

Table VII- 1  
Sheet 8

Economic Internal Rate of Return (EIRR)  
{Alternative 1}

(10<sup>6</sup> TL)

Year	Cost	Benefit	B-C	Discount	Net	Discount	Net
				Factor	Present	Factor	Present
				5.0%	Value	18.7%	Value
1	1,476	-99	-1,575	0.952381	-1,500	0.842389	-1,327
2	7,339	-198	-7,537	0.907029	-6,836	0.709620	-5,348
3	9,382	-296	-9,679	0.863838	-8,361	0.597776	-5,786
4	9,137	-395	-9,533	0.822702	-7,843	0.503560	-4,800
5	62,528	-601	-63,130	0.783526	-49,464	0.424194	-26,779
6	35,669	4,930	-30,738	0.746215	-22,937	0.357336	-10,984
7	21,192	13,884	-7,308	0.710681	-5,194	0.301016	-2,200
8	901	26,276	25,375	0.676839	17,175	0.253573	6,434
9	901	31,766	30,865	0.644609	19,896	0.213607	6,593
10	901	34,232	33,331	0.613913	20,462	0.179940	5,998
11	901	34,886	33,985	0.584679	19,870	0.151580	5,151
12	901	36,768	35,867	0.556837	19,972	0.127689	4,580
13	901	38,985	38,084	0.530321	20,197	0.107564	4,096
14	901	41,120	40,219	0.505068	20,313	0.090611	3,644
15	901	42,507	41,606	0.481017	20,013	0.076329	3,176
16	901	43,579	42,678	0.458112	19,551	0.064299	2,744
17	901	44,087	43,186	0.436297	18,842	0.054165	2,339
18	901	44,087	43,186	0.415521	17,945	0.045628	1,971
19	901	44,087	43,186	0.395734	17,090	0.038436	1,660
20	901	44,087	43,186	0.376889	16,276	0.032378	1,398
21	901	44,087	43,186	0.358942	15,501	0.027275	1,178
22	901	44,087	43,186	0.341850	14,763	0.022976	992
23	901	44,087	43,186	0.325571	14,060	0.019355	836
24	901	44,087	43,186	0.310068	13,391	0.016304	704
25	901	44,087	43,186	0.295303	12,753	0.013735	593
26	901	44,087	43,186	0.281241	12,146	0.011570	500
27	901	44,087	43,186	0.267848	11,567	0.009746	421
28	901	44,087	43,186	0.255094	11,017	0.008210	355
29	901	44,087	43,186	0.242946	10,492	0.006916	299
30	901	44,087	43,186	0.231377	9,992	0.005826	252
31	901	44,087	43,186	0.220359	9,517	0.004908	212
32	5,962	44,087	38,125	0.209866	8,001	0.004134	158
33	901	44,087	43,186	0.199873	8,632	0.003483	150
34	901	44,087	43,186	0.190355	8,221	0.002934	127
35	901	44,087	43,186	0.181290	7,829	0.002471	107
36	901	44,087	43,186	0.172657	7,456	0.002082	90
37	901	44,087	43,186	0.164436	7,101	0.001754	76
38	901	44,087	43,186	0.156605	6,763	0.001477	64
39	901	44,087	43,186	0.149148	6,441	0.001245	54
40	901	44,087	43,186	0.142046	6,134	0.001048	45
41	901	44,087	43,186	0.135282	5,842	0.000883	38
42	901	44,087	43,186	0.128840	5,564	0.000744	32
43	901	44,087	43,186	0.122704	5,299	0.000627	27
44	901	44,087	43,186	0.116861	5,047	0.000528	23
45	901	44,087	43,186	0.111297	4,806	0.000445	19
46	901	44,087	43,186	0.105997	4,578	0.000375	16
47	901	44,087	43,186	0.100949	4,360	0.000316	14
48	901	44,087	43,186	0.096142	4,152	0.000266	11
49	901	44,087	43,186	0.091564	3,954	0.000224	10
50	901	44,087	43,186	0.087204	3,766	0.000189	8
51	901	44,087	43,186	0.083051	3,587	0.000159	7
52	901	44,087	43,186	0.079096	3,416	0.000134	6
53	901	44,087	43,186	0.075330	3,253	0.000113	5
54	901	44,087	43,186	0.071743	3,098	0.000095	4
55	901	44,087	43,186	0.068326	2,951	0.000080	3
56	901	44,087	43,186	0.065073	2,810	0.000067	3
57	901	44,087	43,186	0.061974	2,676	0.000057	2
Total	196,835	2,154,924	1,958,088		416,407		-0

<IRR> 18.7% Discount Factor 5% : NPV= 416,407 , B/C= 4.3  
Discount Factor 10% : NPV= 112,103 , B/C= 2.2  
Discount Factor 12% : NPV= 65,552 , B/C= 1.8

Table VII-1  
Sheet 9

Economic Internal Rate of Return (EIRR)  
[Alternative 2]

Year	Cost	Benefit	B-C	(10 <sup>6</sup> TL)	
				Discount Factor	Net Present Value
				5.0%	16.6%
1	1,476	-102	-1,579	0.952381	-1,504
2	8,638	-205	-8,842	0.907029	-8,020
3	9,328	-307	-9,635	0.863838	-8,323
4	61,627	-520	-62,148	0.822702	-51,129
5	56,005	-758	-56,763	0.783526	-44,475
6	901	14,197	13,296	0.746215	9,921
7	901	20,522	19,621	0.710681	13,944
8	901	27,039	26,138	0.676839	17,691
9	901	27,124	26,223	0.644609	16,903
10	901	27,208	26,307	0.613913	16,150
11	901	28,837	27,936	0.584679	16,334
12	901	31,831	30,930	0.556837	17,223
13	901	32,729	31,828	0.530321	16,879
14	901	33,927	33,026	0.505068	16,680
15	901	35,124	34,223	0.481017	16,462
16	901	35,124	34,223	0.458112	15,678
17	901	35,124	34,223	0.436297	14,931
18	901	35,124	34,223	0.415521	14,220
19	901	35,124	34,223	0.395734	13,543
20	901	35,124	34,223	0.376889	12,898
21	901	35,124	34,223	0.358942	12,284
22	901	35,124	34,223	0.341850	11,699
23	901	35,124	34,223	0.325571	11,142
24	901	35,124	34,223	0.310068	10,612
25	901	35,124	34,223	0.295303	10,106
26	901	35,124	34,223	0.281241	9,625
27	901	35,124	34,223	0.267848	9,167
28	901	35,124	34,223	0.255094	8,730
29	901	35,124	34,223	0.242946	8,314
30	5,962	35,124	29,162	0.231377	6,747
31	901	35,124	34,223	0.220359	7,541
32	901	35,124	34,223	0.209866	7,182
33	901	35,124	34,223	0.199873	6,840
34	901	35,124	34,223	0.190355	6,515
35	901	35,124	34,223	0.181290	6,204
36	901	35,124	34,223	0.172657	5,909
37	901	35,124	34,223	0.164436	5,628
38	901	35,124	34,223	0.156605	5,360
39	901	35,124	34,223	0.149148	5,104
40	901	35,124	34,223	0.142046	4,861
41	901	35,124	34,223	0.135282	4,630
42	901	35,124	34,223	0.128840	4,409
43	901	35,124	34,223	0.122704	4,199
44	901	35,124	34,223	0.116861	3,999
45	901	35,124	34,223	0.111297	3,809
46	901	35,124	34,223	0.105997	3,628
47	901	35,124	34,223	0.100949	3,455
48	901	35,124	34,223	0.096142	3,290
49	901	35,124	34,223	0.091564	3,134
50	901	35,124	34,223	0.087204	2,984
51	901	35,124	34,223	0.083051	2,842
52	901	35,124	34,223	0.079096	2,707
53	901	35,124	34,223	0.075330	2,578
54	901	35,124	34,223	0.071743	2,455
55	901	35,124	34,223	0.068326	2,338
Total	187,186	1,681,615	1,494,429		326,038

<IRR> 16.6% Discount Factor 5% : NPV= 326,038 , B/C= 3.6  
Discount Factor 10% : NPV= 82,939 , B/C= 1.8  
Discount Factor 12% : NPV= 44,722 , B/C= 1.5

Economic Internal Rate of Return

Economic Internal Rate of Return (EIRR)  
[Alternative 3]

(10<sup>6</sup> TL)

