

CUADRO A 8.5.2.19 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: SANTA LIBRADA (Gran Escala)

Beneficiarios 25 productores

TIR 34.0%

Unidad: 1,000Gs

	Situacion actual				Plan		
	Superficie (ha)	Produce.	Ingreso unitario	Ingreso agricola	Superficie (ha)	Costo	Utilidad
Algodon	25.0	37.5	379	14,212.5			
Tomate					2.5	36,395.0	179,685.0
Zanahoria					2.5	6,272.5	21,829.5
Esparrago					5.0	9,985.0	21,600.0
Melon					2.5	8,162.5	13,799.3
Maiz					12.5	2,987.5	5,160.4
Total	25.0	37.5		14,212.5	25.0	63,802.5	242,074.1

Año	Gastos						Ingreso Total	Margen Bruto
	Costo de Instalacion	Bomba	Mantenimiento	Administracion	Ingreso Perdido	Total		
1	267,013	17,856				284,869	-284,869	
2			66,816	63,803	14,213	144,831	242,074	97,243
3			66,816	63,803	14,213	144,831	242,074	97,243
4			66,816	63,803	14,213	144,831	242,074	97,243
5			66,816	63,803	14,213	144,831	242,074	97,243
6			66,816	63,803	14,213	144,831	242,074	97,243
7			66,816	63,803	14,213	144,831	242,074	97,243
8			66,816	63,803	14,213	144,831	242,074	97,243
9			66,816	63,803	14,213	144,831	242,074	97,243
10			66,816	63,803	14,213	144,831	242,074	97,243
11		17,856	66,816	63,803	14,213	162,687	242,074	79,387
12			66,816	63,803	14,213	144,831	242,074	97,243
13			66,816	63,803	14,213	144,831	242,074	97,243
14			66,816	63,803	14,213	144,831	242,074	97,243
15			66,816	63,803	14,213	144,831	242,074	97,243
16			66,816	63,803	14,213	144,831	242,074	97,243
17			66,816	63,803	14,213	144,831	242,074	97,243
18			66,816	63,803	14,213	144,831	242,074	97,243
19			66,816	63,803	14,213	144,831	242,074	97,243
20			66,816	63,803	14,213	144,831	242,074	97,243
21		17,856	66,816	63,803	14,213	162,687	242,074	79,387
22			66,816	63,803	14,213	144,831	242,074	97,243
23			66,816	63,803	14,213	144,831	242,074	97,243
24			66,816	63,803	14,213	144,831	242,074	97,243
25			66,816	63,803	14,213	144,831	242,074	97,243
26			66,816	63,803	14,213	144,831	242,074	97,243
27			66,816	63,803	14,213	144,831	242,074	97,243
28			66,816	63,803	14,213	144,831	242,074	97,243
29			66,816	63,803	14,213	144,831	242,074	97,243
30			66,816	63,803	14,213	144,831	242,074	97,243
TOTAL	267,013	53,568	1,937,675	1,850,273	412,163	4,520,691	7,020,150	2,499,459

CUADRO A 8.5.2.20 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: SANTA LIBRADA (Mediana Escala)

Beneficiarios 6 productores

TIR 35.8%

Unidad: 1,000 Gs

	Situacion actual				Plan		
	Superficie (ha)	Produce.	Ingreso unitario	Ingreso agricola	Superficie (ha)	Costo	Utilidad
Algodon	6.0	9.0	379	3,411.0			
Tomate					0.6	8,734.8	43,124.4
Zanahoria					0.6	1,505.4	5,239.1
Esparrago					1.2	2,396.4	5,184.0
Melon					0.6	1,959.0	3,311.8
Maiz					3.0	717.0	1,238.5
Total	6.0	9.0		3,411.0	6.0	15,312.6	58,097.8

Año	Gastos					Ingreso Total	Margen Bruto
	Costo de Instalacion	Bomba	Mantenimiento	Administracion	Ingreso Perdido		
1	87,224	14,248				101,472	-101,472
2			2,763	15,313	3,411	21,487	58,098
3			2,763	15,313	3,411	21,487	58,098
4			2,763	15,313	3,411	21,487	58,098
5			2,763	15,313	3,411	21,487	58,098
6			2,763	15,313	3,411	21,487	58,098
7			2,763	15,313	3,411	21,487	58,098
8			2,763	15,313	3,411	21,487	58,098
9			2,763	15,313	3,411	21,487	58,098
10			2,763	15,313	3,411	21,487	58,098
11		14,248	2,763	15,313	3,411	35,735	58,098
12			2,763	15,313	3,411	21,487	58,098
13			2,763	15,313	3,411	21,487	58,098
14			2,763	15,313	3,411	21,487	58,098
15			2,763	15,313	3,411	21,487	58,098
16			2,763	15,313	3,411	21,487	58,098
17			2,763	15,313	3,411	21,487	58,098
18			2,763	15,313	3,411	21,487	58,098
19			2,763	15,313	3,411	21,487	58,098
20			2,763	15,313	3,411	21,487	58,098
21		14,248	2,763	15,313	3,411	35,735	58,098
22			2,763	15,313	3,411	21,487	58,098
23			2,763	15,313	3,411	21,487	58,098
24			2,763	15,313	3,411	21,487	58,098
25			2,763	15,313	3,411	21,487	58,098
26			2,763	15,313	3,411	21,487	58,098
27			2,763	15,313	3,411	21,487	58,098
28			2,763	15,313	3,411	21,487	58,098
29			2,763	15,313	3,411	21,487	58,098
30			2,763	15,313	3,411	21,487	58,098
TOTAL	87,224	42,744	80,133	444,065	98,919	753,086	1,684,836

CUADRO A 8.5.2.21 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: SAN ANTONIO (Pequeña Escala)

Beneficiarios 2 productores

TIR 9.3%

Unidad: 1,000 Gs

	Situacion actual				Plan		
	Superficie (ha)	Produc.	Ingreso unitario	Ingreso agrícola	Superficie (ha)	Costo	Utilidad
Algodon	2.0	3.0	379	1,137.0			
Tomate					0.2	2,911.6	14,374.8
Zanahoria					0.2	501.8	1,746.4
Esparrago					0.4	798.8	1,728.0
Melon					0.2	653.0	1,103.9
Maiz					1.0	239.0	412.8
Total	2.0	3.0		1,137.0	2.0	5,104.2	19,365.9

Ano	Gastos						Ingreso	Margen Bruto
	Costo de Instalacion	Bomba	Manteni-miento	Administ-racion	Ingreso perdido	Total		
1	86,323	15,153				101,475		-101,475
2			2,026	5,104	1,137	8,267	19,366	11,099
3			2,026	5,104	1,137	8,267	19,366	11,099
4			2,026	5,104	1,137	8,267	19,366	11,099
5			2,026	5,104	1,137	8,267	19,366	11,099
6			2,026	5,104	1,137	8,267	19,366	11,099
7			2,026	5,104	1,137	8,267	19,366	11,099
8			2,026	5,104	1,137	8,267	19,366	11,099
9			2,026	5,104	1,137	8,267	19,366	11,099
10			2,026	5,104	1,137	8,267	19,366	11,099
11		15,153	2,026	5,104	1,137	23,420	19,366	-4,054
12			2,026	5,104	1,137	8,267	19,366	11,099
13			2,026	5,104	1,137	8,267	19,366	11,099
14			2,026	5,104	1,137	8,267	19,366	11,099
15			2,026	5,104	1,137	8,267	19,366	11,099
16			2,026	5,104	1,137	8,267	19,366	11,099
17			2,026	5,104	1,137	8,267	19,366	11,099
18			2,026	5,104	1,137	8,267	19,366	11,099
19			2,026	5,104	1,137	8,267	19,366	11,099
20			2,026	5,104	1,137	8,267	19,366	11,099
21		15,153	2,026	5,104	1,137	23,420	19,366	-4,054
22			2,026	5,104	1,137	8,267	19,366	11,099
23			2,026	5,104	1,137	8,267	19,366	11,099
24			2,026	5,104	1,137	8,267	19,366	11,099
25			2,026	5,104	1,137	8,267	19,366	11,099
26			2,026	5,104	1,137	8,267	19,366	11,099
27			2,026	5,104	1,137	8,267	19,366	11,099
28			2,026	5,104	1,137	8,267	19,366	11,099
29			2,026	5,104	1,137	8,267	19,366	11,099
30			2,026	5,104	1,137	8,267	19,366	11,099
TOTAL	86,323	45,458	58,759	148,022	32,973	371,534	561,612	190,078

CUADRO A 8.5.2.22 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: POTRERO BALBINA (Mediana Escala)

Beneficiarios 6 productores

TIR 62.7%

Unidad: 1,000 Gs

	Situacion actual				Plan		
	Superficie (ha)	Produccion	Ingreso unitario	Ingreso agricola	Superficie (ha)	Costo	Utilidad
Algodon	6.0	9.0	379	3,411.0			
Tomate					0.6	8,734.8	43,124.4
Zanahoria					0.6	1,505.4	5,239.1
Esparrago					1.2	2,396.4	5,184.0
Melon					0.6	1,959.0	3,311.8
Maiz					3.0	717.0	1,238.5
Total	6.0	9.0		3,411.0	6.0	15,312.6	58,097.8

Año	Gastos						Ingreso	Margen Bruto
	Costo de Instalacion	Bomba	Manteni-miento	Administ-racion	Ingreso Perdido	Total		
1	43,987	14,248				58,235		-58,235
2			2,763	15,313	3,411	21,487	58,098	36,611
3			2,763	15,313	3,411	21,487	58,098	36,611
4			2,763	15,313	3,411	21,487	58,098	36,611
5			2,763	15,313	3,411	21,487	58,098	36,611
6			2,763	15,313	3,411	21,487	58,098	36,611
7			2,763	15,313	3,411	21,487	58,098	36,611
8			2,763	15,313	3,411	21,487	58,098	36,611
9			2,763	15,313	3,411	21,487	58,098	36,611
10			2,763	15,313	3,411	21,487	58,098	36,611
11		14,248	2,763	15,313	3,411	35,735	58,098	22,363
12			2,763	15,313	3,411	21,487	58,098	36,611
13			2,763	15,313	3,411	21,487	58,098	36,611
14			2,763	15,313	3,411	21,487	58,098	36,611
15			2,763	15,313	3,411	21,487	58,098	36,611
16			2,763	15,313	3,411	21,487	58,098	36,611
17			2,763	15,313	3,411	21,487	58,098	36,611
18			2,763	15,313	3,411	21,487	58,098	36,611
19			2,763	15,313	3,411	21,487	58,098	36,611
20			2,763	15,313	3,411	21,487	58,098	36,611
21		14,248	2,763	15,313	3,411	35,735	58,098	22,363
22			2,763	15,313	3,411	21,487	58,098	36,611
23			2,763	15,313	3,411	21,487	58,098	36,611
24			2,763	15,313	3,411	21,487	58,098	36,611
25			2,763	15,313	3,411	21,487	58,098	36,611
26			2,763	15,313	3,411	21,487	58,098	36,611
27			2,763	15,313	3,411	21,487	58,098	36,611
28			2,763	15,313	3,411	21,487	58,098	36,611
29			2,763	15,313	3,411	21,487	58,098	36,611
30			2,763	15,313	3,411	21,487	58,098	36,611
TOTAL	43,987	42,744	80,133	444,065	98,919	709,849	1,684,836	974,987

CUADRO A 8.5.2.23 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: **SANTO DOMINGO (Mediana Escala)**

Beneficiarios

6 productores

TIR

30.5%

Unidad: 1,000 Gs

	Situacion actual				Plan		
	Superficie (ha)	Produce.	Ingreso unitario	Ingreso agricola	Superficie (ha)	Costo	Utilidad
Algodon	6.0	9.0	379	3,411.0			
Tomate					0.6	8,734.8	43,124.4
Zanahoria					0.6	1,505.4	5,239.1
Esparrago					1.2	2,396.4	5,184.0
Melon					0.6	1,959.0	3,311.8
Maiz					3.0	717.0	1,238.5
Total	6.0	9.0		3,411.0	6.0	15,312.6	58,097.8

Año	Gastos					Ingreso Total	Ingreso	Margen Bruto
	Costo de Instalacion	Bomba	Mantenimiento	Administracion	Ingreso Perdido			
1	104,592	14,248				118,840		-118,840
2			2,763	15,313	3,411	21,487	58,098	36,611
3			2,763	15,313	3,411	21,487	58,098	36,611
4			2,763	15,313	3,411	21,487	58,098	36,611
5			2,763	15,313	3,411	21,487	58,098	36,611
6			2,763	15,313	3,411	21,487	58,098	36,611
7			2,763	15,313	3,411	21,487	58,098	36,611
8			2,763	15,313	3,411	21,487	58,098	36,611
9			2,763	15,313	3,411	21,487	58,098	36,611
10			2,763	15,313	3,411	21,487	58,098	36,611
11		14,248	2,763	15,313	3,411	35,735	58,098	22,363
12			2,763	15,313	3,411	21,487	58,098	36,611
13			2,763	15,313	3,411	21,487	58,098	36,611
14			2,763	15,313	3,411	21,487	58,098	36,611
15			2,763	15,313	3,411	21,487	58,098	36,611
16			2,763	15,313	3,411	21,487	58,098	36,611
17			2,763	15,313	3,411	21,487	58,098	36,611
18			2,763	15,313	3,411	21,487	58,098	36,611
19			2,763	15,313	3,411	21,487	58,098	36,611
20			2,763	15,313	3,411	21,487	58,098	36,611
21		14,248	2,763	15,313	3,411	35,735	58,098	22,363
22			2,763	15,313	3,411	21,487	58,098	36,611
23			2,763	15,313	3,411	21,487	58,098	36,611
24			2,763	15,313	3,411	21,487	58,098	36,611
25			2,763	15,313	3,411	21,487	58,098	36,611
26			2,763	15,313	3,411	21,487	58,098	36,611
27			2,763	15,313	3,411	21,487	58,098	36,611
28			2,763	15,313	3,411	21,487	58,098	36,611
29			2,763	15,313	3,411	21,487	58,098	36,611
30			2,763	15,313	3,411	21,487	58,098	36,611
TOTAL	104,592	42,744	80,133	444,065	98,919	770,454	1,684,836	914,382

CUADRO A 8.5.2.24 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: SAN PEDRO (Peq. Escala)

Beneficiarios 2 productores

TIR 12.9%

Unidad: 1,000 Gs

	Situación actual				Plan		
	Superficie (ha)	Producción	Ingreso unitario	Ingreso agrícola	Superficie (ha)	Costo	Utilidad
Algodon	2.0	3.0	379	1,137.0			
Tomate					0.2	2,911.6	14,374.8
Zanahoria					0.2	501.8	1,746.4
Esparrago					0.4	798.8	1,728.0
Melon					0.2	653.0	1,103.9
Maiz					1.0	239.0	412.8
Total	2.0	3.0		1,137.0	2.0	5,104.2	19,365.9

Año	Gastos						Ingreso	Margen Bruto
	Costo de Instalacion	Bomba	Mantenimiento	Administracion	Ingreso Perdido	Total		
1	62,529	15,153				77,681		-77,681
2			2,026	5,104	1,137	8,267	19,366	11,099
3			2,026	5,104	1,137	8,267	19,366	11,099
4			2,026	5,104	1,137	8,267	19,366	11,099
5			2,026	5,104	1,137	8,267	19,366	11,099
6			2,026	5,104	1,137	8,267	19,366	11,099
7			2,026	5,104	1,137	8,267	19,366	11,099
8			2,026	5,104	1,137	8,267	19,366	11,099
9			2,026	5,104	1,137	8,267	19,366	11,099
10			2,026	5,104	1,137	8,267	19,366	11,099
11		15,153	2,026	5,104	1,137	23,420	19,366	-4,054
12			2,026	5,104	1,137	8,267	19,366	11,099
13			2,026	5,104	1,137	8,267	19,366	11,099
14			2,026	5,104	1,137	8,267	19,366	11,099
15			2,026	5,104	1,137	8,267	19,366	11,099
16			2,026	5,104	1,137	8,267	19,366	11,099
17			2,026	5,104	1,137	8,267	19,366	11,099
18			2,026	5,104	1,137	8,267	19,366	11,099
19			2,026	5,104	1,137	8,267	19,366	11,099
20			2,026	5,104	1,137	8,267	19,366	11,099
21		15,153	2,026	5,104	1,137	23,420	19,366	-4,054
22			2,026	5,104	1,137	8,267	19,366	11,099
23			2,026	5,104	1,137	8,267	19,366	11,099
24			2,026	5,104	1,137	8,267	19,366	11,099
25			2,026	5,104	1,137	8,267	19,366	11,099
26			2,026	5,104	1,137	8,267	19,366	11,099
27			2,026	5,104	1,137	8,267	19,366	11,099
28			2,026	5,104	1,137	8,267	19,366	11,099
29			2,026	5,104	1,137	8,267	19,366	11,099
30			2,026	5,104	1,137	8,267	19,366	11,099
TOTAL	62,529	45,458	58,759	148,022	32,973	347,740	561,612	213,872

CUADRO A 8.5.2.25 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS

Nombre de la Localidad: CALLE 1 (Peq. Escala)

Beneficiarios 2 productores

TIR 10.3%

Unidad: 1,000 Gs

	Situacion actual				Plan		
	Superficie (ha)	Produccion	Ingreso unitario	Ingreso agricola	Superficie (ha)	Costo	Utilidad
Algodon	2.0	3.0	379	1,137.0			
Tomate					0.2	2,911.6	14,374.8
Zanahoria					0.2	501.8	1,746.4
Esparrago					0.4	798.8	1,728.0
Melon					0.2	653.0	1,103.9
Maiz					1.0	239.0	412.8
Total	2.0	3.0		1,137.0	2.0	5,104.2	19,365.9

Año	Gastos					Ingreso Total	Ingreso	Margen Bruto
	Costo de Instalacion	Bomba	Manteni-miento	Administ-racion	Ingreso perdido			
1	71,681	15,153				86,833		-86,833
2			2,803	5,104	1,137	9,044	19,366	10,322
3			2,803	5,104	1,137	9,044	19,366	10,322
4			2,803	5,104	1,137	9,044	19,366	10,322
5			2,803	5,104	1,137	9,044	19,366	10,322
6			2,803	5,104	1,137	9,044	19,366	10,322
7			2,803	5,104	1,137	9,044	19,366	10,322
8			2,803	5,104	1,137	9,044	19,366	10,322
9			2,803	5,104	1,137	9,044	19,366	10,322
10			2,803	5,104	1,137	9,044	19,366	10,322
11		15,153	2,803	5,104	1,137	24,197	19,366	-4,831
12			2,803	5,104	1,137	9,044	19,366	10,322
13			2,803	5,104	1,137	9,044	19,366	10,322
14			2,803	5,104	1,137	9,044	19,366	10,322
15			2,803	5,104	1,137	9,044	19,366	10,322
16			2,803	5,104	1,137	9,044	19,366	10,322
17			2,803	5,104	1,137	9,044	19,366	10,322
18			2,803	5,104	1,137	9,044	19,366	10,322
19			2,803	5,104	1,137	9,044	19,366	10,322
20			2,803	5,104	1,137	9,044	19,366	10,322
21		15,153	2,803	5,104	1,137	24,197	19,366	-4,831
22			2,803	5,104	1,137	9,044	19,366	10,322
23			2,803	5,104	1,137	9,044	19,366	10,322
24			2,803	5,104	1,137	9,044	19,366	10,322
25			2,803	5,104	1,137	9,044	19,366	10,322
26			2,803	5,104	1,137	9,044	19,366	10,322
27			2,803	5,104	1,137	9,044	19,366	10,322
28			2,803	5,104	1,137	9,044	19,366	10,322
29			2,803	5,104	1,137	9,044	19,366	10,322
30			2,803	5,104	1,137	9,044	19,366	10,322
TOTAL	71,681	45,458	81,287	148,022	32,973	379,420	561,612	182,192

CUADRO A 8.5.2.26 PROYECTO DE RIEGO EN CULTIVOS - DETALLES DE LOS COSTOS

	Benefic Escala arios No. product ores	Costo de la obra	Tendido electrico interno	Bomba	Total
CALLE 8	Med.	6 75,876	45,900	8,933	84,809
CALLE 6	Peq.	2 111,496	74,588	9,500	120,996
SANTA LIBRADA	Gran	25 167,406	51,638	11,195	178,601
SANTA LUCIA	Med.	6 54,686	22,950	8,933	63,619
SAN ANTONIO	Peq.	2 54,121	17,213	9,500	63,621
POTRERO BALIBINA	Med.	6 27,578	2,295	8,933	36,511
SANTO DOMINGO	Med.	6 65,575	34,425	8,933	74,508
SAN PEDRO	Peq.	2 39,203	2,295	9,500	48,703
CALLE 1	Peq.	2 44,941	8,033	9,500	54,441
TOTAL		57 640,882	259,337	84,927	725,809

