	7,305	9,496	12,345	16,048	20,862	27,121
Total	1.0	10.39	1.3		**0**	**0**	**0**	**0**	**20,440**	**26,573**	**34,544**	**44,908**	**58,380**	**75,894**	**98,662**	**128,261**	**166,739**	**216,761**	**281,789**

CASHFLOW PROJECTION					Yr. 1	2	3	4	5	5	5	5	5	5	5	5	5	5	5
Inflow																			
Sales					0	0	0	0	20,440	26,573	34,544	44,908	58,380	75,894	98,662	128,261	166,739	216,761	281,789
Total					0	0	0	0	20,440	26,573	34,544	44,908	58,380	75,894	98,662	128,261	166,739	216,761	281,789
Outflow																			
Investment/Replacement					770														
Recurrent costs					107,019	7,867	10,465	12,932	15,106	16,853	18,678	20,588	22,591	24,698	26,917	29,262	31,743	34,376	37,174
Total					**107,789**	**7,867**	**10,465**	**12,932**	**15,106**	**16,853**	**18,678**	**20,588**	**22,591**	**24,698**	**26,917**	**29,262**	**31,743**	**34,376**	**37,174**

FINANCIAL ANALYSIS																			
Revenue from sales	in '000 peso				0.000	0.000	0.000	0.000	20.440	26.573	34.544	44.908	58.380	75.894	98.662	128.261	166.739	216.761	281.789
Cash outflow	in '000 peso				107.789	7.867	10.465	12.932	15.106	16.853	18.678	20.588	22.591	24.698	26.917	29.262	31.743	34.376	37.174
Net Production Value	in '000 peso				**-107.789**	**-7.867**	**-10.465**	**-12.932**	**5.335**	**9.719**	**15.866**	**24.320**	**35.789**	**51.196**	**71.745**	**98.999**	**134.996**	**182.385**	**244.615**

NPW (15%) 41,348 peso
EIRR 18%

TABLE J-17A ::FINANCIAL ANALYSIS OF CALAMANSI PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Growth	* Note	Yr. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. All activities		150	10	%growth	52	78	85	94	103	103	103	103	103	103	103	103	103	103	103
Total	md	150	1.1	Factor	52	78	85	94	103	103	103	103	103	103	103	103	103	103	103
	mad	280			7														
Total Labor Costs					9,751	11,626	12,788	14,067	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474

B.INVESTMENT ('000 peso)	Unit	P/unit	Quantity	Yr.1	2	3
1. Seedlings	each	47	741	35,000		
Total				35,000		

C. RECURRENT COSTS	Unit	P/unit	Quantity															
1. Urea				390	834	1,285	1,618	1,994	1,994	1,994	1,994	1,994	1,994	1,994	1,994	1,994	1,994	1,994
2. Complete				0	612	859	1,130	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428
3. Ammosol				0	177	283	395	524	524	524	524	524	524	524	524	524	524	524
4. Organic				89	112	139	164	196	196	196	196	196	196	196	196	196	196	196
5. Foliar				151	163	264	285	308	308	308	308	308	308	308	308	308	308	308
6. Pesticide				600	971	1,397	1,884	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032
7. Tools & supplies				2500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
8. Labor				9,751	11,626	12,788	14,067	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474	15,474
Total				13,481	16,995	19,515	22,043	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456

D. RETURN (Peso)	Unit	P/unit	Growth	* Note															
Production (kg)	kg		21	%growth	0	197	1,574	1,771	1,967	2,360	2,880	3,485	4,217	5,103	6,174	7,471	9,040	10,938	13,235
Total	Peso	10.39	1.21	Factor	0	2,044	16,362	18,396	20,440	24,733	29,927	36,212	43,816	53,017	64,151	77,623	93,923	113,647	137,513

Note: % growth after year 5

CASHFLOW PROJECTION	Yr. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Inflow															
Sales	0	2,044	16,352	18,396	20,440	24,733	29,927	36,212	43,816	53,017	64,151	77,623	93,923	113,647	137,513
Farmers' Contribution	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751	9,751
Loan- Investment	35,000														
Loan- Working capital	3,730	5,369	6,727	7,976	8,982	8,982	8,982	8,982	0	0	0	0	0	0	0
Total	48,481	17,164	32,830	36,123	39,173	43,465	48,659	54,944	53,566	62,768	73,901	87,373	103,674	123,398	147,264
Outflow															
Investment/Replacement	35,000														
Recurrent costs	13,481	16,995	19,515	22,043	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456
Total	48,481	16,995	19,515	22,043	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456
Net income before debt	0	169	13,315	14,080	14,717	19,010	24,203	30,488	29,111	38,312	49,446	62,917	79,218	98,942	122,808
Loan outstanding															
Principles Investment	35,000	28,000	21,000	14,000	7,000	0	0	0	0	0	0	0	0	0	0
Recurrent costs	3,730	5,369	6,727	7,976	8,982	8,982	8,982	8,982	0	0	0	0	0	0	0
Interests Investment	6,300	5,040	3,780	2,520	1,260	0	0	0	0	0	0	0	0	0	0
Recurrent costs	671	966	1,211	1,436	1,617	1,617	1,617	1,617	0	0	0	0	0	0	0
Debt service															
Principles Investment	7,000	7,000	7,000	7,000	7,000	0	0	0	0	0	0	0	0	0	0
Recurrent costs	3,730	5,369	6,727	7,976	8,982	8,982	8,982	8,982	0	0	0	0	0	0	0
Interests Investment	6,300	5,040	3,780	2,520	1,260	0	0	0	0	0	0	0	0	0	0
Recurrent costs	671	966	1,211	1,436	1,617	1,617	1,617	1,617	0	0	0	0	0	0	0
Net income after debt service	-17,701	-18,207	-5,403	-4,852	-4,142	8,411	13,605	19,889	29,111	38,312	49,446	62,917	79,218	98,942	122,808
Cumulative net income	-17,701	-35,908	-23,610	-10,255	-8,994	4,269	22,016	33,494	49,000	67,422	87,757	112,363	142,135	178,160	221,750

FINANCIAL ANALYSIS															
Revenue from sales	In '000 peso	0.000	2.044	16.352	18.396	20.440	24.733	29.927	36.212	43.816	53.017	64.151	77.623	93.923	113.647	137.513
Cash outflow	In '000 peso	48.481	16.995	19.515	22.043	24.456	24.456	24.456	24.456	24.456	24.456	24.456	24.456	24.456	24.456	24.456
Net Production Value	In '000 peso	**-48.481**	**-14.951**	**-3.163**	**-3.647**	**-4.015**	**0.277**	**5.471**	**11.756**	**19.360**	**28.561**	**39.695**	**53.167**	**69.467**	**89.191**	**113.057**

NPW (15%) 15,219 peso
FIRR 17%

TABLE J-17-B : ECONOMIC ANALYSIS OF CALAMANSI PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit	Growth		Yr. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. All activities		150	10		52	78	85	94	103	103	103	103	103	103	103	103	103	103	103
Total		150	1.1		52	78	85	94	103	103	103	103	103	103	103	103	103	103	103
		280			7														
Total Labor Costs	0.6			9,751	5,850	6,975	7,673	8,440	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284

B.INVESTMENT ('000 peso)	SER-CF	P/unit	Qty	F.A.	Yr.1	2	3
1. Seedlings		47	741		35,000		
Total	1.0			35,000	35,000		

C. RECURRENT COSTS	SER-CF	P/unit	Qty	F.A.															
1. Urea	1.2			390	468	1,001	1,542	1,942	2,393	2,393	2,393	2,393	2,393	2,393	2,393	2,393	2,393	2,393	2,393
2. Complete	1.2			0	0	734	1,031	1,356	1,714	1,714	1,714	1,714	1,714	1,714	1,714	1,714	1,714	1,714	1,714
3. Ammosol	1.2			0	0	212	340	474	629	629	629	629	629	629	629	629	629	629	629
4. Organic	1.2			89	107	134	167	197	235	235	235	235	235	235	235	235	235	235	235
5. Foliar	1.2			151	181	196	317	342	370	370	370	370	370	370	370	370	370	370	370
6. Pesticide	1.2			600	720	1,165	1,676	2,261	2,438	2,438	2,438	2,438	2,438	2,438	2,438	2,438	2,438	2,438	2,438
7. Tools & supplies	1.0			2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
8. Labor				9,751	5,850	6,975	7,673	8,440	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284	9,284
Total				13,481	9,826	12,918	15,245	17,511	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563

D. RETURN (Peso)	SER-CF	P/unit	Growth	F.A.															
Production (kg)			21	%growth	0	197	1,574	1,771	1,967	2,380	2,880	3,485	4,217	5,103	6,174	7,471	9,040	10,938	13,235
Total	1.0	10.39	1.21	Factor	0	2,044	16,352	18,396	20,440	24,733	29,927	36,212	43,816	53,017	64,151	77,623	93,923	113,647	137,513

Note: % growth after year 5

CASHFLOW PROJECTION					Yr. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Inflow																			
Sales					0	2,044	16,352	18,396	20,440	24,733	29,927	36,212	43,816	53,017	64,151	77,623	93,923	113,647	137,513
Total					0	2,044	16,352	18,396	20,440	24,733	29,927	36,212	43,816	53,017	64,151	77,623	93,923	113,647	137,513
Outflow																			
Investment/Replacement					35,000														
Recurrent costs					9,826	12,918	15,245	17,511	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563
Total					44,826	12,918	15,245	17,511	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563	19,563

ECONOMIC ANALYSIS																			
Revenue from sales	In '000 peso				0.000	2.044	16.352	18.396	20.440	24.733	29.927	36.212	43.816	53.017	64.151	77.623	93.923	113.647	137.513
Cash outflow	In '000 peso				44.826	12.918	15.245	17.511	19.563	19.563	19.563	19.563	19.563	19.563	19.563	19.563	19.563	19.563	19.563
Net Production Value	In '000 peso				-44.826	-10.874	1.107	0.885	0.878	5.170	10.364	16.649	24.253	33.455	44.588	58.060	74.361	94.085	117.950

TABLE J-18A:FINANCIAL ANALYSIS OF WATERMELON PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	Unit	P/unit	Qty		Yr. 1	2	3	4	5-25
1. Family & hired labor					112	112	112	112	112
Total	md	100			112	112	112	112	112
	mad	2,000			2,000	2,000	2,000	2,000	2,000
Total Labor Costs	peso				**13,163**	**13,163**	**13,163**	**13,163**	**13,163**

B.INVESTMENT ('000 peso)	Unit	P/unit	Qty		Yr.1	2	3
1. Farm machineries	set	0	0		0		
2. Others	set	500	1		500		
Total	peso				**500**		

C. RECURRENT COSTS	Unit	P/unit	Qty		Yr.1	2	3	4	5
1. Seeds					894	894	894	894	894
2. Fertilizer					2231	2,231	2,231	2,231	2,231
3. Pesticide					1,208	1,208	1,208	1,208	1,208
4. Fuel & oil					414	414	414	414	414
5. Transportation					35	35	35	35	35
6. Farm implements	set	2,000	1		2,000	2,000	2,000	2,000	2,000
7. Labor					13,163	13,163	13,163	13,163	13,163
Total	peso				**19,945**	**19,945**	**19,945**	**19,945**	**19,945**

D. RETURN ('000 peso)	Unit	P/unit	Qty						
Production	kg	1.40			14,713	14,713	14,713	14,713	14,713
Total	peso				**20,598**	**20,598**	**20,598**	**20,598**	**20,598**

CASHFLOW PROJECTION				% Share	Yr. 1	2	3	4	5
Inflow									
Sales					20,598	20,598	20,598	20,598	20,598
Farmers contribution				1.0	13,163	13,163	13,163	13,163	13,163
Loans									
- Investment					0				
- Working capital					6,782	6,782	6,782	6,782	6,782
Total					40,543	40,543	40,543	40,543	40,543
Outflow									
Investment/Replacement					500				
Recurrent costs					19,945	19,945	19,945	19,945	19,945
Total					**20,445**	**19,945**	**19,945**	**19,945**	**19,945**
Net income before debt					20,098	20,598	20,598	20,598	20,598
Loan outstanding									
Principles	Investment				0	0	0	0	0
	Recurrent costs				6,782	6,782	13,564	6,782	6,782
Interests	Investment	18	0.18		0	0	0	0	0
	Recurrent costs	18	0.18		1,221	1,221	2,442	1,221	1,221
Debt service									
Principles	Investment	5	yrs		0	0	0	0	0
	Recurrent costs				6,782	0	13,564	6,782	6,782
Interests	Investment				0	0	0	0	0
	Recurrent costs				1,221	1,221	2,442	1,221	1,221
Net income after debt service					12,095	19,377	4,593	12,595	12,595
Cumulative net income					12,095	31,473	36,066	48,661	61,256

FINANCIAL ANALYSIS									
Revenue from sales	In '000 peso				20.598	20.598	20.598	20.598	20.598
Cash outflow	In '000 peso				20.445	19.945	19.945	19.945	19.945
Net Production Value	In '000 peso				**0.153**	**0.653**	**0.653**	**0.653**	**0.653**

NPW (15%) 1,755 peso

TABLE J-18B : ECONOMIC ANALYSIS OF WATERMELON PRODUCTION IN ISABELA

A. LABOR REQUIREMENT	SER-CF	P/unit	Qty	F.A.	Yr. 1	2	3	4	5-25
1. Family & hired labor					112	112	112	112	112
Total -md		100			112	112	112	112	112
-mad		2,000			2,000	2,000	2,000	2,000	2,000
Total Labor Costs	0.6			13,163	**7,898**	**7,898**	**7,898**	**7,898**	**7,898**

B.INVESTMENT ('000 peso)	SER-CF	P/unit	Qty	F.A.	Yr.1	2	3
1. Farm machineries	1.2	0	0	0	0		
2. Others	1.2	500	1	500	600		
Total	peso				**600**		

C. RECURRENT COSTS	SER-CF	P/unit	Qty	F.A.	Yr.1	2	3	4	5
1. Seeds	1.0			894	894	894	894	894	894
2. Fertilizer	1.2			2,231	2,677	2,677	2,677	2,677	2,677
3. Pesticide	1.2			1,208	1,450	1,450	1,450	1,450	1,450
4. Fuel & oil	1.2			414	497	497	497	497	497
5. Transportation	1.2			35	42	42	42	42	42
6. Farm implements	1.0	2,000	1	2,000	2,000	2,000	2,000	2,000	2,000
7. Labor				13,163	7,898	7,898	7,898	7,898	7,898
Total (peso)				19,945	**15,457**	**15,457**	**15,457**	**15,457**	**15,457**

D. RETURN ('000 peso)	SER-CF	P/unit	Qty	F.A.					
Production (kg)					14,713	14,713	14,713	14,713	14,713
Total	1.0	1.40		20,598	**20,598**	**20,598**	**20,598**	**20,598**	**20,598**

CASHFLOW PROJECTION	% Share	Yr. 1	2	3	4	5
Inflow						
Sales		20,598	20,598	20,598	20,598	20,598
Total		20,598	20,598	20,598	20,598	20,598
Outflow						
Investment/Replacement		600				
Recurrent costs		15,457	15,457	15,457	15,457	15,457
Total		**16,057**	**15,457**	**15,457**	**15,457**	**15,457**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	20.598	20.598	20.598	20.598	20.598
Cash outflow	In '000 peso	16.057	15.457	15.457	15.457	15.457
Net Production Value	In '000 peso	4.541	5.141	5.141	5.141	5.141

NPW (15%) 17 peso

TABLE J-19A:FINANCIAL ANALYSIS OF POMELO PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	Unit	P/unit			Yr. 1	2	3	4	5	6	7	8	9	10
0. Establishment		150			17,600									
1. Weeding		150			1,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200
2. Fertilization		150			600	600	600	600	600	600	600	600	600	600
3. Spaying		150			1,600	2,400	2,400	2,400	3,200	3,200	3,200	4,000	4,000	4,000
4. Watering		150			800									
5. Pruning		150					400							
6. Harvesting		150							2,400	2,400	2,400	3,000	3,000	3,000
Total md	md	150			21,800	10,200	10,600	10,200	13,400	13,400	13,400	14,800	14,800	14,800
Total Labor Costs	peso				21,800	10,200	10,600	10,200	13,400	13,400	13,400	14,800	14,800	14,800

B.INVESTMENT	Unit	P/unit	Qty		Yr-1	2	3
1.Establishment	ea	5,000	1		5,000		
2.Seedlings	set	0	0		0		
3.Others	set	0	0		0		
Total	peso				5,000		

C. RECURRENT COSTS	Unit				Yr.1	2	3	4	5	6	7	8	9	10
1. Fertilizer					4,200	3,130	5,010	3,130	6,250	6,250	6,250	9,380	9,380	9,380
2. Insecticides					350	680	1,010	1,360	1,790	1,790	1,790	4,200	4,200	4,200
3. Fungicides					400	1,000	950	1,900	2,300	2,300	2,300	3,500	3,500	3,500
4. Wooden crates/kaings					0	0	0	0	13,125	13,125	13,125	15,725	15,725	15,725
5. Farm implements	set	2,000	1		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
6. Labor					21,800	10,200	10,600	10,200	13,400	13,400	13,400	14,800	14,800	14,800
Total	peso				28,750	17,010	19,570	18,590	38,865	38,865	38,865	49,605	49,605	49,605