Year	Cost	Benefit	B-C	Discount	Net	Discount	Net
				Factor	Present	Factor	Present
				5.0%	Value	14.2%	Value
1	3,604	0	-3,604	0.952381	-3,432	0.875639	-3,156
2	3,604	0	-3,604	0.907029	-3,269	0.766744	-2,763
3	16,076	-138	-16,213	0.863838	-14,005	0.671391	-10,885
4	26,533	-272	-26,805	0.822702	-22,053	0.587897	-15,759
5	23,222	-393	-23,616	0.783526	-18,504	0.514785	-12,157
6	27,541	-543	-28,084	0.746215	-20,956	0.450766	-12,659
7	26,499	-652	-27,151	0.710681	-19,296	0.394709	-10,717
8	26,799	-813	-27,612	0.676839	-18,689	0.345622	-9,543
9	901	12,823	11,922	0.644609	7,685	0.302640	3,608
10	901	21,118	20,217	0.613913	12,411	0.265004	5,358
11	901	28,880	27,979	0.584679	16,359	0.232048	6,493
12	901	31,550	30,649	0.556837	17,067	0.203190	6,228
13	901	33,495	32,594	0.530321	17,285	0.177921	5,799
14	901	35,126	34,225	0.505068	17,286	0.155795	5,332
15	901	36,705	35,804	0.481017	17,222	0.136420	4,884
16	901	38,267	37,366	0.458112	17,118	0.119455	4,464
17	901	40,450	39,549	0.436297	17,255	0.104599	4,137
18	901	41,983	41,082	0.415521	17,071	0.091591	3,763
19	901	43,242	42,341	0.395734	16,756	0.080201	3,396
20	901	43,972	43,071	0.376889	16,233	0.070227	3,025
21	901	44,087	43,186	0.358942	15,501	0.061494	2,656
22	901	44,087	43,186	0.341850	14,763	0.053846	2,325
23	901	44,087	43,186	0.325571	14,060	0.047150	2,036
24	901	44,087	43,186	0.310068	13,391	0.041286	1,783
25	901	44,087	43,186	0.295303	12,753	0.036152	1,561
26	901	44,087	43,186	0.281241	12,146	0.031656	1,367
27	901	44,087	43,186	0.267848	11,567	0.027719	1,197
28	901	44,087	43,186	0.255094	11,017	0.024272	1,048
29	901	44,087	43,186	0.242946	10,492	0.021254	918
30	901	44,087	43,186	0.231377	9,992	0.018610	804
31	901	44,087	43,186	0.220359	9,517	0.016296	704
32	901	44,087	43,186	0.209866	9,063	0.014269	616
33	5,962	44,087	38,125	0.199873	7,620	0.012495	476
34	901	44,087	43,186	0.190355	8,221	0.010941	473
35	901	44,087	43,186	0.181290	7,829	0.009580	414
36	901	44,087	43,186	0.172657	7,456	0.008389	362
37	901	44,087	43,186	0.164436	7,101	0.007346	317
38	901	44,087	43,186	0.156605	6,763	0.006432	278
39	901	44,087	43,186	0.149148	6,441	0.005632	243
40	901	44,087	43,186	0.142046	6,134	0.004932	213
41	901	44,087	43,186	0.135282	5,842	0.004319	187
42	901	44,087	43,186	0.128840	5,564	0.003781	163
43	901	44,087	43,186	0.122704	5,299	0.003311	143
44	901	44,087	43,186	0.116861	5,047	0.002899	125
45	901	44,087	43,186	0.111297	4,806	0.002539	110
46	901	44,087	43,186	0.105997	4,578	0.002223	96
47	901	44,087	43,186	0.100949	4,360	0.001947	84
48	901	44,087	43,186	0.096142	4,152	0.001705	74
49	901	44,087	43,186	0.091564	3,954	0.001493	64
50	901	44,087	43,186	0.087204	3,766	0.001307	56
51	901	44,087	43,186	0.083051	3,587	0.001144	49
52	901	44,087	43,186	0.079096	3,416	0.001002	43
53	901	44,087	43,186	0.075330	3,253	0.000877	38
54	901	44,087	43,186	0.071743	3,098	0.000768	33
55	901	44,087	43,186	0.068326	2,951	0.000673	29
56	901	44,087	43,186	0.065073	2,810	0.000589	25
57	901	44,087	43,186	0.061974	2,676	0.000516	22
58	901	44,087	43,186	0.059023	2,549	0.000452	20
Total	203,989	2,080,119	1,876,130		343,082		0

<IRR> 14.2%      Discount Factor 5% : NPV= 343,082 ,      B/C= 3.6  
 Discount Factor 10% : NPV= 64,304 ,      B/C= 1.7  
 Discount Factor 12% : NPV= 25,269 ,      B/C= 1.3

SUMMARY OF FINANCIAL CONSTRUCTION COST (PROPOSED IMPLEMENTATION SCHEDULE)

(UNIT: TL)

NO.	DESCRIPTION ITEM	1ST YEAR	2ND YEAR	3RD YEAR	4TH YEAR	5TH YEAR	6TH YEAR	7TH YEAR	8TH YEAR	TOTAL COST
1	CIVIL WORKS									
A	DIRECT COST									
(1)	DAM WORK	599,690,000	4,655,930,000	4,076,830,000	4,076,830,000	4,690,160,000	4,727,170,000	4,690,160,000	4,727,170,000	23,440,000,000
(2)	INTAKE WORK	990,412,821	990,412,821	990,412,821	990,412,821	0	0	0	0	2,971,238,463
(3)	DIVERSION WORK	0	62,199,332	0	62,199,332	0	97,637,951	0	0	159,837,283
(4)	PUMPING WORK	0	0	0	0	0	0	205,600,000	366,940,000	572,540,000
(5)	MAIN CANAL WORK	7,618,725,980	7,618,725,980	7,618,725,980	7,618,725,980	7,618,725,980	7,618,725,980	7,618,725,980	7,618,725,980	45,712,395,878
(6)	SECONDARY CANAL WORK	676,368,216	1,626,277,746	1,367,245,752	1,367,245,752	2,424,119,800	1,985,630,912	973,799,810	1,985,630,912	9,053,442,236
(7)	TERTIARY CANAL WORK	2,254,223,900	4,926,675,178	3,351,457,620	4,926,675,178	5,795,794,620	3,253,684,140	4,334,624,280	3,253,684,140	23,916,457,739
(8)	DRAINAGE WORK	0	0	0	0	0	0	1,932,320,060	618,009,740	2,550,329,800
(9)	LAND IMPROVEMENT WORK	0	0	0	0	0	0	0	622,110,750	622,110,750
	SUB TOTAL (1) TO (9)	12,139,418,917	19,880,221,058	17,404,732,173	20,626,438,351	19,755,230,130	19,718,514,650	22,070,552,248	19,718,514,650	108,997,912,149
0	INDIRECT COST(Ax15%)	1,820,912,838	2,982,033,159	2,610,709,826	3,093,965,753	2,963,284,520	2,878,780,728	2,963,284,520	2,878,780,728	16,349,686,872
	SUB TOTAL (A+B)	13,960,331,755	22,862,254,217	20,015,441,999	23,720,404,104	22,718,514,650	22,070,552,248	22,070,552,248	22,070,552,248	125,347,600,971
2	LAND ACQUISITION	1,072,084,104	3,135,075,537	2,698,859,007	3,330,534,333	3,034,100,690	4,259,005,307	4,259,005,307	4,259,005,307	17,529,658,978
3	O/H FACILITIES	0	0	0	0	0	0	0	0	0
4	ADMINISTRATION AND ENGINEERING FEE	3,133,689,900	3,133,689,900	1,396,033,175	2,286,225,422	2,001,544,200	2,372,040,410	2,271,851,465	2,207,065,225	18,802,139,697
	SUB TOTAL (1 TO 4)	3,133,689,900	3,133,689,900	16,428,449,034	28,283,555,175	24,715,845,206	29,422,978,847	28,165,914,804	29,512,010,780	162,796,133,646
S	CONTINGENCY	470,053,485	470,053,485	2,464,267,355	4,242,533,276	3,707,376,781	4,413,446,827	4,224,887,221	4,426,801,617	24,419,420,047
	TOTAL ESTIMATED COST	3,603,743,385	3,603,743,385	18,892,716,389	32,526,088,452	28,423,221,987	33,836,425,674	32,390,802,025	33,938,812,397	187,215,553,693

SUMMARY OF FINANCIAL CONSTRUCTION COSTS (ALTERNATIVE 1)

(UNIT: TL)

NO.	DESCRIPTION ITEM	TOTAL COST	1ST YEAR	2ND YEAR	3RD YEAR	4TH YEAR	5TH YEAR	6TH YEAR	7TH YEAR
1	CIVIL WORKS								
	A. DIRECT COST								
(1)	DAM WORK	23,440,000,000	1,067,060,000	5,329,790,000	5,831,390,000	5,587,380,000	5,624,380,000	0	0
(2)	INTAKE WORK	2,971,238,463	0	0	990,412,821	990,412,821	990,412,821	0	0
(3)	DIVERSION WORK	159,837,283	0	0	0	0	62,199,332	97,637,951	0
(4)	PUMPING WORK	572,140,000	0	0	0	0	0	0	572,140,000
(5)	MAIN CANAL WORK	45,712,355,878	0	0	0	0	30,215,178,411	13,897,648,312	1,599,529,155
(6)	SECONDARY CANAL WORK	9,053,442,236	0	0	0	0	2,302,645,962	3,791,365,552	2,959,430,722
(7)	TERTIARY CANAL WORK	23,916,457,739	0	0	0	0	7,180,897,079	9,147,252,240	7,588,308,420
(8)	DRAINAGE WORK	2,550,329,800	0	0	0	0	0	0	2,550,329,800
(9)	LAND IMPROVEMENT WORK	622,110,750	0	0	0	0	0	0	622,110,750
	SUB TOTAL (1) TO (9)	108,927,912,149	1,067,060,000	5,329,790,000	6,821,802,821	6,577,792,821	46,375,713,605	36,933,904,055	15,891,848,847
	B. INDIRECT COST (A x 15%)	16,349,686,822	160,059,000	799,468,500	1,023,270,423	986,668,923	6,956,357,041	4,940,085,608	2,383,777,327
	SUB TOTAL (A+B)	125,347,598,971	1,227,119,000	6,129,258,500	7,845,073,244	7,564,461,744	53,332,070,646	30,973,989,663	18,275,626,174
2	LAND ACQUISITION	17,529,658,975	516,715,707	2,346,114,246	2,565,912,994	2,459,502,498	4,067,192,623	2,389,119,557	2,384,101,360
3	O/M FACILITIES	1,116,736,000	0	0	0	141,448,000	975,288,000	0	0
4	ADMINISTRATION AND ENGINEERING FEE	12,534,759,897	122,711,900	612,925,850	784,507,324	756,446,174	5,333,207,065	3,097,398,966	1,827,562,617
	SUB TOTAL (1 TO 4)	156,528,753,843	1,866,546,607	9,088,290,596	11,195,493,553	10,921,858,417	64,507,758,333	36,460,508,187	22,487,290,151
5	CONTINGENCY	23,479,313,077	279,891,991	1,363,244,789	1,679,474,033	1,638,278,762	9,676,163,750	5,469,076,228	3,373,093,523
	TOTAL ESTIMATED COST	100,008,066,920	2,146,520,598	10,451,543,385	12,875,967,585	12,560,137,179	74,163,922,003	41,929,584,415	25,860,383,674