	Benefic Escala arios No. product ores	Costo de la obra	Tendido electrico interno	Bomba	Total
CALLE 8	Med.	6 121,022	73,211	14,248	135,270
CALLE 6	Peq.	2 177,836	118,968	15,153	192,989
SANTA LIBRADA	Gran	25 267,013	82,363	17,856	284,869
SANTA LUCIA	Med.	6 87,224	36,605	14,248	101,472
SAN ANTONIO	Peq.	2 86,323	27,455	15,153	101,475
POTRERO BALIBINA	Med.	6 43,987	3,661	14,248	58,235
SANTO DOMINGO	Med.	6 104,592	54,908	14,248	118,840
SAN PEDRO	Peq.	2 62,529	3,661	15,153	77,681
CALLE 1	Peq.	2 71,681	12,813	15,153	86,833
TOTAL		57 1,022,207	413,643	135,459	1,157,665

CUADRO A 8.5.2.27 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS
(EVALUACION ECONOMICA)

Area: Global

Beneficiarios:

60 productores

TER

41.8%

Unidad:1,000Gs

	Superficie (ha)	Situacion actual			Superficie(ha)	Plan		Contrat. (personal)
		Produccion	Ingreso unitario	Ingreso Agricola		Costo	Utilidad	
Algodon	60.0	90.0	527	47,430.0				
Tomate					6.0	61,326.0	437,184.0	2,295
Zanahoria					6.0	10,026.0	53,217.0	384
Asparrago					12.0	12,744.0	52,358.4	1,613
Melon					6.0	10,542.0	35,456.4	342
Maiz					30.0	7,170.0	12,384.9	
Total	60.0	90.0		47,430.0	60.0	101,808.0	590,600.7	4,634

Año	Costo						Utilidad	Margen Bruto
	Costo de construc.	Bomba	Manteni- miento	Adminis- tracion	Ingreso Perdido	Total		
1	879,098	112,431				991,528		-991,528
2			25,533	101,808	47,430	174,771	590,601	415,830
3			25,533	101,808	47,430	174,771	590,601	415,830
4			25,533	101,808	47,430	174,771	590,601	415,830
5			25,533	101,808	47,430	174,771	590,601	415,830
6			25,533	101,808	47,430	174,771	590,601	415,830
7			25,533	101,808	47,430	174,771	590,601	415,830
8			25,533	101,808	47,430	174,771	590,601	415,830
9			25,533	101,808	47,430	174,771	590,601	415,830
10			25,533	101,808	47,430	174,771	590,601	415,830
11		112,431	25,533	101,808	47,430	287,202	590,601	303,399
12			25,533	101,808	47,430	174,771	590,601	415,830
13			25,533	101,808	47,430	174,771	590,601	415,830
14			25,533	101,808	47,430	174,771	590,601	415,830
15			25,533	101,808	47,430	174,771	590,601	415,830
16			25,533	101,808	47,430	174,771	590,601	415,830
17			25,533	101,808	47,430	174,771	590,601	415,830
18			25,533	101,808	47,430	174,771	590,601	415,830
19			25,533	101,808	47,430	174,771	590,601	415,830
20			25,533	101,808	47,430	174,771	590,601	415,830
21		112,431	25,533	101,808	47,430	287,202	590,601	303,399
22			25,533	101,808	47,430	174,771	590,601	415,830
23			25,533	101,808	47,430	174,771	590,601	415,830
24			25,533	101,808	47,430	174,771	590,601	415,830
25			25,533	101,808	47,430	174,771	590,601	415,830
26			25,533	101,808	47,430	174,771	590,601	415,830
27			25,533	101,808	47,430	174,771	590,601	415,830
28			25,533	101,808	47,430	174,771	590,601	415,830
29			25,533	101,808	47,430	174,771	590,601	415,830
30			25,533	101,808	47,430	174,771	590,601	415,830
TOTAL	879,098	337,292	740,457	2,952,432	1,375,470	6,284,749	17,127,420	10,842,672

CUADRO A 8.5.2.28 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN CULTIVOS
(BVALUACION ECONOMICA).

Area: Calle 6 (Pequena escala)

Beneficiarios: 2 productores

TER 5.9%

Unidad: 1,000Gs

	Situacion actual			Plan			
	Superficie (ha)	Produccion	Ingreso unitario	Ingreso Agricola	Superficie (ha)	Costo	Utilidad
Algodon	0.0	0.0	527	0.0			
Tomate					0.0	0.0	0.0
Zanahoria					0.0	0.0	0.0
Esparrago					0.0	0.0	0.0
Melon					0.0	0.0	0.0
maiz					0.0	0.0	0.0
Total	0.0	0.0		0.0	0.0	0.0	0.0

Año	Costo						Utilidad	Margen Bruto
	Costo de construc.	Bomba	Mantenimiento	Administracion	Ingreso perdido	Total		
1	152,939	12,577				165,516		-165,516
2			1,913	0	0	1,913	0	-1,913
3			1,913	0	0	1,913	0	-1,913
4			1,913	0	0	1,913	0	-1,913
5			1,913	0	0	1,913	0	-1,913
6			1,913	0	0	1,913	0	-1,913
7			1,913	0	0	1,913	0	-1,913
8			1,913	0	0	1,913	0	-1,913
9			1,913	0	0	1,913	0	-1,913
10			1,913	0	0	1,913	0	-1,913
11		12,577	1,913	0	0	14,489	0	-14,489
12			1,913	0	0	1,913	0	-1,913
13			1,913	0	0	1,913	0	-1,913
14			1,913	0	0	1,913	0	-1,913
15			1,913	0	0	1,913	0	-1,913
16			1,913	0	0	1,913	0	-1,913
17			1,913	0	0	1,913	0	-1,913
18			1,913	0	0	1,913	0	-1,913
19			1,913	0	0	1,913	0	-1,913
20			1,913	0	0	1,913	0	-1,913
21		12,577	1,913	0	0	14,489	0	-14,489
22			1,913	0	0	1,913	0	-1,913
23			1,913	0	0	1,913	0	-1,913
24			1,913	0	0	1,913	0	-1,913
25			1,913	0	0	1,913	0	-1,913
26			1,913	0	0	1,913	0	-1,913
27			1,913	0	0	1,913	0	-1,913
28			1,913	0	0	1,913	0	-1,913
29			1,913	0	0	1,913	0	-1,913
30			1,913	0	0	1,913	0	-1,913
TOTAL	152,939	37,730	55,472	0	0	246,141	0	-246,141

CUADRO A 8.5.2.29 PROYECTO DE INFRAESTRUCTURA DE RIEGOS EN (CULTIVOS ESTIMACION DE LA R.A.)

VPN del Aporte Externo Optimizado(10%) 1,812
 VPN del Aporte Local Utilizado(10%) 2,938,464
 RA 1,622

Año	Aporte Externo (1,000Gs)										Aporte Local (1,000Gs)				
	Gastos					Ingreso	Margen Bruto	Gastos					TOTAL		
	Infraestruct.	Bomba	Mantenim.	Administ.	Perdida			TOTAL	Infraestruct.	Bomba	Mantenim.	Administ.		Perdida	
1	253	31	0	29	17	264	-264	1,021,973	135,428	0	0	0	1,157,401		
2	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
3	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
4	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
5	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
6	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
7	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
8	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
9	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
10	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
11	0	31	6	29	17	83	295	0	135,428	26,540	153,097	34,093	349,158		
12	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
13	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
14	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
15	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
16	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
17	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
18	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
19	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
20	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
21	0	31	6	29	17	83	295	0	135,428	26,540	153,097	34,093	349,158		
22	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
23	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
24	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
25	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
26	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
27	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
28	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
29	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		
30	0	0	6	29	17	52	295	0	0	26,540	153,097	34,093	213,730		

CUADRO A 8.5.2.30 PROGRAMA DE VALIDACION DE LA CONSERVACION DE TIERRAS AGRICOLAS
TER 23.6%

Situación actual

Rubros	Sup.de cultivo	Producción
Algodon	600	900
Maiz	300	480

Año	Plan de Validación	Costos			Utilidad	Margen Bruto	
		Consevación de Suelo	Ingreso perdido	Total			
		Introducc. de maquinarias	Manteni- miento				
1	328,000			411,180	739,180	411,180	-328,000
2	13,000			383,768	396,768	383,768	-13,000
3	13,000			345,391	358,391	345,391	-13,000
4	13,000			299,339	312,339	299,339	-13,000
5	13,000			249,449	262,449	249,449	-13,000
6			19,800	199,559	219,359	241,883	22,524
7			19,800	152,996	172,796	256,269	83,474
8			19,800	112,197	131,997	291,587	159,590
9			19,800	78,538	98,338	344,652	246,314
10			19,800	52,358	72,158	411,180	339,022
11		300,000	19,800	33,160	352,960	411,180	58,220
12			19,800	19,896	39,696	411,180	371,484
13			19,800	11,275	31,075	411,180	380,105
14			19,800	6,013	25,813	411,180	385,367
15			19,800	3,007	22,807	411,180	388,373
16			19,800	1,403	21,203	411,180	389,977
17			19,800	608	20,408	411,180	390,772
18			19,800	243	20,043	411,180	391,137
19			19,800	89	19,889	411,180	391,291
20			19,800	30	19,830	411,180	391,350
21		300,000	19,800	9	319,809	411,180	91,371
22			19,800	2	19,802	411,180	391,378
23			19,800	1	19,801	411,180	391,379
24			19,800	0	19,800	411,180	391,380
25			19,800	0	19,800	411,180	391,380
26			19,800	0	19,800	411,180	391,380
27			19,800	0	19,800	411,180	391,380
28			19,800	0	19,800	411,180	391,380
29			19,800	0	19,800	411,180	391,380
30			19,800	0	19,800	411,180	391,380

Premisas

- 1) En caso de no ser realizarse la conservación de tierras agrícola, en 30 años el valor de la pro
- 2) La superficie del area con degradación de suelo es de 900 ha.
- 3) Los efectos de la validación se tendran a los 5 años.

CUADRO A 8.5.2.31 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

TIR

26.7%

Ingreso Perdido

Rubros	Superficie	Produc.	Ingreso
Algodón	0.3	0.3	81
Maíz	0.4	0.4	58
Poroto	0.3	0.3	146
Lechería	1 cabeza	1.0	294
Total			580

Costos de la obra

	Superf.	Prec.unit.	Costo
Mejoram de pastura	1.5	1,957	2,936
Inseminación artificial			165
Total			3,101

		1er.año	2do.año	3er.año	4to.año	5to.año
Raza actual	No.de cabeza	1.0	1.0	1.0	1.0	
	Vol.de leche	1.0	1.0	1.0	1.0	
Raza mejorada	No.de cabeza	0.0	0.5	1.5	3.0	5.0
	Vol.de leche	0.0	1.0	3.0	6.0	10.0
Total	No.de cabeza	1.0	1.5	2.5	4.0	5.0
	Vol.de leche	1.0	2.0	4.0	7.0	10.0

Año	Gastos				Utilidad	Margen Bruto
	Infraestructuras Básicas	Adminis-tración	Ingreso Perdido	Total		
1	3,101	167	580	3,847	480	-3,367
2		442	580	1,022	960	-62
3		947	580	1,527	1,920	394
4		1,817	580	2,397	3,360	964
5		2,750	580	3,330	4,800	1,471
6		2,750	580	3,330	4,800	1,471
7		2,750	580	3,330	4,800	1,471
8		2,750	580	3,330	4,800	1,471
9		2,750	580	3,330	4,800	1,471
10		2,750	580	3,330	4,800	1,471
11		2,750	580	3,330	4,800	1,471
12		2,750	580	3,330	4,800	1,471
13		2,750	580	3,330	4,800	1,471
14		2,750	580	3,330	4,800	1,471
15		2,750	580	3,330	4,800	1,471
16		2,750	580	3,330	4,800	1,471
17		2,750	580	3,330	4,800	1,471
18		2,750	580	3,330	4,800	1,471
19		2,750	580	3,330	4,800	1,471
20		2,750	580	3,330	4,800	1,471
21		2,750	580	3,330	4,800	1,471
22		2,750	580	3,330	4,800	1,471
23		2,750	580	3,330	4,800	1,471
24		2,750	580	3,330	4,800	1,471
25		2,750	580	3,330	4,800	1,471
26		2,750	580	3,330	4,800	1,471
27		2,750	580	3,330	4,800	1,471
28		2,750	580	3,330	4,800	1,471
29		2,750	580	3,330	4,800	1,471
30		2,750	580	3,330	4,800	1,471

CUADRO A 8.5.2.32 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

TIR

30.4%

Ingreso perdido

Rubros	Superficie	Producción	Ingreso
Man	0.3	0.3	81
Poroto	0.7	0.7	342
Lechería	† cab.	1.0	294
Total			716

Costo de la obra

	Superficie	Producción	Ingreso
Mejoram.de pastura	0.6	1,957	1,174
Inseminación artificial			165
Total			1,339

		1er.año	2do.año	3er.año	4to.año	5to.año
Raza actual	No. de cabeza	1.0	1.0	1.0	1.0	
	Vol. de leche	1.0	1.0	1.0	1.0	
Raza mejorada	No. de cabeza	0.0	0.5	1.5	3.0	4.0
	Vol. de leche	0.0	1.0	3.0	6.0	8.0
Total	No. de cabeza	1.0	1.5	2.5	4.0	4.0
	Vol. de leche	1.0	2.0	4.0	7.0	8.0

Año	Gastos			Ingreso perdido	Utilidad	Margen Bruto
	Infraestructura Básica	Administración	WITHOUT			
1	1,339	167	716	2,223	480	-1,743
2		442	716	1,158	960	-198
3		947	716	1,663	1,920	257
4		1,817	716	2,533	3,360	827
5		2,200	716	2,916	3,840	924
6		2,200	716	2,916	3,840	924
7		2,200	716	2,916	3,840	924
8		2,200	716	2,916	3,840	924
9		2,200	716	2,916	3,840	924
10		2,200	716	2,916	3,840	924
11		2,200	716	2,916	3,840	924
12		2,200	716	2,916	3,840	924
13		2,200	716	2,916	3,840	924
14		2,200	716	2,916	3,840	924
15		2,200	716	2,916	3,840	924
16		2,200	716	2,916	3,840	924
17		2,200	716	2,916	3,840	924
18		2,200	716	2,916	3,840	924
19		2,200	716	2,916	3,840	924
20		2,200	716	2,916	3,840	924
21		2,200	716	2,916	3,840	924
22		2,200	716	2,916	3,840	924
23		2,200	716	2,916	3,840	924
24		2,200	716	2,916	3,840	924
25		2,200	716	2,916	3,840	924
26		2,200	716	2,916	3,840	924
27		2,200	716	2,916	3,840	924
28		2,200	716	2,916	3,840	924
29		2,200	716	2,916	3,840	924
30		2,200	716	2,916	3,840	924

CUADRO A 8.5.2.33 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

Tipo 1 (por productor)

		1er año	2do.año	3er.año	4to.año	5to.año
Raza actual	No. de cabezas	1.0	1.0	1.0	1.0	
	Vol. de leche	1.3	1.3	1.3	1.3	0.0
Raza mejorada	No. de cabezas	0.0	1.0	2.0	4.0	6.0
	Vol. de leche	0.0	2.0	4.0	8.0	12.0
Total	No. de cabezas	1.0	2.0	3.0	5.0	6.0
	Vol. de leche	1.3	3.3	5.3	9.3	12.0

Tipo 2 (por productor)

		1er año	2do.año	3er.año	4to.año	5to.año
Raza actual	No. de cabezas	1.0	1.0	1.0	1.0	
	Vol. de leche	1.3	1.3	1.3	1.3	0.0
Raza mejorada	No. de cabezas	0.0	1.0	2.0	4.0	5.0
	Vol. de leche	0.0	2.0	4.0	8.0	10.0
Total	No. de cabezas	1.0	2.0	3.0	5.0	5.0
	Vol. de leche	1.3	3.3	5.3	9.3	10.0

Tipo 1 (por productor)

		1er año	2do.año	3er.año	4to.año	5to.año
Raza actual	No. de cabezas	170	170	170	170	0
	Vol. de leche	221	221	221	221	0
Raza mejorada	No. de cabezas	0	170	340	680	1,020
	Vol. de leche	0	340	680	1,360	2,040
Total	No. de cabezas	170	340	510	850	1,020
	Vol. de leche	221	561	901	1,581	2,040

Tipo 2 (por productor)

		1er año	2do.año	3er.año	4to.año	5to.año
Raza actual	No. de cabezas	640	640	640	640	0
	Vol. de leche	832	832	832	832	0
Raza mejorada	No. de cabezas	0	640	1,280	2,560	3,200
	Vol. de leche	0	1,280	2,560	5,120	6,400
Total	No. de cabezas	640	1,280	1,920	3,200	3,200
	Vol. de leche	832	2,112	3,392	5,952	6,400

CUADRO A 8.5.2.34 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

TTR 36.3%

Año	Gastos				Total	Verba Mate	Naranja	Paraiso	Perdida	Ingreso				Margen Bruto
	Verba Mate	Naranja	Paraiso	Perdida						Total	Verba Mate	Naranja	Paraiso	
1	166	589	15	217	987	0	0	0	0	0	0	0	0	-987
2	21	184	0	217	423	0	0	0	0	0	0	0	0	-423
3	57	255	0	217	529	0	0	0	0	0	0	0	0	-529
4	82	271	0	217	571	96	0	0	0	0	0	0	96	-475
5	82	283	0	217	582	96	608	0	0	0	704	0	0	122
6	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
7	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
8	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
9	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
10	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
11	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
12	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
13	82	517	51	217	867	96	2,896	122	0	0	3,114	0	0	2,247
14	82	517	15	217	831	96	2,896	0	0	0	2,992	0	0	2,161
15	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
16	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
17	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
18	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
19	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
20	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
21	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
22	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
23	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
24	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
25	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
26	82	517	51	217	867	96	2,896	122	0	0	3,114	0	0	2,247
27	82	517	15	217	831	96	2,896	0	0	0	2,992	0	0	2,161
28	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
29	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176
30	82	517	0	217	816	96	2,896	0	0	0	2,992	0	0	2,176

CUADRO A 8.5.2.35 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

TIR 39.1%

Año	Gastos				Total	Yerba Mate	Naranja	Ingreso		Margen	
	Yerba Mate	Naranja	Paraiso	Pidida				Paraiso	Naranja	Total	Bruto
1	166	757	20	208	1,130	0	0	0	0	0	-1,130
2	21	231	0	208	459	0	0	0	0	0	-459
3	57	319	0	208	583	0	0	0	0	0	-583
4	82	339	0	208	629	96	0	0	0	96	-533
5	82	354	0	208	643	96	760	0	0	856	213
6	82	646	0	208	936	96	3,620	0	0	3,716	2,780
7	82	646	0	208	936	96	3,620	0	0	3,716	2,780
8	82	646	0	208	936	96	3,620	0	0	3,716	2,780
9	82	646	0	208	936	96	3,620	0	0	3,716	2,780
10	82	646	0	208	936	96	3,620	0	0	3,716	2,780
11	82	646	0	208	936	96	3,620	0	0	3,716	2,780
12	82	646	0	208	936	96	3,620	0	0	3,716	2,780
13	82	646	68	208	1,004	96	3,620	163	0	3,879	2,875
14	82	646	20	208	956	96	3,620	0	0	3,716	2,760
15	82	646	0	208	936	96	3,620	0	0	3,716	2,780
16	82	646	0	208	936	96	3,620	0	0	3,716	2,780
17	82	646	0	208	936	96	3,620	0	0	3,716	2,780
18	82	646	0	208	936	96	3,620	0	0	3,716	2,780
19	82	646	0	208	936	96	3,620	0	0	3,716	2,780
20	82	646	0	208	936	96	3,620	0	0	3,716	2,780
21	82	646	0	208	936	96	3,620	0	0	3,716	2,780
22	82	646	0	208	936	96	3,620	0	0	3,716	2,780
23	82	646	0	208	936	96	3,620	0	0	3,716	2,780
24	82	646	0	208	936	96	3,620	0	0	3,716	2,780
25	82	646	0	208	936	96	3,620	0	0	3,716	2,780
26	82	646	68	208	1,004	96	3,620	163	0	3,879	2,875
27	82	646	20	208	956	96	3,620	0	0	3,716	2,760
28	82	646	0	208	936	96	3,620	0	0	3,716	2,780
29	82	646	0	208	936	96	3,620	0	0	3,716	2,780
30	82	646	0	208	936	96	3,620	0	0	3,716	2,780

CUADRO A 8.5.2.37 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

TIR 9.0%

No.de productores: 840 Aporte: 700 miles Gs

Año	Gastos				Total	Ingreso	Margen Bruto
	Mejoram. de Caminos	Mantenim.de Caminos	Agua potable	Manteni-miento			
1	2,494,580	133,502			2,628,082		-2,628,082
2	494,450	133,502	252,010		879,962	0	-879,962
3	494,450	133,502		15,642	643,594	0	-643,594
4	494,450	133,502		15,642	643,594	0	-643,594
5	543,895	133,502		15,642	693,039	0	-693,039
6		133,502		15,642	149,144	0	-149,144
7		133,502		15,642	149,144	0	-149,144
8		133,502		15,642	149,144	0	-149,144
9		133,502		15,642	149,144	0	-149,144
10		133,502		15,642	149,144	0	-149,144
11		133,502		15,642	149,144	0	-149,144
12		133,502		15,642	149,144	0	-149,144
13		133,502		15,642	149,144	0	-149,144
14		133,502		15,642	149,144	0	-149,144
15		133,502		15,642	149,144	0	-149,144
16		133,502		15,642	149,144	0	-149,144
17		133,502		15,642	149,144	0	-149,144
18		133,502		15,642	149,144	0	-149,144
19		133,502		15,642	149,144	0	-149,144
20		133,502		15,642	149,144	0	-149,144
21		133,502		15,642	149,144	0	-149,144
22		133,502		15,642	149,144	0	-149,144
23		133,502		15,642	149,144	0	-149,144
24		133,502		15,642	149,144	0	-149,144
25		133,502		15,642	149,144	0	-149,144
26		133,502		15,642	149,144	0	-149,144
27		133,502		15,642	149,144	0	-149,144
28		133,502		15,642	149,144	0	-149,144
29		133,502		15,642	149,144	0	-149,144
30		133,502		15,642	149,144	0	-149,144

CUADRO A 8.5.2.38 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUL Y SU ARBA DE INFLUENCIA

TIR 21.2% VNP(10%) 28,569

Recepción Envío
Leche cr 540 555 Gs/Lts.