D. RETURN ('000 peso)	Unit	P/unit	Qty											
1. Production	fruit/tree				0	0	0	0	10	20	40	80	160	150
	tree/ha		150		0	0	0	0	1,500	3,000	6,000	12,000	24,000	22,500
Total	peso	10			0	0	0	0	15,000	30,000	60,000	120,000	240,000	225,000

CASHFLOW PROJECTION				%share	Yr. 1	2	3	4	5	6	7	8	9	10
Inflow														
Sales					0	0	0	0	15,000	30,000	60,000	120,000	240,000	225,000
Farmers' contribution				1.0	21,800	10,200	10,600	10,200	13,400	13,400	13,400	14,800	14,800	14,800
Loans														
- Investment					5,000									
- Working capital					6,950	6,810	8,970	8,390	25,465	25,465	25,465	34,805	34,805	34,805
Total					33,750	17,010	19,570	18,590	53,865	68,865	98,865	169,605	289,605	274,605
Outflow														
Investment/Replacement					5,000									
Recurrent costs					28,750	17,010	19,570	18,590	38,865	38,865	38,865	49,605	49,605	49,605
Total					33,750	17,010	19,570	18,590	38,865	38,865	38,865	49,605	49,605	49,605
Net income before debt					0	0	0	0	15,000	30,000	60,000	120,000	240,000	225,000
Loan outstanding														
Principles	Investment				5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	Recurrent costs				6,950	15,011	26,683	39,876	72,519	97,583	112,249	108,985	45,223	34,805
Interests	Investment	18	0.18		900	900	900	900	900	900	900	900	900	900
	Recurrent costs	18	0.18		1,251	2,702	4,803	7,178	13,053	17,565	20,205	19,617	8,140	6,265
Debt service														
Principles	investment		yrs		0	0	0	0	0	0	0	0	0	5,000
	Recurrent costs				0	0	0	0	401	10,799	38,069	98,567	45,223	34,805
Interests	Investment				0	0	0	0	900	900	900	900	900	900
	Recurrent costs				0	0	0	0	13,053	17,565	20,205	19,617	8,140	6,265
Net income after debt service					0	0	0	0	646	736	826	916	185,737	178,030
Cumulative net income					0	0	0	0	646	1,382	2,208	3,124	188,861	366,891
FINANCIAL ANALYSIS														
Revenue from sales	in '000 peso				0.000	0.000	0.000	0.000	15.000	30.000	60.000	120.000	240.000	225.000
Cash outflow	in '000 peso				33.750	17.010	19.570	18.590	38.865	38.865	38.865	49.605	49.605	49.605
Net Production Value	in '000 peso				-33.750	-17.010	-19.570	-18.590	-23.865	-8.865	21.135	70.395	190.395	175.395

NPW (15%)	47,031	peso
FIRR	23	%

TABLE J-19B : ECONOMIC ANALYSIS OF POMELO PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT	SER-CF	P/unit	Qty	F.A.	Yr. 1	2	3	4	5	6	7	8	9	10
0. Establishment		150			17,600									
1. Weeding		150			1,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200
2. Fertillzation		150			600	600	600	600	600	600	600	600	600	600
3. Spaying		150			1,600	2,400	2,400	2,400	3,200	3,200	3,200	4,000	4,000	4,000
4. Watering		150			800									
5. Pruning		150					400							
6. Harvesting		150							2,400	2,400	2,400	3,000	3,000	3,000
Total md		150			21,800	10,200	10,600	10,200	13,400	13,400	13,400	14,800	14,800	14,800
Total Labor Costs	0.6			21,800	**13,080**	**6,120**	**6,360**	**6,120**	**8,040**	**8,040**	**8,040**	**8,880**	**8,880**	**8,880**

B.INVESTMENT	SER-CF	P/unit	Qty	F.A.	Yr-1	2	3
1.Establishment	1.2	5,000	1	5,000	6,000		
2.Seedlings	1.0	0	0	0	0		
3.Others	1.0	0	0	0	0		
Total				5,000	**6,000**		

C. RECURRENT COSTS	SER-CF	P/unit	Qty	F.A.	Yr.1	2	3	4	5	6	7	8	9	10
1. Fertilizer	1.2			4,200	5,040	3,756	6,012	3,756	7,500	7,500	7,500	11,256	11,256	11,256
2. Insecticides	1.2			350	420	816	1,212	1,632	2,148	2,148	2,148	5,040	5,040	5,040
3. Fungicides	1.2			400	480	1,200	1,140	2,280	2,760	2,760	2,760	4,200	4,200	4,200
4. Wooden crates/kaings	1.0			0	0	0	0	0	13,125	13,125	13,125	15,725	15,725	15,725
5. Farm implements	1.0	2,000	1	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
6. Labor				21,800	13,080	6,120	6,360	6,120	8,040	8,040	8,040	8,880	8,880	8,880
Total				28,750	**21,020**	**13,892**	**16,724**	**15,788**	**35,573**	**35,573**	**35,573**	**47,101**	**47,101**	**47,101**

D. RETURN ('000 peso)	SER-CF	P/unit	Qty	F.A.										
1. Production-fruit/tree					0	0	0	0	10	20	40	80	160	150
-tree/ha			150		0	0	0	0	1,500	3,000	6,000	12,000	24,000	22,500
Total	1.0	10		0	0	0	0	0	15,000	30,000	60,000	120,000	240,000	225,000

CASHFLOW PROJECTION	%share	Yr. 1	2	3	4	5	6	7	8	9	10
Inflow											
Sales		0	0	0	0	15,000	30,000	60,000	120,000	240,000	225,000
Total		**0**	**0**	**0**	**0**	**15,000**	**30,000**	**60,000**	**120,000**	**240,000**	**225,000**
Outflow											
Investment/Replacement		6,000									
Recurrent costs		21,020	13,892	16,724	15,788	35,573	35,573	35,573	47,101	47,101	47,101
Total		**27,020**	**13,892**	**16,724**	**15,788**	**35,573**	**35,573**	**35,573**	**47,101**	**47,101**	**47,101**

ECONOMIC ANALYSIS										
Revenue from sales	in '000 peso	0.000	0.000	0.000	0.000	15.000	30.000	60.000	120.000	240.000	225.000
Cash outflow	in '000 peso	27.020	13.892	16.724	15.788	35.573	35.573	35.573	47.101	47.101	47.101
Net Production Value	in '000 peso	-27.020	-13.892	-16.724	-15.788	-20.573	-5.573	24.427	72.899	192.899	177.899

NPW (15%)	65,161	peso
EIRR	28	%

TABLE J- 20 A :FINANCIAL ANALYSIS OF ORCHID PRODUCTION IN ISABELA

(One unit of 369.75 sq meter)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity		Yr.1	2	3	4	5-25
1. Family labor	md	100			19.44	19.44	19.44	19.44	19.44
2. Hired labor	md	100			23.03	23.03	23.03	23.03	23.03
Total	md				42.47	42.47	42.47	42.47	42.47
Total Labor Costs	peso	100			4,247	4,247	4,247	4,247	4,247
B.INVESTMENT (peso)	**Unit**	**P/unit**	**Quantity**		**Yr.1**	**2**	**3**		
1. Green house	ea	40,000	1	Chk	40,000				
2. Farm machineries	set	10,000	1		10,000				
3. Mother plants	set	149	2		356				
Total					50,356				
C. RECURRENT COSTS	**Unit**	**P/unit**	**Quantity**		**Yr.1**	**2**	**3**	**4**	**5**
1. Inorganic fertilizer	kg	7.65	6.23		48	48	48	48	48
2. Organic fertilizer	kg	0.52	156.24		81	81	81	81	81
3. Pesticide-liquid	ltr	82.76	1.06		88	88	88	88	88
4. Pesticide-solid	kg	271.43	0.26		70	70	70	70	70
5. Hormone	kg	181.82	0.40		73	73	73	73	73
6. Electricity					2,556	2,556	2,556	2,556	2,556
7. Fuel & oil					1,196	1,196	1,196	1,196	1,196
8. Repair & maintenance					1,042	1,042	1,042	1,042	1,042
9. Water bill					77	77	77	77	77
10. Farm implements	set	5,000	1		5,000	5,000	5,000	5,000	5,000
11. Labor					4,247	4,247	4,247	4,247	4,247
Total Cost	peso				14,477	14,477	14,477	14,477	14,477
	Unit	**P/unit**	**Quantity**						
D. RETURN (peso)				P/unit					
1. Plants	ea	146.59	110.58		16,210	16,210	16,210	16,210	16,210
2. Cut flowers	doz	94.18	112.34		10,581	10,581	10,581	10,581	10,581
Total					26,791	26,791	26,791	26,791	26,791
CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					26,791	26,791	26,791	26,791	26,791
Farmers' contribution					4,247	4,247	4,247	4,247	4,247
Loans									
- Investment					50,356				
- Working capital					10,230	10,230	10,230	10,230	10,230
Total					91,624	41,268	41,268	41,268	41,268
Outflow									
Investment/Replacement					50,356				
Recurrent costs					14,477	14,477	14,477	14,477	14,477
Total					64,833	14,477	14,477	14,477	14,477
Net income before debt					26,791	26,791	26,791	26,791	26,791
Loan outstanding									
Principles	Investment				50,356	44,761	39,166	33,571	27,976
	Recurrent costs				10,230	10,230	10,230	10,230	10,230
Interests	Investment	18	% =	0.18	9,064	8,057	7,050	6,043	5,036
	Recurrent costs	18	% =	0.18	1,841	1,841	1,841	1,841	1,841
Debt service									
Principles	Investment	9	yrs		5,595	5,595	5,595	5,595	5,595
	Recurrent costs				10,230	10,230	10,230	10,230	10,230
Interests	Investment				9,064	8,057	7,050	6,043	5,036
	Recurrent costs				1,841	1,841	1,841	1,841	1,841
Net income after debt service					61	1,068	2,075	-3,082	4,089
Cumulative net income					61	1,128	3,203	6,285	10,375
FINANCIAL ANALYSIS									
Revenue from sales					26,791	26,791	26,791	26,791	26,791
Cash outflow					64,833	14,477	14,477	14,477	14,477
Net Production Value	In '000 peso				-38,042	12,314	12,314	12,314	12,314

TABLE J- 20 B :ECONOMIC ANALYSIS OF ORCHID PRODUCTION IN ISABELA

(One unit of 366.75 sq.meter)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Family labor		100			19.44	19.44	19.44	19.44	19.44
2. Hired labor		100			23.03	23.03	23.03	23.03	23.03
Total					42.47	42.47	42.47	42.47	42.47
Total Labor Costs	0.6	100		4,247	2,548	2,548	2,548	2,548	2,548

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1. Green house	1.0	40,000	1	40,000	40,000		
2. Farm machineries	1.2	10,000	1	10,000	12,000		
3. Mother plants	1.0	149	2	356	356		
Total					52,356		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Inorganic fertilizer	1.2	7.65	6.23	48	57	57	57	57	57
2. Organic fertilizer	1.2	0.52	156.24	81	97	97	97	97	97
3. Pesticide-liquid	1.2	82.76	1.06	88	106	106	106	106	106
4. Pesticide-solid	1.2	271.43	0.26	70	84	84	84	84	84
5. Hormone	1.2	181.82	0.40	73	88	88	88	88	88
6. Electricity	1.0			2,556	2,556	2,556	2,556	2,556	2,556
7. Fuel & oil	1.2			1,196	1,435	1,435	1,435	1,435	1,435
8. Repair & maintenance	1.2			1,042	1,250	1,250	1,250	1,250	1,250
9. Water bill	1.0			77	77	77	77	77	77
10. Farm implements	1.0	5,000	1	5,000	5,000	5,000	5,000	5,000	5,000
11. Labor	0.6			4,247	2,548	2,548	2,548	2,548	2,548
Total Cost	peso				13,297	13,297	13,297	13,297	13,297

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
1. Plants	1.0	146.59	110.58	16,210	16,210	16,210	16,210	16,210	16,210
2. Cut flowers	1.0	94.18	112.34	10,581	10,581	10,581	10,581	10,581	10,581
Total					26,791	26,791	26,791	26,791	26,791

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	26,791	26,791	26,791	26,791	26,791
Total	26,791	26,791	26,791	26,791	26,791
Outflow					
Investment/Replacement	52,356				
Recurrent costs	13,297	13,297	13,297	13,297	13,297
Total	65,653	13,297	13,297	13,297	13,297

ECONOMIC ANALYSIS						
Revenue from sales		26,791	26,791	26,791	26,791	26,791
Cash outflow		65,653	13,297	13,297	13,297	13,297
Net Production Value	In '000 peso	-38,862	13,494	13,494	13,494	13,494

TABLE 21-A :FINANCIAL ANALYSIS OF ANTHURIUM PRODUCTION IN ISABELA

(One unit of 362.44 sq.meter)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity		Yr. 1	2	3	4	5-25
1. Family labor		100			21.93	21.93	21.93	21.93	21.93
2. Hired labor		100			22.72	22.72	22.72	22.72	22.72
Total	md				44.65	44.65	44.65	44.65	44.65
Total Labor Costs	peso	100			4,465	4,465	4,465	4,465	4,465
B.INVESTMENT (peso)	**Unit**	**P/unit**	**Quantity**		**Yr.1**	**2**	**3**		
1. Green house	ea	40,000	1		40,000				
2. Farm machineries	set	10,000	1		10,000				
3. Mother plants	set	150	4		623				
Total	peso				50,623				
C. RECURRENT COSTS	**Unit**	**P/unit**	**Quantity**		Yr.1	2	3	4	5
1. Inorganic fertilizer	kg	7.65	4.17		32	32	32	32	32
2. Organic fertilizer	kg	0.52	165.27		85	85	85	85	85
3. Pesticide-liquid	ltr	82.76	1.01		84	84	84	84	84
4. Pesticide-solid	kg	271.43	0.43		118	118	118	118	118
5. Hormone	kg	181.82	0.40		73	73	73	73	73
6. Electricity					105	105	105	105	105
7. Fuel & oil					58	58	58	58	58
8. Repair & maintenance					51	51	51	51	51
9. Water bill					18	18	18	18	18
10. Farm implements	set	5,000	1		5,000	5,000	5,000	5,000	5,000
11. Labor					4,465	4,465	4,465	4,465	4,465
Total Cost	peso				10,090	10,090	10,090	10,090	10,090
D. RETURN	**Unit**	**P/unit**	**Quantity**						
1. Plants	ea	149.58	123.77		18,513	18,513	18,513	18,513	18,513
2. Cut flowers	doz	77.83	94.16		7,330	7,330	7,330	7,330	7,330
Total	peso				25,843	25,843	25,843	25,843	25,843
CASHFLOW PROJECTION					Yr. 1	2	3	4	5
Inflow									
Sales					25,843	25,843	25,843	25,843	25,843
Farmers' contribution	All labor				4,465	4,465	4,465	4,465	4,465
Loans									
- Investment					50,623				
- Working capital					5,625	5,625	5,625	5,625	5,625
Total					86,556	35,933	35,933	35,933	35,933
Outflow									
Investment/Replacement					50,623				
Recurrent costs					10,090	10,090	10,090	10,090	10,090
Total					60,713	10,090	10,090	10,090	10,090
Net income before debt					25,843	25,843	25,843	25,843	25,843
Loan outstanding									
Principles	Investment				50,623	40,499	30,374	20,249	10,125
	Recurrent costs				5,625	5,625	11,249	5,625	5,625
Interests	Investment	18	%=	0.18	9,112	7,290	5,467	3,645	1,822
	Recurrent costs	18	%=	0.18	1,012	1,012	2,025	1,012	1,012
Debt service									
Principles	Investment	5		yrs	10,125	10,125	10,125	10,125	10,125
	Recurrent costs				5,625	0	11,249	5,625	5,625
Interests	Investment				9,112	7,290	5,467	3,645	1,822
	Recurrent costs				1,012	1,012	2,025	1,012	1,012
Net income after debt service					-31	7,416	-3,023	5,437	7,259
Cumulative net income					-31	7,386	4,363	9,799	17,058
FINANCIAL ANALYSIS									
Revenue from sales					25,843	25,843	25,843	25,843	25,843
Cash outflow					60,713	10,090	10,090	10,090	10,090
Net Production Value					-34,870	15,753	15,753	15,753	15,753

TABLE 21-B : ECONOMIC ANALYSIS OF ANTHURIUM PRODUCTION IN ISABELA

(One unit of 362.44 sq.meter)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Family labor		100			21.93	21.93	21.93	21.93	21.93
2. Hired labor		100			22.72	22.72	22.72	22.72	22.72
Total md					44.65	44.65	44.65	44.65	44.65
Total Labor Costs	0.6	100		4,465	2,679	2,679	2,679	2,679	2,679