SUMMARY OF FINANCIAL CONSTRUCTION COST (ALTERNATIVE 2)

(UNIT: TL)

NO.	DESCRIPTION	TOTAL COST	YEAR					
			1ST YEAR	2ND YEAR	3RD YEAR	4TH YEAR	5TH YEAR	
1	CIVIL WORKS							
A	DIRECT COST							
(1)	DAM WORK	23,440,000,000	1,067,060,000	5,329,790,000	5,831,390,000	5,587,380,000	5,624,380,000	0
(2)	INTAKE WORK	2,971,238,463	0	990,412,821	990,412,821	990,412,821	990,412,821	0
(3)	DIVERSION WORK	159,837,283	0	0	0	62,199,332	97,637,951	0
(4)	PUMPING WORK	0	0	0	0	0	0	0
(5)	MAIN CANAL WORK	45,712,355,878	0	0	0	30,215,178,411	15,497,177,467	0
(6)	SECONDARY CANAL WORK	7,022,793,124	0	0	0	2,302,645,962	4,720,147,162	0
(7)	TERTIARY CANAL WORK	19,424,309,519	0	0	0	7,180,897,079	12,243,412,440	0
(8)	DRAINAGE WORK	2,550,329,800	0	0	0	0	2,550,329,800	0
(9)	LAND IMPROVEMENT WORK	622,110,750	0	0	0	0	622,110,750	0
	SUB TOTAL (1) TO (9)	101,902,974,817	1,067,060,000	6,320,202,821	6,821,802,821	46,338,713,605	41,355,195,570	0
B	INDIRECT COST(Ax15%)	15,285,446,223	160,059,000	948,030,423	1,023,270,423	6,950,807,041	6,203,279,336	0
	SUB TOTAL (A+B)	117,188,421,040	1,227,119,000	7,268,233,244	7,845,073,244	53,289,520,646	47,558,474,906	0
2	LAND ACQUISITION	15,567,027,154	516,715,707	2,346,114,246	2,566,912,984	4,881,626,421	5,255,657,796	0
3	O/M FACILITIES	1,116,736,000	0	0	0	141,448,000	975,288,000	0
4	ADMINISTRATION AND ENGINEERING FEE	11,718,842,104	122,711,900	726,823,324	784,507,324	5,328,952,065	4,755,847,491	0
	SUB TOTAL (1 TO 4)	145,591,026,298	1,856,546,607	10,341,170,815	11,196,493,553	63,641,547,121	58,545,268,192	0
5	CONTINGENCY	21,838,653,945	279,981,991	1,551,175,622	1,679,474,033	9,546,232,070	8,781,790,229	0
	TOTAL ESTIMATED COST	167,429,680,242	2,146,528,598	11,892,346,437	12,875,967,585	73,187,779,201	67,327,058,421	0

\*\*\*\*\* Under scheduled condition \*\*\*\*\*

Year	Economic Price (Unit: 1.000TL)									
	1	2	3	4	5	6	7	8	9	10 <
<b>1. Net Return (With Project)</b>										
Crop	23,115,703	30,838,322	38,712,057	38,794,057	38,876,057	40,720,058	44,506,058	45,641,858	47,156,258	48,670,658
Stock breeding	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539
Total (A)	39,041,242	46,763,861	54,637,596	54,719,596	54,801,596	56,645,597	60,431,597	61,567,397	63,081,797	64,596,197
<b>2. Net Return (Without Project)</b>										
Crop*	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054
Stock breeding**	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755
Crop**	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056
Total (B)	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865
3. Benefit (A-B)	18,532,377	26,254,996	34,128,731	34,210,731	34,292,731	36,136,732	39,922,732	41,058,532	42,572,932	44,087,332

\*\*\*\*\* Yield -20% \*\*\*\*\*

Year	Economic Price (Unit: 1.000TL)									
	1	2	3	4	5	6	7	8	9	10 <
<b>1. Net Return (With Project)</b>										
Crop	14,196,398	20,399,028	26,698,016	26,763,616	26,829,216	28,304,417	31,333,217	32,241,857	33,453,377	34,664,897
Stock breeding	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539
Total (A)	30,121,937	36,324,567	42,623,555	42,689,155	42,754,755	44,229,956	47,258,756	48,167,396	49,378,916	50,590,436
<b>2. Net Return (Without Project)</b>										
Crop*	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054
Stock breeding**	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755
Crop**	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056
Total (B)	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865
3. Benefit (A-B)	9,613,072	15,815,702	22,114,690	22,180,290	22,245,890	23,721,091	26,749,891	27,658,531	28,870,051	30,081,571

**Note**

Years after completion of construction of the project

\* : In the project area

\*\* : Assumed net return to be borne from crops in the agricultural land of 1,700ha which will be submerged due to construction of Adatepe dam.

Table VII - 3  
Sheet 2

Year	Expected Benefit ***** Production Cost +20% *****									
	1	2	3	4	5	6	7	8	9	10 <
1. Net Return (With Project)										
Crop	18,819,534	26,566,691	34,440,425	34,522,425	34,604,425	36,448,425	40,234,425	41,370,225	42,884,625	44,399,025
Stock breeding	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539
Total (A)	34,745,073	42,492,230	50,365,964	50,447,964	50,529,964	52,373,964	56,159,964	57,295,764	58,810,164	60,324,564
2. Net Return (Without Project)										
Crop*	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054
Stock breeding*	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755
Crop**	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056
Total (B)	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865
3. Benefit (A-B)	14,236,208	21,983,365	29,857,099	29,939,099	30,021,099	31,865,099	35,651,099	36,786,899	38,301,299	39,815,699

Year	Expected Benefit ***** Yield -20% and Production Cost +20% *****									
	1	2	3	4	5	6	7	8	9	10 <
1. Net Return (With Project)										
Crop	9,900,227	16,127,395	22,426,384	22,491,984	22,557,584	24,032,784	27,061,584	27,970,224	29,181,744	30,393,264
Stock breeding	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539
Total (A)	25,825,766	32,052,934	38,351,923	38,417,523	38,483,123	39,958,323	42,987,123	43,895,763	45,107,283	46,318,803
2. Net Return (Without Project)										
Crop*	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054
Stock breeding*	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755
Crop**	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056
Total (B)	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865
3. Benefit (A-B)	5,316,901	11,544,069	17,843,058	17,908,658	17,974,258	19,449,458	22,478,258	23,386,898	24,598,418	25,809,938

Note

Years after completion of construction of the project

\* : In the project area

\*\* : Assumed net return to be borne from crops in the agricultural land of 1,700ha which will be submerged due to construction of Adatepe dam.



Year	Expected Benefit ***** Under scheduled condition *****									
	1	2	3	4	5	6	7	8	9	10 <
1. Net Return (With Project)										
Crop	16,281,208	23,707,282	31,501,547	31,583,547	31,665,547	33,509,547	37,295,547	38,431,347	39,945,747	41,460,148
Stock breeding	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539
Total (A)	32,206,747	39,632,821	47,427,086	47,509,086	47,591,086	49,435,086	53,221,086	54,356,886	55,871,286	57,385,687
2. Net Return (Without Project)										
Crop*	8,808,997	8,808,997	8,808,997	8,808,997	8,808,997	8,808,997	8,808,997	8,808,997	8,808,997	8,808,997
Stock breeding*	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755
Crop**	340,116	340,116	340,116	340,116	340,116	340,116	340,116	340,116	340,116	340,116
Total (B)	16,367,868	16,367,868	16,367,868	16,367,868	16,367,868	16,367,868	16,367,868	16,367,868	16,367,868	16,367,868
3. Benefit (A-B)	15,838,879	23,264,953	31,059,218	31,141,218	31,223,218	33,067,218	36,853,218	37,989,018	39,503,418	41,017,819

Note

Years after completion of construction of the project

\* : In the project area

\*\* : Assumed net return to be borne from crops in the agricultural land of 1,700ha which will be submerged due to construction of Adatepe dam.