Plan de recepción (Klts)

Año	1	2	3	4
Recep.	350	525	700	875

Año	Gastos				Utilidad	Margen Bruto
	Instalación	Manteni-miento	Adquisic.de materia prima	Total		
1	35,090	3,474	189,000	227,564	194,250	-33,314
2		3,474	283,500	286,974	291,375	4,401
3		3,474	378,000	381,474	388,500	7,026
4		3,474	472,500	475,974	485,625	9,651
5		3,474	472,500	475,974	485,625	9,651
6		3,474	472,500	475,974	485,625	9,651
7		3,474	472,500	475,974	485,625	9,651
8		3,474	472,500	475,974	485,625	9,651
9		3,474	472,500	475,974	485,625	9,651
10		3,474	472,500	475,974	485,625	9,651
11	35,090	3,474	472,500	511,064	485,625	-25,439
12		3,474	472,500	475,974	485,625	9,651
13		3,474	472,500	475,974	485,625	9,651
14		3,474	472,500	475,974	485,625	9,651
15		3,474	472,500	475,974	485,625	9,651
16		3,474	472,500	475,974	485,625	9,651
17		3,474	472,500	475,974	485,625	9,651
18		3,474	472,500	475,974	485,625	9,651
19		3,474	472,500	475,974	485,625	9,651
20		3,474	472,500	475,974	485,625	9,651
21	35,090	3,474	472,500	511,064	485,625	-25,439
22		3,474	472,500	475,974	485,625	9,651
23		3,474	472,500	475,974	485,625	9,651
24		3,474	472,500	475,974	485,625	9,651
25		3,474	472,500	475,974	485,625	9,651
26		3,474	472,500	475,974	485,625	9,651
27		3,474	472,500	475,974	485,625	9,651
28		3,474	472,500	475,974	485,625	9,651
29		3,474	472,500	475,974	485,625	9,651
30		3,474	472,500	475,974	485,625	9,651

CUADRO A 8.5.2.39 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU ARHA DE INFLUENCIA

TIR 27.8% VPN(10%) 571,200

Plan de Procesamiento

	1	2	3	4	
Familiar	175	540	810	1,080	KLts.

	Mat.prima	Leche cruda	Yoghurt	Queso	
Precio unitario	515	800	800	4,300	Gs/Lts.
Proporcion de proces.		95%	95%	11.4%	

Año	Gastos					Ingreso	Margen Bruto
	Maquina- rias y otros	Instalacio- nes	Adquisic.de materia prima	Manteni- mientos	Total		
1	95,700	191,400			287,100		-287,100
2			90,125	11,653	101,778	117,262	15,484
3			278,100	30,450	308,550	361,836	53,286
4			417,150	44,355	461,505	542,754	81,249
5			556,200	44,355	600,555	723,672	123,117
6			556,200	44,355	600,555	723,672	123,117
7			556,200	44,355	600,555	723,672	123,117
8			556,200	44,355	600,555	723,672	123,117
9			556,200	44,355	600,555	723,672	123,117
10			556,200	44,355	600,555	723,672	123,117
11	95,700		556,200	44,355	696,255	723,672	27,417
12			556,200	44,355	600,555	723,672	123,117
13			556,200	44,355	600,555	723,672	123,117
14			556,200	44,355	600,555	723,672	123,117
15			556,200	44,355	600,555	723,672	123,117
16			556,200	44,355	600,555	723,672	123,117
17			556,200	44,355	600,555	723,672	123,117
18			556,200	44,355	600,555	723,672	123,117
19			556,200	44,355	600,555	723,672	123,117
20			556,200	44,355	600,555	723,672	123,117
21	95,700		556,200	44,355	696,255	723,672	27,417
22			556,200	44,355	600,555	723,672	123,117
23			556,200	44,355	600,555	723,672	123,117
24			556,200	44,355	600,555	723,672	123,117
25			556,200	44,355	600,555	723,672	123,117
26			556,200	44,355	600,555	723,672	123,117
27			556,200	44,355	600,555	723,672	123,117
28			556,200	44,355	600,555	723,672	123,117
29			556,200	44,355	600,555	723,672	123,117
30			556,200	44,355	600,555	723,672	123,117

El costo de operacion y mantenimiento=costo de mantenimiento(4.4% del costo de maquinarias)+costos de persona

La vida útil de las maquinarias 10 años

CUADRO A 8.5.2.40 PROYECTO DE FORTALECIMIENTO DEL PARQUE NACIONAL YBYCUI Y SU AREA DE INFLUENCIA (PROCESAMIENTO DE DULCES Y MERMELADAS)

TIR 14.1%

Volúmen Producción y Volúmen de Procesamiento Industrial

Año	Tipo 1	Tipo 2	Total	Planta procesadora	
				3 lugares	1 lugar
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	286	1,344	1,630	315	315
6	1,360	6,400	7,760	1,500	500
7	1,360	6,400	7,760	1,500	500

Precio de Recepción 362 Precio de Despacho 500
 Porcentaje de procesamiento: 95%

Unidad: Gs1,000

Año	Instalación	Gastos				Utilidad	Margen Bruto
		Maquina- rias	manteni- miento	materia prima	Total		
1	191,400	149,930			341,330		-341,330
2			9,306	114,030	123,336	157,500	34,164
3			9,306	181,000	190,306	250,000	59,694
4			9,306	181,000	190,306	250,000	59,694
5			9,306	181,000	190,306	250,000	59,694
6			9,306	181,000	190,306	250,000	59,694
7			9,306	181,000	190,306	250,000	59,694
8			9,306	181,000	190,306	250,000	59,694
9			9,306	181,000	190,306	250,000	59,694
10			9,306	181,000	190,306	250,000	59,694
11		149,930	9,306	181,000	340,236	250,000	-90,236
12			9,306	181,000	190,306	250,000	59,694
13			9,306	181,000	190,306	250,000	59,694
14			9,306	181,000	190,306	250,000	59,694
15			9,306	181,000	190,306	250,000	59,694
16			9,306	181,000	190,306	250,000	59,694
17			9,306	181,000	190,306	250,000	59,694
18			9,306	181,000	190,306	250,000	59,694
19			9,306	181,000	190,306	250,000	59,694
20			9,306	181,000	190,306	250,000	59,694
21		149,930	9,306	181,000	340,236	250,000	-90,236
22			9,306	181,000	190,306	250,000	59,694
23			9,306	181,000	190,306	250,000	59,694
24			9,306	181,000	190,306	250,000	59,694
25			9,306	181,000	190,306	250,000	59,694
26			9,306	181,000	190,306	250,000	59,694
27			9,306	181,000	190,306	250,000	59,694
28			9,306	181,000	190,306	250,000	59,694
29			9,306	181,000	190,306	250,000	59,694
30			9,306	181,000	190,306	250,000	59,694

CUADRO A 8.5.2.41 PROYECTO DE FORTALECIMIENTO DEL PARQUE
 EIRR 12.7% NACIONAL YBYCUI Y SU AREA DE INFLUENCIA

AÑO 次	COSTO			BENEFIT				CASH FLOW
	OBRA	MANTIE.	TOTAL	VISIT	WELL.	CONSER.	TOTAL	
1	10,718		10,718	5,000			5,000	-5,718
2	97,136		97,136	10,000		1,777	11,777	-85,359
3	58,951		58,951	15,000		3,553	18,553	-40,398
4	37,514		37,514	20,000		5,330	25,330	-12,184
5	133,980		133,980	23,000		7,107	30,107	-103,873
6		3,128	3,128	23,000		8,883	31,883	28,755
7		3,128	3,128	23,000		10,660	33,660	30,532
8		3,128	3,128	23,000		12,437	35,437	32,308
9		3,128	3,128	23,000		14,213	37,213	34,085
10		3,128	3,128	23,000		15,990	38,990	35,862
11		3,128	3,128	23,000		17,767	40,767	37,638
12		3,128	3,128	23,000		19,543	42,543	39,415
13		3,128	3,128	23,000		21,320	44,320	41,192
14		3,128	3,128	23,000		23,097	46,097	42,968
15		3,128	3,128	23,000	30,000	24,873	77,873	74,745
16	37,642	3,128	40,770	23,000		26,650	49,650	8,880
17		3,128	3,128	23,000		28,427	51,427	48,298
18		3,128	3,128	23,000		30,203	53,203	50,075
19		3,128	3,128	23,000		31,980	54,980	51,852
20		3,128	3,128	23,000		33,757	56,757	53,628
21		3,128	3,128	23,000		35,533	58,533	55,405
22		3,128	3,128	23,000		37,310	60,310	57,182
23		3,128	3,128	23,000		39,087	62,087	58,958
24		3,128	3,128	23,000		40,863	63,863	60,735
25		3,128	3,128	23,000	30,000	42,640	95,640	92,512
26	37,642	3,128	40,770	23,000		44,417	67,417	26,646
27		3,128	3,128	23,000		46,193	69,193	66,065
28		3,128	3,128	23,000		47,970	70,970	67,842
29		3,128	3,128	23,000		49,747	72,747	69,618
30		3,128	3,128	23,000		51,523	74,523	71,395

CUADRO A 8.5.2.42 PROGRAMA DE MEJORAMIENTO DE SUELO Y PROMOCION DEL CULTIVO DE ALGODON (GLOBAL)

TIR 23.6%

Año	Gastos				Ingreso			Margen Bruto	
	Finca		Cooperativa	Desmotadora	Total	Finca	Desmotadora		Total
	Manejo	Ing. Perdido							
1			839,902	5,806,677	6,646,579				-6,646,579
2	3,777,800	1,891,968	965,000	6,057,328	12,672,096	4,964,544	7,269,407	12,233,951	-438,146
3	3,777,800	1,828,902	161,593	6,941,504	12,709,800	5,728,320	8,387,777	14,116,097	1,406,297
4	3,777,800	1,765,837	161,593	7,845,680	13,550,910	6,492,096	9,506,147	15,998,243	2,447,333
5	3,777,800	1,702,771	161,593	8,297,768	13,939,933	6,873,984	9,506,147	16,380,131	2,440,198
6	3,777,800	1,639,706	161,593	8,297,768	13,876,867	6,873,984	9,506,147	16,380,131	2,503,264
7	3,777,800	1,576,640	161,593	8,297,768	13,813,802	6,873,984	9,506,147	16,380,131	2,566,329
8	3,777,800	1,513,574	161,593	8,297,768	13,750,736	6,873,984	9,506,147	16,380,131	2,629,395
9	3,777,800	1,450,509	161,593	8,297,768	13,687,670	6,873,984	9,506,147	16,380,131	2,692,461
10	3,777,800	1,387,443	161,593	8,297,768	13,624,605	6,873,984	9,506,147	16,380,131	2,755,526
11	3,777,800	1,324,378	1,001,496	16,304,445	22,408,119	6,873,984	9,506,147	16,380,131	-6,027,988
12	3,777,800	1,261,312	1,048,104	8,297,768	14,384,984	6,873,984	9,506,147	16,380,131	1,995,147
13	3,777,800	1,198,246	161,593	8,297,768	13,435,408	6,873,984	9,506,147	16,380,131	2,944,723
14	3,777,800	1,135,181	161,593	8,297,768	13,372,342	6,873,984	9,506,147	16,380,131	3,007,789
15	3,777,800	1,072,115	161,593	8,297,768	13,309,277	6,873,984	9,506,147	16,380,131	3,070,854
16	3,777,800	1,009,050	161,593	8,297,768	13,246,211	6,873,984	9,506,147	16,380,131	3,133,920
17	3,777,800	945,984	161,593	8,297,768	13,183,146	6,873,984	9,506,147	16,380,131	3,196,985
18	3,777,800	882,918	161,593	8,297,768	13,120,080	6,873,984	9,506,147	16,380,131	3,260,051
19	3,777,800	819,853	161,593	8,297,768	13,057,014	6,873,984	9,506,147	16,380,131	3,323,117
20	3,777,800	756,787	161,593	8,297,768	12,993,949	6,873,984	9,506,147	16,380,131	3,386,182
21	3,777,800	693,722	1,001,496	14,104,445	19,577,463	6,873,984	9,506,147	16,380,131	-3,197,332
22	3,777,800	630,656	1,048,104	8,297,768	13,754,328	6,873,984	9,506,147	16,380,131	2,625,803
23	3,777,800	567,590	161,593	8,297,768	12,804,752	6,873,984	9,506,147	16,380,131	3,575,379
24	3,777,800	504,525	161,593	8,297,768	12,741,686	6,873,984	9,506,147	16,380,131	3,638,445
25	3,777,800	441,459	161,593	8,297,768	12,678,621	6,873,984	9,506,147	16,380,131	3,701,510
26	3,777,800	378,394	161,593	8,297,768	12,615,555	6,873,984	9,506,147	16,380,131	3,764,576
27	3,777,800	315,328	161,593	8,297,768	12,552,490	6,873,984	9,506,147	16,380,131	3,827,641
28	3,777,800	252,262	161,593	8,297,768	12,489,424	6,873,984	9,506,147	16,380,131	3,890,707
29	3,777,800	189,197	161,593	8,297,768	12,426,358	6,873,984	9,506,147	16,380,131	3,953,773
30	3,777,800	126,131	161,593	8,297,768	12,363,293	6,873,984	9,506,147	16,380,131	4,016,838

CUADRO A 8.5.2.43 PROGRAMA DE MEJORAMIENTO DE SUELO Y PROMOCION DEL CULTIVO DE ALGODON (INGRESO Y EGRESO DE FINCA)

Sup.

1.6 ha

Año	Gastos				Ingreso	Margen Bruto	
	Aporte	Abono verde	Administrat.	Ing. perdido			
1	200	141	1,312	728	2,381	2,597	216
2	200	141	1,312	728	2,381	2,597	216
3	200	141	1,312	728	2,381	2,597	216
4	200	141	1,312	728	2,381	2,597	216
5	200	141	1,312	728	2,381	2,597	216
6	200	141	1,312	728	2,381	2,597	216
7	200	141	1,312	728	2,381	2,597	216
8	200	141	1,312	728	2,381	2,597	216
9	200	141	1,312	728	2,381	2,597	216
10	200	141	1,312	728	2,381	2,597	216
11	200	141	1,312	728	2,381	2,597	216
12	200	141	1,312	728	2,381	2,597	216
13	200	141	1,312	728	2,381	2,597	216
14	200	141	1,312	728	2,381	2,597	216
15	200	141	1,312	728	2,381	2,597	216
16	200	141	1,312	728	2,381	2,597	216
17	200	141	1,312	728	2,381	2,597	216
18	200	141	1,312	728	2,381	2,597	216
19	200	141	1,312	728	2,381	2,597	216
20	200	141	1,312	728	2,381	2,597	216
21	200	141	1,312	728	2,381	2,597	216
22	200	141	1,312	728	2,381	2,597	216
23	200	141	1,312	728	2,381	2,597	216
24	200	141	1,312	728	2,381	2,597	216
25	200	141	1,312	728	2,381	2,597	216
26	200	141	1,312	728	2,381	2,597	216
27	200	141	1,312	728	2,381	2,597	216
28	200	141	1,312	728	2,381	2,597	216
29	200	141	1,312	728	2,381	2,597	216
30	200	141	1,312	728	2,381	2,597	216

El rendimiento ira bajando gradualmente debido al monocultivo y al daño por picudo

CUADRO A 8.5.2.44 PROGRAMA DE MEJORAMIENTO DE SUELO Y PROMOCION
DEL CULTIVO DE ALGODON (UTILIDAD DE LA COOPERATIVA)

TIR

16.1%

Aporte

200 mil Gs

Unidad:1,000Gs

Año	Gastos				Ingreso	Margen bruto
	Maquinarias	Abono verde	Mantenimiento y Reparacion	Total		
1	792,824	47,078		839,902		-839,902
2	839,433	47,078	78,490	965,000	260,000	-705,000
3			161,593	161,593	520,000	358,407
4			161,593	161,593	520,000	358,407
5			161,593	161,593	520,000	358,407
6			161,593	161,593	520,000	358,407
7			161,593	161,593	520,000	358,407
8			161,593	161,593	520,000	358,407
9			161,593	161,593	520,000	358,407
10			161,593	161,593	520,000	358,407
11	792,824	47,078	161,593	1,001,496	520,000	-481,496
12	839,433	47,078	161,593	1,048,104	520,000	-528,104
13			161,593	161,593	520,000	358,407
14			161,593	161,593	520,000	358,407
15			161,593	161,593	520,000	358,407
16			161,593	161,593	520,000	358,407
17			161,593	161,593	520,000	358,407
18			161,593	161,593	520,000	358,407
19			161,593	161,593	520,000	358,407
20			161,593	161,593	520,000	358,407
21	792,824	47,078	161,593	1,001,496	520,000	-481,496
22	839,433	47,078	161,593	1,048,104	520,000	-528,104
23			161,593	161,593	520,000	358,407
24			161,593	161,593	520,000	358,407
25			161,593	161,593	520,000	358,407
26			161,593	161,593	520,000	358,407
27			161,593	161,593	520,000	358,407
28			161,593	161,593	520,000	358,407
29			161,593	161,593	520,000	358,407
30			161,593	161,593	520,000	358,407

CUADRO A 8.5.2.45 PROGRAMA DE MEJORAMIENTO DE SUELO Y PROMOCION DEL CULTIVO DE ALGODON (DESMOTADORA)

TIR 16.1%

Precio unitario y volumen de produccion

	Precio unitario		1	2	3	4	
Materia prima	1,050	1,000Gs/t	4,867	5,616	6,365	6,739	t/Year
Fibra	2,603	1,000Gs/t	1,704	1,966	2,228	2,359	t/Year
S. p/ semilla	2,120	1,000Gs/t	1,217	1,404	1,591	1,685	t/Year
S. p/ aceite	150	1,000Gs/t	1,704	1,966	2,228	2,359	t/Year