B.INVESTMENT	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1. Green house	1.0	40,000	1	40,000	40,000		
2. Farm machineries	1.2	10,000	1	10,000	12,000		
3. Mother plants	1.0	150	4	623	623		
Total (peso)					52,623		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Inorganic fertilizer	1.2	7.65	4.17	32	38	38	38	38	38
2. Organic fertilizer	1.2	0.52	165.27	85	102	102	102	102	102
3. Pesticide-liquid	1.2	82.76	1.01	84	101	101	101	101	101
4. Pesticide-solid	1.2	271.43	0.43	118	142	142	142	142	142
5. Hormone	1.2	181.82	0.40	73	88	88	88	88	88
6. Electricity	1.0			105	105	105	105	105	105
7. Fuel & oil	1.2			58	70	70	70	70	70
8. Repair & maintenance	1.2			51	61	61	61	61	61
9. Water bill	1.0			18	18	18	18	18	18
10. Farm implements	1.0			5,000	5,000	5,000	5,000	5,000	5,000
11. Labor					2,679	2,679	2,679	2,679	2,679
Total Cost (peso)					8,404	8,404	8,404	8,404	8,404

D. RETURN	SER-CF	P/unit	Quantity	F.A.					
1. Plants	1.0	149.58	123.77	18,513	18,513	18,513	18,513	18,513	18,513
2. Cut flowers	1.0	77.83	94.18	7,330	7,330	7,330	7,330	7,330	7,330
Total (peso)					25,843	25,843	25,843	25,843	25,843

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	25,843	25,843	25,843	25,843	25,843
Total	25,843	25,843	25,843	25,843	25,843
Outflow					
Investment/Replacement	52,623				
Recurrent costs	8,404	8,404	8,404	8,404	8,404
Total	61,027	8,404	8,404	8,404	8,404

FINANCIAL ANALYSIS						
Revenue from sales		25.843	25.843	25.843	25.843	25.843
Cash outflow		61,027	8,404	8,404	8,404	8,404
Net Production Value	In '000 peso	-35.184	17.439	17.439	17.439	17.439

TABLE 22-A :FINANCIAL ANALYSIS OF DENDROBIUM PRODUCTION IN ISABELA

(One unit of 100 sq.meter)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr.1	2	3	4	5-25
1. Family labor	hr			730	730	730	730	730
Total Labor Costs	peso	20		14,600	14,600	14,600	14,600	14,600

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Yr.1	2	3
1. Bed (1x5m)	ea	1,200	14	16,800		
2. Sprayer	set	1,600	1	1,600		
3. Hose (18x20m)	set	360	1	360		
4. Pruning sheer	ea	400	1	400		
5. Net	roll	2,400	1	2,400		
6. Structure including labor	set	10,000	1	10,000		
7. Planting materials	ea	10	1,260	12,600		
Total				44,160		

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Pot#2		3.50	1,260	4,410				
2. Pot#6		5.50	1,260		6,930			
3. Charcoal		100.00	18	300	500		1,000	
4. Coconut husk		50.00	20	200	300	0	500	
5. 18-18-18				400	400	500	600	600
6. Fungicide				500	500	500	500	500
7. Insecticides				500	500	500	500	500
8. Miticide				500	500	500	500	500
9. Water/electricity				1,800	1,800	1,800	1,800	1,800
10. Farm implements		5,000	1	5,000	5,000	5,000	5,000	5,000
11. Labor				14,600	14,600	14,600	14,600	14,600
Total Cost				23,800	24,100	23,400	25,000	23,500

D. RETURN (peso)	Unit	P/unit	Quantity					
No of Stalks/Plant				0	4	12	10	10
Total no. of stalks.	100 sq.ft.	8.00.		0	4,800	14,400	12,000	12,000
1. Cut flowers (90%)		10.00		0	4,320	12,960	10,800	10,800
Total	peso			0	34,560	129,600	108,000	108,000

CASHFLOW PROJECTION		Yr. 1	2	3	4	5
Inflow						
Sales		0	34,560	129,600	108,000	108,000
Farmers' contribution	All labor	14,600	14,600	14,600	14,600	14,600
Loans						
- Investment		44,160				
- Working capital		9,200	9,500		0	0
Total		67,960	58,660	144,200	122,600	122,600
Outflow						
Investment/Replacement		44,160				
Recurrent costs		23,800	24,100	23,400	25,000	23,500
Total		67,960	24,100			
Net income before debt		0	34,560	120,800	97,600	99,100
Loan outstanding						
Principles	Investment	44,160	44,160	41,337	0	0
	Recurrent costs	9,200	20,356	0	0	0
Interests	Investment	7,949	7,949	7,441	0	0
	Recurrent costs	1,656	3,664	0	0	0
Debt service						
Principles	Investment	0	2,823	41,337		0
	Recurrent costs	0	20,356	0	0	0
Interests	Investment	0	7,949	7,441	0	0
	Recurrent costs	0	3,664	0	0	0
Net income after debt service		0	-232	72,022	97,600	99,100
Cumulative net income		0	-232	71,790	169,390	268,490
FINANCIAL ANALYSIS						
Revenue from sales	In '000 peso	0.000	34.560	129.600	108.000	,108.000
Cash outflow	In '000 peso	67.960	24.100	23.400	25.000	23.500
Net Production Value	In '000 peso					

TABLE 22-B :ECONOMIC ANALYSIS OF DENDROBIUM PRODUCTION IN ISABELA

(One unit of 100 sq.meter)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Family labor (hr)					730	730	730	730	730
Total Labor Cost (peso)	0.6	20	730	14,600	8,760	8,760	8,760	8,760	8,760

B.INVESTMENT	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1. Bed (1x5m)				16,800			
2. Sprayer				1,600			
3. Hose (18x20m)				360			
4. Pruning sheer				400			
5. Net				2,400			
6. Structure including labor				10,000			
7. Planting materials				12,600			
Total Investment (peso)	1.0			44,160	44,160		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Pot # 2	1.0	3.50	1,260	4,410	4,410				
2. Pot # 6	1.0	5.50	1,260	0		6,930			
3. Charcoal	1.0	100.00	18	300	300	500		1,000	
4. Coconut husk	1.0	50.00	20	200	200	300	0	500	
5. 18-18-18	1.2			400	400	400	500	600	600
6. Fungicide	1.2			500	500	500	500	500	500
7. Insecticides	1.2			500	500	500	500	500	500
8. Miticide	1.2			500	500	500	500	500	500
9. Water/electricity	1.0			1,800	1,800	1,800	1,800	1,800	1,800
10. Farm Implements	1.0			5,000	2,472	2,472	2,472	2,472	2,472
11. Labor				14,600	8,760	8,760	8,760	8,760	8,760
Total Cost (peso)				23,600	15,432	15,732	15,032	16,632	15,132

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
No of Stalks/Plant					0	4	12	10	10
Total no. of stalks		8.00			0	4,800	14,400	12,000	12,000
1. Cut flowers (90%)		10.00			0	4,320	12,960	10,800	10,800
Total Return (peso)	1.0				0	34,560	129,600	108,000	108,000

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	0	34,560	129,600	108,000	108,000
Total	0	34,560	129,600	108,000	108,000
Outflow					
Investment/Replacement	44,160				
Recurrent costs	15,432	15,732	15,032	16,632	15,132
Total	59,592	15,732	15,032	16,632	15,132

ECONOMIC ANALYSIS					
Revenue from sales	0.000	34,560	129,600	108,000	108,000
Cash outflow	59,592	15,732	15,032	16,632	15,132
Net Production Value (In '000 peso)	-59,592	18,828	114,568	91,368	92,868

TABLE 23-A :FINANCIAL ANALYSIS OF ROSE PRODUCTION IN ISABELA

(One unit of 2,500 sq.meter)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr.1	2	3	4	5-25
1.Cleaning	mad	250	6	1,500	1,500	1,500	1,500	1,500
2.Land preparation	mad	250	3	750	750	750	750	750
3.Digging	hole	2	6,000	12,000	12,000	12,000	12,000	12,000
4.Planting	md	2	6,000	12,000	12,000	12,000	12,000	12,000
5.Weeding	md	200	12	2,400	2,400	2,400	2,400	2,400
6.Fertilizing	md	150	12	1,800	1,800	1,800	1,800	1,800
7.Splaying	md	200	24	4,800	4,800	4,800	4,800	4,800
8.Prunning	md	200	24	4,800	4,800	4,800	4,800	4,800
9.Watering	month	1,000	12	12,000	12,000	12,000	12,000	12,000
10.Harvesting	md	200	240	48,000	48,000	48,000	48,000	48,000
Total Labor Costs	peso			100,050	100,050	100,050	100,050	100,050

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Yr.1	2	3
1.Marcotted plants	ea	30	6,000	180,000		
2.Farm machineries	set	10,000	1	10,000		
Total				190,000		

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Insecticide				3,000	4,000	4,000	4,000	4,000
2. Fungicide				3,000	4,000	4,000	4,000	4,000
3. Fertilizers	bag	8-12	450	3,600	5,400	5,400	5,400	5,400
4. Horse manure	sacks	20-30	20	400	600	600	600	600
5. Water	month	12	1,000	12,000	12,000	12,000	12,000	12,000
6. Farm implements	set	5,000	1	5,000	5,000	5,000	5,000	5,000
7. Labor				100,050	100,050	100,050	100,050	100,050
Total Cost				121,050	123,050	123,050	123,050	123,050

D. RETURN (peso)	Unit	P/unit	Quantity					
1. Flowers	doz			3,000	6,000	6,000	6,000	6,000
Total	peso	150.00		450,000	900,000	900,000	900,000	900,000

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				450,000	900,000	900,000	900,000	900,000
Loans								
- Investment				190,000				
- Working capital				121,050	123,050	123,050	123,050	123,050
Total				761,050	1,023,050	1,023,050	1,023,050	1,023,050
Outflow								
Investment/Replacement				190,000				
Recurrent costs				121,050	123,050	123,050	123,050	123,050
Total				311,050	123,050	123,050	123,050	123,050
Net income before debt				450,000	900,000	900,000	900,000	900,000
Loan outstanding								
Principles	Investment			190,000	190,000	142,500	95,000	47,500
	Recurrent costs			121,050	285,889	123,050	123,050	123,050
Interests	Investment	18	0.18	34,200	34,200	25,650	17,100	8,550
	Recurrent costs	18	0.18	21,789	47,860	22,149	22,149	22,149
Debt service								
Principles	Investment	4	yr	0	47,500	47,500	47,500	47,500
	Recurrent costs			0	285,889	123,050	123,050	123,050
Interests	Investment			0	34,200	25,650	17,100	8,550
	Recurrent costs			0	47,860	22,149	22,149	22,149
Net income after debt service				450,000	504,551	681,651	690,201	698,751
Cumulative net income				450,000	954,551	1,636,202	2,326,403	3,025,154
FINANCIAL ANALYSIS								
Revenue from sales				450,000	900,000	900,000	900,000	900,000
Cash outflow				311,050	123,050	123,050	123,050	123,050
Net Production Value	In '000 peso			138,950	776,950	776,950	776,950	776,950

TABLE 23-B : ECONOMIC ANALYSIS OF ROSE PRODUCTION IN ISABELA

(One unit of 2,500 sq.meter)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1.Cleaning	0.6	250	6	1,500	900	900	900	900	900
2.Land preparation	0.6	250	3	750	450	450	450	450	450
3.Digging	0.6	2	6,000	12,000	7,200	7,200	7,200	7,200	7,200
4.Planting	0.6	2	6,000	12,000	7,200	7,200	7,200	7,200	7,200
5.Weeding	0.6	200	12	2,400	1,440	1,440	1,440	1,440	1,440
6.Fertilizing	0.6	150	12	1,800	1,080	1,080	1,080	1,080	1,080
7.Splaying	0.6	200	24	4,800	2,880	2,880	2,880	2,880	2,880
8.Prunning	0.6	200	24	4,800	2,880	2,880	2,880	2,880	2,880
9.Watering	0.6	1,000	12	12,000	7,200	7,200	7,200	7,200	7,200
10.Harvesting	0.6	200	240	48,000	28,800	28,800	28,800	28,800	28,800
Total Labor Costs				100,050	60,030	60,030	60,030	60,030	60,030

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3
1.Marcotted plants	1.0	30	6,000	180,000	180,000		
2.Farm machineries	1.2	10,000	1	10,000	12,000		
Total					192,000		

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Insecticide	1.2			3,000	3,600	4,800	4,800	4,800	4,800
2. Fungicide	1.2			3,000	3,600	4,800	4,800	4,800	4,800
3. Fertilizers	1.2	8-12	450	3,600	4,320	6,480	6,480	6,480	6,480
4. Horse manure	1.0	20-30	20	400	400	600	600	600	600
5. Water	1.0	12	1,000	12,000	12,000	12,000	12,000	12,000	12,000
6. Farm implements	1.0	5,000	1	5,000	5,000	5,000	5,000	5,000	5,000
7. Labor				100,050	60,030	60,030	60,030	60,030	60,030
Total Cost				121,050	81,750	84,110	84,110	84,110	84,110

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
1. Flowers	doz				3,000	6,000	6,000	6,000	6,000
Total	1.0	150.00		450,000	450,000	900,000	900,000	900,000	900,000

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	450,000	900,000	900,000	900,000	900,000
Total	450,000	900,000	900,000	900,000	900,000
Outflow					
Investment/Replacement	192,000				
Recurrent costs	81,750	84,110	84,110	84,110	84,110
Total	273,750	84,110	84,110	84,110	84,110

ECONOMIC ANALYSIS					
Revenue from sales	450.000	900.000	900.000	900.000	900.000
Cash outflow	273.750	84.110	84.110	84.110	84.110
Net Production Value (In '000 peso)	176.250	815.890	815.890	815.890	815.890

TABLE J-24A ::FINANCIAL ANALYSIS OF RICE-MONGO CRUNCHIES PRODUCTION IN ISABELA

(One plant)

A. LABOR REQUIREMENT	**Unit**	**P/unit**	**Quantity**	Yr. 1	2	3	4	5-25
1. Input procurement (2 w)\	md	100	500	50,000	50,000	50,000	50,000	50,000
2. Production (20 women)	md	100	1440	144,000	144,000	144,000	144,000	144,000
3. Marketing (2w)	md	100	40	4,000	4,000	4,000	4,000	4,000
Total Labor Costs	peso			198,000	198,000	198,000	198,000	198,000
B.INVESTMENT (peso)	**Unit**	**P/unit**	**Quantity**	Yr. 1				
1. Production equipment 1/	set	435,100	1	435,100				
2. Transportation facilities	set	200,000	1	200,000				
Total				635,100				
C. RECURRENT COSTS	**Unit**	**P/unit**	**Quantity**	Yr.1	2	3	4	5
1. Rice	kg	12.00	2,625	31,500	31,500	31,500	31,500	31,500
2. Mongo	kg	22.71	1,125	25,549	25,549	25,549	25,549	25,549
3. Vegetable oil	kg	100.00	1,350	135,000	135,000	135,000	135,000	135,000
4. Salt	kg	1.00	78	78	78	78	78	78
5. Black peper	kg	100.00	12	1,200	1,200	1,200	1,200	1,200
6. Packaging material		0.30	55,000	16,500	16,500	16,500	16,500	16,500
7. Labor	peso			198,000	198,000	198,000	198,000	198,000
Total Cost				407,827	407,827	407,827	407,827	407,827
D. RETURN (peso)	**Unit**	**P/unit**	**Quantity**					
Production	pack	1.60	500000	500,000	500,000	500,000	500,000	500,000
(Suggested retail=2.71/pk)								
Total				800,000	800,000	800,000	800,000	800,000
CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				800,000	800,000	800,000	800,000	800,000
Loans								
- Investment				635,100				
- Working capital				407,827	407,827	407,827	407,827	407,827
Total				1,842,927	1,207,827	1,207,827	1,207,827	1,207,827
Outflow								
Investment/Replacement				635,100				
Recurrent costs				407,827	407,827	407,827	407,827	407,827
Total				1,042,927	407,827	407,827	407,827	407,827
Net income before debt				800,000	800,000	800,000	800,000	800,000
Loan outstanding								
Principles	Investment			635,100	508,080	381,060	254,040	127,020
	Recurrent costs			407,827	407,827	407,827	407,827	407,827
Interests	Investment	18	0.18	114,318	91,454	68,591	45,727	22,864
	Recurrent costs	18	0.18	73,409	73,409	73,409	73,409	73,409
Debt service								
Principles	Investment	5	yrs	127,020	127,020	127,020	127,020	127,020
	Recurrent costs			407,827	407,827	407,827	407,827	407,827
Interests	Investment			114,318	91,454	68,591	45,727	22,864
	Recurrent costs			73,409	73,409	73,409	73,409	73,409
Net income after debt service				77,426	100,290	123,154	146,017	168,881
Cumulative net income				77,426	177,716	300,870	446,887	615,768
FINANCIAL ANALYSIS								
Revenue from sales	In '000 peso			800,000	800,000	800,000	800,000	800,000
Cash outflow	In '000 peso			1,042,927	407,827	407,827	407,827	407,827
Net Production Value	In '000 peso			-242,927	392,173	392,173	392,173	392,173

Note

Equipment	Qty	Costs (P)
Grinder	1	25,000
Flour mill	1	100,000
Kneader Extruder	2	130,000
Dryer	1	100,000
Dough Mixer	1	50,000
Steamer	6	5,100
Deep Fryer	2	2,000
LPG Burner W/Tank	6	15,000
Electric Sealer	4	8,000