Table VI-3  
Sheet 4

Year	Economic Price (Unit: 1,000TL)											
	1	2	3	4	5	6	7	8	9	10	11	12 <
1. Net Return (With Project)												
Crop Unit 1	7,119,293	9,464,876	11,874,947	11,906,447	11,937,947	12,541,696	13,647,696	13,979,496	14,421,896	14,864,297	14,864,297	14,864,297
Crop Unit 2	-	8,767,885	12,055,741	15,125,280	15,165,280	15,205,280	15,970,404	17,380,404	17,803,404	18,367,404	18,331,404	18,331,404
Crop Unit 3	-	-	6,928,524	9,317,707	11,711,832	11,722,332	11,732,832	12,207,957	13,477,957	13,858,957	14,366,957	14,874,956
Sub-Total	7,119,293	18,232,761	30,859,212	36,349,434	38,815,059	39,469,308	41,350,932	43,567,957	45,703,257	47,090,658	48,162,658	48,670,657
Stock breeding	4,226,939	9,611,330	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539	15,925,539
Total (A)	11,346,232	27,844,091	46,784,751	52,274,973	54,740,598	55,394,847	57,276,471	59,493,396	61,628,796	63,016,197	64,088,197	64,596,196
2. Net Return (Without Project)												
Crop*	3,977,337	9,044,817	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054	12,796,054
Stock breeding*	1,944,423	4,421,281	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755	7,218,755
Crop**	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056
Total (B)	6,415,816	13,960,154	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865	20,508,865
3. Benefit (A-B)	4,930,416	13,883,937	26,275,886	31,766,108	34,231,733	34,885,982	36,767,606	38,984,531	41,119,931	42,507,332	43,579,332	44,087,331
Note: Years after completion of construction of Unit 1												
Year	Economic Price (Unit: 1,000TL)											
	1	2	3	4	5	6	7	8	9	10	10 <	
1. Net Return (With Project)												
Crop	19,277,825	25,602,762	32,120,426	32,204,926	32,289,426	33,917,925	36,911,925	37,810,125	39,007,725	40,205,324		
Stock breeding	11,433,838	11,433,838	11,433,838	11,433,838	11,433,838	11,433,838	11,433,838	11,433,838	11,433,838	11,433,838		
Total (A)	30,711,663	37,036,600	43,554,264	43,638,764	43,723,264	45,351,763	48,345,763	49,243,963	50,441,563	51,639,162		
2. Net Return (Without Project)												
Crop*	10,761,220	10,761,220	10,761,220	10,761,220	10,761,220	10,761,220	10,761,220	10,761,220	10,761,220	10,761,220		
Stock breeding*	5,259,649	5,259,649	5,259,649	5,259,649	5,259,649	5,259,649	5,259,649	5,259,649	5,259,649	5,259,649		
Crop**	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056	494,056		
Total (B)	16,514,925	16,514,925	16,514,925	16,514,925	16,514,925	16,514,925	16,514,925	16,514,925	16,514,925	16,514,925		
3. Benefit (A-B)	14,196,738	20,521,675	27,039,339	27,123,839	27,208,339	28,836,838	31,830,838	32,729,038	33,926,638	35,124,237		
Note												
Years after completion of construction of the project												
* : In the project area												
** : Assumed net return to be borne from crops in the agricultural land of 1,700ha which will be submerged due to construction of Adatepe dam.												

Expected Benefit \*\*\*\*\* Alternative 3 \*\*\*\*\*

Year	Economic Price ( Unit: 1.000TL )												
	1	2	3	4	5	6	7	8	9	10	11	12	13 <
<b>1. Net Return (With Project)</b>													
Crop	17.405.884	25.701.181	33.463.856	36.133.713	38.978.065	39.709.434	41.288.059	42.850.459	45.033.259	46.566.859	47.825.059	48.555.459	48.670.659
Stock breeding	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539	15.925.539
Total (A)	33.331.423	41.626.720	49.389.395	52.059.252	54.903.604	55.634.973	57.213.598	58.775.998	60.958.798	62.492.398	63.750.598	64.480.998	64.596.198
<b>2. Net Return (Without Project)</b>													
Crop*	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054	12.796.054
Stock breeding*	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755	7.218.755
Crops**	494.056	494.056	494.056	494.056	494.056	494.056	494.056	494.056	494.056	494.056	494.056	494.056	494.056
Total (B)	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865	20.508.865
3. Benefit (A-B)	12.822.558	21.117.855	28.880.530	31.550.387	33.494.739	35.126.108	36.704.733	38.267.133	40.449.933	41.983.333	43.241.733	43.972.133	44.087.333

Note

Years after completion of construction of the project

\* : in the project area

\*\* : Assumed net return to be borne from crops in the agricultural land of 1.700ha which will be submerged due to construction of Adatepe dam.

Table VI- 4  
Sheet I

Cultivated Area—Without Project

( Unit: ha )

Kind of Crop	Gravity Area		Pumping Area		Whole Area	
	Gross	Net	Gross	Net	Gross	Net
Wheat (D)	13.042	11.738	3.557	3.201	16.599	14.939
Wheat (I)	1.657	1.491	413	372	2.070	1.863
Barley (D)	3.307	2.977	662	595	3.969	3.572
Barley (I)	323	291	0	0	323	291
Suger beet (I)	2.583	2.324	165	149	2.748	2.473
Chick-pea (D)	7.086	6.379	1,986	1,786	9,072	8,165
Lentil (D)	94	84	74	67	168	151
Cow vetch (I)	402	361	165	149	567	510
Dry bean (I)	2,274	2,047	248	223	2,522	2,270
Sunflower (I)	563	507	0	0	563	507
Potatoes (I)	220	197	66	60	286	257
Vegetables (I)	123	111	0	0	123	111
Fruit (I)	418	376	41	37	459	413
Vineyard (D)	506	455	165	149	671	604
Poplar (I)	425	382	66	60	491	442
Fallow	2,737	2,464	662	595	3,399	3,059
Total	35,760	32,184	8,270	7,443	44,030	39,627

Cultivated Area - With Project

( Unit: ha )

Kind of Crop	Gravity Area		Pumping Area		Whole Area	
	Gross	Net	Gross	Net	Gross	Net
Wheat	8.582	7.492	2.481	2.166	11.063	9.658
Barley	1.430	1.248	827	722	2.257	1.970
Suger beet	6.437	5.619	1,075	939	7,512	6,558
Dry bean	8.940	7.805	1,489	1,300	10,429	9,105
Sunflower	1.788	1.561	331	289	2,119	1,850
Potatoes	1.430	1.248	248	217	1,678	1,465
Vegetables (Tomato)	1.073	937	165	144	1,238	1,081
Alfalfa	2.146	1,873	827	722	2,973	2,595
Fruit (Apple)	2.146	1,873	496	433	2,642	2,306
Vineyard	715	624	165	144	880	768
Poplar	1,073	938	166	144	1,239	1,082
Total	35,760	31,218	8,270	7,220	44,030	38,438

Cultivated Net Area \*\*\* Alternative I \*\*\*

Kind of Crop	Unit 1			Unit 2			Unit 3			Whole		
	Gravity	Pumping	Total	Gravity	Pumping	Total	Gravity	Pumping	Total	Gravity	Pumping	Total
Wheat (0)	4,339	0	4,339	5,528	0	5,528	1,871	3,201	5,072	11,738	3,201	14,939
Wheat (1)	551	0	551	702	0	702	238	372	610	1,491	372	1,863
Barley (0)	1,100	0	1,100	1,402	0	1,402	475	595	1,070	2,977	595	3,572
Barley (1)	107	0	107	137	0	137	47	0	47	291	0	291
Suger beet	859	0	859	1,095	0	1,095	370	149	519	2,324	149	2,473
Chick-pea	2,358	0	2,358	3,003	0	3,003	1,018	1,786	2,804	6,379	1,786	8,165
Lentil	31	0	31	40	0	40	13	67	80	84	67	151
Cow vetch	134	0	134	170	0	170	57	149	206	361	149	510
Dry bean	757	0	757	964	0	964	326	223	549	2,047	223	2,270
Sunflower	187	0	187	239	0	239	81	0	81	507	0	507
Potatoes	73	0	73	93	0	93	31	60	91	197	60	257
Vegetables	41	0	41	52	0	52	18	0	18	111	0	111
Fruit	139	0	139	177	0	177	60	37	97	376	37	413
Vineyard	168	0	168	214	0	214	73	149	222	455	149	604
Poplar	141	0	141	180	0	180	61	60	121	382	60	442
Fallow	913	0	913	1,160	0	1,160	391	595	986	2,464	595	3,059
Total	11,898	0	11,898	15,156	0	15,156	5,130	7,443	12,573	32,184	7,443	39,627

Kind of Crop	Gravity Area			Pumping Area			Whole Area			
	C.P.	Unit 1	Unit 2	Unit 3	C.P.	Unit 1	Unit 2	Unit 3	Total	
Wheat	24%	2,770	3,529	1,193	0	2,166	2,770	3,529	3,359	9,658
Barley	4	461	588	199	0	722	461	588	921	1,970
Suger beet	18	2,077	2,646	896	0	939	2,077	2,646	1,835	6,558
Dry bean	25	2,886	3,675	1,244	0	1,300	2,886	3,675	2,544	9,105
Sunflower	5	577	735	249	0	289	577	735	538	1,850
Potatoes	4	461	588	199	0	217	461	588	416	1,465
Vegetables	3	347	441	149	0	144	347	441	293	1,081
Alfalfa	6	692	882	299	0	722	692	882	1,021	2,525
Fruit	6	692	882	299	0	433	692	882	732	2,306
Vineyard	2	231	294	99	0	144	231	294	243	768
Poplar	3	347	441	150	0	144	347	441	294	1,082
Total	100	11,541	14,701	4,976	0	7,220	11,541	14,701	12,196	38,438