Año	Limite	Costo				Ganancia	Fluc. Efect.
		Maquina	Mat.Pri.	Manten.	Total		
1		5,806,677			5,806,677		-5,806,677
2			5,110,560	926,768	6,037,328	7,269,407	1,232,078
3			5,896,800	1,044,704	6,941,504	8,387,777	1,446,273
4			6,683,040	1,162,640	7,845,680	9,506,147	1,660,467
5			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
6			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
7			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
8			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
9			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
10			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
11	2,200,000	5,806,677	7,076,160	1,221,608	16,304,445	9,506,147	-6,798,298
12			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
13			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
14			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
15			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
16			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
17			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
18			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
19			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
20			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
21		5,806,677	7,076,160	1,221,608	14,104,445	9,506,147	-4,598,298
22			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
23			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
24			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
25			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
26			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
27			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
28			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
29			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379
30			7,076,160	1,221,608	8,297,768	9,506,147	1,208,379

Costo de mantenimiento = C. de mant. (4.4% de maquina + Costo de manejo 15% de materia prima)

El precio de Semilla para semilla, segun MAG

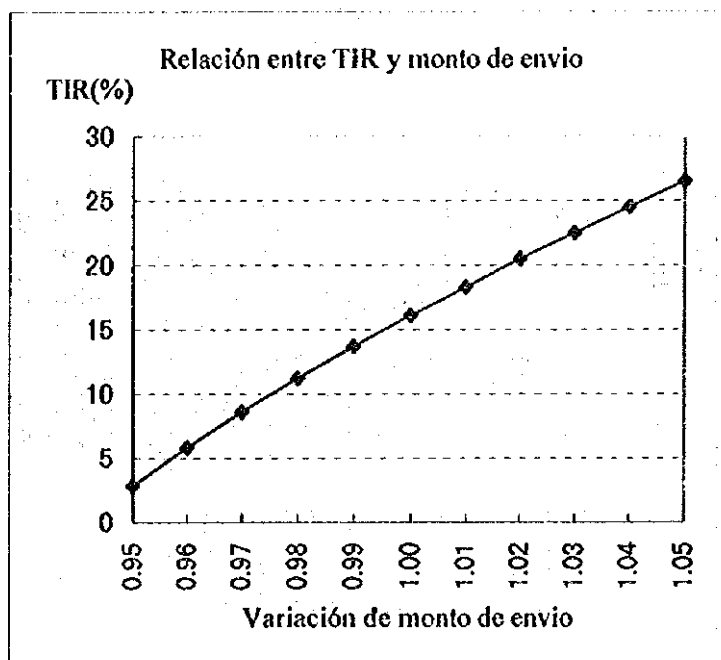
Tractor sera depreciado en tres años

La reparacion del finde se realizara a lo 10 años de funcionamiento

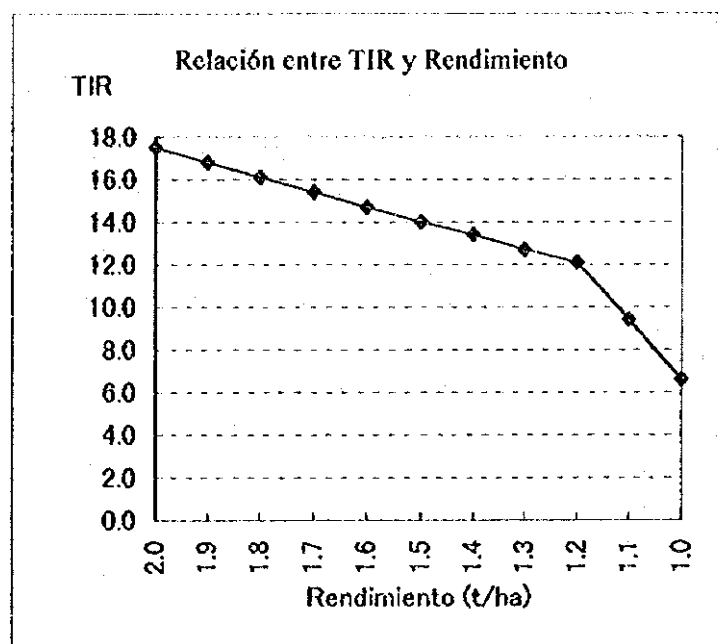
Vida util de maquinarias 10 años

CUADRO A 8.5.2.46 PROGRAMA DE MEJORAMIENTO DE SUELO Y PROMOCION DEL CULTIVO DE ALGODON (ANALISIS DE LA FLUCTUACION VARIACION (DESMOTADORA))

Variación de monto de	TIR
0.95	2.8
0.96	5.8
0.97	8.6
0.98	11.2
0.99	13.7
1.00	16.1
1.01	18.3
1.02	20.5
1.03	22.5
1.04	24.5
1.05	26.5



Variación de rendimiento	TIR
2.0	17.5
1.9	16.8
1.8	16.1
1.7	15.4
1.6	14.7
1.5	14.0
1.4	13.4
1.3	12.7
1.2	12.1
1.1	9.4
1.0	6.6



CUADRO A 8.5.2.47 PROYECTO DE MEJORAMIENTO DE SUELO Y PROMOCION DEL CULTIVO DEL ALGODON (GLOBAL)

TIR 32.0%

Año	Costos				Utilidad			Margen Bruto	
	Productores	Cooperativas	Industrias	Total	Productores	Industrias	Total		
	Administración Ingreso perdido								
1		902,107	4,819,542	5,721,649				-5,721,649	
2	2,777,561	2,630,784	6,133,237	12,568,788	5,068,563	7,301,773	12,370,336	-198,451	
3	2,777,561	2,543,091	7,056,358	12,538,604	5,848,342	8,425,123	14,273,465	1,734,861	
4	2,777,561	2,455,398	7,979,478	13,374,032	6,628,121	9,548,473	16,176,594	2,802,562	
5	2,777,561	2,367,706	8,441,039	13,747,899	7,018,010	9,548,473	16,566,483	2,818,584	
6	2,777,561	2,280,013	8,441,039	13,660,206	7,018,010	9,548,473	16,566,483	2,906,277	
7	2,777,561	2,192,320	8,441,039	13,572,513	7,018,010	9,548,473	16,566,483	2,993,970	
8	2,777,561	2,104,627	8,441,039	13,484,821	7,018,010	9,548,473	16,566,483	3,081,663	
9	2,777,561	2,016,934	8,441,039	13,397,128	7,018,010	9,548,473	16,566,483	3,169,355	
10	2,777,561	1,929,242	8,441,039	13,309,435	7,018,010	9,548,473	16,566,483	3,257,048	
11	2,777,561	1,841,549	1,001,496	15,152,581	20,773,186	7,018,010	9,548,473	16,566,483	-4,206,703
12	2,777,561	1,753,856	1,048,104	8,441,039	14,020,560	7,018,010	9,548,473	16,566,483	2,345,923
13	2,777,561	1,666,163	1,61,593	8,441,039	13,046,357	7,018,010	9,548,473	16,566,483	3,520,127
14	2,777,561	1,578,470	1,61,593	8,441,039	12,938,664	7,018,010	9,548,473	16,566,483	3,607,819
15	2,777,561	1,490,778	1,61,593	8,441,039	12,870,971	7,018,010	9,548,473	16,566,483	3,695,512
16	2,777,561	1,403,085	1,61,593	8,441,039	12,783,278	7,018,010	9,548,473	16,566,483	3,783,205
17	2,777,561	1,315,392	1,61,593	8,441,039	12,695,585	7,018,010	9,548,473	16,566,483	3,870,898
18	2,777,561	1,227,699	1,61,593	8,441,039	12,607,893	7,018,010	9,548,473	16,566,483	3,958,591
19	2,777,561	1,140,006	1,61,593	8,441,039	12,520,200	7,018,010	9,548,473	16,566,483	4,046,283
20	2,777,561	1,052,314	1,61,593	8,441,039	12,432,507	7,018,010	9,548,473	16,566,483	4,133,976
21	2,777,561	964,621	1,001,496	13,260,581	18,004,258	7,018,010	9,548,473	16,566,483	-1,437,775
22	2,777,561	876,928	1,048,104	8,441,039	13,143,632	7,018,010	9,548,473	16,566,483	3,422,851
23	2,777,561	789,235	1,61,593	8,441,039	12,169,429	7,018,010	9,548,473	16,566,483	4,397,055
24	2,777,561	701,542	1,61,593	8,441,039	12,081,736	7,018,010	9,548,473	16,566,483	4,484,747
25	2,777,561	613,850	1,61,593	8,441,039	11,994,043	7,018,010	9,548,473	16,566,483	4,572,440
26	2,777,561	526,157	1,61,593	8,441,039	11,906,350	7,018,010	9,548,473	16,566,483	4,660,133
27	2,777,561	438,464	1,61,593	8,441,039	11,818,657	7,018,010	9,548,473	16,566,483	4,747,826
28	2,777,561	350,771	1,61,593	8,441,039	11,730,965	7,018,010	9,548,473	16,566,483	4,835,519
29	2,777,561	263,078	1,61,593	8,441,039	11,643,272	7,018,010	9,548,473	16,566,483	4,923,211
30	2,777,561	175,386	1,61,593	8,441,039	11,555,579	7,018,010	9,548,473	16,566,483	5,010,904

CUADRO A 8.5.2.48 PLAN DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS (EVALUACION ECONOMICA GLOBAL)

TIR 13.5%

Año	Gastos				Ingreso				Margen			
	Productor		Cooperativa		Planta de Procesamiento		Productor		Planta de pro.		Total	
	Tipo 1	Tipo 2	mango y otros	macadamia	Total	Tipo 1	Tipo 2	mango y otros	macadamia	Bruto		
1	522,440	356,300	932,526		1,811,266	0	0	0	0	0	-1,811,266	
2	1,112,790	518,350	54,498		1,685,638	0	0	0	0	0	-1,685,638	
3	1,465,060	687,000	54,498	1,671,846	3,878,404	154,224	0	0	0	154,224	-3,724,180	
4	1,280,970	586,800	32,850	1,175,161	3,075,781	496,944	239,963	1,290,884	0	2,027,791	-1,047,990	
5	1,033,370	640,200	32,850	2,430,472	605,200	4,742,092	839,664	719,888	2,705,574	0	4,265,125	-476,967
6	1,023,850	687,000	142,576	2,430,472	608,667	4,892,565	1,028,160	1,199,813	2,705,574	591,000	5,524,546	631,981
7	1,044,050	646,350	32,850	2,430,472	1,100,667	5,254,389	1,131,480	1,439,775	2,705,574	1,182,000	6,458,829	1,204,439
8	1,048,600	646,350	32,850	2,430,472	1,420,467	5,578,739	1,522,620	1,439,775	2,705,574	1,566,150	7,234,119	1,655,379
9	1,053,150	646,350	32,850	2,430,472	1,420,467	5,583,289	1,913,760	1,439,775	2,705,574	1,566,150	7,625,259	2,041,969
10	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
11	1,041,900	646,350	142,576	2,430,472	1,420,467	5,681,765	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,231,313
12	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
13	1,041,900	646,350	32,850	3,296,843	1,420,467	6,438,410	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	1,474,669
14	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
15	1,041,900	646,350	32,850	2,430,472	1,770,467	5,922,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	1,991,039
16	1,041,900	646,350	142,576	2,430,472	1,420,467	5,681,765	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,231,313
17	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
18	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
19	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
20	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
21	1,117,740	787,200	142,576	2,430,472	1,420,467	5,898,455	1,858,860	959,850	2,705,574	1,566,150	7,090,434	1,191,978
22	1,353,900	733,800	32,850	2,430,472	1,420,467	5,971,489	1,516,140	479,925	2,705,574	1,566,150	6,267,789	296,299
23	1,351,820	687,000	32,850	3,296,843	1,420,467	6,788,980	1,173,420	0	2,705,574	1,566,150	5,445,144	-1,343,836
24	1,245,900	586,800	32,850	2,430,472	1,420,467	5,716,489	1,327,644	239,963	2,705,574	1,566,150	5,839,330	122,841
25	1,009,740	640,200	32,850	2,430,472	1,770,467	5,883,729	1,670,364	719,888	2,705,574	1,566,150	6,661,975	778,246
26	1,011,820	687,000	142,576	2,430,472	1,420,467	5,692,335	2,013,084	1,199,813	2,705,574	1,566,150	7,484,620	1,792,285
27	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
28	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
29	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039
30	1,041,900	646,350	32,850	2,430,472	1,420,467	5,572,039	2,201,580	1,439,775	2,705,574	1,566,150	7,913,079	2,341,039

CUADRO A 8.5.2.49 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS (ADMINISTRACION DE FINCA PRODUCTORA DE UVA)

TIR 11.9%

Actual

Rubro	Superficie	Rendimiento	Volumen de producción	Ingreso Unitario	Renta agrícola
Algodón	1.4	1.71	2.40	379	910
Maíz	0.2	2.09	0.42	146	61
Poroto	0.5	1.00	0.50	488	244
Total	2.1				1,215

Plan de producción

	Uva	Macadamia
Super.	1.6	0.5

Porcentaje de procesamiento

	Uva	Macadamia
	90%	90%

Año	Gastos			Utilidad	Margen Bruto
	Aporte	Administrativo	Ingreso perdido		
1		4,009	1,215	0	-5,224
2		4,689	1,215	0	-5,904
3		2,308	1,215	1,542	-1,980
4	350	2,169	1,215	3,427	-306
5	350	2,213	1,215	3,427	-350
6	350	2,213	1,215	3,427	-350
7	350	2,371	1,215	4,460	525
8	350	2,258	1,215	7,339	3,516
9	350	2,258	1,215	7,339	3,516
10	350	2,258	1,215	7,339	3,516
11	350	2,258	1,215	7,339	3,516
12	350	2,258	1,215	7,339	3,516
13	350	2,258	1,215	7,339	3,516
14	350	2,258	1,215	7,339	3,516
15	350	2,258	1,215	7,339	3,516
16	350	2,258	1,215	7,339	3,516
17	350	2,258	1,215	7,339	3,516
18	350	2,258	1,215	7,339	3,516
19	350	2,258	1,215	7,339	3,516
20	350	2,258	1,215	7,339	3,516
21	350	3,016	1,215	3,911	-670
22	350	4,620	1,215	3,911	-2,273
23	350	2,237	1,215	3,911	109
24	350	1,957	1,215	5,454	1,931
25	350	2,258	1,215	7,339	3,516
26	350	2,258	1,215	7,339	3,516
27	350	2,258	1,215	7,339	3,516
28	350	2,258	1,215	7,339	3,516
29	350	2,258	1,215	7,339	3,516
30	350	2,258	1,215	7,339	3,516

CUADRO A 8.5.2.50 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS (ADMINISTRACION DE FINCA PRODUCTORA DE MANGO)

TIR 20.1%

Actual

Rubro	Superficie	Rendimiento	Volumen de producción	Ingreso Unitario	Renta agrícola
Algodón	1.2	1.71	2.06	379	780
Poroto	0.3	1.00	0.30	488	146
Total					926

Plan de producción

Mango

Super.

1.5

% de procesamiento

Mango

90%

Año	Gastos			Total	Utilidad	Margen Bruto
	Aporte	Administrativo	Ingreso perdido			
1	0	2,637	926	3,563	0	-3,563
2	0	695	926	1,621	0	-1,621
3	0	761	926	1,687	0	-1,687
4	0	1,635	926	2,561	2,400	-161
5	350	1,229	926	2,505	4,799	2,295
6	350	1,229	926	2,505	4,799	2,295
7	350	1,229	926	2,505	4,799	2,295
8	350	1,229	926	2,505	4,799	2,295
9	350	1,229	926	2,505	4,799	2,295
10	350	1,229	926	2,505	4,799	2,295
11	350	1,229	926	2,505	4,799	2,295
12	350	1,229	926	2,505	4,799	2,295
13	350	1,229	926	2,505	4,799	2,295
14	350	1,229	926	2,505	4,799	2,295
15	350	1,229	926	2,505	4,799	2,295
16	350	1,229	926	2,505	4,799	2,295
17	350	1,229	926	2,505	4,799	2,295
18	350	1,229	926	2,505	4,799	2,295
19	350	1,229	926	2,505	4,799	2,295
20	350	1,229	926	2,505	4,799	2,295
21	350	2,637	926	3,913	0	-3,913
22	350	695	926	1,971	0	-1,971
23	350	761	926	2,037	0	-2,037
24	350	1,635	926	2,911	2,400	-511
25	350	1,229	926	2,505	4,799	2,295
26	350	1,229	926	2,505	4,799	2,295
27	350	1,229	926	2,505	4,799	2,295
28	350	1,229	926	2,505	4,799	2,295
29	350	1,229	926	2,505	4,799	2,295
30	350	1,229	926	2,505	4,799	2,295

**CUADRO A 8.5.2.51 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS
(PLAN DE PRODUCCION (POR HA.))**

Año	Uva			Mango			Macadamia		
	Volumen de cosecha	Ingreso	Gastos	Volumen de cosecha	Ingreso	Gastos	Volumen de cosecha	Ingreso	Gastos
1		0	1,594		0	1,758		0	2,918
2		0	2,695		0	463		0	753
3	4.5	1,071	1,207		0	507		0	753
4	10	2,380	1,120	7.5	1,778	1,090		0	753
5	10	2,380	1,120	15	3,555	819		0	841
6	10	2,380	1,120	15	3,555	819		0	841
7	10	2,380	1,120	15	3,555	819	1.4	2,296	1,157
8	10	2,380	1,120	15	3,555	819	5.3	8,692	932
9	10	2,380	1,120	15	3,555	819	5.3	8,692	932
10	10	2,380	1,120	15	3,555	819	5.3	8,692	932
11	10	2,380	1,120	15	3,555	819	5.3	8,692	932
12	10	2,380	1,120	15	3,555	819	5.3	8,692	932
13	10	2,380	1,120	15	3,555	819	5.3	8,692	932
14	10	2,380	1,120	15	3,555	819	5.3	8,692	932
15	10	2,380	1,120	15	3,555	819	5.3	8,692	932
16	10	2,380	1,120	15	3,555	819	5.3	8,692	932
17	10	2,380	1,120	15	3,555	819	5.3	8,692	932
18	10	2,380	1,120	15	3,555	819	5.3	8,692	932
19	10	2,380	1,120	15	3,555	819	5.3	8,692	932
20	10	2,380	1,120	15	3,555	819	5.3	8,692	932
21		0	1,594		0	1,758	5.3	8,692	932
22		0	2,596		0	463	5.3	8,692	932
23		0	1,107		0	507	5.3	8,692	932
24	4.5	1,071	932	7.5	1,778	1,090	5.3	8,692	932
25	10	2,380	1,120	15	3,555	819	5.3	8,692	932
26	10	2,380	1,120	15	3,555	819	5.3	8,692	932
27	10	2,380	1,120	15	3,555	819	5.3	8,692	932
28	10	2,380	1,120	15	3,555	819	5.3	8,692	932
29	10	2,380	1,120	15	3,555	819	5.3	8,692	932
30	10	2,380	1,120	15	3,555	819	5.3	8,692	932

CUADRO A 8.5.2.52 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS (COOPERATIVA)

TIR 9.0% Aporte 350

Año	Gastos				Ingreso	Margen Bruto
	Maquinarias	Equipos de Información	Mantenimiento	Total		
1	768,301	109,726	54,498	932,526		-932,526
2			54,498	54,498		-54,498
3			54,498	54,498		-54,498
4			32,850	32,850	26833.5	-6,017
5			32,850	32,850	70,000	37,150
6		109,726	32,850	142,576	140,000	-2,576
7			32,850	32,850	210,000	177,150
8			32,850	32,850	210,000	177,150
9			32,850	32,850	210,000	177,150
10			32,850	32,850	210,000	177,150
11	0	109,726	32,850	142,576	210,000	67,424
12			32,850	32,850	210,000	177,150
13			32,850	32,850	210,000	177,150
14			32,850	32,850	210,000	177,150
15			32,850	32,850	210,000	177,150
16		109,726	32,850	142,576	210,000	67,424
17			32,850	32,850	210,000	177,150
18			32,850	32,850	210,000	177,150
19			32,850	32,850	210,000	177,150
20			32,850	32,850	210,000	177,150
21	0	109,726	32,850	142,576	210,000	67,424
22			32,850	32,850	210,000	177,150
23			32,850	32,850	210,000	177,150
24			32,850	32,850	210,000	177,150
25			32,850	32,850	210,000	177,150
26		109,726	32,850	142,576	210,000	67,424
27			32,850	32,850	210,000	177,150
28			32,850	32,850	210,000	177,150
29			32,850	32,850	210,000	177,150
30			32,850	32,850	210,000	177,150