TABLE J-24B: FINANCIAL ANALYSIS OF RICE-MONGO CRUNCHIES PRODUCTION IN ISABELA

(One plant)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5-25
1. Input procurement (2 w)\	0.6	100	500	50,000	30,000	30,000	30,000	30,000	30,000
2. Production (20 women)	0.6	100	1440	144,000	86,400	86,400	86,400	86,400	86,400
3. Marketing (2w)	0.6	100	40	4,000	2,400	2,400	2,400	2,400	2,400
Total Labor Costs					118,800	118,800	118,800	118,800	118,800

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Yr. 1
1. Production equipment 1/	1.2	435,100	1	435,100	522,120
2. Transportation facilities	1.0	200,000	1	200,000	200,000
			1		0
Total					**722,120**

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Rice	1.0	12.00	2,625	31,500	31,500	31,500	31,500	31,500	31,500
2. Mongo	1.0	22.71	1,125	25,549	25,549	25,549	25,549	25,549	25,549
3. Vegetable oil	1.0	100.00	1,350	135,000	135,000	135,000	135,000	135,000	135,000
4. Salt	1.0	1.00	78	78	78	78	78	78	78
5. Black peper	1.0	100.00	12	1,200	1,200	1,200	1,200	1,200	1,200
6. Packaging material	1.2	0.30	55,000	16,500	19,800	19,800	19,800	19,800	19,800
7. Labor					118,800	118,800	118,800	118,800	118,800
Total Cost					**331,927**	**331,927**	**331,927**	**331,927**	**331,927**

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production	1.0	1.60	500000	500,000	500,000	500,000	500,000	500,000	500,000
(Suggested retail=2.71/pk)									
Total					**800,000**	**800,000**	**800,000**	**800,000**	**800,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	800,000	800,000	800,000	800,000	800,000
Total	800,000	800,000	800,000	800,000	800,000
Outflow					
Investment/Replacement	722,120				
Recurrent costs	331,927	331,927	331,927	331,927	331,927
Total	**1,054,047**	**331,927**	**331,927**	**331,927**	**331,927**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	800.000	800.000	800.000	800.000	800.000
Cash outflow	In '000 peso	1,054.047	331.927	331.927	331.927	331.927
Net Production Value	In '000 peso	**-254.047**	**468.073**	**468.073**	**468.073**	**468.073**

TABLE : J-25A : FINANCIAL ANALYSIS OF SQUASH CATSUP PRODUCTION IN ISABELA

(One establishment)

A. LABOR REQUIREMENT	Unit	P/unit	Quantity	Yr. 1	2	3	4	5
1. Input procurement (2 w)\	md	100	500	50,000	50,000	50,000	50,000	50,000
2. Production (20 women)	md	100	1440	144,000	144000	144000	144000	144000
3. Marketing (2w)	md	100	40	4,000	4,000	4,000	4,000	4,000
Total Labor Costs	peso			**198,000**	**198,000**	**198,000**	**198,000**	**198,000**

B.INVESTMENT (peso)	Unit	P/unit	Quantity	Peso
1. Production equipment 1/	set	68,000	1	68,000
2. Other equipment	set	15,000	1	15,000
3. Transportation facilities	set	200,000	1	200,000
Total				**283,000**

C. RECURRENT COSTS	Unit	P/unit	Quantity	Yr.1	2	3	4	5
1. Squash (kg)	kg	12.00	2,625	31,500	31,500	31,500	31,500	31,500
2. Sugar(kg)	kg	22.71	1,125	25,549	25,549	25,549	25,549	25,549
3. Onion (kg)	kg	50.00	1,350	67,500	67,500	67,500	67,500	67,500
4. Salt (kg)	kg	1.00	78	78	78	78	78	78
5. Red peper (kg)	kg	100.00	12	1,200	1,200	1,200	1,200	1,200
6. Cornstarch (kg)	kg	30.00	20	600	600	600	600	600
7. Garlig (kg)	kg	40.00	12	480	480	480	480	480
8. Sling labuyo (g)	g	5.00	1,880	9,400	9,400	9,400	9,400	9,400
9. Articicial color (g)	g	5.00	1,305	6,525	6,525	6,525	6,525	6,525
10. Cinnamon (g)	g	30.00	60	1,800	1,800	1,800	1,800	1,800
11. Allspice (g)	g	30.00	60	1,800	1,800	1,800	1,800	1,800
12. Vinegar (litr)=6.35/340cc	cc	18.68	400	7,471	7,471	7,471	7,471	7,471
13. Packaging material	pc	0.30	550,000	165,000	165,000	165,000	165,000	165,000
14. Labor	peso			198,000	198,000	198,000	198,000	198,000
Total Cost				**516,902**	**516,902**	**516,902**	**516,902**	**516,902**

D. RETURN (peso)	Unit	P/unit	Quantity					
Production	pack	18.00	500,000	500,000	500,000	500,000	500,000	500,000
(Suggested retail=25.73/pk)								
Total				**9,000,000**	**9,000,000**	**9,000,000**	**9,000,000**	**9,000,000**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Loans								
- Investment				283,000				
- Working capital				516,902	516,902	516,902	516,902	516,902
Total				9,799,902	9,516,902	9,516,902	9,516,902	9,516,902
Outflow								
Investment/Replacement				283,000				
Recurrent costs				516,902	516,902	516,902	516,902	516,902
Total				**799,902**	**516,902**	**516,902**	**516,902**	**516,902**
Net income before debt				9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Loan outstanding								
Principles	Investment			283,000	226,400	169,800	113,200	56,600
	Recurrent costs			516,902	516,902	516,902	516,902	516,902
Interests	Investment	18	0.18	50,940	40,752	30,564	20,376	10,188
	Recurrent costs	18	0.18	93,042	93,042	93,042	93,042	93,042
Debt service								
Principles	Investment	5	yrs	56,600	56,600	56,600	56,600	56,600
	Recurrent costs			516,902	516,902	516,902	516,902	516,902
Interests	Investment			50,940	40,752	30,564	20,376	10,188
	Recurrent costs			93,042	93,042	93,042	93,042	93,042
Net income after debt service				8,282,515	8,292,703	8,302,891	8,313,079	8,323,267
Cumulative net income				8,282,515	16,575,218	24,878,110	33,191,189	41,514,456
FINANCIAL ANALYSIS								
Revenue from sales	In '000 peso			9,000.000	9,000.000	9,000.000	9,000.000	9,000.000
Cash outflow	In '000 peso			799.902	516.902	516.902	516.902	516.902
Net Production Value	In '000 peso			**8,200.098**	**8,483.098**	**8,483.098**	**8,483.098**	**8,483.098**

1/

Equipment	Qty	Cost (P)
Burner	4	24,000
Cooking Vessel	4	4,000.00
Grinder	1	25,000.00
Utensils		5,000.00
Weighing scales	2	10,000.00

TABLE J-25B ::ECONOMIC ANALYSIS OF SQUASH CATSUP PRODUCTION IN ISABELA
(One establishment)

A. LABOR REQUIREMENT	SER-CF	P/unit	Quantity	F.A.	Yr. 1	2	3	4	5
1. Input procurement (2 w)\	0.6	100	500	50,000	30,000	30,000	30,000	30,000	30,000
2. Production (20 women)	0.6	100	1440	144,000	86,400	86400	86400	86400	86400
3. Marketing (2w)	0.6	100	40	4,000	2,400	2,400	2,400	2,400	2,400
Total Labor Costs					**118,800**	**118,800**	**118,800**	**118,800**	**118,800**

B.INVESTMENT (peso)	SER-CF	P/unit	Quantity	F.A.	Peso
1. Production equipment 1/	1.2	68,000	1	68,000	81,600
2. Other equipment	1.2	15,000	1	15,000	18,000
3. Transportation facilities	1.0	200,000	1	200,000	200,000
Total					**299,600**

C. RECURRENT COSTS	SER-CF	P/unit	Quantity	F.A.	Yr.1	2	3	4	5
1. Squash (kg)	1.0	12.00	2,625	31,500	31,500	31,500	31,500	31,500	31,500
2. Sugar(kg)	1.0	22.71	1,125	25,549	25,549	25,549	25,549	25,549	25,549
3. Onion (kg)	1.0	50.00	1,350	67,500	67,500	67,500	67,500	67,500	67,500
4. Salt (kg)	1.0	1.00	78	78	78	78	78	78	78
5. Red peper (kg)	1.0	100.00	12	1,200	1,200	1,200	1,200	1,200	1,200
6. Cornstarch (kg)	1.0	30.00	20	600	600	600	600	600	600
7. Garlig (kg)	1.0	40.00	12	480	480	480	480	480	480
8. Siing labuyo (g)	1.0	5.00	1,880	9,400	9,400	9,400	9,400	9,400	9,400
9. Articicial color (g)	1.0	5.00	1,305	6,525	6,525	6,525	6,525	6,525	6,525
10. Cinnamon (g)	1.0	30.00	60	1,800	1,800	1,800	1,800	1,800	1,800
11. Allspice (g)	1.0	30.00	60	1,800	1,800	1,800	1,800	1,800	1,800
12. Vinegar (litr)=6.35/340cc	1.0	18.68	400	7,471	7,471	7,471	7,471	7,471	7,471
13. Packaging material	1.2	0.30	550,000	165,000	198,000	198,000	198,000	198,000	198,000
14. Labor					118,800	118,800	118,800	118,800	118,800
Total Cost					**470,702**	**470,702**	**470,702**	**470,702**	**470,702**

D. RETURN (peso)	SER-CF	P/unit	Quantity	F.A.					
Production	1.0	18.00	500,000	500,000	500,000	500,000	500,000	500,000	500,000
(Suggested retail=25.73/pk)									
Total					**9,000,000**	**9,000,000**	**9,000,000**	**9,000,000**	**9,000,000**

CASHFLOW PROJECTION	Yr. 1	2	3	4	5
Inflow					
Sales	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Total	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Outflow					
Investment/Replacement	299,600				
Recurrent costs	470,702	470,702	470,702	470,702	470,702
Total	**770,302**	**470,702**	**470,702**	**470,702**	**470,702**

ECONOMIC ANALYSIS						
Revenue from sales	In '000 peso	9,000.000	9,000.000	9,000.000	9,000.000	9,000.000
Cash outflow	In '000 peso	770.302	470.702	470.702	470.702	470.702
Net Production Valud	In '000 peso	**8,229.698**	**8,529.298**	**8,529.298**	**8,529.298**	**8,529.298**

TABLE J-26A:FINANCIAL ANALYSIS OF HOG FATTENING PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT				**Yr. 1**	**2**	**3**	**4**	**5-25**
Farmer's labor	30	100		3,000	3,000	3,000	3,000	3,000
	Total Labor Costs			**3,000**	**3,000**	**3,000**	**3,000**	**3,000**
B.INVESTMENT (peso)				**Qt**	**Price**	**Peso**		
1. Pig pens	unit			20	1,000	20,000		
2. Stock	ea			20	1,500	30,000		
3. Equipment	set			1	10,000	10,000		
Total						**60,000**		
C. RECURRENT COSTS				Yr.1	2	3	4	5
Input (unit)	**Qty**	**Price**						
1. Feeds supplement (kg)	480	100		48,000	48,000	48,000	48,000	48,000
2. Medicine()	100	48		4,800	4,800	4,800	4,800	4,800
Total Cost				**52,800**	**52,800**	**52,800**	**52,800**	**52,800**
D. RETURN (peso)		Price (P/kg)						
Production (kg)		60.00		1,600	1,600	1,600	1,600	1,600
Total				**96,000**	**96,000**	**96,000**	**96,000**	**96,000**
CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				96,000	96,000	96,000	96,000	96,000
Farmers' contribution				3,000	3,000	3,000	3,000	3,000
Loans								
- Investment				60,000				
- Working capital				49,800	0	0	0	0
Total				208,800	99,000	99,000	99,000	99,000
Outflow								
Investment/Replacement				60,000				
Recurrent costs				52,800	52,800	52,800	52,800	52,800
Total				**112,800**	**52,800**	**52,800**	**52,800**	**52,800**
Net income before debt				96,000	46,200	46,200	46,200	46,200
Loan outstanding								
Principles	Investment			60,000	50,000	40,000	30,000	20,000
	Recurrent costs			49,800	0	0	0	0
Interests	Investment	18	0.18	10,800	9,000	7,200	5,400	3,600
	Recurrent costs	18	0.18	8,964	0	0	0	0
Debt service								
Principles	Investment	6	yrs	10,000	10,000	10,000	10,000	10,000
	Recurrent costs			49,800	0	0	0	0
Interests	Investment			10,800	9,000	7,200	5,400	3,600
	Recurrent costs			8,964	0	0	0	0
Net income after debt service				16,436	27,200	29,000	30,800	32,600
Cumulative net income				16,436	43,636	72,636	103,436	136,036
FINANCIAL ANALYSIS								
Revenue from sales				96,000	96,000	96,000	96,000	96,000
Cash outflow				112,800	52,800	52,800	52,800	52,800
Net Production Value				**-16,800**	**43,200**	**43,200**	**43,200**	**43,200**

TABLE J-27A : FINANCIAL ANALYSIS OF CATTLE FEEDLOT FATTENING PRODUCTION IN ISABELA

(20 heads)

A. LABOR REQUIREMENT		P/md/mad		**Yr. 1**	**2**	**3**	**4**	**5-25**
Family labor		100		175	175	175	175	175
Total	md	100		175	175	175	175	175
	mad (peso/ha)	2,000		0	0	0	0	0
	Total Labor Costs			**17,500**	**17,500**	**17,500**	**17,500**	**17,500**
B.INVESTMENT (peso)				**Qt**	**Price**	**Peso**		
1. Tools & equipment	set			1	35,820	35,820		
Total						**35,820**		
C. RECURRENT COSTS				Yr.1	2	3	4	5
Input (unit)	Qty	Price						
1. Stock for fattening	20	7500		150,000	150,000	150,000	150,000	150,000
2. Feed (Napier&Centro)				13,200	13,200	13,200	13,200	13,200
3. Concentrate				13140	13,140	13,140	13,140	13,140
4. Medicine				2,420	2,420	2,420	2,420	2,420
5. Utilities				500	500	500	500	500
6. Labor				17,500	17,500	17,500	17,500	17,500
Total Cost				**196,760**	**196,760**	**196,760**	**196,760**	**196,760**
D. RETURN (Peso)	Qt	Price	Wt.					
Production (kg)	20	50.00	312	312,000	312,000	312,000	312,000	312,000
Total				**312,000**	**312,000**	**312,000**	**312,000**	**312,000**
CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				312,000	312,000	312,000	312,000	312,000
Farmers' Contribution		1.00		17,500	17,500	17,500	17,500	17,500
Loan- Investment				35,820				
Loan- Working capital				179,260	92,398	75,474	71,138	69,068
Total				544,580	421,898	404,974	400,638	398,568
Outflow								
Investment/Replacement				35,820				
Recurrent costs				196,760	196,760	196,760	196,760	196,760
Total				**232,580**	**196,760**	**196,760**	**196,760**	**196,760**
Net income before debt				312,000	225,138	208,214	203,878	201,808
Loan outstanding								
Principles	Investment			35,820	28,656	21,492	14,328	7,164
	Recurrent costs			179,260	92,398	75,474	71,138	69,068
Interests	Investment	18	0.18	6,448	5,158	3,869	2,579	1,290
	Recurrent costs	18	0.18	32,267	16,632	13,585	12,805	12,432
Debt service								
Principles	Investment	5	yrs	7,164	7,164	7,164	7,164	7,164
	Recurrent costs			179,260	92,398	75,474	71,138	69,068
Interests	Investment			6,448	5,158	3,869	2,579	1,290
	Recurrent costs			32,267	16,632	13,585	12,805	12,432
Net income after debt service				86,862	103,786	108,122	110,192	111,854
Cumulative net income				86,862	190,648	211,908	218,314	222,046
FINANCIAL ANALYSIS								
Revenue from sales				312,000	312,000	312,000	312,000	312,000
Cash outflow				232,580	196,760	196,760	196,760	196,760
Net Cashflow				**79,420**	**115,240**	**115,240**	**115,240**	**115,240**