(Note) C.P.: Cropping Pattern

Table VI- 4  
Sheet 3

Series of Cultivated Net Area \*\*\* Alternative 3 \*\*\*

Unit: ha

Kind of Crop	1st Year		2nd Year		3rd Year		Total
	Gravity	Pumping	Gravity	Pumping	Gravity	Pumping	
Wheat	( 55) 17,170	( 57) 4,115	( 45) 14,048	( 49) 3,538	( 33) 10,302	( 39) 2,816	13,118
Barley	( 15) 4,683	( 20) 1,444	( 10) 3,122	( 15) 1,083	( 7) 2,185	( 12) 867	3,052
Suger beet	( 8) 2,498	( 5) 361	( 11) 3,434	( 8) 577	( 15) 4,683	( 10) 722	5,405
Dry bean	( 10) 3,122	( 8) 577	( 15) 4,683	( 11) 794	( 20) 6,243	( 15) 1,983	7,326
Sunflower	( 2) 625	( 1) 72	( 3) 937	( 2) 144	( 4) 1,249	( 3) 216	1,465
Potatoes	( 1) 312	( 1) 72	( 2) 624	( 2) 145	( 3) 936	( 3) 217	1,153
Vegetables	( 1) 312	( 1) 72	( 2) 624	( 2) 145	( 3) 937	( 2) 144	1,081
Alfalfa	( 2) 624	( 3) 217	( 3) 936	( 5) 361	( 4) 1,249	( 8) 577	1,826
Fruit	( 2) 624	( 1) 73	( 4) 1,249	( 2) 144	( 6) 1,873	( 4) 289	2,162
Vineyard	( 2) 624	( 2) 144	( 2) 624	( 2) 144	( 2) 624	( 2) 144	768
Poplar	( 2) 624	( 1) 73	( 3) 937	( 2) 145	( 3) 937	( 2) 145	1,082
Total	(100) 31,218	(100) 7,220	(100) 31,218	(100) 7,220	(100) 31,218	(100) 7,220	38,438

Note ( ): Cropping Pattern (%)

Production Cost per Hectare - Without Project  
( Economic Price )

Kind of Crop	Seed	Ferti.	Agrochem.	Family		Machi.	Transp.	Others	Total
				Farm Labour	Hired				
Wheat (D)	26,400	30,874	874	9,000	14,500	91,000	4,775	0	177,423
Wheat (I)	35,200	30,874	4,350	18,000	18,000	105,000	10,025	0	221,449
Barley (D)	24,000	26,574	1,165	9,750	15,750	91,250	5,500	0	173,989
Barley (I)	24,000	26,574	3,554	18,000	18,000	105,000	18,190	0	213,318
Suger beet (I)	117,500	164,260	63,468	146,750	148,250	106,000	96,900	0	843,228
Chick-pea (D)	44,000	14,835	0	32,750	37,000	73,500	3,375	0	205,460
Lentil (D)	24,000	14,835	0	36,250	41,000	70,000	3,355	0	189,440
Cow vetch (I)	30,000	0	0	33,750	39,000	49,500	575	0	152,825
Dry bean (I)	70,400	45,666	2,236	90,250	73,250	85,000	5,425	0	372,227
Sunflower (I)	9,500	45,666	0	81,250	58,500	84,500	5,110	12,600	297,226
Potatoes (I)	400,000	388,290	0	178,750	99,750	139,000	76,225	116,725	1,398,740
Vegetables (I)	11,200	107,586	10,320	192,000	87,500	78,000	41,300	28,000	555,906
Fruit (I)	0	114,208	9,460	122,500	147,000	85,000	2,825	0	480,993
Grape (D)	0	51,600	3,302	85,500	111,500	42,000	20,750	65,625	380,277
Poplar (I)	0	24,080	3,440	98,500	54,250	12,500	0	0	192,770

Conversion Factor(CF): Seed = 0.8 Agrochemical= 0.86 Other Items = 1.0

Fertilizer= 0.86 Farm Labour = 0.5

Unit: TL

Table VI-5  
Sheet 2

Production Cost per Hectare - With Project  
( Economic Price )

Unit: TL

Kind of Crop	Seed	Ferti.	Agrochem.	Farm Labour		Machi.	Transp.	Others	Total
				Family	Hired				
Wheat	35,200	26,832	2,264	21,750	23,250	118,000	11,625	0	238,921
Barley	24,000	29,541	2,372	21,500	24,500	118,000	13,300	0	233,213
Suger beet	117,600	164,260	63,468	171,250	179,750	106,000	151,900	0	954,228
Dry bean	105,600	45,666	143,792	100,000	83,750	99,500	8,350	0	586,658
Sunflower	24,000	32,766	2,236	90,250	80,250	100,000	11,155	28,000	368,657
Potatoes	400,000	407,984	71,036	195,750	110,250	168,000	90,075	145,775	1,588,870
Vegetables	200,000	157,208	1,720	220,000	132,250	93,500	86,475	368,075	1,259,228
Alfalfa	600	114,208	0	95,750	59,750	135,500	7,000	0	412,808
Fruit	0	84,194	18,659	121,500	52,000	116,500	3,850	0	396,703
Grape	0	30,960	20,502	107,500	155,750	29,400	41,325	131,250	516,687
Poplar	0	38,786	5,504	100,500	57,750	17,500	0	0	220,040
Fruit (new)	104,000	84,194	18,659	121,500	52,000	116,500	3,850	0	500,703
Grape (new)	80,000	30,960	20,502	107,500	155,750	29,400	41,325	0	465,437
Poplar (new)	40,000	0	0	7,750	3,500	66,000	0	0	117,250



Production Cost per Hectare - Without Project  
( Financial Price )

Kind of Crop	Seed	Ferti.	Agrochem.	Farm Labour		Machi.	Transp.	Others	Total
				Family	Hired				
				Unit: TL					
Wheat (D)	33,000	35,900	1,016	18,000	29,000	91,000	4,775	0	212,691
Wheat (I)	44,000	35,900	5,058	36,000	36,000	105,000	10,025	0	271,983
Barley (D)	30,000	30,900	1,355	19,500	31,500	91,250	5,500	0	210,005
Barley (I)	30,000	30,900	4,132	36,000	36,000	105,000	18,190	0	260,222
Suger beet (I)	147,000	191,000	73,800	293,500	296,500	106,000	96,900	0	1,204,700
Chick-pea (D)	55,000	17,250	0	65,500	74,000	73,500	3,375	0	288,625
Lentil (D)	30,000	17,250	0	72,500	82,000	70,000	3,355	0	275,105
Cow vetch (I)	37,500	0	0	67,500	78,000	49,500	575	0	233,075
Dry bean (I)	88,000	53,100	2,600	180,500	146,500	85,000	5,425	0	561,125
Sunflower (I)	12,000	53,100	0	162,500	117,000	84,500	5,110	12,600	446,810
Potatoes (I)	500,000	451,500	0	357,500	199,500	139,000	76,225	116,725	1,840,450
Vegetables (I)	14,000	125,100	12,000	384,000	175,000	78,000	41,300	28,000	857,400
Fruit (I)	0	132,800	11,000	245,000	294,000	85,000	2,825	0	770,625
Grape (D)	0	60,000	3,840	171,000	223,000	42,000	20,750	65,625	586,215
Poplar (I)	0	28,000	4,000	197,000	108,500	12,500	0	0	350,000

Table VI - 5  
Sheet 4

Kind of Crop	Production Cost per Hectare - With Project ( Financial Price )										Unit: TL
	Seed	Perti.	Agrochem.	Family		Machi.	Trasp.	Others	Total		
				Farm Labour	Hired						
Wheat	44,000	31,200	2,633	43,500	46,500	118,000	11,625	0	297,458		
Barley	30,000	34,350	2,758	43,000	49,000	118,000	13,300	0	290,408		
Suger beet	147,000	191,000	73,800	342,500	359,500	106,000	151,900	0	1,371,700		
Dry bean	132,000	53,100	167,200	200,000	167,500	99,500	8,350	0	827,650		
Sunflower	30,000	38,100	2,600	180,500	160,500	100,000	11,155	28,000	550,855		
Potatoes	500,000	474,400	82,600	391,500	220,500	168,000	90,075	145,775	2,072,850		
Vegetables	250,000	182,800	2,000	440,000	264,500	93,500	86,475	368,075	1,687,350		
Alfalfa	750	132,800	0	191,500	119,500	135,500	7,000	0	587,050		
Fruit	0	97,900	21,696	243,000	104,000	116,500	3,850	0	586,946		
Grape	0	36,000	23,840	215,000	311,500	29,400	41,325	131,250	788,315		
Poplar	0	45,100	6,400	201,000	115,500	17,500	0	0	385,500		
Fruit (new)	130,000	97,900	21,696	243,000	104,000	116,500	3,850	0	716,946		
Grape (new)	100,000	36,000	23,840	215,000	311,500	29,400	41,325	0	757,065		
Poplar (new)	50,000	0	0	15,500	7,000	66,000	0	0	138,500		