Las obras finalizaran en 3 años

CUADRO A 8.5.2.53 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS (CENTRO DE SELECCION Y EMPAQUE)

TIR 12.2%

Capacidad	240 t/día	Mano de obra			40 pers/día			Pérdida de despacho
		Volumen de recepción (t/ha)			Rendimiento(t)			
	Precio de recepción	Precio de despacho	4to año	5to año	superficie	4to año	5to año	
Mango	237	287	6.8	13.5	443	2,691	5,382	5%
Uva	238	310	4.1	9.0	519	1,892	4,204	5%

Año	Gastos				Ingreso	Margen Bruta
	Infraestructura	Maquinarias y otros	Materia prima	Operación		
1	805,475	866,371			1,671,846	-1,671,846
2			1,088,058	87,103	1,175,161	1,290,884
3			2,276,169	154,303	2,430,472	2,705,574
4			2,276,169	154,303	2,430,472	2,705,574
5			2,276,169	154,303	2,430,472	2,705,574
6			2,276,169	154,303	2,430,472	2,705,574
7			2,276,169	154,303	2,430,472	2,705,574
8			2,276,169	154,303	2,430,472	2,705,574
9			2,276,169	154,303	2,430,472	2,705,574
10			2,276,169	154,303	2,430,472	2,705,574
11		866,371	2,276,169	154,303	3,296,843	2,705,574
12			2,276,169	154,303	2,430,472	2,705,574
13			2,276,169	154,303	2,430,472	2,705,574
14			2,276,169	154,303	2,430,472	2,705,574
15			2,276,169	154,303	2,430,472	2,705,574
16			2,276,169	154,303	2,430,472	2,705,574
17			2,276,169	154,303	2,430,472	2,705,574
18			2,276,169	154,303	2,430,472	2,705,574
19			2,276,169	154,303	2,430,472	2,705,574
20			2,276,169	154,303	2,430,472	2,705,574
21		866,371	2,276,169	154,303	3,296,843	2,705,574
22			2,276,169	154,303	2,430,472	2,705,574
23			2,276,169	154,303	2,430,472	2,705,574
24			2,276,169	154,303	2,430,472	2,705,574
25			2,276,169	154,303	2,430,472	2,705,574
26			2,276,169	154,303	2,430,472	2,705,574
27			2,276,169	154,303	2,430,472	2,705,574
28			2,276,169	154,303	2,430,472	2,705,574
29			2,276,169	154,303	2,430,472	2,705,574
30			2,276,169	154,303	2,430,472	2,705,574

Gasto de operación: 4.4% de costo máquina, costo de personal como gastos de oficina
Maquinarias, una para mango y otra para uva

Volumen de producción mensual(t)

	4to año			5to año		
	Nov.	Dic.	Enero	Nov.	Dic.	Enero
Mango	673	1,009	1,009	1,346	2,018	2,018
Uva	0	757	1,135	0	1,682	2,522
Total	673	1,766	2,144	1,346	3,700	4,541
Funcionamiento (días)	3	8	9	6	16	19
Trabajadores (per)	120	320	360	240	640	760
Total anual (per)	800			1,640		

CUADRO A 8.5.2.54 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS
(FABRICA DE PROCESAMIENTO DE MACADAMIA)

TIR 16.2%

Plan de producción

6to año	7mo año	Luego de 8vo año
2	4	5.3 t/ha
300	600	795 t

Costo de materia prima 1,640 1,000Gs/t
 Precio de venta 1,970 1,000Gs/t
 Fábrica
 Galpón 255,200 1,000Gs
 Maquinarias 350,000 1,000Gs

Año	Gastos					Total	Ingreso	Margen Bruto
	Galpón	Maquina- rias	Combust. y mantenim.	Oficina	Materia Prima			
1	255,200	350,000				605,200		-605,200
2			38,889	77,778	492,000	608,667	591,000	-17,667
3			38,889	77,778	984,000	1,100,667	1,182,000	81,333
4			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
5			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
6			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
7			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
8			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
9			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
10			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
11		350,000	38,889	77,778	1,303,800	1,770,467	1,566,150	-204,317
12			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
13			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
14			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
15			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
16			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
17			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
18			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
19			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
20			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
21		350,000	38,889	77,778	1,303,800	1,770,467	1,566,150	-204,317
22			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
23			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
24			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
25			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
26			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
27			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
28			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
29			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683
30			38,889	77,778	1,303,800	1,420,467	1,566,150	145,683

CUADRO A 8.5.2.55 PROYECTO DE ACONDICIONAMIENTO DE ZONA PARA LA PRODUCCION DE FRUTAS
(EVALUACION ECONOMICA GLOBAL)

TER 18.3%

Año	Costo						Utilidad				Margen Bruto	
	Productores		Cooperativas	Infraestructura de procesamiento		Total	Productores		Infraestructura de procesamiento			Total
	Tipo 1	Tipo 2		Mango, otros	Macadania		Tipo 1	Tipo 2	Mango, otros	Macadania		
1	507,508	352,482	662,659		1,522,630	0	0	0	0	0	0	-1,522,630
2	1,073,419	537,909	38,726		1,650,054	0	0	0	0	0	0	-1,650,054
3	1,434,582	729,012	38,726	1,387,632	3,589,951	186,624	0	0	0	0	186,624	-3,403,327
4	1,263,055	642,840	32,850	1,400,383	3,339,127	601,344	290,588	1,520,525	2,412,456	2,412,456	2,412,456	-926,671
5	1,033,125	683,163	32,850	2,905,862	5,028,816	1,016,064	871,763	3,181,228	5,069,055	5,069,055	5,069,055	-88,761
6	1,007,944	717,810	110,397	2,905,862	5,346,313	1,244,160	1,452,938	3,181,228	6,475,026	6,475,026	6,475,026	1,128,713
7	1,025,316	677,250	32,850	2,905,862	5,752,877	1,350,693	1,743,525	3,181,228	7,468,846	7,468,846	7,468,846	1,715,969
8	1,032,037	677,250	32,850	2,905,862	6,089,343	1,753,997	1,743,525	3,181,228	8,260,005	8,260,005	8,260,005	2,170,662
9	1,038,758	677,250	32,850	2,905,862	6,096,064	2,157,300	1,743,525	3,181,228	8,663,308	8,663,308	8,663,308	2,567,244
10	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
11	1,028,107	677,250	110,397	2,905,862	6,162,961	2,454,071	1,743,525	3,181,228	9,960,079	9,960,079	9,960,079	2,797,118
12	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
13	1,028,107	677,250	32,850	3,624,950	6,804,501	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,155,578
14	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
15	1,028,107	677,250	32,850	2,905,862	6,376,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,583,666
16	1,028,107	677,250	110,397	2,905,862	6,162,961	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,797,118
17	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
18	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
19	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
20	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
21	1,106,539	803,982	110,397	2,905,862	6,568,125	2,039,351	1,162,350	3,181,228	7,964,184	7,964,184	7,964,184	1,596,059
22	1,336,469	763,659	32,850	2,905,862	6,480,184	1,624,631	581,175	3,181,228	6,968,289	6,968,289	6,968,289	488,105
23	1,361,650	729,012	32,850	3,624,950	7,189,805	1,209,911	0	3,181,228	5,972,394	5,972,394	5,972,394	-1,217,411
24	1,283,218	642,840	32,850	2,905,862	6,306,114	1,396,535	290,588	3,181,228	6,449,605	6,449,605	6,449,605	143,492
25	1,053,288	683,163	32,850	2,905,862	6,407,507	1,811,255	871,763	3,181,228	7,445,500	7,445,500	7,445,500	1,037,993
26	1,028,107	717,810	110,397	2,905,862	6,203,521	2,225,975	1,452,938	3,181,228	8,441,395	8,441,395	8,441,395	2,237,875
27	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
28	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
29	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666
30	1,028,107	677,250	32,850	2,905,862	6,085,413	2,454,071	1,743,525	3,181,228	8,960,079	8,960,079	8,960,079	2,874,666

CUADRO A 8.5.2.56 PROYECTO DE FORTALECIMIENTO PARA LA PRODUCCION DE FRUTAS (ESTIMACION DE RELACION DE APORTE)

Aporte externo (MIL US\$) 11,965 Aporte local (MIL Gs) 15,487,335 RA 1,294 Tasa de cambio 1,970 Gs/US\$
 VFN(10%)

Año	Aporte local (1,000Gs)										Aporte externo (1,000US\$)										Margen Bruto
	Finca		Cooperativa	Planta de procesamiento		Transporte		Total	Finca		Coop.	Gastos		Total	Ingr.						
	Tipo 1	Tipo 2		mango y otros	macadamia	mango y otros	macadamia		mango y otros	macadamia		Tipo 1	Tipo 2		mango y otros	macadamia	mango y otros	macadamia	Tipo 1	Tipo 2	
1	728,727	1,050,107	513,979						2,292,814	173	287	212			672			-672			
2	396,560	1,166,234	31,064						1,593,857	45	336	12			393			-393			
3	407,846	759,117	31,064	919,515			0		2,117,541	50	165	12	382		609			-609			
4	557,385	735,314	18,725	49,649			230,982		1,561,072	107	155	7	19	378	667	1,213	546	546			
5	487,874	742,838	18,725	87,953	332,860		483,152	0	1,670,248	80	158	7	34	138	791	0	1,209	2,537	1,328		
6	487,874	742,838	79,074	87,953	92,867		483,152	8,520	1,490,605	80	158	32	34	12	791	11	1,119	2,852	1,733		
7	487,874	769,856	18,725	87,953	92,867		483,152	17,040	1,457,273	80	170	7	34	12	791	23	1,117	3,168	2,051		
8	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
9	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
10	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
11	487,874	750,618	79,074	87,953	92,867		483,152	22,578	1,498,385	80	162	32	34	12	791	30	1,141	3,373	2,232		
12	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
13	487,874	750,618	18,725	564,457	92,867		483,152	22,578	1,914,540	80	162	7	232	12	791	30	1,314	3,373	2,059		
14	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
15	487,874	750,618	18,725	87,953	285,367		483,152	22,578	1,630,536	80	162	7	34	92	791	30	1,196	3,373	2,177		
16	487,874	750,618	79,074	87,953	92,867		483,152	22,578	1,498,385	80	162	32	34	12	791	30	1,141	3,373	2,232		
17	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
18	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
19	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
20	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
21	728,727	880,304	79,074	87,953	92,867		483,152	22,578	1,868,925	173	216	32	34	12	791	30	1,288	3,373	2,085		
22	396,560	1,154,452	18,725	87,953	92,867		483,152	22,578	1,750,555	45	331	7	34	12	791	30	1,250	3,373	2,123		
23	407,846	747,061	18,725	564,457	92,867		483,152	22,578	1,830,955	50	160	7	232	12	791	30	1,282	3,373	2,091		
24	557,385	699,181	18,725	87,953	92,867		483,152	22,578	1,456,110	107	140	7	34	12	791	30	1,121	3,373	2,252		
25	487,874	750,618	18,725	87,953	285,367		483,152	22,578	1,630,536	80	162	7	34	92	791	30	1,196	3,373	2,177		
26	487,874	750,618	79,074	87,953	92,867		483,152	22,578	1,498,385	80	162	32	34	12	791	30	1,141	3,373	2,232		
27	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
28	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
29	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		
30	487,874	750,618	18,725	87,953	92,867		483,152	22,578	1,438,036	80	162	7	34	12	791	30	1,116	3,373	2,257		

CUADRO A 8.5.2.57 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE EN AREAS ADYACENTES A ZONAS URBANAS (GLOBAL)

TIR 16.9%

Año	Gastos					Total	Utilidad	Margen Bruto
	Productor	Cámara de Frio	Cisterna	Procesam.de Leche				
				Empresarial	Familiar			
1	152,693					152,693		-152,693
2	535,110				287,100	822,210	0	-822,210
3	440,300	154,256	203,280	577,511	11,910	1,387,257	120,612	-1,266,645
4	632,800	13,896	11,880	37,195	30,450	726,221	687,622	-38,599
5	825,300	13,896	11,880	48,979	58,260	958,314	1,202,770	244,455
6	959,350	13,896	11,880	74,754	58,260	1,118,140	1,538,138	419,998
7	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
8	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
9	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
10	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
11	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
12	1,093,400	13,896	11,880	74,754	153,960	1,347,890	1,873,506	525,616
13	1,093,400	154,256	203,280	515,415	58,260	2,024,610	1,873,506	-151,104
14	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
15	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
16	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
17	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
18	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
19	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
20	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
21	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
22	1,093,400	13,896	11,880	74,754	153,960	1,347,890	1,873,506	525,616
23	1,093,400	154,256	203,280	515,415	58,260	2,024,610	1,873,506	-151,104
24	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
25	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
26	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
27	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
28	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
29	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
30	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316

CUADRO A 8.5.2.58 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE EN AREAS ADYACENTES A ZONAS URBANAS (PRODUCTORES)

No.de productores 350 productores

TIR 20.5%

Año	Mejoramiento de la tierra	Crédito agrícola	Gastos		Total	Ingreso	Margen Bruto
			Ingreso Perdido	Administración			
1		152,693			152,693		-152,693
2	382,417	152,693			535,110		-535,110
3			323,400	116,900	440,300	336,000	-104,300
4			323,400	309,400	632,800	672,000	39,200
5			323,400	501,900	825,300	1,008,000	182,700
6			323,400	635,950	959,350	1,176,000	216,650
7			323,400	770,000	1,093,400	1,344,000	250,600
8			323,400	770,000	1,093,400	1,344,000	250,600
9			323,400	770,000	1,093,400	1,344,000	250,600
10			323,400	770,000	1,093,400	1,344,000	250,600
11			323,400	770,000	1,093,400	1,344,000	250,600
12			323,400	770,000	1,093,400	1,344,000	250,600
13			323,400	770,000	1,093,400	1,344,000	250,600
14			323,400	770,000	1,093,400	1,344,000	250,600
15			323,400	770,000	1,093,400	1,344,000	250,600
16			323,400	770,000	1,093,400	1,344,000	250,600
17			323,400	770,000	1,093,400	1,344,000	250,600
18			323,400	770,000	1,093,400	1,344,000	250,600
19			323,400	770,000	1,093,400	1,344,000	250,600
20			323,400	770,000	1,093,400	1,344,000	250,600
21			323,400	770,000	1,093,400	1,344,000	250,600
22			323,400	770,000	1,093,400	1,344,000	250,600
23			323,400	770,000	1,093,400	1,344,000	250,600
24			323,400	770,000	1,093,400	1,344,000	250,600
25			323,400	770,000	1,093,400	1,344,000	250,600
26			323,400	770,000	1,093,400	1,344,000	250,600
27			323,400	770,000	1,093,400	1,344,000	250,600
28			323,400	770,000	1,093,400	1,344,000	250,600
29			323,400	770,000	1,093,400	1,344,000	250,600
30			323,400	770,000	1,093,400	1,344,000	250,600

Plan de aumento del Numero de Cabeza (por productor)

		1er.año	2do.año	3er.año	4to.año	5to.año
Raza actual	No.de cabezas	2	2	2	1	0
	Vol.de leche	2	2	2	1	0
Raza mejorada	No.de cabezas	0	1	2	3	4
	Vol.de leche	0	2	4	6	8
Total	No.de cabezas	2	3	4	4	4
	Vol.de leche	2	4	6	7	8

Costos administrativo de venta

	Raza existente	Raza mejorada	
C.administrativo	167	550	milesGs/cab.
Venta	480	480	milesGs/Kl.

CUADRO A 8.5.2.59 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE EN AREAS ADYACENTES A ZONAS URBANAS (INSTALACION DE CAMARA DE FRIO)

TIR 11.1% VPN(10%) 2,927

	Recepción	Despacho	
Leche cruda	480	495	Gs/Lt.

Plan de Recepción (Klts.)

Año	1	2	3	4	5
Recep.	175	350	525	612.5	700

Año	Gastos				Ingreso	Margen Bruto
	Infraestructura	Mantenimiento	Adquisición de materia prima	Total		
1	35,090	3,474	84,000	122,564	86,625	-35,939
2		3,474	168,000	171,474	173,250	1,776
3		3,474	252,000	255,474	259,875	4,401
4		3,474	294,000	297,474	303,188	5,714
5		3,474	336,000	339,474	346,500	7,026
6		3,474	336,000	339,474	346,500	7,026
7		3,474	336,000	339,474	346,500	7,026
8		3,474	336,000	339,474	346,500	7,026
9		3,474	336,000	339,474	346,500	7,026
10		3,474	336,000	339,474	346,500	7,026
11	35,090	3,474	336,000	374,564	346,500	-28,064
12		3,474	336,000	339,474	346,500	7,026
13		3,474	336,000	339,474	346,500	7,026
14		3,474	336,000	339,474	346,500	7,026
15		3,474	336,000	339,474	346,500	7,026
16		3,474	336,000	339,474	346,500	7,026
17		3,474	336,000	339,474	346,500	7,026
18		3,474	336,000	339,474	346,500	7,026
19		3,474	336,000	339,474	346,500	7,026
20		3,474	336,000	339,474	346,500	7,026
21	35,090	3,474	336,000	374,564	346,500	-28,064
22		3,474	336,000	339,474	346,500	7,026
23		3,474	336,000	339,474	346,500	7,026
24		3,474	336,000	339,474	346,500	7,026
25		3,474	336,000	339,474	346,500	7,026
26		3,474	336,000	339,474	346,500	7,026
27		3,474	336,000	339,474	346,500	7,026
28		3,474	336,000	339,474	346,500	7,026
29		3,474	336,000	339,474	346,500	7,026
30		3,474	336,000	339,474	346,500	7,026

CUADRO A 8.5.2.60 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE
LECHE EN AREAS ADYACENTES A ZONAS URBANAS
(CISTERNA PARA LECHE)

TIR 12.2% VP(10%) 28,546

	Recepción	Despacho	
Leche cruda	495	515	Gs/Lts.

Plan de Recepción (Klts)

Año	1	2	3	4
Recepción	700	1,400	2,100	2,450

Año	Gastos			Total	Ingreso	Margen Bruto
	Infraestructura	Mantenim.	Adquisic.de mat. prima			
1	191,400	11,880	346,500	549,780	360,500	-189,280
2		11,880	693,000	704,880	721,000	16,120
3		11,880	1,039,500	1,051,380	1,081,500	30,120
4		11,880	1,212,750	1,224,630	1,261,750	37,120
5		11,880	1,212,750	1,224,630	1,261,750	37,120
6		11,880	1,212,750	1,224,630	1,261,750	37,120
7		11,880	1,212,750	1,224,630	1,261,750	37,120
8		11,880	1,212,750	1,224,630	1,261,750	37,120
9		11,880	1,212,750	1,224,630	1,261,750	37,120
10		11,880	1,212,750	1,224,630	1,261,750	37,120
11	191,400	11,880	1,212,750	1,416,030	1,261,750	-154,280
12		11,880	1,212,750	1,224,630	1,261,750	37,120
13		11,880	1,212,750	1,224,630	1,261,750	37,120
14		11,880	1,212,750	1,224,630	1,261,750	37,120
15		11,880	1,212,750	1,224,630	1,261,750	37,120
16		11,880	1,212,750	1,224,630	1,261,750	37,120
17		11,880	1,212,750	1,224,630	1,261,750	37,120
18		11,880	1,212,750	1,224,630	1,261,750	37,120
19		11,880	1,212,750	1,224,630	1,261,750	37,120
20		11,880	1,212,750	1,224,630	1,261,750	37,120
21	191,400	11,880	1,212,750	1,416,030	1,261,750	-154,280
22		11,880	1,212,750	1,224,630	1,261,750	37,120
23		11,880	1,212,750	1,224,630	1,261,750	37,120
24		11,880	1,212,750	1,224,630	1,261,750	37,120
25		11,880	1,212,750	1,224,630	1,261,750	37,120
26		11,880	1,212,750	1,224,630	1,261,750	37,120
27		11,880	1,212,750	1,224,630	1,261,750	37,120
28		11,880	1,212,750	1,224,630	1,261,750	37,120
29		11,880	1,212,750	1,224,630	1,261,750	37,120
30		11,880	1,212,750	1,224,630	1,261,750	37,120

CUADRO A 8.5.2.61 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE EN AREAS ADYACENTES A LAS ZONAS URBANAS (INFRAESTRUCTURA DE PROCESAMIENTO DE LA LECHE (NIVEL EMPRESARIAL))

TIR 20.9% VPN(10%) 429,348

Plan de Procesamiento

	1	2	3	4	5	
Vol.de produc.	700	1,400	2,100	2,450	2,800	Klts.
Plant.existente	520	520	520	520	520	Klts.
Nuevas plant.	0	340	500	850	1,200	Klts.
Plant.Familiar	180	540	1,080	1,080	1,080	Klts.