TABLE J-28A : :FINANCIAL ANALYSIS OF BROILER PRODUCTION IN ISABELA

(1'000 birds)/45 days

A. LABOR REQUIREMENT		P/md/mad		**Yr. 1**	**2**	**3**	**4**	**5-25**
Farmer's labor	15	100		1,500	1,500	1,500	1,500	1,500
	Total Labor Costs			**1,500**	**1,500**	**1,500**	**1,500**	**1,500**
B. Stock	**Mortality Rate (%)**							
1. Purchased				1,000	1,000	1,000	1,000	1,000
2. Remained	4			960	960	960	960	960
B.INVESTMENT (peso)				**Qt**	**Price**	**Peso**		
1. Poultry pens	unit			20	500	10,000		
2. Equipment	set			1	1,000	1,000		
Total						**11,000**		
C. RECURRENT COSTS				Yr.1	2	3	4	5
Input (unit)	**Qty**	**Price**						
1. Stock	1,000	23		23,000	23,000	23,000	23,000	23,000
2. Feeds(kg)	725	100		72,500	72,500	72,500	72,500	72,500
3. Medicine()	100	109		10,905	10,905	10,905	10,905	10,905
Total Cost				**106,405**	**106,405**	**106,405**	**106,405**	**106,405**
D. RETURN(peso)	Kg	P/kg						
Production (kg)	1.8	65.00		112,320	112,320	112,320	112,320	112,320
Total				**112,320**	**112,320**	**112,320**	**112,320**	**112,320**
CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow		% Share of Farmers						
Sales		Investt	Feed	112,320	112,320	112,320	112,320	112,320
Farmers' contribution		0.5	0.5	43,250	37,750	37,750	37,750	37,750
Loans								
- Investment				5,500				
- Working capital				68,655	0	0	0	0
Total				229,725	150,070	150,070	150,070	150,070
Outflow								
Investment/Replacement				11,000				
Recurrent costs				106,405	106,405	106,405	106,405	106,405
Total				**117,405**	**106,405**	**106,405**	**106,405**	**106,405**
Net income before debt				112,320	43,665	43,665	43,665	43,665
Loan outstanding								
Principles	Investment			11,000	9,900	8,800	7,700	6,600
	Recurrent costs			68,655	0	0	0	0
Interests	Investment	18	0.18	1,980	1,782	1,584	1,386	1,188
	Recurrent costs	18	0.18	12,358	0	0	0	0
Debt service								
Principles	Investment	10	yrs	1,100	1,100	1,100	1,100	1,100
	Recurrent costs			68,655	0	0	0	0
Interests	Investment			1,980	1,782	1,584	1,386	1,188
	Recurrent costs			12,358	0	0	0	0
Net income after debt service				28,227	40,783	40,981	41,179	41,377
Cumulative net income				28,227	69,010	109,991	151,170	192,547
FINANCIAL ANALYSIS								
Revenue from sales				112,320	112,320	112,320	112,320	112,320
Cash outflow				117,405	106,405	106,405	106,405	106,405
Net Cashflow				**-5,085**	**5,915**	**5,915**	**5,915**	**5,915**

TABLE J-29A : FINANCIAL ANALYSIS OF TILAPIA PRODUCTION IN ISABELA

(One hectare)

A. LABOR REQUIREMENT		P/md/mad		Yr. 1	2	3	4	5-25
1. Pond preparation		100		40				
2. Marketing		100		50	50	50	50	50
3. Caretaker		100		120	120	120	120	120
Total	md	100		210	170	170	170	170
	Total Labor Costs			**21,000**	**17,000**	**17,000**	**17,000**	**17,000**

B.INVESTMENT (peso)				Qt	Price	Peso
1. A dike of 1,500 cu.m	400 m.	1,500cum	30/cu.m	1	45,000	45,000
2. Secondary dike	116 m	278..4cum	30/cu.m	1	8,352	8,352
3. Concrete main gate				1	8,000	8,000
4. Inlet/outlet gate				6	3,000	18,000
5. Caretaker's hut				1	10,000	10,000
6. Finishing touches				1	3,000	3,000
7. Farm implements						
7.1 Seine				1	5,000	5,000
7.2 Hapas				1	5,000	5,000
7.3 Pails				1	1,000	1,000
7.4 Weighing balance				1	1,000	1,000
7.5 Flashlight				1	500	500
7.6 Shovel & diggigng blade				1	1,000	1,000
Total						**105,852**

C. RECURRENT COSTS	**Qty**	**Price**	Yr.1	2	3	4	5
Fingerlings (ea)	30,000	0.30	9,000	9,000	9,000	9,000	9,000
Agriculture lime (kg)	2,000	2.00	4,000	4,000	4,000	4,000	4,000
Chicken manure (bags)	266	30.00	7,980	7,980	7,980	7,980	7,980
Fertilize 16-20-0 (bags)	8	410.00	3,280	3,280	3,280	3,280	3,280
Fish meal (bags)	15	1,500	22,500	22,500	22,500	22,500	22,500
Rice bran (kg)	2,250	4.00	9,000	9,000	9,000	9,000	9,000
Labor			21,000	17,000	17,000	17,000	17,000
Total Cost			**76,760**	**72,760**	**72,760**	**72,760**	**72,760**

D. RETURN (peso)							
Production (kg)	at price (p/kg)	55.00		3,188	3,188	3,188	3,188	3,188
Total				**175,313**	**175,313**	**175,313**	**175,313**	**175,313**

CASHFLOW PROJECTION				Yr. 1	2	3	4	5
Inflow								
Sales				175,313	175,313	175,313	175,313	175,313
Farmers' Contribution		1.00		21,000	17,000	17,000	17,000	17,000
Loan- Investment				105,852				
Loan- Working capital				55,760	0	0	0	0
Total				357,925	192,313	192,313	192,313	192,313
Outflow								
Investment/Replacement				105,852				
Recurrent costs				76,760	72,760	72,760	72,760	72,760
Total				**182,612**	**72,760**	**72,760**	**72,760**	**72,760**
Net income before debt				175,313	119,553	119,553	119,553	119,553
Loan outstanding								
Principles	Investment			105,852	84,682	63,511	42,341	21,170
	Recurrent costs			55,760	0	0	0	0
Interests	Investment	18	0.18	19,053	15,243	11,432	7,621	3,811
	Recurrent costs	18	0.18	10,037	0	0	0	0
Debt service								
Principles	Investment	5	yrs	21,170	21,170	21,170	21,170	21,170
	Recurrent costs			55,760	0	0	0	0
Interests	Investment			19,053	15,243	11,432	7,621	3,811
	Recurrent costs			10,037	0	0	0	0
Net income after debt service				69,292	83,139	86,950	90,761	94,571
Cumulative net income				69,292	152,431	239,381	330,142	424,714
FINANCIAL ANALYSIS								
Revenue from sales				175,313	175,313	175,313	175,313	175,313
Cash outflow				182,612	72,760	72,760	72,760	72,760
Net Cashflow				**-7,300**	**102,553**	**102,553**	**102,553**	**102,553**

Table J-30 : Farme Prices of Various Farm Products in Isabela (1996-1998)

Commodity	1996			1997			1998			Average		
	Average	Lowest	Highest	Average	Lowest	Highest	Average	Lowest	Highest	Price	Lowest	Highest
Palay, Other Variety	9.10	7.29	10.14	7.99	7.29	8.90	8.63	7.66	10.02	8.57	7.29	10.14
Corn, Matured , yellow	6.68	5.78	7.20	6.43	5.94	7.18	6.07	5.83	6.82	6.39	5.78	7.20
Cattle	60.47	52.00	76.16	60.54	48.33	69.12	60.7	58.76	60.92	60.57	48.33	76.16
Carabao	47.88	41.11	55.36	48.72	44.59	53.17	49.57	43.16	60.07	48.72	41.11	60.07
Hogs,upgraded, weaning **	-	-	-	1,382.28	1,000.00	1,607.14	1,410.56	1,200.00	1,500.00	1,396.42	1,000.00	1,607.00
Hogs,upgraded, others	51.24	45.14	55.87	52.61	49.07	54.84	51.12	49.15	52.42	51.66	45.14	55.87
Hogs, native, weaning **	680.56	600.00	775.00	800.00	-	-	-	-	-	740.28	600.00	775.00
Hogs, native, others	46.52	41.03	54.00	51.18	47.96	52.57	49.87	46.37	51.18	49.19	41.03	54.00
Goats, below 4 months **	250.00	-	-	-	-	-	-	-	-	250.00	-	-
Goats 4 mos.old and over	61.02	57.69	70.00	60.21	54.17	75.00	71.27	66.87	78.57	64.17	54.17	78.57
Chicken, native	-	-	-	66.65	50.00	88.19	-	-	-	66.65	50.00	88.19
Chicken,other breed, broiler	52.46	50.00	72.97	51.34	48.82	55.00	56.20	47.00	69.79	53.33	47.00	69.79
Ampalaya	20.00	-	-	-	-	-	-	-	-	20.00	-	-
Squash	10.21	-	-	-	-	-	-	-	-	10.21	-	-
Eggplantt	11.17	6.33	11.79	7.56	6.00	14.35	8.31	7.09	10.18	9.01	6.00	14.35
Pechay, native	3.66	3.00	4.38	-	-	-	-	-	-	3.66	3.00	4.38
Mongo, green	25.00	-	-	18.82	-	-	25.00	-	-	22.94	-	-
Mango, yellow	28.68	-	-	-	-	-	-	-	-	28.68	-	-
Peanut,w/shell (dry)	15.73	-	-	12.00	-	-	30.00	-	-	19.24	-	-
Peanut,w/o shell (dry)	28.75	-	-	-	-	-	-	-	-	28.75	-	-
Watermelon	-	-	-	10.00	-	-	-	-	-	10.00	-	-
Banana, Bungulan *	0.55	0.42	0.60	0.51	0.45	0.54	0.47	0.40	0.50	0.51	0.40	0.60
Banana, lakatan *	0.50	0.43	0.70	0.66	0.59	0.67	0.66	0.65	0.68	0.61	0.43	0.68
Banana, latundan *	0.60	0.51	0.85	0.60	0.52	0.65	0.57	0.53	0.65	0.59	0.51	0.65
Banana, saba *	0.36	0.29	0.52	0.44	0.36	0.49	0.43	0.40	0.45	0.41	0.29	0.49
Mango, Green Indian	3.60	-	-	-	-	-	1.50			2.55		
Calamansi	13.26	4.74	21.10	9.07	2.87	23.98	10.39	5.26	30.00	10.91	2.87	30.00

Source: Bureau of Agricultural Statistics

Note: * peso/piece

** peso/head

TABLE J-31A: Financial Analysis of the Project at **1. LAPOGAN ARC**, Tumanuini Municipality

Simulation of NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	95	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110
Palay-D	20	109	209	209	209	209	209	209	209	209	209
Corn W&D	920	8,580	13,180	13,180	13,180	13,180	13,180	13,180	13,180	13,180	13,180
Other	339	0	0	0	0	0	0	0	0	0	0
Total All '000	1,374	9.80	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50

Simulation of NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	325	3,798	4,143	4,488	4,834	5,179	5,179	5,179	5,179	5,179	5,179
Palay-D	325	1,774	3,951	4,504	5,056	5,609	5,609	5,609	5,609	5,609	5,609
Corn W&D	368	3,432	5,755	6,238	6,721	7,204	7,204	7,204	7,204	7,204	7,204
Mungbean	100	573	1,160	1,246	1,332	1,418	1,418	1,418	1,418	1,418	1,418
Fruits	46	-1,553	-782	-900	-855	-1,098	-408	972	3,238	8,758	8,068
Others	339	0	0	0	0	0	0	0	0	0	0
Hog	100	-1,680	4,800	5,280	5,760	6,240	6,240	6,240	6,240	6,240	6,240
Cattle Fattening	6	477	785	879	972	1,066	1,066	1,066	1,066	1,066	1,066
Broilers	100	-659	1,003	1,565	2,126	2,688	2,688	2,688	2,688	2,688	2,688
Rice Crunchies	5	-1,265	2,161	2,361	2,561	2,761	2,761	2,761	2,761	2,761	2,761
Other Benefits			4,521	4,973	5,425	5,877	5,877	5,877	5,877	5,877	5,877
Total acreage	**1,503**	**4.90**	**30.30**	**36.24**	**42.34**	**48.15**	**48.84**	**50.22**	**52.49**	**58.01**	**57.32**

Cashflow for Financial Analysis of Lapogan ARC

Total Cashflow	-4.90	8.48	11.16	14.01	16.57	17.26	18.64	20.90	26.42	25.73
Project Cost	0.05	19.27	20.07	20.35	7.08	1.96	2.47	2.39	2.05	2.13
Net Cashflow	**-4.95**	**-10.79**	**-8.91**	**-6.34**	**9.49**	**15.30**	**16.17**	**18.52**	**24.38**	**23.60**
NIA-Tumanuini	32.29	35.51	39.07	42.97	47.27	52.00	57.20	62.92	69.21	76.13
Project Cost	0.05	19.27	20.07	20.35	7.08	1.96	2.47	2.39	2.05	2.13

Cases	NPV.15	FIRR
Low	**61.128**	**>50%**
High	**106.639**	**>50%**

TABLE J-31B: Economic Analysis of the Project at **1. LAPOGAN ARC,** Tumanuini Municipality

Simulation of NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	95	1,256	1,256	1,256	1,256	1,256	1,256	1,256	1,256	1,256	1,256
Palay-D	20	86	206	206	206	206	206	206	206	206	206
Corn W&D	920	8,454	13,974	13,974	13,974	13,974	13,974	13,974	13,974	13,974	13,974
Other	339	0	0	0	0	0	0	0	0	0	0
Total All '000	**1,374**	**9.796**	**15.436**	**15.436**	**15.436**	**15.436**	**15.436**	**15.436**	**15.436**	**15.436**	**15.436**

Simulation of NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	325	4,295	4,641	4,986	5,331	5,676	5,676	5,676	5,676	5,676	5,676
Palay-D	325	1,399	3,901	4,454	5,006	5,559	5,559	5,559	5,559	5,559	5,559
Corn W&D	368	3,382	6,073	6,556	7,039	7,522	7,522	7,522	7,522	7,522	7,522
Mungbean	100	582	1,268	1,354	1,440	1,527	1,527	1,527	1,527	1,527	1,527
Fruits	46	-1,243	-639	-769	-726	-946	-256	1,124	3,353	8,873	8,183
Others	339	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
Hog	100	-1,976	4,704	5,184	5,664	6,144	6,144	6,144	6,144	6,144	6,144
Cattle Fattening	6	473	824	918	1,011	1,105	1,105	1,105	1,105	1,105	1,105
Broilers	100	-837	845	1,407	1,968	2,530	2,530	2,530	2,530	2,530	2,530
Rice Crunchies	5	-1,270	2,540	2,740	2,940	3,140	3,140	3,140	3,140	3,140	3,140
Other Benefits		0	2,713	2,984	3,256	3,527	3,527	3,527	3,527	3,527	3,527
Total acreage	**1,503**	**4.804**	**29.672**	**35.418**	**41.337**	**46.992**	**47.682**	**49.062**	**51.292**	**56.812**	**56.122**

Cashflow for Economic Analysis of Lapogan ARC

Total Cashflow	-4.99	8.72	11.39	14.24	16.82	17.51	18.89	21.12	26.64	25.95
Project Cost & O&M	0.05	22.17	22.97	23.27	7.60	2.09	2.65	2.56	2.18	2.27
Net Cashflow	**-5.042**	**-13.451**	**-11.575**	**-9.029**	**9.219**	**15.416**	**16.243**	**18.565**	**24.459**	**23.676**
NIA-Tumanuini	32.2857	35.5143	39.0658	42.9723	47.2696	51.9965	57.1962	62.9158	69.2074	76.1281
Project Cost	0.050	22.172	22.968	23.267	7.601	2.095	2.647	2.555	2.181	2.274

Cases	% 1/	EIRR
Base	**5**	**38%**
High	**10**	**64%**

Note: 1/ % of annual growth of benefit from farm producton from year 2 to year 5.