Table VI- 6

## Economic Farmgate Price of Wheat

		(US \$/ton)
1.	World Market Price (f.o.b U.S.Gulf,1988)	146
	Plus transport,handling,and insurance costs between U.S. Gulf and Turkish port	+19
2.	Import Price (c.i.f. Turkish port)	165
	Plus transport and handling costs,port to market center	+29
3.	Market Center Price	194
	Less transport and handling costs,between farm and market	-21
4.	Farmgate Price	173
	(TL/kg)	( 211 )

Note: This table has been prepared based upon the report on Drainage and On-farm Development Project (Report No.5869-TU) prepared by the World Bank in 1986.  
: US\$ 1.0= TL 1,220.70 (1988)

## Economic Opportunity Cost Conversion Factor of Farming Labour

1.	Farming labour in the project area	20,300 persons
2.	Required farming labour with the project	9,500 persons
	Annual : 3,460,883 man.day	
	3,460,883 man.day /365 days = 9,500 persons	
3.	Surplus farming labour	10,800 persons
4.	Surplus rate	50 %
	(10,800 / 20,300 = 50 %)	
5.	Economic opportunity cost conversion factor	CF= 0.5

Table VI- 7  
Sheet 1

Net Return (Economic Price) - Without Project -  
\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop		Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/Ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
							(TL/ha)	(1,000TL)
Wheat	(D)	14,939	1.4	211,000	295,400	177,423	117,977	1,762,458
Wheat	(I)	1,863	3.0	211,000	633,000	221,449	411,551	766,720
Barley	(D)	3,572	1.6	133,000	212,800	173,989	38,811	138,633
Barley	(I)	291	3.0	133,000	399,000	213,318	185,682	54,033
Suger beet	(I)	2,473	35.0	42,000	1,470,000	843,228	626,772	1,550,007
Chick-pea	(D)	8,165	1.0	450,000	450,000	205,460	244,540	1,996,669
Lentil	(D)	151	1.0	357,000	357,000	189,440	185,560	28,020
Cow vetch	(I)	510	1.0	250,000	250,000	152,825	97,175	49,559
Dry bean	(I)	2,270	1.9	609,000	1,157,100	372,227	784,873	1,781,662
Sunflower	(I)	507	1.8	400,000	720,000	297,226	422,774	214,346
Potatoes	(I)	257	20.0	100,000	2,000,000	1,398,740	601,260	154,524
Vegetables	(I)	111	13.5	130,000	1,755,000	555,906	1,199,094	133,099
Fruit	(I)	413	12.0	200,000	2,400,000	480,993	1,919,007	792,550
Vineyard	(D)	604	7.5	200,000	1,500,000	380,277	1,119,723	676,313
Poplar	(I)	442	18.0	75,000	1,350,000	192,770	1,157,230	511,496
Wheat Straw	(D)	(14,939)	1.4	50,000	70,000	0	70,000	1,045,730
Wheat Straw	(I)	(1,863)	3.0	50,000	150,000	0	150,000	279,450
Barley Straw	(D)	(3,572)	1.6	50,000	80,000	0	80,000	285,760
Barley Straw	(I)	(291)	3.0	50,000	150,000	0	150,000	43,650
Chick-pea Stalk	(D)	(8,165)	1.0	25,000	25,000	0	25,000	204,125
Lentil Stalk	(D)	(151)	1.0	25,000	25,000	0	25,000	3,775
Dry bean Stalk	(I)	(2,270)	1.9	75,000	142,500	0	142,500	323,475
<b>Total</b>		<b>39,627</b>						<b>12,796,054</b>

Note: Production of Poplar is shown in cubic meter per hectare.

Table VI- 7  
Sheet 2

Net Return (Economic Price) - With Project (1st Year) -  
\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.1	211,000	443,100	238,921	204,179	1,971,961
Barley	1,970	2.4	133,000	319,200	233,213	85,987	169,394
Suger beet	6,558	41.0	42,000	1,722,000	954,228	767,772	5,035,049
Dry bean	9,105	2.1	609,000	1,278,900	586,658	692,242	6,302,863
Sunflower	1,850	2.5	400,000	1,000,000	368,657	631,343	1,167,985
Potatoes	1,465	21.7	100,000	2,170,000	1,588,870	581,130	851,355
Vegetables	1,081	17.3	160,000	2,768,000	1,259,228	1,508,772	1,630,983
Alfalfa	2,595	12.0	90,000	1,080,000	412,808	667,192	1,731,363
Fruit (Existing)	413	15.0	200,000	3,000,000	396,703	2,603,297	1,075,162
Fruit (new)	1,893	-	-	-	500,703	- 500,703	- 947,831
Grape (Existing)	604	10.0	200,000	2,000,000	516,687	1,483,313	895,921
Grape (new)	164	-	-	-	465,437	- 465,437	- 76,332
Poplar (Existing)	442	24.0	75,000	1,800,000	220,040	1,579,960	698,342
Poplar (new)	640	-	-	-	117,250	- 117,250	- 75,040
Wheat Straw	( 9,658)	2.1	50,000	105,000	0	105,000	1,014,090
Barley Straw	( 1,970)	2.4	50,000	120,000	0	120,000	236,400
Dry bean Stalk	( 9,105)	2.1	75,000	157,500	0	157,500	1,434,038
	38,438						23,115,703

Net Return (Economic Price) - With Project (2nd Year) -  
\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.8	211,000	590,800	238,921	351,879	3,398,447
Barley	1,970	3.2	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	48.0	42,000	2,016,000	954,228	1,061,772	6,963,101
Dry bean	9,105	2.3	609,000	1,400,700	586,658	814,042	7,411,852
Sunflower	1,850	3.2	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	23.4	100,000	2,340,000	1,588,870	751,130	1,100,405
Vegetables	1,081	21.1	160,000	3,376,000	1,259,228	2,116,772	2,288,231
Alfalfa	2,595	13.0	90,000	1,170,000	412,808	757,192	1,964,913
Fruit (Existing)	413	18.0	200,000	3,600,000	396,703	3,203,297	1,322,962
Fruit (new)	1,893	-	-	-	396,703	- 396,703	- 750,959
Grape (Existing)	604	12.5	200,000	2,500,000	516,687	1,983,313	1,197,921
Grape (new)	164	-	-	-	516,687	- 516,687	- 84,737
Poplar (Existing)	442	29.0	75,000	2,175,000	220,040	1,954,960	864,092
Poplar (new)	640	-	-	-	220,040	- 220,040	- 140,826
Wheat Straw	( 9,658)	2.8	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.2	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.3	75,000	172,500	0	172,500	1,570,613
Total	38,438						30,838,322

Table VI- 7  
Sheet 3

Net Return (Economic Price) - With Project (3rd Year)  
\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (new)	1,893	-	200,000	-	396,703	396,703	- 750,959
Grape (Existing)	604	15.0	200,000	3,000,000	516,687	2,483,313	1,499,921
Grape (new)	164	5.0	200,000	1,000,000	516,687	483,313	79,263
Poplar (Existing)	442	35.0	75,000	2,625,000	220,040	2,404,960	1,062,992
Poplar (new)	640	-	75,000	-	220,040	220,040	- 140,826
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>38,712,057</b>

Net Return (Economic Price) - With Project (4th Year)  
\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (new)	1,893	-	200,000	-	396,703	396,703	- 750,959
Grape (Existing)	604	15.0	200,000	3,000,000	516,687	2,483,313	1,499,921
Grape (new)	164	7.5	200,000	1,500,000	516,687	983,313	161,263
Poplar (Existing)	442	35.0	75,000	2,625,000	220,040	2,404,960	1,062,992
Poplar (new)	640	-	75,000	-	220,040	220,040	- 140,826
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>38,794,057</b>

Net Return (Economic Price) - With Project (5th Year)

\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (new)	1,893	-	200,000	-	396,703	-396,703	-750,959
Grape (Existing)	604	15.0	200,000	3,000,000	516,687	2,483,313	1,499,921
Grape (new)	164	10.0	200,000	2,000,000	516,687	1,483,313	243,263
Poplar (Existing)	442	35.0	75,000	2,625,000	220,040	2,404,960	1,062,992
Poplar (new)	640	-	75,000	-	220,040	-220,040	-140,826
Wheat Straw	(9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	(1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	(9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>38,876,057</b>

Net Return (Economic Price) - With Project (6th Year)

\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (new)	1,893	-	200,000	-	396,703	-396,703	-750,959
Grape	768	15.0	200,000	3,000,000	516,687	2,483,313	1,907,184
Poplar	1,082	35.0	75,000	2,625,000	220,040	2,404,960	2,602,167
Wheat Straw	(9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	(1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	(9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>40,720,058</b>

Table VI- 7  
Sheet 5

Net Return (Economic Price) - With Project (7th Year)

\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (new)	1,893	10.0	200,000	2,000,000	396,703	1,603,297	3,035,041
Grape	768	15.0	200,000	3,000,000	516,687	2,483,313	1,907,184
Poplar	1,082	35.0	75,000	2,625,000	220,040	2,404,960	2,602,167
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						44,506,058

Net Return (Economic Price) - With Project (8th Year)

\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (new)	1,893	13.0	200,000	2,600,000	396,703	2,203,297	4,170,841
Grape	768	15.0	200,000	3,000,000	516,687	2,483,313	1,907,184
Poplar	1,082	35.0	75,000	2,625,000	220,040	2,404,960	2,602,167
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						45,641,858