	Mat.prima	Leche cruda	Yogurt	Queso	
Prec.unit.	515	800	800	4,300	Gs/Lts.
% de procesam.		95%	95%	11.4%	

Año	Costos				Total	Ingreso	Margen Bruto
	Maquinarias y otros	Infraestructura	Adquisic.de mat.prima	Mantenimiento			
1	308,154	95,700			403,854		-403,854
2			175,100	26,011	201,111	227,823	26,712
3			257,500	34,251	291,751	335,033	43,283
4			437,750	52,276	490,026	569,557	79,531
5			618,000	52,276	670,276	804,080	133,804
6			618,000	52,276	670,276	804,080	133,804
7			618,000	52,276	670,276	804,080	133,804
8			618,000	52,276	670,276	804,080	133,804
9			618,000	52,276	670,276	804,080	133,804
10			618,000	52,276	670,276	804,080	133,804
11	308,154		618,000	52,276	978,430	804,080	-174,350
12			618,000	52,276	670,276	804,080	133,804
13			618,000	52,276	670,276	804,080	133,804
14			618,000	52,276	670,276	804,080	133,804
15			618,000	52,276	670,276	804,080	133,804
16			618,000	52,276	670,276	804,080	133,804
17			618,000	52,276	670,276	804,080	133,804
18			618,000	52,276	670,276	804,080	133,804
19			618,000	52,276	670,276	804,080	133,804
20			618,000	52,276	670,276	804,080	133,804
21	308,154		618,000	52,276	978,430	804,080	-174,350
22			618,000	52,276	670,276	804,080	133,804
23			618,000	52,276	670,276	804,080	133,804
24			618,000	52,276	670,276	804,080	133,804
25			618,000	52,276	670,276	804,080	133,804
26			618,000	52,276	670,276	804,080	133,804
27			618,000	52,276	670,276	804,080	133,804
28			618,000	52,276	670,276	804,080	133,804
29			618,000	52,276	670,276	804,080	133,804
30			618,000	52,276	670,276	804,080	133,804

Costo de mantenimiento=Costo de mantenimiento(4.4% Costo de maquinaria)+(Costos de Personal(10%Costos de personal)

Vida útil de maquinarias 10 Años

CUADRO A 8.5.2.62 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE EN AREAS ADYACENTES A ZONAS URBANAS (INFRAESTRUCTURA DE PROCESAMIENTO DE LA LECHE (NIVEL FAMILIAR))

TIR 16.9%

Año	Gastos					Total	Utilidad	Margen Bruto
	Productor	Cámara de Frio	Cisterna	Procesam.do Leche				
				Empresarial	Familiar			
1	152,693					152,693		-152,693
2	535,110				287,100	822,210	0	-822,210
3	440,300	154,256	203,280	577,511	11,910	1,387,257	120,612	-1,266,645
4	632,800	13,896	11,880	37,195	30,450	726,221	687,622	-38,599
5	825,300	13,896	11,880	48,979	58,260	958,314	1,202,770	244,455
6	959,350	13,896	11,880	74,754	58,260	1,118,140	1,538,138	419,998
7	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
8	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
9	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
10	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
11	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
12	1,093,400	13,896	11,880	74,754	153,960	1,347,890	1,873,506	525,616
13	1,093,400	154,256	203,280	515,415	58,260	2,024,610	1,873,506	-151,104
14	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
15	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
16	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
17	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
18	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
19	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
20	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
21	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
22	1,093,400	13,896	11,880	74,754	153,960	1,347,890	1,873,506	525,616
23	1,093,400	154,256	203,280	515,415	58,260	2,024,610	1,873,506	-151,104
24	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
25	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
26	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
27	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
28	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
29	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316
30	1,093,400	13,896	11,880	74,754	58,260	1,252,190	1,873,506	621,316

CUADRO A 8.5.2.63 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE
EN ARBAS ADYACENTES A LAS ZONAS URBANAS

TER 20,8%

Año	Produc.	Camaras de frío	Cisterna	Costos		Total	Utilidad	Margen Bruto
				Procesam. de la Leche Empresarial	Familiar			
1	138,798					138,798		-138,798
2	467,676				241,164	708,840	0	-708,840
3	484,134	134,288	176,149	470,220	11,179	1,275,970	120,612	-1,155,358
4	649,684	13,578	11,545	36,053	27,810	738,670	687,622	-51,048
5	815,234	13,578	11,545	36,053	55,620	932,030	1,202,770	270,739
6	930,517	13,578	11,545	36,053	55,620	1,047,313	1,538,138	490,825
7	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
8	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
9	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
10	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
11	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
12	1,045,800	13,578	11,545	36,053	132,180	1,239,156	1,872,548	633,392
13	1,045,800	134,288	176,149	388,581	57,529	1,802,347	1,872,548	70,201
14	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
15	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
16	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
17	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
18	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
19	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
20	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
21	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
22	1,045,800	13,578	11,545	36,053	132,180	1,239,156	1,872,548	633,392
23	1,045,800	134,288	176,149	388,581	57,529	1,802,347	1,872,548	70,201
24	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
25	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
26	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
27	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
28	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
29	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952
30	1,045,800	13,578	11,545	36,053	55,620	1,162,596	1,872,548	709,952

CUADRO A 8.5.2.64 PROYECTO PARA EL FOMENTO DE LA PRODUCCION DE LECHE EN AREAS ADYACENTES A LAS ZONAS URBANAS (CALCULO DE RELACION DE APORTE)

VPN del Aporte Externo Optimizado(10%) 7,793
 VPN del Aporte Local Utilizado(10%) 8,862,044
 RA 1,137

Año	Aporte Local (1,000 Gs)															Aporte Externo (1,000 US\$)																								
	Productor	Cam.de Fno					Procesamiento a nivel Empresarial					Procesamiento a nivel Familiar					Total	Productor					Camara de Fno					Proces. a nivel Empresar.					Proces. a nivel Familiar					Total	Ingreso	Margen Bruto
		Infraestruct.		Mantenim.		Maquinari.	Infraestruct.		Mantenim.		Maquinari.	Infraestruct.		Mantenim.		Maquinari.		Infraestruct.		Mantenim.		Maquinari.	Infraestruct.		Mantenim.		Maquinari.	Infraestruct.		Mantenim.		Maquinari.	Infraestruct.		Mantenim.		Maquinari.			
		0	1,980	0	1,980		0	29,652	0	338,969		105,270	0	52,635	105,270			0	6,789	38,421	271,6		77,5	8,0	0,8	140,8		43,7	0,0	21,9	43,7		0,0	336,4	0,0	4,336,4				
1	0	19,300	0	1,980	0	1,980	0	338,969	105,270	0	52,635	105,270	0	6,789	38,421	271,6	77,5	8,0	0,8	140,8	43,7	0,0	21,9	43,7	0,0	336,4	0,0	4,336,4												
2	0	0	0	1,980	0	29,652	0	0	0	0	0	0	0	0	0	0	0	0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,6	286,3	292,5	6,2										
3	440,300	0	1,980	0	59,046	0	0	17,557	498,683	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	6,6	22,4	523,8	501,5											
4	632,300	0	1,980	0	59,594	0	0	33,208	727,583	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	945,6	909,3											
5	825,300	0	1,980	0	59,594	0	0	33,208	920,083	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
6	959,350	0	1,980	0	59,594	0	0	33,208	1,054,133	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
7	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
8	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
9	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
10	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	0	0	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
11	1,093,400	19,300	1,980	338,969	0	59,594	338,969	0	59,594	52,635	0	33,208	1,599,087	0	0	0	0	8,0	0,8	140,8	0,0	22,8	21,9	0,0	12,7	207,0	1,183,7	976,7	976,7											
12	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
13	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
14	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
15	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
16	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
17	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
18	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
19	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
20	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
21	1,093,400	19,300	1,980	338,969	0	59,594	338,969	0	59,594	52,635	0	33,208	1,599,087	0	0	0	0	8,0	0,8	140,8	0,0	22,8	21,9	0,0	12,7	207,0	1,183,7	976,7	976,7											
22	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
23	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
24	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
25	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
26	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
27	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
28	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
29	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											
30	1,093,400	0	1,980	0	59,594	0	0	33,208	1,188,183	0	0	0	33,208	1,188,183	0	0	0	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,0	12,7	36,3	1,183,7	1,147,4											

CUADRO A 8.5.2.65 PROYECTO DE CAPACITACION PERMANENTE DE PRODUCTORES (FINCA APICOLA)

TIR 14.6%

	Unidad
Costo de construcciones	595 GS 1,000
Centrifuga	461 GS 1,000
Maquinas	284 GS 1,000
Colmena	10 colmena
Volumen de cosecha	30 kg/colmena
Precio	6,000 GS/kg
Costo	72,000 GS/colmena

Año	Gastos				Ingreso	Margen Bruto
	Construc.	Maquinarias	Administrat.	Total		
1	595	2,840	720	4,155		-4,155
2			720	720	1,800	1,080
3			720	720	1,800	1,080
4			720	720	1,800	1,080
5			720	720	1,800	1,080
6	134	2,840	720	3,694	1,800	-1,894
7			720	720	1,800	1,080
8			720	720	1,800	1,080
9			720	720	1,800	1,080
10			720	720	1,800	1,080
11	595	2,840	720	4,155	1,800	-2,355
12			720	720	1,800	1,080
13			720	720	1,800	1,080
14			720	720	1,800	1,080
15			720	720	1,800	1,080
16	134	2,840	720	3,694	1,800	-1,894
17			720	720	1,800	1,080
18			720	720	1,800	1,080
19			720	720	1,800	1,080
20			720	720	1,800	1,080
21	595	2,840	720	4,155	1,800	-2,355
22			720	720	1,800	1,080
23			720	720	1,800	1,080
24			720	720	1,800	1,080
25			720	720	1,800	1,080
26	134	2,840	720	3,694	1,800	-1,894
27			720	720	1,800	1,080
28			720	720	1,800	1,080
29			720	720	1,800	1,080
30			720	720	1,800	1,080

CUADRO A 8.5.2.66 PROYECTO DE CAPACITACION PERMANENTE DE PRODUCTORES (PROCESAMIENTO DE MIEL)

TIR 21.2%

Precio de recepción 6,000 Gs 1,000/L
 Precio de despacho 7,000 Gs 1,000/L
 Volumen de manejo 12 KL

Planta de procesamiento 12,760
 Maquinarias 9,570

Año	Gastos					Ingreso	Margen Bruta
	Introduc. de Fábrica	Introducc. Maquinarias	Gasto	Materia prima	Total		
1	12,760	9,570	7,800	72,000	102,130	84,000	-18,130
2			7,800	72,000	79,800	84,000	4,200
3			7,800	72,000	79,800	84,000	4,200
4			7,800	72,000	79,800	84,000	4,200
5			7,800	72,000	79,800	84,000	4,200
6			7,800	72,000	79,800	84,000	4,200
7			7,800	72,000	79,800	84,000	4,200
8			7,800	72,000	79,800	84,000	4,200
9			7,800	72,000	79,800	84,000	4,200
10			7,800	72,000	79,800	84,000	4,200
11		9,570	7,800	72,000	89,370	84,000	-5,370
12			7,800	72,000	79,800	84,000	4,200
13			7,800	72,000	79,800	84,000	4,200
14			7,800	72,000	79,800	84,000	4,200
15			7,800	72,000	79,800	84,000	4,200
16			7,800	72,000	79,800	84,000	4,200
17			7,800	72,000	79,800	84,000	4,200
18			7,800	72,000	79,800	84,000	4,200
19			7,800	72,000	79,800	84,000	4,200
20			7,800	72,000	79,800	84,000	4,200
21		9,570	7,800	72,000	89,370	84,000	-5,370
22			7,800	72,000	79,800	84,000	4,200
23			7,800	72,000	79,800	84,000	4,200
24			7,800	72,000	79,800	84,000	4,200
25			7,800	72,000	79,800	84,000	4,200
26			7,800	72,000	79,800	84,000	4,200
27			7,800	72,000	79,800	84,000	4,200
28			7,800	72,000	79,800	84,000	4,200
29			7,800	72,000	79,800	84,000	4,200
30			7,800	72,000	79,800	84,000	4,200

Como costo administrativo, Botella de aproximadamente (200Gs por litro)+personal(2

CUADRO A 8.5.2.67 PROYECTO DE CAPACITACION PERMANENTE DE PRODUCTORES

TER 21.4%

Actual				Plan				Aumento de ingreso
Rubro	Produccion	Ingr. Unit.	Ingr. Agr.	Rubro	Produccion	Ingr. Unit.	Ingr. Agr.	
Banana					1.0	202	202	
Algodón	1.3	379	493		2.4	379	910	
Maíz	1.3	146	190		1.3	146	190	
Poroto	0.3	488	146		0.4	488	195	
Autocon.	2.2	382	840	Autocon.	2.0	382	764	
Total			1,669				2,261	592

Los resultados de la administración iran apareciendo paulatinamente a partir de 10 a 20 años

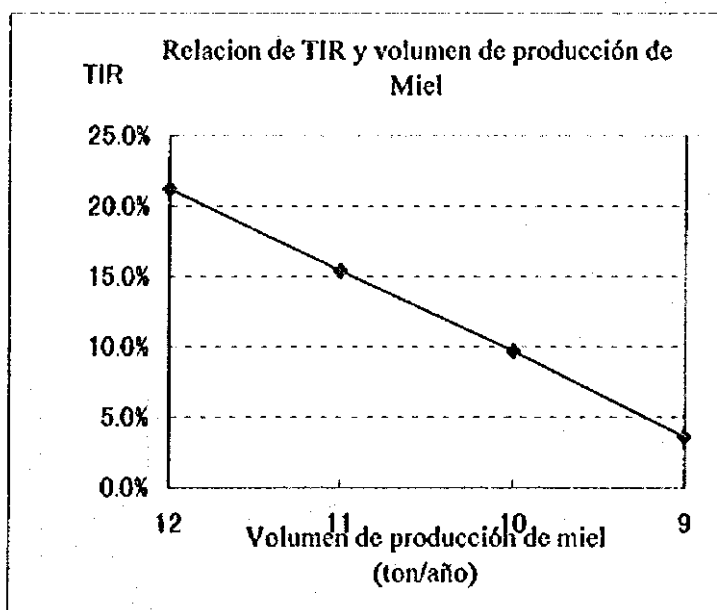
Año	Gastos				Utilidad	Margen Bruta
	Cen. entren.	Veh. orient.	Mantenim.	Total		
1	159,500			159,500		-159,500
2	125,686	300,658	29,765	456,109		-456,109
3			29,765	29,765		-29,765
4			29,765	29,765		-29,765
5			29,765	29,765		-29,765
6			29,765	29,765		-29,765
7			29,765	29,765		-29,765
8			29,765	29,765		-29,765
9			29,765	29,765		-29,765
10			29,765	29,765	148,000	118,235
11			29,765	29,765	296,000	266,235
12		300,658	29,765	330,423	444,000	113,577
13			29,765	29,765	592,000	562,235
14			29,765	29,765	740,000	710,235
15			29,765	29,765	888,000	858,235
16			29,765	29,765	1,036,000	1,006,235
17			29,765	29,765	1,184,000	1,154,235
18			29,765	29,765	1,332,000	1,302,235
19			29,765	29,765	1,480,000	1,450,235
20			29,765	29,765	1,480,000	1,450,235
21			29,765	29,765	1,480,000	1,450,235
22		300,658	29,765	330,423	1,480,000	1,149,577
23			29,765	29,765	1,480,000	1,450,235
24			29,765	29,765	1,480,000	1,450,235
25			29,765	29,765	1,480,000	1,450,235
26			29,765	29,765	1,480,000	1,450,235
27			29,765	29,765	1,480,000	1,450,235
28			29,765	29,765	1,480,000	1,450,235
29			29,765	29,765	1,480,000	1,450,235
30			29,765	29,765	1,480,000	1,450,235

CUADRO A 8.5.2.68 PROYECTO DE CAPACITACION PERMANENTE DE PRODUCTORES (IPI Y INB)

	Actual	Plan	Todo el pais
Renta	1,669	2543	
Tasa de crecimiento	0	2.1%	4.6%
Miembro familiar	5	5	
PNB per capita	166.9	254.3	1210
GAP de Ingreso	0.980683	0.970567	0.859954
Longevidad	67	67	67
GAP de Vida	0.149254	0.149254	0.149254
Pobreza	50%	50%	50%
IPI=	0.491783	0.477323	0.421059
Alfabetización	90%	90%	90%
Escolaridad primaria	100%	100%	100%
Medicos	150%	150%	1.5
	79%	79%	79%
Mortandad infantil	32%	32%	32%
	27%	27%	27%
Servicio medico	61%	61%	61%
Agua	0%	60%	61%
Salud	60%	60%	60%
ESI=	0.95	0.95	0.95
IIS=	0.429652	0.549252	0.551252
BNI=	0.689826	0.749626	0.750626

CUADRO A 8.5.2.69 Proyecto de capacitación permanente para productores/as Analisis de la Fluctua

Volumen de manejo	TIR
12	21.2%
11	15.4%
10	9.7%
9	3.6%



CUADRO A 8.5.2.70 PROYECTO PARA EL FOMENTO DE SERICULTURA (SERICULTOR)

TIR 18.8% VPN(10%) 11,746

Superficie 3 ha
 Rendimien 0.8 t/ha Capullo Gastos adn 1,000 Gs1,000/ha
 Volumen d 2.4 t Capullo Venta 4,000 Gs1,000/t

Actual

Rubro	Superficie	rend de prod	greso unita	Renta
Algodon	1.0	0.80	379	303
Autoconsu	1.0	1.00	334	334
Barbecho	1.0	0.00	0	0
Total	3.0			637

Costos (Gs1,000)

Construcci Criadero Equipos y Centro de envio colectivo
 2,775 6,380 10,288 1,474

Unidad: Gs1,000

Año	Gastos							Ingreso	Margen Bruto	
	Construcción de n	Criadero	Equipos y mater	de envio col	greso perdie	mantenimien	Administrativ			Total
1	2,775	6,380	10,288	1,474	637			21,554	-21,554	
2					637	91	3,000	3,728	9,600	5,872
3					637	91	3,000	3,728	9,600	5,872
4					637	91	3,000	3,728	9,600	5,872
5					637	91	3,000	3,728	9,600	5,872
6			10,288		637	91	3,000	14,016	9,600	-4,416
7					637	91	3,000	3,728	9,600	5,872
8					637	91	3,000	3,728	9,600	5,872
9					637	91	3,000	3,728	9,600	5,872
10					637	91	3,000	3,728	9,600	5,872
11	2,775	6,380	10,288		637	91	3,000	23,172	9,600	-13,572
12					637	91	3,000	3,728	9,600	5,872
13					637	91	3,000	3,728	9,600	5,872
14					637	91	3,000	3,728	9,600	5,872
15					637	91	3,000	3,728	9,600	5,872
16			10,288	1,474	637	91	3,000	15,490	9,600	-5,890
17					637	91	3,000	3,728	9,600	5,872
18					637	91	3,000	3,728	9,600	5,872
19					637	91	3,000	3,728	9,600	5,872
20					637	91	3,000	3,728	9,600	5,872
21	2,775	6,380	10,288		637	91	3,000	23,172	9,600	-13,572
22					637	91	3,000	3,728	9,600	5,872
23					637	91	3,000	3,728	9,600	5,872
24					637	91	3,000	3,728	9,600	5,872
25					637	91	3,000	3,728	9,600	5,872
26			10,288		637	91	3,000	14,016	9,600	-4,416
27					637	91	3,000	3,728	9,600	5,872
28					637	91	3,000	3,728	9,600	5,872
29					637	91	3,000	3,728	9,600	5,872
30					637	91	3,000	3,728	9,600	5,872

CUADRO A 8.5.2.71 PROYECTO PARA EL FOMENTO DE LA SERICULTURA (FINCA SERICOLA)

TIR 41.1% VPN(10%) 37,995

Superficie de cultivo 3 ha
 Rendimiento 1 t/ha Capullo Gastos adn 1,000 Gs1,000/ha
 volumen de cosecha 3 t Capullo Venta 4,000 Gs1,000/t