TABLE J32A: Financial Analysis at **4. SAN MANUEL ARC,** ECHAQUE Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	300	-751	749	749	749	749	749	749	749	749	749
Palay-D	230	296	1,446	1,446	1,446	1,446	1,446	1,446	1,446	1,446	1,446
Corn	800	-3,772	-3,772	-3,772	-3,772	-3,772	-3,772	-3,772	-3,772	-3,772	-3,772
Total All '000	1,330	**-4.227**	**-1.577**	**-1.577**	**-1.577**	**-1.577**	**-1.577**	**-1.577**	**-1.577**	**-1.577**	**-1.577**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	300	-751	749	749	749	749	749	749	749	749	749
Palay-D	230	296	1,446	1,446	1,446	1,446	1,446	1,446	1,446	1,446	1,446
Corn	600	-2,829	-2,829	-2,829	-2,829	-2,829	-2,829	-2,829	-2,829	-2,829	-2,829
Fruits	70	-2,363	-1,191	-1,370	-1,301	-1,671	-621	1,479	4,928	13,328	12,278
Hog	20	-336	864	864	864	864	864	864	864	864	864
Broilers	30	-153	177	177	177	177	177	177	177	177	177
Other Benefits	1	0	2,641	2,905	3,169	3,433	3,433	3,433	3,433	3,433	3,433
Total acreage	**1,200**	**-6.135**	**3.709**	**5.644**	**7.827**	**9.573**	**10.623**	**12.723**	**16.171**	**24.571**	**23.521**

Cashflow for Financial Analysis of San Manuel ARC

Total Cashflow		-1.91	0.79	0.61	0.68	0.31	1.36	3.46	6.91	15.31	14.26
Project Cost		0.05	6.74	1.34	1.16	1.52	1.07	0.81	1.12	1.09	1.42
Net Cashflow		**-1.96**	**-5.94**	**-0.72**	**-0.48**	**-1.21**	**0.29**	**2.65**	**5.79**	**14.22**	**12.84**
NLA-Echaque	1st	5.968	18.628	32.449	46.694	62.471	80.004	99.559	121.443	145.975	173.581
Project Cost	mil peso	0.054	6.736	1.339	1.162	1.522	1.07	0.811	1.118	1.092	1.418

Case	NPV.15	FIRR
Low	**43.237**	**>50%**
High	**68.910**	**>50%**

TABLE J-32B: **Economic** Analysis at **4. SAN MANUEL ARC,** ECHAQUE Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	300	-304	1,496	1,496	1,496	1,496	1,496	1,496	1,496	1,496	1,496
Palay-D	230	787	2,167	2,167	2,167	2,167	2,167	2,167	2,167	2,167	2,167
Corn	800	-1,930	-1,930	-1,930	-1,930	-1,930	-1,930	-1,930	-1,930	-1,930	-1,930
Total All '000	1,330	**-1.446**	**1.734**	**1.734**	**1.734**	**1.734**	**1.734**	**1.734**	**1.734**	**1.734**	**1.734**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	300	-304	1,662	1,828	1,993	2,159	2,159	2,159	2,159	2,159	2,159
Palay-D	230	787	2,378	2,590	2,802	3,013	3,013	3,013	3,013	3,013	3,013
Corn	600	-1,447	-1,164	-880	-597	-313	-313	-313	-313	-313	-313
Fruits	70	-1,891	-972	-1,171	-1,105	-1,440	-390	1,710	5,103	13,503	12,453
Hog	20	-395	941	1,037	1,133	1,229	1,229	1,229	1,229	1,229	1,229
Broilers	30	-251	254	422	590	759	759	759	759	759	759
Other Benefits		0	1,789	1,968	2,147	2,326	2,326	2,326	2,326	2,326	2,326
Total acreage	**1,200**	**-3.502**	**5.813**	**7.644**	**9.739**	**11.434**	**12.484**	**14.584**	**17.977**	**26.377**	**25.327**

Cashflow for Economic Analysis of San Manuel ARC

Total Cashflow		-2.06	1.37	2.09	3.08	3.67	4.72	6.82	10.22	18.62	17.57
Project Cost		0.05	7.24	1.44	1.25	1.63	1.15	0.87	1.20	1.17	1.52
Net Cashflow		**-2.109**	**-5.874**	**0.651**	**1.834**	**2.039**	**3.570**	**5.955**	**9.015**	**17.444**	**16.046**
NLA-Echaque	1st	5.968	18.628	32.449	46.694	62.471	80.004	99.559	121.443	145.975	173.581
Project Cost		0.054	7.2388	1.4416	1.249	1.634	1.1528	0.868	1.201	1.1724	1.5206

Cases	% 1/	EIRR
Base case	**5**	**62%**
High case	**10**	**92%**

TABLE J-33A: Financial Analysis of **8.MINAGBAG ARC,** Quezon Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	467	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638
Palay-D	390	5,902	7,852	7,852	7,852	7,852	7,852	7,852	7,852	7,852	7,852
Corn W	400	1,386	1,386	1,386	1,386	1,386	1,386	1,386	1,386	1,386	1,386
Corn D	400	-714	-714	-714	-714	-714	-714	-714	-714	-714	-714
Other	1,630										
Total All '000	3,287	**8.2114**	**10.1614**	**10.1614**	**10.1614**	**10.1614**	**10.1614**	**10.1614**	**10.1614**	**10.1614**	**10.1614**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	512	1,795	1,795	1,795	1,795	1,795	1,795	1,795	1,795	1,795	1,795
Palay-D	480	7,264	9,664	9,664	9,664	9,664	9,664	9,664	9,664	9,664	9,664
Corn W	312	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081
Corn D	312	-557	-557	-557	-557	-557	-557	-557	-557	-557	-557
Mungbean	130	745	1,395	1,395	1,395	1,395	1,395	1,395	1,395	1,395	1,395
Vegetable *	5	367	417	417	417	417	417	417	417	417	417
Fruit **	33	-1,114	-561	-646	-613	-788	-293	697	2,323	6,283	5,788
Tilapia	5	-708	245	245	245	245	245	245	245	245	245
Hog	60	-1,008	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592
Broilers	70	-356	414	414	414	414	414	414	414	414	414
Other Benefits	1	0	4,596	4,596	4,596	4,596	4,596	4,596	4,596	4,596	4,596
Other Benefits	1	0	5,107	5,618	6,128	6,639	6,639	6,639	6,639	6,639	6,639
Total acreage	**1,784**	**7.510**	**27.539**	**33.911**	**40.400**	**46.683**	**47.178**	**48.168**	**49.794**	**53.754**	**53.259**

Cashflow for Financial Analysis of Managbag ARC

Total Cashflow	-0.70	10.92	10.84	10.87	10.69	11.19	12.18	13.80	17.76	17.27
Project Cost	0.05	2.61	2.50	2.56	2.83	3.85	3.99	3.86	4.17	4.57
Net Cashflow	**-0.76**	**8.05**	**8.08**	**8.06**	**7.58**	**6.95**	**7.79**	**9.56**	**13.18**	**12.25**

NPA-Quezon	5th	18.41	21.137	24.274	27.879	32.008	36.791	42.272	48.575	55.82	64.154
Project Cost O&M		0.054	2.608	2.501	2.557	2.827	3.85	3.993	3.858	4.172	4.565

Cases	NPV.15	FIRR
Low	**108.606**	**>50%**
High	**160.628**	**>50%**

TABLE J-33B: Economic Analysis of **8.MINAGBAG ARC,** Quezon Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	467	-5,533	1,939	1,939	1,939	1,939	1,939	1,939	1,939	1,939	1,939
Palay-D	390	-10,837	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823
Corn-W	400	2,490	2,490	2,490	2,490	2,490	2,490	2,490	2,490	2,490	2,490
Corn-D	400	390	390	390	390	390	390	390	390	390	390
Other	1630	0	0	0	0	0	0	0	0	0	0
Total All '000	3,287	**-13.490**	**8.642**	**8.642**	**8.642**	**8.642**	**8.642**	**8.642**	**8.642**	**8.642**	**8.642**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-W	512	-6,067	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125
Palay-D	480	-13,337	4,706	4,706	4,706	4,706	4,706	4,706	4,706	4,706	4,706
Corn-W	312	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942
Corn-D	312	304	304	304	304	304	304	304	304	304	304
Mungbean	130	756	1,536	1,536	1,536	1,536	1,536	1,536	1,536	1,536	1,536
Vegetable	5	424	484	484	484	484	484	484	484	484	484
Fruits	33	-892	-458	-552	-521	-679	-184	806	2,406	6,366	5,871
Tilapia	5	2	543	543	543	543	543	543	543	543	543
Hog	60	-1,186	2,534	2,534	2,534	2,534	2,534	2,534	2,534	2,534	2,534
Broilers	70	-586	198	198	198	198	198	198	198	198	198
Other Benefits		0	2,589	2,848	3,107	3,366	3,366	3,366	3,366	3,366	3,366
Total acreage	**1,784**	**-18.639**	**21.593**	**26.847**	**32.226**	**37.415**	**37.910**	**38.900**	**40.500**	**44.460**	**43.965**

Cashflow for Economic Analysis of Managbag ARC

Total Cashflow	-5.15	5.27	5.18	5.21	5.05	5.55	6.54	8.14	12.10	11.60
Project Cost	0.05	2.81	2.70	2.76	3.04	4.14	4.30	4.15	4.48	4.91
O&M	0.01	0.28	0.27	0.28	0.30	0.41	0.43	0.41	0.45	0.49
Net Cashflow	**-5.208**	**2.180**	**2.207**	**2.178**	**1.709**	**0.989**	**1.809**	**3.576**	**7.166**	**6.203**

NPA-Quezon	5th	18.41	21.137	24.274	27.879	32.008	36.791	42.272	48.575	55.82	64.154
Project Cost		0.054	2.8116	2.7026	2.7566	3.0392	4.144	4.299	4.146	4.4832	4.9078

Case	%	EIRR
Base case	**5**	**167%**
High case	**10**	**232%**

TABLE J-34A: Financial Analysis of **9. CABARUAN ARC,** Naguilan Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	130	355	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005
Palay-I (W&D)	106	1,524	2,054	2,054	2,054	2,054	2,054	2,054	2,054	2,054	2,054
Corn	640	397	3,597	3,597	3,597	3,597	3,597	3,597	3,597	3,597	3,597
Vegetable	4	293	333	333	333	333	333	333	333	333	333
Fruits	6	-203	-102	-117	-112	-143	-53	127	422	1,142	1,052
Total All '000	886	**2.367**	**6.888**	**6.872**	**6.878**	**6.847**	**6.937**	**7.117**	**7.412**	**8.132**	**8.042**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I (W+D)	336	4,830	6,510	6,510	6,510	6,510	6,510	6,510	6,510	6,510	6,510
Corn	512	318	2,878	2,878	2,878	2,878	2,878	2,878	2,878	2,878	2,878
Vegetable	10	733	833	833	833	833	833	833	833	833	833
Fruits	64	-2,160	-1,089	-1,252	-1,190	-1,527	-567	1,353	4,505	12,185	11,225
Hog	50	-840	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160
Broilers	100	-509	592	592	592	592	592	592	592	592	592
Other Benefits	1	0	7,092	7,801	8,510	9,220	9,220	9,220	9,220	9,220	9,220
Total acreage	**922**	**2.373**	**22.461**	**26.491**	**30.748**	**34.604**	**35.564**	**37.484**	**40.637**	**48.317**	**47.357**

Cashflow for Financial Analysis of CABARUAN ARC

Total Cashflow		0.01	5.00	4.85	4.90	4.60	5.47	7.21	10.07	17.03	16.16
Project Cost		0.05	1.26	1.55	1.62	20.50	20.77	20.51	5.89	2.08	3.16
Net Cashflow		**-0.048**	**3.735**	**3.300**	**3.283**	**-15.903**	**-15.305**	**-13.298**	**4.176**	**14.948**	**13.000**
NLA-Naguilan	5th	18.704	21.492	24.697	28.382	32.616	37.482	43.076	49.506	56.896	65.39
Project Cost		0.054	1.262	1.548	1.622	20.502	20.774	20.507	5.89	2.078	3.156

Case	NPV.15	FIRR
Low	**84.846**	**>50%**
High	**120.830**	**>50%**

TABLE J-34B: Economic Analysis of 9. CABARUAN ARC, Naguilan Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	130	549	1,329	1,329	1,329	1,329	1,329	1,329	1,329	1,329	1,329
Palay-I	106	1,750	2,386	2,386	2,386	2,386	2,386	2,386	2,386	2,386	2,386
Corn	640	2,223	6,063	6,063	6,063	6,063	6,063	6,063	6,063	6,063	6,063
Vegetable	4	339	387	387	387	387	387	387	387	387	387
Fruits	6	-162	-83	-100	-95	-123	-33	147	437	1,157	1,067
Other Benefits	1	0	5,198	5,718	6,238	6,757	6,757	6,757	6,757	6,757	6,757
Total acreage	922	**4.618**	**23.569**	**27.393**	**31.457**	**35.155**	**36.115**	**38.035**	**41.138**	**48.818**	**47.858**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	336	5,547	7,563	7,563	7,563	7,563	7,563	7,563	7,563	7,563	7,563
Corn	512	1,778	4,850	4,850	4,850	4,850	4,850	4,850	4,850	4,850	4,850
Vegetable	10	847	967	967	967	967	967	967	967	967	967
Fruits	64	-1,729	-889	-1,070	-1,010	-1,317	-357	1,563	4,666	12,346	11,386
Hog	50	-988	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112
Broilers	100	-837	283	283	283	283	283	283	283	283	283
Total acreage	**922**	**4.618**	**14.886**	**14.705**	**14.765**	**14.459**	**15.419**	**17.339**	**20.441**	**28.121**	**27.161**

Cashflow for Economic Analysis of CABARUAN ARC

Total Cashflow	-0.08	4.81	4.64	4.70	4.42	5.29	7.03	9.84	16.80	15.93
Project Cost O&M	0.05	1.37	1.68	1.75	23.80	24.10	20.46	6.33	2.22	3.39
Net Cashflow	**-0.134**	**3.439**	**2.962**	**2.944**	**-19.386**	**-18.810**	**-13.434**	**3.513**	**14.579**	**12.539**

NLA-Naguilan 5th	18.704	21.492	24.697	28.382	32.616	37.482	43.076	49.506	56.896	65.390
Project Cost	0.054	1.3662	1.679	1.751	23.804	24.097	20.462	6.326	2.220	3.390

Case	%	EIRR
Base case	**5**	**7554%**
High case	**10**	**9059%**

TABLE J-35A: Financial Analysis of **10. CAPIRPIRIWAN** ARC, Cordon Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	55	150	412	398	384	371	371	371	371	371	371
Palay-I	94	1,351	1,780	1,739	1,698	1,657	1,657	1,657	1,657	1,657	1,657
Corn	358	222	1,938	1,864	1,790	1,716	1,716	1,716	1,716	1,716	1,716
Fruits	89	-3,004	-1,514	-1,742	-1,655	-2,124	-789	1,881	6,265	16,945	15,610
Total All '000	**596**	**-1.280**	**2.616**	**2.260**	**2.218**	**1.620**	**2.955**	**5.625**	**10.009**	**20.689**	**19.354**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	204	2,933	3,953	3,953	3,953	3,953	3,953	3,953	3,953	3,953	3,953
Corn	286	178	1,608	1,608	1,608	1,608	1,608	1,608	1,608	1,608	1,608
Fruits	89	-3,004	-1,514	-1,742	-1,655	-2,124	-789	1,881	6,265	16,945	15,610
Flowers	5	-153	73	73	73	73	73	73	73	73	73
Hog	60	-1,008	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592
Broilers	100	-509	592	592	592	592	592	592	592	592	592
Other Benefits	1	0	2,428	2,671	2,914	3,156	3,156	3,156	3,156	3,156	3,156
Total acreage	**584**	**-1.563**	**12.462**	**15.209**	**18.270**	**20.774**	**22.109**	**24.779**	**29.164**	**39.844**	**38.509**

Cashflow for **Financial Analysis of CAPIRPIRIWAN** ARC

Total Cashflow		-0.28	4.69	4.82	4.94	5.07	5.07	5.07	5.07	5.07	5.07
Project Cost		0.05	8.84	6.65	3.91	0.54	0.94	0.94	0.94	1.48	1.16
Net Cashflow		**-0.34**	**-4.15**	**-1.84**	**1.03**	**4.53**	**4.13**	**4.14**	**4.13**	**3.60**	**3.91**
NPA-Cordon	4th	16.167	19.434	23.047	26.168	29.742	33.835	39.525	43.9	50.059	57.121
Project Cost		0.054	8.84	6.651	3.91	0.542	0.94	0.937	0.938	1.475	1.158

Cases	NPV.15	FIRR
Low	**62.4308**	**>50%**
High	**85.5047**	**>50%**

TABLE J-35B: **Economic** Analysis of **10. CAPIRPIRIWAN** ARC, Cordon Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	55	232	562	562	562	562	562	562	562	562	562
Palay-I	94	1,552	2,116	2,116	2,116	2,116	2,116	2,116	2,116	2,116	2,116
Corn	358	1,243	3,391	3,391	3,391	3,391	3,391	3,391	3,391	3,391	3,391
Fruits	89	-2,405	-1,236	-1,488	-1,405	-1,831	-496	2,174	6,488	17,168	15,833
Total All '000	596	**0.623**	**4.833**	**4.581**	**4.664**	**4.239**	**5.574**	**8.244**	**12.558**	**23.238**	**21.903**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	204	3,368	4,592	4,592	4,592	4,592	4,592	4,592	4,592	4,592	4,592
Corn	286	993	2,709	2,709	2,709	2,709	2,709	2,709	2,709	2,709	2,709
Fruits	89	-2,405	-1,236	-1,488	-1,405	-1,831	-496	2,174	6,488	17,168	15,833
Flowers	5	-194	67	67	67	67	67	67	67	67	67
Hog	60	-1,186	2,534	2,534	2,534	2,534	2,534	2,534	2,534	2,534	2,534
Broilers	100	-837	283	283	283	283	283	283	283	283	283
Other Benefits	1	0	965	1,016	1,067	1,118	1,118	1,118	1,118	1,118	1,118
Total All '000	**584**	**-0.260**	**11.281**	**12.445**	**13.945**	**14.935**	**16.270**	**18.940**	**23.254**	**33.934**	**32.599**

Cashflow for **Economic Analysis of CAPIRPIRIWAN** ARC

Total Cashflow		-0.88	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
Project Cost		0.05	9.64	7.30	4.43	0.58	1.02	1.01	1.01	1.60	1.25
Net Cashflow		**-3.437**	**-8.821**	**-6.482**	**-3.615**	**0.239**	**-0.198**	**-0.194**	**-0.194**	**-0.779**	**-0.431**
NPA-Cordon	4th	16.167	19.434	23.047	26.168	29.742	33.835	39.525	43.9	50.059	57.121
Project Cost		0.054	9.6382	7.2992	4.4316	0.5776	1.015	1.011	1.011	1.5954	1.248