Table VII-7  
Sheet 6

Net Return (Economic Price) - With Project (9th Year)

\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Existing)	413	21.0	200,000	4,200,000	396,703	3,803,297	1,570,762
Fruit (New)	1,893	17.0	200,000	3,400,000	396,703	3,003,297	5,685,241
Grape	768	15.0	200,000	3,000,000	516,687	2,483,313	1,907,184
Poplar	1,082	35.0	75,000	2,625,000	220,040	2,404,960	2,602,167
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						47,156,258

Net Return (Economic Price) - With Project (10th year~) -

\*\*\*\* Under scheduled condition \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	238,921	499,579	4,824,934
Barley	1,970	4.0	133,000	532,000	233,213	298,787	588,610
Suger beet	6,558	55.0	42,000	2,310,000	954,228	1,355,772	8,891,153
Dry bean	9,105	2.5	609,000	1,522,500	586,658	935,842	8,520,841
Sunflower	1,850	4.0	400,000	1,600,000	368,657	1,231,343	2,277,985
Potatoes	1,465	25.0	100,000	2,500,000	1,588,870	911,130	1,334,805
Vegetables (Tomato)	1,081	25.0	160,000	4,000,000	1,259,228	2,740,772	2,962,775
Alfalfa	2,595	14.0	90,000	1,260,000	412,808	847,192	2,198,463
Fruit (Apple)	2,306	21.0	200,000	4,200,000	396,703	3,803,297	8,770,403
Vineyard	768	15.0	200,000	3,000,000	516,687	2,483,313	1,907,184
Poplar	1,082	35.0	75,000	2,625,000	220,040	2,404,960	2,602,167
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						48,670,658

Table VI- 8  
Sheet 1

Net Return (Economic Price) - With Project (1st Year) -  
\*\*\*\* Yield - 20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	1.68	211,000	354,480	238,921	115,559	1,116,069
Barley	1,970	1.92	133,000	255,360	233,213	22,147	43,630
Suger beet	6,558	32.80	42,000	1,377,600	954,228	423,372	2,776,474
Dry bean	9,105	1.68	609,000	1,023,120	586,658	436,462	3,973,987
Sunflower	1,850	2.00	400,000	800,000	368,657	431,343	797,985
Potatoes	1,465	17.36	100,000	1,736,000	1,588,870	147,130	215,545
Vegetables	1,081	13.84	160,000	2,214,400	1,259,228	955,172	1,032,541
Alfalfa	2,595	9.60	90,000	864,000	412,808	451,192	1,170,843
Fruit (Existing)	413	12.00	200,000	2,400,000	396,703	2,003,297	827,362
Fruit (new)	1,893	-	-	-	500,703	- 500,703	- 947,831
Grape (Existing)	604	8.00	200,000	1,600,000	516,687	1,083,313	654,321
Grape (new)	164	-	-	-	465,437	- 465,437	- 76,332
Poplar (Existing)	442	19.20	75,000	1,440,000	220,040	1,219,960	539,222
Poplar (new)	640	-	-	-	117,250	- 117,250	- 75,040
Wheat Straw	( 9,658)	1.68	50,000	84,000	0	84,000	811,272
Barley Straw	( 1,970)	1.92	50,000	96,000	0	96,000	189,120
Dry bean Stalk	( 9,105)	1.68	75,000	126,000	0	126,000	1,147,230
	38,438						14,196,398

Net Return (Economic Price) - With Project (2nd Year) -  
\*\*\*\* Yield - 20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.24	211,000	472,640	238,921	233,719	2,257,258
Barley	1,970	2.56	133,000	340,480	233,213	107,267	211,316
Suger beet	6,558	38.40	42,000	1,612,800	954,228	658,572	4,318,915
Dry bean	9,105	1.84	609,000	1,120,560	586,658	533,902	4,861,178
Sunflower	1,850	2.56	400,000	1,024,000	368,657	655,343	1,212,385
Potatoes	1,465	18.72	100,000	1,872,000	1,588,870	283,130	414,785
Vegetables	1,081	16.96	160,000	2,700,800	1,259,228	1,441,572	1,558,339
Alfalfa	2,595	10.40	90,000	936,000	412,808	523,192	1,357,683
Fruit (Existing)	413	14.40	200,000	2,880,000	396,703	2,483,297	1,025,602
Fruit (new)	1,893	-	-	-	396,703	- 396,703	- 750,959
Grape (Existing)	604	10.00	200,000	2,000,000	516,687	1,483,313	895,921
Grape (new)	164	-	-	-	516,687	- 516,687	- 84,737
Poplar (Existing)	442	23.20	75,000	1,740,000	220,040	1,519,960	671,822
Poplar (new)	640	-	-	-	220,040	- 220,040	- 140,826
Wheat Straw	( 9,658)	2.24	50,000	112,000	0	112,000	1,081,696
Barley Straw	( 1,970)	2.56	50,000	128,000	0	128,000	252,160
Dry bean Stalk	( 9,105)	1.84	75,000	138,000	0	138,000	1,256,490
Total	38,438						20,399,028

Table VI- 8  
Sheet 2

Net Return (Economic Price) - With Project (3rd Year)  
\*\*\*\* Yield - 20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (new)	1,893	-	200,000	-	396,703	- 396,703	- 750,959
Grape (Existing)	604	12.00	200,000	2,400,000	516,687	1,883,313	1,137,521
Grape (new)	164	4.00	200,000	800,000	516,687	283,313	46,463
Poplar (Existing)	442	28.00	75,000	2,100,000	220,040	1,879,960	830,942
Poplar (new)	640	-	75,000	-	220,040	- 220,040	- 140,826
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						26,698,016

Net Return (Economic Price) - With Project (4th Year)  
\*\*\*\* Yield - 20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (new)	1,893	-	200,000	-	396,703	- 396,703	- 750,959
Grape (Existing)	604	12.00	200,000	2,400,000	516,687	1,883,313	1,137,521
Grape (new)	164	6.00	200,000	1,200,000	516,687	683,313	112,063
Poplar (Existing)	442	28.00	75,000	2,100,000	220,040	1,879,960	830,942
Poplar (new)	640	-	75,000	-	220,040	- 220,040	- 140,826
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						26,763,616

Table VII- 8  
Sheet 3

Net Return (Economic Price) - With Project (5th Year)  
\*\*\* Yield - 20% \*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (new)	1,893	-	200,000	-	396,703	- 396,703	- 750,959
Grape (Existing)	604	12.00	200,000	2,400,000	516,687	1,883,313	1,137,521
Grape (new)	164	8.00	200,000	1,600,000	516,687	1,083,313	177,663
Poplar (Existing)	442	28.00	75,000	2,100,000	220,040	1,879,960	830,942
Poplar (new)	640	-	75,000	-	220,040	- 220,040	- 140,826
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						26,829,216

Net Return (Economic Price) - With Project (6th Year)  
\*\*\* Yield - 20% \*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (new)	1,893	-	200,000	-	396,703	- 396,703	- 750,959
Grape	768	12.00	200,000	2,400,000	516,687	1,883,313	1,446,384
Poplar	1,082	28.00	75,000	2,100,000	220,040	1,879,960	2,034,117
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						28,304,417

Table VII- 8  
Sheet 4

Net Return (Economic Price) - With Project (7th Year)  
\*\*\* Yield - 20% \*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (new)	1,893	8.00	200,000	1,600,000	396,703	1,203,297	2,277,841
Grape	768	12.00	200,000	2,400,000	516,687	1,883,313	1,446,384
Poplar	1,082	28.00	75,000	2,100,000	220,040	1,879,960	2,034,117
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						31,333,217

Net Return (Economic Price) - With Project (8th Year)  
\*\*\* Yield - 20% \*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (new)	1,893	10.40	200,000	2,080,000	396,703	1,683,297	3,186,481
Grape	768	12.00	200,000	2,400,000	516,687	1,883,313	1,446,384
Poplar	1,082	28.00	75,000	2,100,000	220,040	1,879,960	2,034,117
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						32,241,857

Table VI-8  
Sheet 5

Net Return (Economic Price) - With Project (9th Year)  
\*\*\*\* Yield - 20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	359,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Existing)	413	16.80	200,000	3,360,000	396,703	2,963,297	1,223,842
Fruit (New)	1,893	13.60	200,000	2,720,000	396,703	2,323,297	4,398,001
Grape	768	12.00	200,000	2,400,000	516,687	1,883,313	1,446,384
Poplar	1,082	28.00	75,000	2,100,000	220,040	1,879,960	2,034,117
Wheat Straw	(9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	(1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	(9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						33,453,377

Net Return (Economic Price) - With Project (10th year ~)  
\*\*\*\* Yield - 20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	238,921	351,879	3,398,447
Barley	1,970	3.20	133,000	425,600	233,213	192,387	379,002
Suger beet	6,558	44.00	42,000	1,848,000	954,228	893,772	5,861,357
Dry bean	9,105	2.00	609,000	1,218,000	586,658	631,342	5,748,369
Sunflower	1,850	3.20	400,000	1,280,000	368,657	911,343	1,685,985
Potatoes	1,465	20.00	100,000	2,000,000	1,588,870	411,130	602,305
Vegetables (Tomato)	1,081	20.00	160,000	3,200,000	1,259,228	1,940,772	2,097,975
Alfalfa	2,595	11.20	90,000	1,008,000	412,808	595,192	1,544,523
Fruit (Apple)	2,306	16.80	200,000	3,360,000	396,703	2,963,297	6,833,363
Vineyard	768	12.00	200,000	2,400,000	516,687	1,883,313	1,446,384
Poplar	1,082	28.00	75,000	2,100,000	220,040	1,879,960	2,034,117
Wheat Straw	(9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	(1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	(9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						34,664,897