Actual

Rubro	Superficie	Volumen de prod.	Ingreso unitario	Renta
Algodón	1.0	0.80	527	422
Autoconsumo	1.0	1.00	374	374
Barbecho	1.0	0.00	0	0
Total	3.0			796

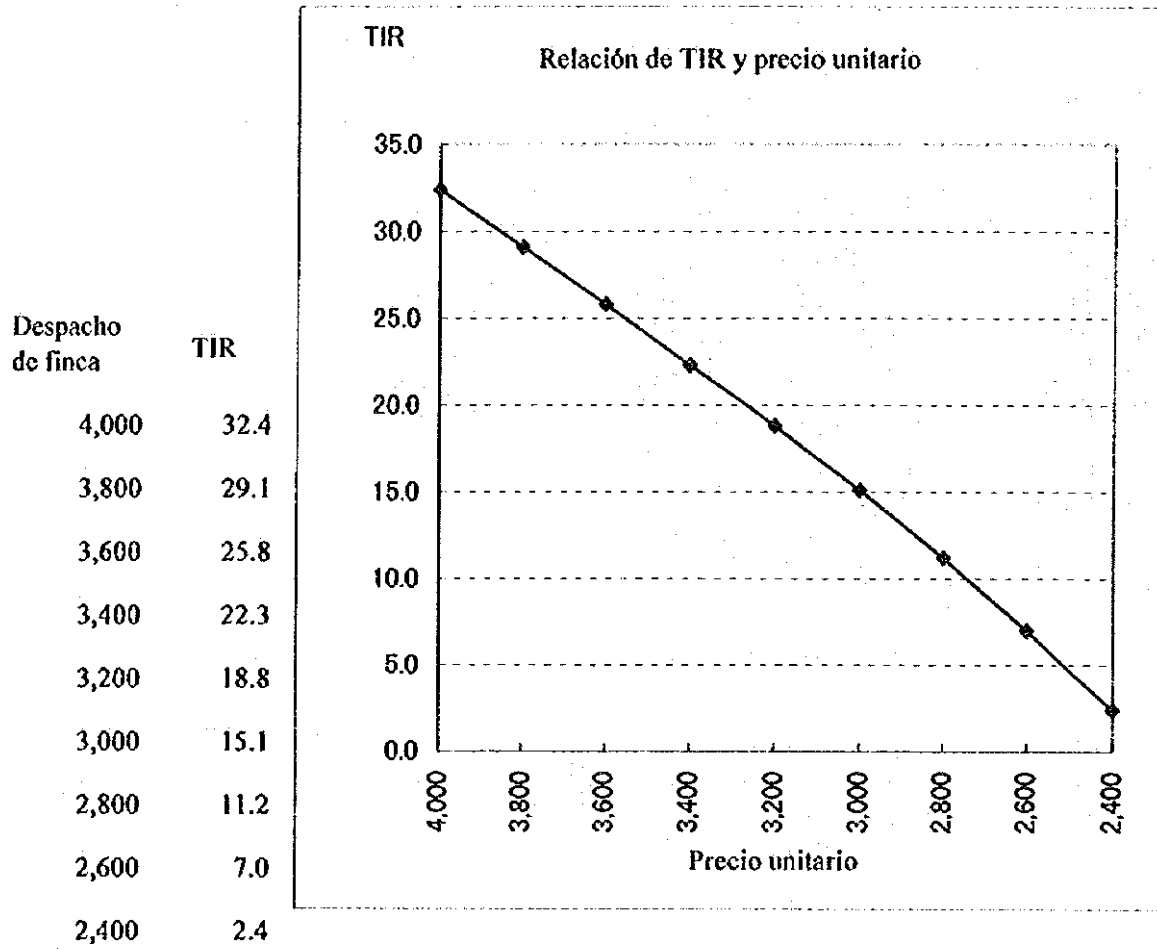
Costo (en miles de Gs)

Morera Criadero Maquinas Acopio
 2,387 5,104 8,230 1,179

Uniad:1000Gs

Año	Gastos								Utilidad	Margen Bruta
	Morera	Criadero	Maquinas	Acopio	Ingreso perdido	Manteni- miento	Adminis- trativo	Total		
1	2,387	5,104	8,230	1,179	796			17,696		-17,696
2					796	91	3,000	3,887	12,000	8,113
3					796	91	3,000	3,887	12,000	8,113
4					796	91	3,000	3,887	12,000	8,113
5					796	91	3,000	3,887	12,000	8,113
6			8,230		796	91	3,000	12,118	12,000	-118
7					796	91	3,000	3,887	12,000	8,113
8					796	91	3,000	3,887	12,000	8,113
9					796	91	3,000	3,887	12,000	8,113
10					796	91	3,000	3,887	12,000	8,113
11	2,387	5,104	8,230		796	91	3,000	19,608	12,000	-7,608
12					796	91	3,000	3,887	12,000	8,113
13					796	91	3,000	3,887	12,000	8,113
14					796	91	3,000	3,887	12,000	8,113
15					796	91	3,000	3,887	12,000	8,113
16			8,230	1,179	796	91	3,000	13,297	12,000	-1,297
17					796	91	3,000	3,887	12,000	8,113
18					796	91	3,000	3,887	12,000	8,113
19					796	91	3,000	3,887	12,000	8,113
20					796	91	3,000	3,887	12,000	8,113
21	2,387	5,104	8,230		796	91	3,000	19,608	12,000	-7,608
22					796	91	3,000	3,887	12,000	8,113
23					796	91	3,000	3,887	12,000	8,113
24					796	91	3,000	3,887	12,000	8,113
25					796	91	3,000	3,887	12,000	8,113
26			8,230		796	91	3,000	12,118	12,000	-118
27					796	91	3,000	3,887	12,000	8,113
28					796	91	3,000	3,887	12,000	8,113
29					796	91	3,000	3,887	12,000	8,113
30					796	91	3,000	3,887	12,000	8,113

**CUADRO A 8.5.2.72 PROYECTO PARA EL FOMENTO DE SERICULTURA
(ANÁLISIS DE FLUCTUACION)**



CUADRO A.8.5.2.73 PROYECTO PARA EL FOMENTO DE EXPLOTACION AGROPECUARIA MIXTA (GLOBAL)

TIR 14.7%

Año	Productor		Comercialización				Industrialización				Total
	Tipo 1	Tipo 2	Tipo 4	Abasto	Camara de frío	Cisterna	Lecheria Empresarial	Lecheria Familiar	Mermelada		
1	-1,618,306	-690,427	-83,100	-669,615	-147,056	-193,680	-1,227,357	-1,565,082	-341,350	-6,535,953	
2	-57,163	-46,340	21,600	48,419	8,379	17,820	99,511	82,210	5,764	180,200	
3	55,637	4,207	21,600	72,629	19,479	32,620	138,866	175,420	59,694	580,152	
4	268,597	49,110	21,600	72,629	38,004	57,320	248,129	361,840	59,694	1,176,924	
5	268,597	62,644	21,600	74,790	38,004	57,320	248,129	455,050	59,694	1,285,829	
6	268,597	108,608	-37,881	81,274	38,004	57,320	248,129	455,050	59,694	1,278,796	
7	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
8	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
9	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
10	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
11	-205,890	108,608	-47,100	81,274	-102,356	-134,080	-368,179	56,300	-90,236	-701,658	
12	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
13	268,597	110,068	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,339,736	
14	268,597	108,218	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,337,887	
15	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
16	268,597	108,608	-37,881	81,274	38,004	57,320	248,129	455,050	59,694	1,278,796	
17	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
18	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
19	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
20	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
21	-205,890	108,608	-47,100	81,274	-102,356	-134,080	-368,179	56,300	-90,236	-701,658	
22	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
23	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
24	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
25	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
26	268,597	110,068	-37,881	81,274	38,004	57,320	248,129	455,050	59,694	1,280,255	
27	268,597	108,218	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,337,887	
28	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
29	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,338,277	
30	268,597	108,608	21,600	81,274	38,004	57,320	248,129	455,050	59,694	1,278,583	

CUADRO A 8.5.2.74 PROYECTO PARA EL FOMENTO DE ADMINISTRACION DE FINCAS AGROPECUARIAS MIXTAS (MODELO 1)

TIR

7.4%

Ingreso Perdido

Rubros	Supreficie	Producción	Ingreso
Algodón	0.4	0.4	152
Maíz	0.9	0.7	102
poroto	0.3	0.2	98
Cosumo Familiar	3.0	3.0	1,152
Lechería	1.5	1.5	441
Total			1,944

Costo de Ejecución de obra

	Superficie	Costo	Costo de Ejecuci •
Cul forrajeros	0.76	2,125	1,615
M.de Pastura	2.14	1,957	4,188
Ins.artificial			374
Total			6,177

Años		1er.	2do.	3er.	4to.
Raza actual	No.de cabezas	3	3	3	
	Volúmen de leche	1.5	1.5	1.5	
Raza mejoradas	No.de cabezas	0	1.5	3	7
	Volúmen de leche	0	3	6	14
Total	No.de cabezas	3	4.5	6	7
	Volumen de leche	1.5	4.5	7.5	14

Año	Egreso				Ingreso	Margen Bruto
	Infraestr.Bica	Administr.	Ingr.perd.	Total		
1	6,177	501	1,944	8,622	720	-7,902
2		1,326	1,944	3,270	2,160	-1,110
3		2,061	1,944	4,005	3,600	-405
4		3,850	1,944	5,794	6,720	926
5		3,850	1,944	5,794	6,720	926
6		3,850	1,944	5,794	6,720	926
7		3,850	1,944	5,794	6,720	926
8		3,850	1,944	5,794	6,720	926
9		3,850	1,944	5,794	6,720	926
10		3,850	1,944	5,794	6,720	926
11		3,850	1,944	5,794	6,720	926
12		3,850	1,944	5,794	6,720	926
13		3,850	1,944	5,794	6,720	926
14		3,850	1,944	5,794	6,720	926
15		3,850	1,944	5,794	6,720	926
16		3,850	1,944	5,794	6,720	926
17		3,850	1,944	5,794	6,720	926
18		3,850	1,944	5,794	6,720	926
19		3,850	1,944	5,794	6,720	926
20		3,850	1,944	5,794	6,720	926
21		3,850	1,944	5,794	6,720	926
22		3,850	1,944	5,794	6,720	926
23		3,850	1,944	5,794	6,720	926
24		3,850	1,944	5,794	6,720	926
25		3,850	1,944	5,794	6,720	926
26		3,850	1,944	5,794	6,720	926
27		3,850	1,944	5,794	6,720	926
28		3,850	1,944	5,794	6,720	926
29		3,850	1,944	5,794	6,720	926
30		3,850	1,944	5,794	6,720	926

CUADRO A 8.5.2.75 PROYECTO PARA EL FOMENTO DE ADMINISTRACION DE FINCAS AGROPECUARIAS MIXTAS (MODELO 2 (LECHERIA))

TIR

7.7%

Sin

Rubros	Superficie	Producción	Ingreso
Algodón	1.3	1.3	493
Barbecho	0.4	0.0	0
Lechería	1.0	1.0	294
Total			787

Costo de implementación de obras

	Superficie	C.unitario	Costo
C. forrajeros	0.36	2,125	765
M. de Pastura	1.24	1,957	2,427
Ins. artificial			249
Total			3,441

Años		1er.	2do.	3er.	4to.
Raza actual	No. de cabezas	2	1	1	
	Volúmen de leche	1	0.5	0.5	
Raza mejoradas	No. de cabezas	0	1	2	3
	Volúmen de leche	0	2	4	6
Total	No. de cabezas	2	2	3	3
	Volúmen de leche	1	2.5	4.5	6

Año	Gastos				Ingreso	Margen Bruto
	Infraestr. básica	Adminitr.	Ingr. perd.	Total		
1	3,441	334	787	4,562	480	-4,082
2		717	787	1,504	1,200	-304
3		1,267	787	2,054	2,160	106
4		1,650	787	2,437	2,880	443
5		1,650	787	2,437	2,880	443
6		1,650	787	2,437	2,880	443
7		1,650	787	2,437	2,880	443
8		1,650	787	2,437	2,880	443
9		1,650	787	2,437	2,880	443
10		1,650	787	2,437	2,880	443
11		1,650	787	2,437	2,880	443
12		1,650	787	2,437	2,880	443
13		1,650	787	2,437	2,880	443
14		1,650	787	2,437	2,880	443
15		1,650	787	2,437	2,880	443
16		1,650	787	2,437	2,880	443
17		1,650	787	2,437	2,880	443
18		1,650	787	2,437	2,880	443
19		1,650	787	2,437	2,880	443
20		1,650	787	2,437	2,880	443
21		1,650	787	2,437	2,880	443
22		1,650	787	2,437	2,880	443
23		1,650	787	2,437	2,880	443
24		1,650	787	2,437	2,880	443
25		1,650	787	2,437	2,880	443
26		1,650	787	2,437	2,880	443
27		1,650	787	2,437	2,880	443
28		1,650	787	2,437	2,880	443
29		1,650	787	2,437	2,880	443
30		1,650	787	2,437	2,880	443

CUADRO A 8.5.2.76 PROYECTO PARA EL FOMENTO DE ADMINISTRACION AGROPECUARIA MIXTA

Plan de producción de Leche	No. de productores	No. de cabezas	Vol. de leche	Plan de aumento del no. de cabezas (Cabezas/productor)				Vol. de leche (Klts./productor)				Vol. de leche (Klts General)							
				1er. año		2do. año		3er. año		4to. año		1er. año		2do. año		3er. año		4to. año	
				Situac. actual		Situac. actual		Situac. actual		Situac. actual		Situac. actual		Situac. actual		Situac. actual		Situac. actual	
TIPO 1	Raza actual	3	0.5	3	3	3	0	1.5	1.5	1.5	1.5	0.0	240	240	240	240	0		
	Raza mejorada	7	2.0	0	0	1.5	3	7	0.0	0.0	3.0	6.0	14.0	0	0	480	960	2240	
	Total			3	3	4.5	6	7	1.5	1.5	4.5	7.5	14.0	240	240	720	1200	2240	
TIPO 2	Raza actual	2	0.5	2	1	1	0	1.0	1.0	0.5	0.5	0.0	130	130	65	65	0		
	Raza mejorada	3	2.0	0	0	1	2	3	0.0	0.0	2.0	4.0	6.0	0	0	260	520	780	
	Total			2	2	2	3	3	1.0	1.0	2.5	4.5	6.0	130	130	325	585	780	
TIPO 3	Raza actual	0	0.5	1	1	0	0	0.5	0.5	0.0	0.0	0.0	110	110	0	0	0		
	Raza mejorada	1	2.0	0	0	1	1	1	0.0	0.0	2.0	2.0	2.0	0	0	440	440	440	
	Total			1	1	1	1	1	0.5	0.5	2.0	2.0	2.0	110	110	440	440	440	

CUADRO A 8.5.2.77 PROGRAMA PARA EL FOMENTO DE LA ADMINISTRACION AGROPECUARIA MIXTA (MODELO I (ALGODON Y ZANAHORIA))

TIR 31.1%
Superficie 1.1 ha.

Año	Gastos					Ingreso	Margen Bruto
	Intr.de maquin.	Mantenimien.	Administrac.	Pérdida	Total		
1	2,966	184	994	417	4,561	2,348	-2,212
2		184	994	417	1,595	2,348	753
3		184	994	417	1,595	2,348	753
4		184	994	417	1,595	2,348	753
5		184	994	417	1,595	2,348	753
6		184	994	417	1,595	2,348	753
7		184	994	417	1,595	2,348	753
8		184	994	417	1,595	2,348	753
9		184	994	417	1,595	2,348	753
10		184	994	417	1,595	2,348	753
11	2,966	184	994	417	4,561	2,348	-2,212
12		184	994	417	1,595	2,348	753
13		184	994	417	1,595	2,348	753
14		184	994	417	1,595	2,348	753
15		184	994	417	1,595	2,348	753
16		184	994	417	1,595	2,348	753
17		184	994	417	1,595	2,348	753
18		184	994	417	1,595	2,348	753
19		184	994	417	1,595	2,348	753
20		184	994	417	1,595	2,348	753
21	2,966	184	994	417	4,561	2,348	-2,212
22		184	994	417	1,595	2,348	753
23		184	994	417	1,595	2,348	753
24		184	994	417	1,595	2,348	753
25		184	994	417	1,595	2,348	753
26		184	994	417	1,595	2,348	753
27		184	994	417	1,595	2,348	753
28		184	994	417	1,595	2,348	753
29		184	994	417	1,595	2,348	753
30		184	994	417	1,595	2,348	753

CUADRO A 8.5.2.78 PROGRAMA PARA EL FOMENTO DE LA ADMINISTRACION AGROPECUARIA MIXTA (MODELO 2 (NARANJA Y REPOLLO))

TIR 15.8%

Año	Riego	Gastos				Total	Ingreso			Margen Bruto
		Administración			Naranja		Repollo	Total		
		Naranja	Repollo	Pérdida						
1	1,064	154	46	104	1,368	0	138	138	-1,229	
2		41	46	104	191	0	138	138	-53	
3		62	46	104	212	0	138	138	-74	
4		71	46	104	221	17	138	155	-66	
5		73	46	104	223	123	138	262	39	
6		120	46	104	270	524	138	662	392	
7		120	46	104	270	524	138	662	392	
8		120	46	104	270	524	138	662	392	
9		120	46	104	270	524	138	662	392	
10		120	46	104	270	524	138	662	392	
11		120	46	104	270	524	138	662	392	
12		120	46	104	270	524	138	662	392	
13		130	46	104	280	545	138	683	403	
14		123	46	104	273	524	138	662	389	
15		120	46	104	270	524	138	662	392	
16		120	46	104	270	524	138	662	392	
17		120	46	104	270	524	138	662	392	
18		120	46	104	270	524	138	662	392	
19		120	46	104	270	524	138	662	392	
20		120	46	104	270	524	138	662	392	
21		120	46	104	270	524	138	662	392	
22		120	46	104	270	524	138	662	392	
23		120	46	104	270	524	138	662	392	
24		120	46	104	270	524	138	662	392	
25		120	46	104	270	524	138	662	392	
26		130	46	104	280	545	138	683	403	
27		123	46	104	273	524	138	662	389	
28		120	46	104	270	524	138	662	392	
29		120	46	104	270	524	138	662	392	
30		120	46	104	270	524	138	662	392	

CUADRO A 8.5.2.79 PROYECTO PARA EL FOMENTO DE LA EXPLOTACION AGROPECUARIA MIXTA (MERCADO DE ABASTECIMIENTO)

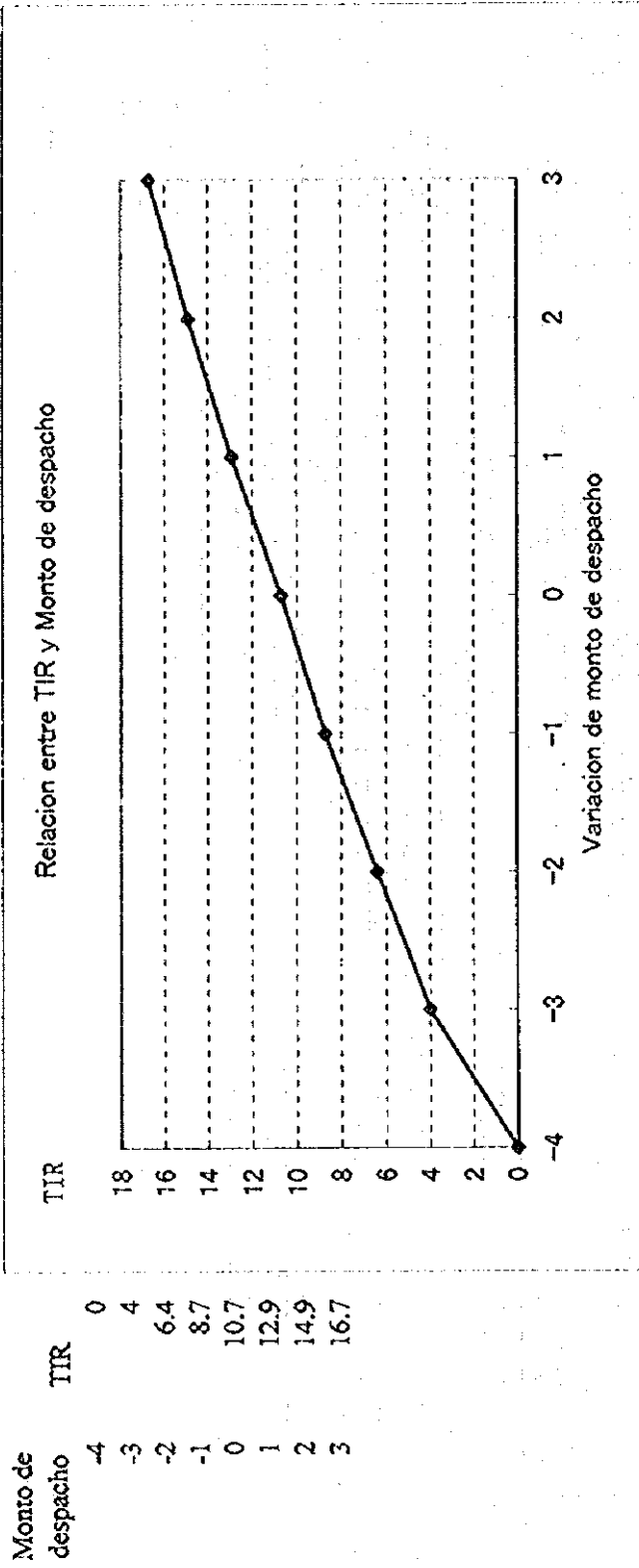
TIR 10.7%

Principales Rubros, cantidades, valor

Rubro	Cantidad						Valor de ingreso	Valor de despacho
	1er. año	2do. año	3er. año	4to. año	5to. año	6to. año		
Zanahoria	59	117	176	176	176	176	646	717
Naranja					114	455	362	401
Repollo	13	26	39	39	39	39	461	511
Zapallo	325	650	975	975	975	975	108	119
Tomate	301	601	902	902	902	902	908	1007
Total	697	1,395	2,092	2,092	2,206	2,547		