Case	%	EIRR
Base case	**5**	**36%**
High case	**10**	**60%**

TABLE J-36A: Financial Analysis of **11. FERMELDY** ARC, Tumanuini Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Corn	612	380	3,440	3,440	3,440	3,440	3,440	3,440	3,440	3,440	3,440
Mungbean	0	0	0	0	0	0	0	0	0	0	0
Vegetable	1	73	83	83	83	83	83	83	83	83	83
Fruits	4	-135	-68	-78	-74	-95	-35	85	282	762	702
Total All '000	617	**0.318**	**3.455**	**3.445**	**3.449**	**3.428**	**3.488**	**3.608**	**3.805**	**4.285**	**4.225**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Corn	490	304	2,754	2,754	2,754	2,754	2,754	2,754	2,754	2,754	2,754
Mungbean	47	269	504	504	504	504	504	504	504	504	504
Vegetable	5	367	417	417	417	417	417	417	417	417	417
Fruits	56	-1,890	-953	-1,096	-1,041	-1,336	-496	1,184	3,942	10,662	9,822
Hog	10	-168	432	432	432	432	432	432	432	432	432
Broilers	20	-102	118	118	118	118	118	118	118	118	118
Rice Crunchies	1	-253	392	392	392	392	392	392	392	392	392
Other Benefits	1	0	386	386	386	386	386	386	386	386	386
Other Benefits	1	0	429	472	515	558	558	558	558	558	558
Total acreage	**598**	**-1.472**	**5.295**	**6.396**	**7.695**	**8.644**	**9.484**	**11.164**	**13.923**	**20.643**	**19.803**

Cashflow for **Financial Analysis of FERMELDY** ARC

Total Cashflow	-1.79	0.60	0.46	0.51	0.24	1.02	2.58	5.14	11.38	10.60
Project Cost	0.05	0.51	0.50	0.20	0.24	0.31	0.31	0.31	0.31	0.17
Net Cashflow	**-1.84**	**0.09**	**-0.03**	**0.31**	**0.00**	**0.71**	**2.27**	**4.83**	**11.07**	**10.44**
NPA-Tumanuini	32.286	35.514	39.066	42.972	47.27	51.997	57.196	62.916	69.207	76.128
Project Cost	0.05	0.511	0.496	0.204	0.235	0.31	0.311	0.311	0.312	0.165

Cases	NPV.15	FIRR
Base case	**30.707**	**>50%**
High case	**41.534**	**>50%**

TABLE J-36B: Economic Analysis of **11. FERMELDY** ARC, Tumanuini Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Corn	612	2,126	5,798	5,798	5,798	5,798	5,798	5,798	5,798	5,798	5,798
Vegetable	1	85	97	97	97	97	97	97	97	97	97
Fruits	4	-108	-56	-67	-63	-82	-22	98	292	772	712
Total All '000	617	**2.102**	**5.839**	**5.827**	**5.831**	**5.812**	**5.872**	**5.992**	**6.186**	**6.666**	**6.606**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Corn	490	1,702	4,642	4,642	4,642	4,642	4,642	4,642	4,642	4,642	4,642
Mungbean	47	273	555	555	555	555	555	555	555	555	555
Vegetable	5	424	484	484	484	484	484	484	484	484	484
Fruits	56	-1,513	-778	-937	-884	-1,152	-312	1,368	4,082	10,802	9,962
Hog	10	-198	422	422	422	422	422	422	422	422	422
Broilers	20	-167	57	57	57	57	57	57	57	57	57
Rice Crunchies	1	-254	468	468	468	468	468	468	468	468	468
Other Benefits	1	0	244	257	270	283	283	283	283	283	283
Total acreage	**598**	**0.267**	**6.695**	**7.150**	**7.816**	**8.161**	**9.001**	**10.681**	**13.395**	**20.115**	**19.275**

Cashflow for **Economic Analysis of FERMELDY** ARC										
Total Cashflow	-1.84	0.01	-0.14	-0.09	-0.34	0.44	2.00	4.52	10.76	9.98
Project Cost	0.05	0.55	0.54	0.22	0.25	0.34	0.34	0.34	0.34	0.17
Net Cashflow	**-1.886**	**-0.540**	**-0.672**	**-0.303**	**-0.588**	**0.109**	**1.669**	**4.188**	**10.428**	**9.813**
NPA-Tumanuini	32.286	35.514	39.066	42.972	47.27	51.997	57.196	62.916	69.207	76.128
Project Cost	0.05	0.5514	0.5364	0.2156	0.2518	0.3352	0.3352	0.3362	0.3362	0.1716

Case	%	EIRR
Base case	**5**	**73%**
High case	**10**	**109%**

TABLE J-37A: Financial Analysis of **14. YEBAN NORTE** ARC, Benito Solivan Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	68	186	526	526	526	526	526	526	526	526	526
Palay-I	96	1,380	1,860	1,860	1,860	1,860	1,860	1,860	1,860	1,860	1,860
Corn	1872	1,163	10,523	10,523	10,523	10,523	10,523	10,523	10,523	10,523	10,523
Vegetable	11	806	916	916	916	916	916	916	916	916	916
Fruits	40	-1,350	-680	-783	-744	-955	-355	845	2,816	7,616	7,016
Total All '000	**2,087**	**2.185**	**13.144**	**13.042**	**13.081**	**12.870**	**13.470**	**14.670**	**16.641**	**21.441**	**20.841**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	164	2,358	3,178	3,178	3,178	3,178	3,178	3,178	3,178	3,178	3,178
Corn	1500	932	8,432	8,432	8,432	8,432	8,432	8,432	8,432	8,432	8,432
Vegetable	15	1,100	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
Fruits	186	-6,278	-3,164	-3,640	-3,458	-4,439	-1,649	3,931	13,093	35,413	32,623
Tilapia	10	-1,415	491	491	491	491	491	491	491	491	491
Hog	60	-1,008	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592
Broilers	70	-356	414	414	414	414	414	414	414	414	414
Other Benefits	1	0	20,012	22,013	24,014	26,016	26,016	26,016	26,016	26,016	26,016
Total acreage	**1,865**	**-4.668**	**37.456**	**43.233**	**49.668**	**54.940**	**57.730**	**63.310**	**72.473**	**94.793**	**92.003**

Cashflow for **Financial Analysis of YEBAN NORTE** ARC

Total Cashflow	-6.85	0.05	-0.33	-0.18	-0.95	1.24	5.62	12.81	30.33	28.14
Project Cost,	0.054	1.45	1.35	1.35	1.92	2.32	2.63	2.63	2.64	2.38
Net Cashflow	**-6.907**	**-1.398**	**-1.678**	**-1.535**	**-2.875**	**-1.081**	**2.991**	**10.178**	**27.693**	**25.757**
Net Loanable Amount	19.397	22.307	25.653	29.501	33.926	39.015	44.968	51.597	59.336	68.237
Project Cost	0.054	1.445	1.352	1.352	1.922	2.318	2.626	2.63	2.635	2.381

Case	NPW	FIRR
Low	**193.012**	**>50%**
High	**247.426**	**>50%**

TABLE J-37B: Economicl Analysis of 14. YEBAN NORTE ARC, Benito Solivan Municipality

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	68	287	695	695	695	695	695	695	695	695	695
Palay-I	96	1,585	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161
Corn	1872	6,502	17,734	17,734	17,734	17,734	17,734	17,734	17,734	17,734	17,734
Vegetable	11	932	1,064	1,064	1,064	1,064	1,064	1,064	1,064	1,064	1,064
Fruits	40	-1,081	-556	-669	-632	-823	-223	977	2,916	7,716	7,116
Total All '000	2,087	**8.225**	**21.098**	**20.985**	**21.022**	**20.831**	**21.431**	**22.631**	**24.570**	**29.370**	**28.770**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	164	2,707	3,691	3,691	3,691	3,691	3,691	3,691	3,691	3,691	3,691
Corn	1500	5,210	14,210	14,210	14,210	14,210	14,210	14,210	14,210	14,210	14,210
Vegetable	15	1,271	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451
Fruits	186	-5,026	-2,584	-3,111	-2,937	-3,827	-1,037	4,543	13,559	35,879	33,089
Tilapia	10	4	1,087	1,087	1,087	1,087	1,087	1,087	1,087	1,087	1,087
Hog	60	-1,186	2,534	2,534	2,534	2,534	2,534	2,534	2,534	2,534	2,534
Broilers	70	-586	198	198	198	198	198	198	198	198	198
Other Benefits	1	0	12,639	13,903	15,167	16,431	16,431	16,431	16,431	16,431	16,431
Total acreage	**1,865**	**2.395**	**37.479**	**42.468**	**48.158**	**52.784**	**55.574**	**61.154**	**70.169**	**92.489**	**89.699**

Cashflow for **Economic Analysis of YEBAN NORTE** ARC

Total Cashflow	-5.83	-0.51	-0.92	-0.79	-1.49	0.70	5.08	12.16	29.68	27.49
Project Cost, O&M	0.054	1.55	1.46	1.46	2.08	2.53	2.86	2.86	2.87	2.60
Net Cashflow	**-5.884**	**-2.065**	**-2.387**	**-2.249**	**-3.562**	**-1.830**	**2.220**	**9.296**	**26.813**	**24.895**
Net Loanable Amount	19.397	22.307	25.653	29.501	33.926	39.015	44.968	51.597	59.336	68.237
Project Cost	0.054	1.555	1.464	1.462	2.077	2.534	2.864	2.865	2.868	2.596

Case	%	EIRR
Base case	**5**	**224%**
High case	**10**	**283%**

TABLE J-38A: Financial Analysis of **16. ANDAARAYAN** ARC, Delfino Albino

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	180	492	1,392	1,392	1,392	1,392	1,392	1,392	1,392	1,392	1,392
Palay-I	270	3,882	5,232	5,232	5,232	5,232	5,232	5,232	5,232	5,232	5,232
Corn	30	19	169	169	169	169	169	169	169	169	169
Mungbean	20	115	215	215	215	215	215	215	215	215	215
Vegetable	3	220	250	250	250	250	250	250	250	250	250
Total All '000	503	**4.727**	**7.257**	**7.257**	**7.257**	**7.257**	**7.257**	**7.257**	**7.257**	**7.257**	**7.257**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	630	9,057	12,207	12,207	12,207	12,207	12,207	12,207	12,207	12,207	12,207
Corn	24	15	135	135	135	135	135	135	135	135	135
Mungbean	105	602	1,127	1,127	1,127	1,127	1,127	1,127	1,127	1,127	1,127
Vegetable	3	220	250	250	250	250	250	250	250	250	250
Fruits	23	-776	-391	-450	-428	-549	-204	486	1,619	4,379	4,034
Tilapia	5	-708	245	245	245	245	245	245	245	245	245
Hog	20	-336	864	864	864	864	864	864	864	864	864
Cattle Fattening	20	1,588	2,305	2,305	2,305	2,305	2,305	2,305	2,305	2,305	2,305
Broilers	30	-153	177	177	177	177	177	177	177	177	177
Rice Crunchies	20	-5,059	7,843	7,843	7,843	7,843	7,843	7,843	7,843	7,843	7,843
Other Benefits	1	0	1,057	1,163	1,268	1,374	1,374	1,374	1,374	1,374	1,374
Total acreage	**785**	**4.451**	**30.902**	**36.031**	**41.242**	**46.309**	**46.654**	**47.344**	**48.477**	**51.237**	**50.892**

Cashflow for **Financial Analysis of ANDARAYAN** ARC

Total Cashflow	-0.28	17.51	17.45	17.47	17.35	17.69	18.38	19.52	22.28	21.93
Project Cost	0.05	40.69	35.73	35.34	3.21	2.27	2.58	2.59	2.59	2.38
Net Cashflow	**-0.33**	**-23.19**	**-18.29**	**-17.87**	**14.14**	**15.42**	**15.80**	**16.93**	**19.68**	**19.55**
NPA-Delfin Albino, 4th	19.402	22.163	25.335	28.979	33.166	37.976	43.505	49.859	57.162	65.555
Project Cost, O&M	0.05	40.692	35.734	35.341	3.213	2.273	2.583	2.588	2.592	2.379

Case	NPW	FIRR
Low	**72.4656**	**>50%**
High	**117.613**	**>50%**

TABLE J-38B: Economic Analysis of **16. ANDAARAYAN** ARC, Delfino Albino

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	180	760	1,840	1,840	1,840	1,840	1,840	1,840	1,840	1,840	1,840
Palay-I	270	4,457	6,077	6,077	6,077	6,077	6,077	6,077	6,077	6,077	6,077
Corn	30	104	284	284	284	284	284	284	284	284	284
Mungbean	20	116	236	236	236	236	236	236	236	236	236
Vegetable	3	254	290	290	290	290	290	290	290	290	290
Total All '000	503	**5.692**	**8.728**	**8.728**	**8.728**	**8.728**	**8.728**	**8.728**	**8.728**	**8.728**	**8.728**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	630	10,400	14,180	14,180	14,180	14,180	14,180	14,180	14,180	14,180	14,180
Corn	24	83	227	227	227	227	227	227	227	227	227
Mungbean	105	611	1,241	1,241	1,241	1,241	1,241	1,241	1,241	1,241	1,241
Vegetable	3	254	290	290	290	290	290	290	290	290	290
Fruits	23	-621	-320	-385	-363	-473	-128	562	1,677	4,437	4,092
Tilapia	5	2	543	543	543	543	543	543	543	543	543
Hog	20	-395	845	845	845	845	845	845	845	845	845
Cattle Fattening	20	1,575	2,435	2,435	2,435	2,435	2,435	2,435	2,435	2,435	2,435
Broilers	30	-251	85	85	85	85	85	85	85	85	85
Rice Crunchies	20	-5,081	9,361	9,361	9,361	9,361	9,361	9,361	9,361	9,361	9,361
Other Benefits	1	0	634	697	761	824	824	824	824	824	824
Total acreage	**785**	**6.578**	**34.605**	**39.686**	**44.853**	**49.889**	**50.234**	**50.924**	**52.039**	**54.799**	**54.454**

Cashflow for **Economic Analysis of ANDARAYAN** ARC										
Total Cashflow	0.89	20.16	20.10	20.12	20.01	20.35	21.04	22.16	24.92	24.57
Project Cost, O&M	0.05	46.13	40.79	36.82	3.48	2.41	2.74	2.75	2.75	2.52
Net Cashflow	**0.84**	**-25.97**	**-20.70**	**-16.71**	**16.53**	**17.94**	**18.30**	**19.41**	**22.17**	**22.05**

NPA-Delfin Albino 4th	19.402	22.163	25.335	28.979	33.166	37.976	43.505	49.859	57.162	65.555
Project Cost, O&M	0.05	46.131	40.792	36.825	3.480	2.408	2.743	2.746	2.749	2.517

Case	%	EIRR
Base case	**5**	**41%**
High case	**10**	**61%**

TABLE J-39A: Financial Analysis of **18. DELENA-SIMANU** ARC, San Pablo

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	124	339	959	959	959	959	959	959	959	959	959
Palay-I	574	8,252	11,122	11,122	11,122	11,122	11,122	11,122	11,122	11,122	11,122
Corn	1200	745	6,745	6,745	6,745	6,745	6,745	6,745	6,745	6,745	6,745
Vegetable	4	293	333	333	333	333	333	333	333	333	333
Fruits	20	-675	-340	-391	-372	-477	-177	423	1,408	3,808	3,508
Total All '000	1,922	**8.954**	**18.819**	**18.768**	**18.787**	**18.682**	**18.982**	**19.582**	**20.567**	**22.967**	**22.667**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	698	10,034	13,524	13,524	13,524	13,524	13,524	13,524	13,524	13,524	13,524
Corn	960	596	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396
Vegetable	24	1,760	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Fruits	120	-4,050	-2,041	-2,348	-2,231	-2,864	-1,064	2,536	8,447	22,847	21,047
Tilapia	5	-708	245	245	245	245	245	245	245	245	245
Hog	50	-840	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160
Broilers	50	-254	296	296	296	296	296	296	296	296	296
Other Benefits	1	0	6,008	6,609	7,210	7,810	7,810	7,810	7,810	7,810	7,810
Total acreage	1,802	**6.538**	**32.538**	**37.782**	**43.451**	**48.369**	**50.169**	**53.769**	**59.680**	**74.080**	**72.280**
Cashflow for **Financial Analysis of DELENA-SIMANU** ARC											
Total Cashflow		-2.42	2.76	2.51	2.60	2.08	3.58	6.58	11.50	23.50	22.00
Project Cost		0.05	3.78	3.88	3.42	3.09	1.48	1.48	2.55	2.56	12.27
Net Cashflow		**-2.47**	**-1.02**	**-1.37**	**-0.82**	**-1.01**	**2.10**	**5.10**	**8.95**	**20.95**	**9.73**
NPA-SanPablo	4th	27.812	31.983	36.781	42.298	48.643	55.939	64.33	73.98	85.076	97.838
Project Cost		0.054	3.778	3.879	3.421	3.089	1.476	1.479	2.551	2.556	12.267