Año	Gasto			Total	Utilidad	
	Infraestructura	Mantenimiento	Costo de recepción		Costo de Despacho	Margen Bruto
1	693,825	13,947	351,997	1,059,769	390,153	-669,615
2		27,893	703,994	731,887	780,307	48,419
3		41,840	1,055,991	1,097,831	1,170,460	72,629
4		41,840	1,055,991	1,097,831	1,170,460	72,629
5		44,115	1,097,169	1,141,284	1,216,074	74,790
6		50,940	1,220,701	1,271,641	1,352,915	81,274
7		50,940	1,220,701	1,271,641	1,352,915	81,274
8		50,940	1,220,701	1,271,641	1,352,915	81,274
9		50,940	1,220,701	1,271,641	1,352,915	81,274
10		50,940	1,220,701	1,271,641	1,352,915	81,274
11		50,940	1,220,701	1,271,641	1,352,915	81,274
12		50,940	1,220,701	1,271,641	1,352,915	81,274
13		50,940	1,220,701	1,271,641	1,352,915	81,274
14		50,940	1,220,701	1,271,641	1,352,915	81,274
15		50,940	1,220,701	1,271,641	1,352,915	81,274
16		50,940	1,220,701	1,271,641	1,352,915	81,274
17		50,940	1,220,701	1,271,641	1,352,915	81,274
18		50,940	1,220,701	1,271,641	1,352,915	81,274
19		50,940	1,220,701	1,271,641	1,352,915	81,274
20		50,940	1,220,701	1,271,641	1,352,915	81,274
21		50,940	1,220,701	1,271,641	1,352,915	81,274
22		50,940	1,220,701	1,271,641	1,352,915	81,274
23		50,940	1,220,701	1,271,641	1,352,915	81,274
24		50,940	1,220,701	1,271,641	1,352,915	81,274
25		50,940	1,220,701	1,271,641	1,352,915	81,274
26		50,940	1,220,701	1,271,641	1,352,915	81,274
27		50,940	1,220,701	1,271,641	1,352,915	81,274
28		50,940	1,220,701	1,271,641	1,352,915	81,274
29		50,940	1,220,701	1,271,641	1,352,915	81,274
30		50,940	1,220,701	1,271,641	1,352,915	81,274

CUADRO A 8.5.2.80 PROYECTO PARA EL FOMENTO DE LA EXPLOTACION AGROPECUARIA MIXTA (MERCADO DE ABASTECIMIENTO (ANALISIS DE FLUCTUACION))



CUADRO A 8.5.2.81 PROYECTO PARA EL FOMENTO DE LA ADMINISTRACION DE FINCAS AGROPECUARIAS MIXTAS (INFRAESTRUCTURA DE PROCESAMIENTO DE LA LECHE (NIVEL EMPRESARIAL))

TIR 15.0% VPN(10%) 246,765

Plan de Industrialización

	1	2	3	4	
V.de Producc	480	1,485	2,225	3,460	Klts.
Empresarial	300	1,125	1,505	2,560	Klts.
Familiar	180	360	720	900	Klts.

	Mat.prima	Leche cruda	Yoghurt	Queso	
Pecio unitario	515	800	800	4,300	Gs/Lts.
% de procesamiento		95%	95%	11.4%	

Año	Gastos					Ingreso	Margen Bruto	
	Maquinarias y otros	Infraestructura	Fortalecim. de Organizaciones	Adquisición de materia prima	Mantenimiento			Total
1	308,154	95,700	209,825			613,679	-613,679	
2				289,688	37,470	327,157	376,913	49,755
3				387,538	47,255	434,792	504,225	69,433
4				659,200	74,421	733,621	857,685	124,065
5				659,200	74,421	733,621	857,685	124,065
6				659,200	74,421	733,621	857,685	124,065
7				659,200	74,421	733,621	857,685	124,065
8				659,200	74,421	733,621	857,685	124,065
9				659,200	74,421	733,621	857,685	124,065
10				659,200	74,421	733,621	857,685	124,065
11	308,154			659,200	74,421	1,041,775	857,685	-184,089
12				659,200	74,421	733,621	857,685	124,065
13				659,200	74,421	733,621	857,685	124,065
14				659,200	74,421	733,621	857,685	124,065
15				659,200	74,421	733,621	857,685	124,065
16				659,200	74,421	733,621	857,685	124,065
17				659,200	74,421	733,621	857,685	124,065
18				659,200	74,421	733,621	857,685	124,065
19				659,200	74,421	733,621	857,685	124,065
20				659,200	74,421	733,621	857,685	124,065
21	308,154			659,200	74,421	1,041,775	857,685	-184,089
22				659,200	74,421	733,621	857,685	124,065
23				659,200	74,421	733,621	857,685	124,065
24				659,200	74,421	733,621	857,685	124,065
25				659,200	74,421	733,621	857,685	124,065
26				659,200	74,421	733,621	857,685	124,065
27				659,200	74,421	733,621	857,685	124,065
28				659,200	74,421	733,621	857,685	124,065
29				659,200	74,421	733,621	857,685	124,065
30				659,200	74,421	733,621	857,685	124,065

Costo de Mantenimiento=(4.4% del precio de las maquinarias)+costo de personal(10% del costo de la materia prima)

Vida util de las maquinarias 10 Años

CUADRO A 8.5.2.82 PROYECTO PARA EL FOMENTO DE LA ADMINISTRACION DE FINCAS AGROPECUARIAS MIXTAS (INFRAESTRUCTURA DE PROCESAMIENTO DE LA LECHE (NIVEL FAMILIAR))

TIR 20.7% VNP(10%) 335,541

Plan de Industrialización

	1	2	3	4	
V.de Produce.	480	1,485	2,225	3,460	Klts.
Empresarial	300	1,125	1,505	2,560	Klts.
Familiar	180	360	720	900	Klts.

	Mat.prima	Leche cruda	Yoghurt	Queso	
Pecio unitario	515	800	800	4,300	Gs/Lts.
% de procesamiento		95%	95%	11.4%	

Año	Gastos					Ingreso	Margen Bruto	
	Maquinarias y otros	Infraestructura	Fortalecim. de Organizaciones	Adquisición de materia prima	Mantenimiento			Total
1	79,750	159,500	73,766			313,016	-313,016	
2				92,700	11,470	104,170	120,612	16,442
3				185,400	20,740	206,140	241,224	35,084
4				370,800	39,280	410,080	482,448	72,368
5				463,500	48,550	512,050	603,060	91,010
6				463,500	48,550	512,050	603,060	91,010
7				463,500	48,550	512,050	603,060	91,010
8				463,500	48,550	512,050	603,060	91,010
9				463,500	48,550	512,050	603,060	91,010
10				463,500	48,550	512,050	603,060	91,010
11	79,750			463,500	48,550	591,800	603,060	11,260
12				463,500	48,550	512,050	603,060	91,010
13				463,500	48,550	512,050	603,060	91,010
14				463,500	48,550	512,050	603,060	91,010
15				463,500	48,550	512,050	603,060	91,010
16				463,500	48,550	512,050	603,060	91,010
17				463,500	48,550	512,050	603,060	91,010
18				463,500	48,550	512,050	603,060	91,010
19				463,500	48,550	512,050	603,060	91,010
20				463,500	48,550	512,050	603,060	91,010
21	79,750			463,500	48,550	591,800	603,060	11,260
22				463,500	48,550	512,050	603,060	91,010
23				463,500	48,550	512,050	603,060	91,010
24				463,500	48,550	512,050	603,060	91,010
25				463,500	48,550	512,050	603,060	91,010
26				463,500	48,550	512,050	603,060	91,010
27				463,500	48,550	512,050	603,060	91,010
28				463,500	48,550	512,050	603,060	91,010
29				463,500	48,550	512,050	603,060	91,010
30				463,500	48,550	512,050	603,060	91,010

Costo de Mantenimiento=(4.4% del precio de las maquinarias)+costo de personal(10% del costo de la materia prima)

Vida útil de las maquinarias 10 Años

CUADRO A 8.5.2.83 PROYECTO PARA EL FOMENTO DE LA EXPLOTACION AGROPECUARIA MIXTA (GLOBAL ECONOMICO)

TIRE 19.9%

Año	Productor			Comercialización			Industrialización			Total
	Tipo 1	Tipo 2	Tipo 4	Mercado de Abasto	Camara de frío	Cisterna	Lechería Empresarial	Lechería Familiar	Mermelada	
1	-1,504,260	-645,424	-83,100	-560,419	-127,405	-166,884	-1,039,111	-1,340,118	-284,548	-5,751,270
2	-32,414	-44,169	21,600	72,541	8,379	17,820	102,911	84,410	5,764	236,842
3	124,498	31,364	21,600	108,811	19,479	32,620	142,267	177,620	59,694	717,953
4	437,435	94,470	21,600	108,811	38,004	57,320	251,529	364,040	59,694	1,432,904
5	437,435	108,004	21,600	112,337	38,004	57,320	251,529	457,250	59,694	1,543,174
6	437,435	153,968	-37,881	122,916	38,004	57,320	251,529	457,250	59,694	1,540,236
7	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
8	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
9	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
10	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
11	-37,051	153,968	-47,100	122,916	-82,705	-107,284	-241,517	138,250	-60,250	-160,774
12	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
13	437,435	155,427	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,601,177
14	437,435	153,578	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,327
15	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
16	437,435	153,968	-37,881	122,916	38,004	57,320	251,529	457,250	59,694	1,540,236
17	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
18	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
19	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
20	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
21	-37,051	153,968	-47,100	122,916	-82,705	-107,284	-241,517	138,250	-60,250	-160,774
22	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
23	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
24	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
25	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
26	437,435	155,427	-37,881	122,916	38,004	57,320	251,529	457,250	59,694	1,541,696
27	437,435	153,578	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,327
28	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
29	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,599,717
30	437,435	153,968	21,600	122,916	38,004	57,320	251,529	457,250	59,694	1,540,023

CUADRO A 8.5.2.84 PROYECTO PARA EL ACONDICIONAMIENTO DE TIERRAS PARA LA PRODUCCION DE ARROZ CON RIEGO (GLOBAL)

TIR

15.8%

Año	Gastos								Ingreso	Margen Bruto
	Infraestructura básica	Maquinarias y equipos	Combust. y mantenim.	Construcciones	Alquiler	Administrativos	Molino	Total		
1	653,602			102,950	303,380		5,639,504	6,699,436		-6,699,436
2	455,822	841,090	57,426		303,380	177,572	170,858	2,006,148	917,654	-1,088,494
3	455,822	841,090	114,852		303,380	355,144	196,496	2,266,784	1,835,309	-431,475
4	455,822	841,090	172,278		303,380	532,716	201,834	2,507,120	2,752,963	245,843
5	455,822	841,090	229,705		303,380	710,288	207,471	2,747,756	3,670,618	922,862
6	0	841,090	287,131	102,950	303,380	887,860	213,109	2,635,519	4,588,272	1,952,753
7	0	0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
8	0	0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
9	0	0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
10	0	0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
11		0	287,131	102,950	303,380	887,860	5,114,863	6,696,183	4,588,272	-2,107,911
12		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
13		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
14		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
15		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
16		841,090	287,131	102,950	303,380	887,860	213,109	2,635,519	4,588,272	1,952,753
17		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
18		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
19		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
20		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
21		0	287,131	102,950	303,380	887,860	5,114,863	6,696,183	4,588,272	-2,107,911
22		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
23		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
24		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
25		841,090	287,131		303,380	887,860	213,109	2,532,569	4,588,272	2,055,703
26		841,090	287,131	102,950	303,380	887,860	213,109	2,635,519	4,588,272	1,952,753
27		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
28		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
29		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
30		0	287,131		303,380	887,860	213,109	1,691,479	4,588,272	2,896,793
Total	2,476,890	12,616,349	7,752,529	617,700	9,101,400	23,972,220	21,547,391	78,084,478	123,883,344	45,798,866

CUADRO A 8.5.2.85 PROYECTO PARA EL ACONDICIONAMIENTO DE TIERRAS PARA LA PRODUCCION DE ARROZ CON RIEGO (BALANZA DE FINCA)

Indicadores básicos

Superficie	20 ha	
Rendimiento	4.8 t/ha	
Precio	359 mil Gs/ton	Costo normal 431 mil Gs/ha
Perdida de cosecha	10%	
Amortización (por ha)		
Alquiler	758 mil Gs/10año: Equipos	2,103 mil Gs/10años
Construcciones	1,140 mil Gs/10año: Combustibles	144 mil Gs/años
Tasa de interés		
Largo plazo	7.0%	Corto plazo 9.0%

Año	Gastos					Ingreso	Margen Bruto	
	Tierra	Maquinarias	Reparación y combustib.	Costrucción	Administrativo			Total
1	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
2	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
3	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
4	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
5	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
6	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
7	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
8	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
9	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
10	4,070	5,988	3,082	3,246	9,500	25,886	31,018	5,132
11	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
12	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
13	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
14	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
15	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
16	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
17	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
18	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
19	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
20	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
21	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
22	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
23	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
24	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
25	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
26	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
27	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
28	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
29	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378
30	4,070	5,988	3,082	0	9,500	22,640	31,018	8,378

CUADRO A 8.5.2.86 PROYECTO DE DESARROLLO DE ARROZAL Y ASENTAMIENTOS (ENTIDAD PUBLICA)

TTR 9.0% VNP de capital final(10%)= 170,913

AÑO	Infraestruct. básica	Maquinaria y equipos	Combust. y reparación	Gastos Equipamiento	Alquiler	Gastos admnis.	Total	Ingreso	Margen bruto		Aporte externo		Préstamo de entidad (interaccional)	Ingreso	Gastos Amortización	Balance	Capital
									Costos	Unidad	Costos	Unidad					
1	653,602	841,090	0	102,950	303,380	177,572	1,059,932	517,720	-1,059,932	0	736,051	-736,051	2,000,000	1,263,949	180,000	1,263,949	1,263,949
2	455,822	841,090	0	102,950	303,380	177,572	1,835,290	517,720	-1,317,570	388,970	1,378,879	-989,909	1,500,000	510,091	315,000	350,091	1,682,516
3	455,822	841,090	0	102,950	303,380	177,572	2,070,288	1,035,440	-1,034,848	1,581,015	790,733	-790,281	1,000,000	209,719	405,000	-105,281	1,695,011
4	455,822	841,090	0	102,950	303,380	177,572	2,305,286	1,035,440	-752,126	1,783,150	1,201,377	-581,773	200,000	-381,773	405,000	-786,773	1,026,889
5	455,822	841,090	0	102,950	303,380	177,572	2,540,284	2,070,880	-469,404	1,985,285	1,618,436	-366,849	0	-366,849	423,000	-789,849	308,922
6	0	841,090	0	102,950	303,380	887,860	2,422,411	2,588,600	166,189	2,001,650	2,138,973	137,323	0	137,323	462,093	-324,770	5,776
7	0	841,090	0	102,950	303,380	887,860	1,478,371	2,588,600	1,110,229	1,291,993	2,262,255	970,263	0	970,263	491,413	478,850	485,030
8	0	841,090	0	102,950	303,380	887,860	1,478,371	2,588,600	1,110,229	1,291,993	2,262,255	970,263	0	970,263	510,959	459,304	978,286
9	0	841,090	0	102,950	303,380	887,860	1,478,371	2,588,600	1,110,229	1,291,993	2,262,255	970,263	0	970,263	514,868	455,395	1,502,161
10	0	841,090	0	102,950	303,380	887,860	1,478,371	2,588,600	1,110,229	1,291,993	2,262,255	970,263	0	970,263	514,868	455,395	2,062,707
11	0	841,090	0	102,950	303,380	887,860	1,581,321	2,588,600	1,007,279	1,369,383	2,241,660	872,278	0	872,278	514,868	357,410	2,564,506
12	0	841,090	0	102,950	303,380	887,860	2,319,461	2,523,680	204,219	1,924,260	2,093,684	169,424	0	169,424	514,868	-345,444	2,398,577
13	0	841,090	0	102,950	303,380	887,860	2,319,461	2,458,760	139,299	1,924,260	2,039,825	115,565	0	115,565	514,868	-399,303	2,167,175
14	0	841,090	0	102,950	303,380	887,860	2,319,461	2,458,760	74,379	1,924,260	1,985,966	61,706	0	61,706	514,868	-483,162	1,865,715
15	0	841,090	0	102,950	303,380	887,860	2,319,461	2,328,920	9,459	1,924,260	1,932,108	7,848	0	7,848	514,868	-507,020	1,489,295
16	0	841,090	0	102,950	303,380	887,860	2,422,411	2,264,000	-158,411	2,001,650	1,870,755	-130,895	0	-130,895	514,868	-645,763	947,782
17	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	514,868	171,717	1,185,844
18	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	514,868	171,717	1,713,127
19	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	514,868	171,717	2,004,763
20	0	841,090	0	102,950	303,380	887,860	1,581,321	2,264,000	682,679	1,291,993	1,980,565	591,183	0	591,183	514,868	76,315	2,221,411
21	0	841,090	0	102,950	303,380	887,860	2,319,461	2,264,000	-55,461	1,924,260	1,878,249	-46,011	0	-46,011	514,868	-560,879	1,816,030
22	0	841,090	0	102,950	303,380	887,860	2,319,461	2,264,000	-55,461	1,924,260	1,878,249	-46,011	0	-46,011	514,868	-560,879	1,382,274
23	0	841,090	0	102,950	303,380	887,860	2,319,461	2,264,000	-55,461	1,924,260	1,878,249	-46,011	0	-46,011	514,868	-560,879	918,154
24	0	841,090	0	102,950	303,380	887,860	2,422,411	2,264,000	-158,411	2,001,650	1,870,755	-130,895	0	-130,895	514,868	-426,670	24,383
25	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	131,455	555,130	581,220
26	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	21,909	664,676	1,286,582
27	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	0	686,585	2,063,227
28	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	0	686,585	2,894,238
29	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	0	686,585	2,894,238
30	0	841,090	0	102,950	303,380	887,860	1,478,371	2,264,000	785,629	1,291,993	1,978,578	686,585	0	686,585	0	686,585	2,894,238
Total	2,476,890	12,616,349	0	7,752,529	617,700	9,101,400	23,972,220	64,374,000	7,836,913								

Obs1: 1 año para construcción de 1 lote (400 ha) y 5 años para completar

Obs2: La administración se iniciará luego de la finalización de las obras

Obs3: Periodo de alquiler de 5 años, el pago 350000\$ por ha correspondiente a 5 años se abonará al contado y la finca amortizara en 5 años

Obs4: La tasa de amortización será de 9% para gastos administrativos y 7% para largo plazo

Obs5: El préstamo de entidad internacional se presupone 9% anual, con 5 años de gracia y 20 años de amortización

Obs6: El capital será marceado con 7% anual.

Obs7: Se establece como 10 años la vida útil de maquinas, y 10% del monto para mantenimiento y reparación