Case	NPW	FIRR
Low	**111.519**	**>50%**
High	**159.823**	**>50%**

TABLE J-39B: Economic Analysis of 18. DELENA-SIMANU ARC, San Pablo

Simulation of the NPV Without Project

Crop Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	124	524	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268
Palay-I	574	9,476	12,920	12,920	12,920	12,920	12,920	12,920	12,920	12,920	12,920
Corn	1200	4,168	11,368	11,368	11,368	11,368	11,368	11,368	11,368	11,368	11,368
Vegetable	4	339	387	387	387	387	387	387	387	387	387
Fruits	20	-540	-278	-334	-316	-411	-111	489	1,458	3,858	3,558
Total All '000	1,922	**13.97**	**25.66**	**25.61**	**25.63**	**25.53**	**25.83**	**26.43**	**27.40**	**29.80**	**29.50**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	698	11,523	15,711	15,711	15,711	15,711	15,711	15,711	15,711	15,711	15,711
Corn	960	3,334	9,094	9,094	9,094	9,094	9,094	9,094	9,094	9,094	9,094
Vegetable	24	2,033	2,321	2,321	2,321	2,321	2,321	2,321	2,321	2,321	2,321
Fruits	120	-3,242	-1,667	-2,007	-1,895	-2,469	-669	2,931	8,748	23,148	21,348
Tilapia	5	2	543	543	543	543	543	543	543	543	543
Hog	50	-988	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112
Broilers	50	-418	142	142	142	142	142	142	142	142	142
O&M		0	0	0	0	0	0	0	0	0	1
Total All '000		**-1.776**	**7.074**	**12.008**	**17.943**	**23.167**	**26.467**	**29.465**	**33.119**	**45.117**	**32.849**

Cashflow for **Economic Analysis of DELENA-SIMANU** ARC

Total Cashflow		-1.72	2.59	2.31	2.40	1.92	3.42	6.42	11.27	23.27	21.77
Project Cost		0.05	4.20	4.30	3.78	3.41	1.61	1.61	2.80	2.80	13.57
Net Cashflow		**-1.776**	**-1.605**	**-1.994**	**-1.382**	**-1.481**	**1.818**	**4.816**	**8.471**	**20.469**	**8.201**
NPA-SanPablo	4th	27.812	31.983	36.781	42.298	48.643	55.939	64.33	73.98	85.076	97.838
Project Cost		0.054	4.1972	4.3026	3.7846	3.405	1.6054	1.6074	2.7998	2.8018	13.57

Case	%	EIRR
Base case	**5**	**296%**
High case	**10**	**460%**

TABLE J-40A: Financial Analysis of **19. DAMMAO** ARC, Gamu

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	32	87	247	247	247	247	247	247	247	247	247
Palay-I	146	2,099	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829
Com	124	77	697	697	697	697	697	697	697	697	697
Fruits	2	-68	-34	-39	-37	-48	-18	42	141	381	351
Total All '000	304	**2.196**	**3.739**	**3.734**	**3.736**	**3.726**	**3.756**	**3.816**	**3.914**	**4.154**	**4.124**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	334	4,802	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472
Mungbean	60	344	644	644	644	644	644	644	644	644	644
Vegetable	2	147	167	167	167	167	167	167	167	167	167
Fruits	2	-68	-34	-39	-37	-48	-18	42	141	381	351
Flowers	2	-61	29	29	29	29	29	29	29	29	29
Tilapia	5	-708	245	245	245	245	245	245	245	245	245
Hog	30	-504	1,296	1,296	1,296	1,296	1,296	1,296	1,296	1,296	1,296
Cattle Fattening	6	477	691	691	691	691	691	691	691	691	691
Broilers	20	-102	118	118	118	118	118	118	118	118	118
Rice Crunchies	15	-3,794	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883
Other Benefits	1	0	215	237	258	280	280	280	280	280	280
Total acreage	**400**	**0.533**	**18.904**	**22.099**	**25.301**	**28.490**	**28.520**	**28.580**	**28.679**	**28.919**	**28.889**

Cashflow for **Financial Analysis of DAMMAO** ARC

Total Cashflow		-1.66	11.77	11.77	11.77	11.77	11.77	11.77	11.77	11.77	11.77
Project Cost		0.05	28.65	28.97	26.53	3.24	0.96	1.26	1.27	1.27	1.31
Net Cashflow		**-1.71**	**-16.88**	**-17.20**	**-14.76**	**8.53**	**10.82**	**10.51**	**10.51**	**10.50**	**10.46**
NPA-Gamu	5th	17.937	20.627	23.731	27.279	31.371	36.077	41.488	47.711	54.869	63.1
Project Cost		0.05	28.649	28.971	26.531	3.239	0.956	1.264	1.266	1.268	1.307

Case	NPW.15	FIRR
Low	**30.9338**	**29%**
High	**58.778**	**43%**

TABLE J-40B: Economic Analysis of **19. DAMMAO** ARC, Gamu

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-N	32	135	327	327	327	327	327	327	327	327	327
Palay-I	146	2,410	3,286	3,286	3,286	3,286	3,286	3,286	3,286	3,286	3,286
Corn	124	431	1,175	1,175	1,175	1,175	1,175	1,175	1,175	1,175	1,175
Fruits	2	-54	-28	-33	-32	-41	-11	49	146	386	356
Total All '000	304	**2.922**	**4.760**	**4.755**	**4.756**	**4.747**	**4.777**	**4.837**	**4.934**	**5.174**	**5.144**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-I	334	5,514	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518
Mungbean	60	349	709	709	709	709	709	709	709	709	709
Vegetable	2	169	193	193	193	193	193	193	193	193	193
Fruits	2	-54	-28	-33	-32	-41	-11	49	146	386	356
Flowers	2	-78	27	27	27	27	27	27	27	27	27
Tilapia	5	2	543	543	543	543	543	543	543	543	543
Hog	30	-593	1,267	1,267	1,267	1,267	1,267	1,267	1,267	1,267	1,267
Cattle Fattening	6	473	731	731	731	731	731	731	731	731	731
Broilers	20	-167	57	57	57	57	57	57	57	57	57
Rice Crunchies	15	-3,811	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021
Other Benefits	1	0	129	142	155	168	168	168	168	168	168
Total acreage	**400**	**1.804**	**21.346**	**24.531**	**27.724**	**30.906**	**30.936**	**30.996**	**31.093**	**31.333**	**31.303**

Cashflow for **Economic Analysis of DAMMAO** ARC

Total Cashflow		-1.12	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28
Project Cost		0.05	31.70	32.05	29.54	3.45	1.00	1.34	1.34	1.34	1.38
Net Cashflow		**-1.168**	**-18.425**	**-18.771**	**-16.267**	**9.826**	**12.276**	**11.943**	**11.941**	**11.940**	**11.903**
NPA-Gamu	5th	17.937	20.627	23.731	27.279	31.371	36.077	41.488	47.711	54.869	63.1
Project Cost		0.05	31.703	32.049	29.545	3.452	1.002	1.335	1.337	1.338	1.375

Case	%	EIRR
Base case	**5**	**29%**
High case	**10**	**42%**

TABLE J-41A: Financial Analysis of **22. VIOLA ESTATE** ARC, Remon Mercedes

Simulation of the NPV Without Project

Million Peso

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Corn	1964	1,220	11,040	11,040	11,040	11,040	11,040	11,040	11,040	11,040	11,040
Mungbean	3	17	32	32	32	32	32	32	32	32	32
Vegetable	3	220	250	250	250	250	250	250	250	250	250
Fruits	5	-169	-85	-98	-93	-119	-44	106	352	952	877
Total All '000	1,975	**1.288**	**11.237**	**11.224**	**11.229**	**11.202**	**11.277**	**11.427**	**11.674**	**12.274**	**12.199**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Corn	1570	975	9,857	10,890	11,923	12,955	12,955	12,955	12,955	12,955	12,955
Mungbean	260	1,491	3,015	3,239	3,464	3,688	3,688	3,688	3,688	3,688	3,688
Vegetable	11	806	999	1,081	1,164	1,246	1,246	1,246	1,246	1,246	1,246
Fruits	197	-6,649	-3,351	-3,855	-3,662	-4,701	-1,746	4,164	13,868	37,508	34,553
Hog	50	-840	2,400	2,640	2,880	3,120	3,120	3,120	3,120	3,120	3,120
Broilers	50	-254	577	857	1,138	1,419	1,419	1,419	1,419	1,419	1,419
Rice Crunchies	5	-1,265	2,161	2,361	2,561	2,761	2,761	2,761	2,761	2,761	2,761
Other Benefits	1	0	3,693	4,032	4,371	4,709	4,709	4,709	4,709	4,709	4,709
Total acreage	**2,038**	**-5.736**	**21.411**	**25.366**	**30.018**	**33.438**	**36.393**	**42.303**	**52.007**	**75.647**	**72.692**

Cashflow for **Financial Analysis of VIOLA ESTATE** ARC

Total Cashflow	-7.02	4.42	5.99	8.24	9.29	12.17	17.93	27.38	50.42	47.54
Project Cost	0.05	3.10	3.73	3.25	2.85	7.62	2.80	2.04	2.04	2.12
Net Cashflow	**-7.07**	**1.33**	**2.26**	**4.99**	**6.44**	**4.54**	**15.13**	**25.34**	**48.38**	**45.43**
NPA-Reina Mercides-5th	13.362	15.274	17.471	19.996	22.899	26.235	30.067	34.474	39.539	45.362
Project Cost	0.05	3.095	3.729	3.246	2.845	7.624	2.8	2.04	2.044	2.115

Case	NPW	FIRR
Low	**123.245**	**>50%**
High	**162.048**	**>50%**

TABLE J-41B: Economic Analysis of 22. VIOLA ESTATE ARC, Remon Mercedes

Simulation of the NPV Without Project Million Peso

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Corn	1964	6,821	18,605	18,605	18,605	18,605	18,605	18,605	18,605	18,605	18,605
Mungbean	3	17	35	35	35	35	35	35	35	35	35
Vegetable	3	254	290	290	290	290	290	290	290	290	290
Fruits	5	-135	-69	-84	-79	-103	-28	122	364	964	889
Total All '000	1,975	**6.958**	**18.862**	**18.847**	**18.852**	**18.828**	**18.903**	**19.053**	**19.296**	**19.896**	**19.821**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Corn	1570	5,453	14,873	14,873	14,873	14,873	14,873	14,873	14,873	14,873	14,873
Mungbean	260	1,512	3,072	3,072	3,072	3,072	3,072	3,072	3,072	3,072	3,072
Vegetable	11	932	1,064	1,064	1,064	1,064	1,064	1,064	1,064	1,064	1,064
Fruits	197	-5,323	-2,737	-3,295	-3,110	-4,053	-1,098	4,812	14,361	38,001	35,046
Hog	50	-988	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112
Broilers	50	-418	142	142	142	142	142	142	142	142	142
Rice Crunchies	5	-1,270	2,340	2,340	2,340	2,340	2,340	2,340	2,340	2,340	2,340
Other Benefits	1	0	2,356	2,592	2,827	3,063	3,063	3,063	3,063	3,063	3,063
Total acreage	**2,038**	**-0.103**	**27.343**	**31.141**	**35.681**	**39.094**	**42.049**	**47.959**	**57.508**	**81.148**	**78.193**

Cashflow for **Economic Analysis of VIOLA ESTATE ARC**

Total Cashflow		-7.06	2.00	1.46	1.64	0.72	3.60	9.36	18.67	41.71	38.83
Project Cost		0.05	3.43	4.16	3.57	3.11	8.25	3.07	2.21	2.21	2.29
Net Cashflow		**-7.111**	**-1.426**	**-2.696**	**-1.930**	**-2.383**	**-4.648**	**6.292**	**16.457**	**39.495**	**36.536**
NPA-Reina Mercides	5th	13.362	15.274	17.471	19.996	22.899	26.235	30.067	34.474	39.539	45.362
Project Cost		0.05	3.431	4.157	3.571	3.105	8.250	3.070	2.212	2.214	2.292

Case	%	EIRR
Base case	**5**	**79%**
High case	**10**	**116%**

TABLE J-42A : Financial Analysis of **2. QUILING** ARC, Roxas

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-D	302	4,645	6,155	6,155	6,155	6,155	6,155	6,155	6,155	6,155	6,155
Corn-W	69	545	545	545	545	545	545	545	545	545	545
Corn-D	69	183	183	183	183	183	183	183	183	183	183
Mungbean	2	11	21	21	21	21	21	21	21	21	21
Vegetable	3	220	250	250	250	250	250	250	250	250	250
Fruits	4	-135	-68	-78	-74	-95	-35	85	282	762	702
Total All '000	449	**5.459**	**7.086**	**7.076**	**7.080**	**7.059**	**7.119**	**7.239**	**7.436**	**7.916**	**7.856**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-D	302	4,645	6,155	6,155	6,155	6,155	6,155	6,155	6,155	6,155	6,155
Corn-W	63	498	498	498	498	498	498	498	498	498	498
Corn-D	58	154	154	154	154	154	154	154	154	154	154
Mungbean	50	287	537	537	537	537	537	537	537	537	537
Vegetable	15	1,100	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
Fruits	18	-608	-306	-352	-335	-430	-160	380	1,267	3,427	3,157
Tilapia	3	-425	147	147	147	147	147	147	147	147	147
Hog	10	-168	432	432	432	432	432	432	432	432	432
Broilers	10	-51	59	59	59	59	59	59	59	59	59
Rice Crunchies	1	-253	392	392	392	392	392	392	392	392	392
Other Benefits	1	0	1,196	1,316	1,435	1,555	1,555	1,555	1,555	1,555	1,555
Total acreage	506	**5.179**	**12.693**	**14.947**	**17.265**	**19.470**	**19.740**	**20.280**	**21.167**	**23.327**	**23.057**

Cashflow for **Financial Analysis of Quiling** ARC

Total Cashflow		-0.29	2.23	2.19	2.21	2.13	2.34	2.76	3.45	5.13	4.92
Project Cost		0.05	0.52	0.49	1.10	0.40	0.31	2.84	0.32	0.32	0.81
Net Cashflow		**-0.34**	**1.71**	**1.70**	**1.11**	**1.73**	**2.03**	**-0.07**	**3.14**	**4.82**	**4.11**
NLP-Roxas	3rd	38.299	43.968	50.476	57.948	66.53	76.384	87.699	100.694	115.616	132.752
Project Cost		0.05	0.523	0.493	1.095	0.404	0.312	2.837	0.318	0.319	0.811

Cases	NPW.15	FIRR
Base	**39.7830258**	**>50%**
High	**59.7983107**	**>50%**

TABLE J-42B : Economic Analysis of 2. QUILING ARC, Roxas

Simulation of the NPV Without Project

Enterprise	Ha	NPV-W/O									
		1	2	3	4	5	6	7	8	9	10-25
Palay-D	302	5,342	7,154	7,154	7,154	7,154	7,154	7,154	7,154	7,154	7,154
Corn-W	69	658	658	658	658	658	658	658	658	658	658
Corn-D	69	296	296	296	296	296	296	296	296	296	296
Mungbean	2	12	24	24	24	24	24	24	24	24	24
Vegetable	3	254	290	290	290	290	290	290	290	290	290
Fruits	4	-108	-56	-67	-63	-82	-22	98	292	772	712
Total All '000	**449**	**6.454**	**8.366**	**8.355**	**8.359**	**8.339**	**8.399**	**8.519**	**8.713**	**9.193**	**9.133**

Simulation of the NPV With Project

Enterprise	Ha	NPV-W									
		1	2	3	4	5	6	7	8	9	10-25
Palay-D	302	5,342	7,154	7,154	7,154	7,154	7,154	7,154	7,154	7,154	7,154
Corn-W	63	601	601	601	601	601	601	601	601	601	601
Corn-D	58	249	249	249	249	249	249	249	249	249	249
Mungbean	50	291	591	591	591	591	591	591	591	591	591
Vegetable	15	1,271	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451
Fruits	18	-486	-250	-301	-284	-370	-100	440	1,312	3,472	3,202
Tilapia	3	1	326	326	326	326	326	326	326	326	326
Hog	50	-988	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112	2,112
Broilers	50	-418	142	142	142	142	142	142	142	142	142
Rice Crunchies	1	-254	468	468	468	468	468	468	468	468	468
Other Benefits	1	0	1,196	1,316	1,435	1,555	1,555	1,555	1,555	1,555	1,555
Total acreage	**506**	**5.608**	**17.053**	**20.135**	**23.285**	**26.332**	**26.602**	**27.142**	**28.015**	**30.175**	**29.905**

Cashflow for **Economic Analysis of Quiling** ARC

Total Cashflow	-0.85	4.48	4.44	4.45	4.38	4.59	5.01	5.69	7.37	7.16
Project Cost	0.05	0.57	0.53	1.19	0.44	0.34	3.04	0.34	0.34	0.87
Net Cashflow	**-0.90**	**3.91**	**3.91**	**3.26**	**3.95**	**4.26**	**1.97**	**5.35**	**7.03**	**6.29**

NLP-Roxas	3rd	**3830%**	43.97	50.48	57.95	66.53	76.38	87.70	100.69	115.62	132.75
Project Cost		0.05	0.5654	0.5316	1.186	0.4356	0.3362	3.0422	0.3402	0.3402	0.8678

Cases	%	EIRR
Base	**5**	**754%**
High	**10**	**943%**