Net Return (Economic Price) - With Project (1st Year) -  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.1	211,000	443,100	286,705	156,395	1,510,463
Barley	1,970	2.4	133,000	319,200	279,856	39,344	77,508
Suger beet	6,558	41.0	42,000	1,722,000	1,145,074	576,926	3,783,481
Dry bean	9,105	2.1	609,000	1,278,900	703,990	574,910	5,234,556
Sunflower	1,850	2.5	400,000	1,000,000	442,388	557,612	1,031,582
Potatoes	1,465	21.7	100,000	2,170,000	1,906,644	263,356	385,817
Vegetables	1,081	17.3	160,000	2,768,000	1,511,074	1,256,926	1,358,737
Alfalfa	2,595	12.0	90,000	1,080,000	495,370	584,630	1,517,115
Fruit (Existing)	413	15.0	200,000	3,000,000	476,044	2,523,956	1,042,394
Fruit (new)	1,893	-	-	-	600,844	- 600,844	-1,137,398
Grape (Existing)	604	10.0	200,000	2,000,000	620,024	1,379,976	833,506
Grape (new)	164	-	-	-	558,524	- 558,524	- 91,598
Poplar (Existing)	442	24.0	75,000	1,800,000	264,048	1,535,952	678,891
Poplar (new)	640	-	-	-	140,700	- 140,700	- 90,048
Wheat Straw	( 9,658)	2.1	50,000	105,000	0	105,000	1,014,090
Barley Straw	( 1,970)	2.4	50,000	120,000	0	120,000	236,400
Dry bean Stalk	( 9,105)	2.1	75,000	157,500	0	157,500	1,434,038
	38,438						18,819,534

Net Return (Economic Price) - With Project (2nd Year) -  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.8	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.2	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	48.0	42,000	2,016,000	1,145,074	870,926	5,711,533
Dry bean	9,105	2.3	609,000	1,400,700	703,990	696,710	6,343,545
Sunflower	1,850	3.2	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	23.4	100,000	2,340,000	1,906,644	433,356	634,867
Vegetables	1,081	21.1	160,000	3,376,000	1,511,074	1,864,926	2,015,985
Alfalfa	2,595	13.0	90,000	1,170,000	495,370	674,630	1,750,665
Fruit (Existing)	413	18.0	200,000	3,600,000	476,044	3,123,956	1,290,194
Fruit (new)	1,893	-	-	-	476,044	- 476,044	- 901,151
Grape (Existing)	604	12.5	200,000	2,500,000	620,024	1,879,976	1,135,506
Grape (new)	164	-	-	-	620,024	- 620,024	- 101,684
Poplar (Existing)	442	29.0	75,000	2,175,000	264,048	1,910,952	844,641
Poplar (new)	640	-	-	-	264,048	- 264,048	- 168,991
Wheat Straw	( 9,658)	2.8	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.2	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.3	75,000	172,500	0	172,500	1,570,613
Total	38,438						26,566,691

Table VII- 9  
Sheet 2

Net Return (Economic Price) - With Project (3rd Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (new)	1,893	-	200,000	-	476,044	- 476,044	- 901,151
Grape (Existing)	604	15.0	200,000	3,000,000	620,024	2,379,976	1,437,506
Grape (new)	164	5.0	200,000	1,000,000	620,024	379,976	62,316
Poplar (Existing)	442	35.0	75,000	2,625,000	264,048	2,360,952	1,043,541
Poplar (new)	640	-	75,000	-	264,048	- 264,048	- 168,991
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						34,440,425

Net Return (Economic Price) - With Project (4th Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (new)	1,893	-	200,000	-	476,044	- 476,044	- 901,151
Grape (Existing)	604	15.0	200,000	3,000,000	620,024	2,379,976	1,437,506
Grape (new)	164	7.5	200,000	1,500,000	620,024	879,976	144,316
Poplar (Existing)	442	35.0	75,000	2,625,000	264,048	2,360,952	1,043,541
Poplar (new)	640	-	75,000	-	264,048	- 264,048	- 168,991
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						34,522,425



Table VI- 9  
Sheet 3

Net Return (Economic Price) - With Project (5th Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (new)	1,893	-	200,000	-	476,044	- 476,044	- 901,151
Grape (Existing)	604	15.0	200,000	3,000,000	620,024	2,379,976	1,437,506
Grape (new)	164	10.0	200,000	2,000,000	620,024	1,379,976	226,316
Poplar (Existing)	442	35.0	75,000	2,625,000	264,048	2,360,952	1,043,541
Poplar (new)	640	-	75,000	-	264,048	- 264,048	- 168,991
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						34,604,425

Net Return (Economic Price) - With Project (6th Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (new)	1,893	-	200,000	-	476,044	- 476,044	- 901,151
Grape	768	15.0	200,000	3,000,000	620,024	2,379,976	1,827,822
Poplar	1,082	35.0	75,000	2,625,000	264,048	2,360,952	2,554,550
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						36,448,425

Table VI-9  
Sheet 4

Net Return (Economic Price) - With Project (7th Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (new)	1,893	10.0	200,000	2,000,000	476,044	1,523,956	2,884,849
Grape	768	15.0	200,000	3,000,000	620,024	2,379,976	1,827,822
Poplar	1,082	35.0	75,000	2,625,000	264,048	2,360,952	2,554,550
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						40,234,425

Net Return (Economic Price) - With Project (8th Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (new)	1,893	13.0	200,000	2,600,000	476,044	2,123,956	4,020,649
Grape	768	15.0	200,000	3,000,000	620,024	2,379,976	1,827,822
Poplar	1,082	35.0	75,000	2,625,000	264,048	2,360,952	2,554,550
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						41,370,225

Table VI- 9  
Sheet 5

Net Return (Economic Price) - With Project (9th Year)  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Existing)	413	21.0	200,000	4,200,000	476,044	3,723,956	1,537,994
Fruit (New)	1,893	17.0	200,000	3,400,000	476,044	2,923,956	5,535,049
Grape	768	15.0	200,000	3,000,000	620,024	2,379,976	1,827,822
Poplar	1,082	35.0	75,000	2,625,000	264,048	2,360,952	2,554,550
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						42,884,625

Net Return (Economic Price) - With Project (10th year ~) -  
\*\*\*\* Production Cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	211,000	738,500	286,705	451,795	4,363,436
Barley	1,970	4.0	133,000	532,000	279,856	252,144	496,724
Suger beet	6,558	55.0	42,000	2,310,000	1,145,074	1,164,926	7,639,585
Dry bean	9,105	2.5	609,000	1,522,500	703,990	818,510	7,452,534
Sunflower	1,850	4.0	400,000	1,600,000	442,388	1,157,612	2,141,582
Potatoes	1,465	25.0	100,000	2,500,000	1,906,644	593,356	869,267
Vegetables (Tomato)	1,081	25.0	160,000	4,000,000	1,511,074	2,488,926	2,690,529
Alfalfa	2,595	14.0	90,000	1,260,000	495,370	764,630	1,984,215
Fruit (Apple)	2,306	21.0	200,000	4,200,000	476,044	3,723,956	8,587,443
Vineyard	768	15.0	200,000	3,000,000	620,024	2,379,976	1,827,822
Poplar	1,082	35.0	75,000	2,625,000	264,048	2,360,952	2,554,550
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						44,399,025

Table VI- 10  
Sheet 1

Net Return (Economic Price) - With Project (1st Year) -  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	1.68	211,000	354,480	286,705	67,775	654,571
Barley	1,970	1.92	133,000	255,360	279,856	24,496	48,257
Suger beet	6,558	32.80	42,000	1,377,600	1,145,074	232,526	1,524,906
Dry bean	9,105	1.68	609,000	1,023,120	703,990	319,130	2,905,679
Sunflower	1,850	2.00	400,000	800,000	442,388	357,612	661,582
Potatoes	1,465	17.36	100,000	1,736,000	1,906,644	170,644	249,993
Vegetables	1,081	13.84	160,000	2,214,400	1,511,074	703,326	760,295
Alfalfa	2,595	9.60	90,000	864,000	495,370	368,630	956,595
Fruit (Existing)	413	12.00	200,000	2,400,000	476,044	1,923,956	794,594
Fruit (new)	1,893	-	-	-	600,844	600,844	-1,137,398
Grape (Existing)	604	8.00	200,000	1,600,000	620,024	979,976	591,906
Grape (new)	164	-	-	-	558,524	558,524	91,598
Poplar (Existing)	442	19.20	75,000	1,440,000	264,048	1,175,952	519,771
Poplar (new)	640	-	-	-	140,700	140,700	90,048
Wheat Straw	( 9,658)	1.68	50,000	84,000	0	84,000	811,272
Barley Straw	( 1,970)	1.92	50,000	96,000	0	96,000	189,120
Dry bean Stalk	( 9,105)	1.68	75,000	126,000	0	126,000	1,147,230
	38,438						9,900,227

Net Return (Economic Price) - With Project (2nd Year) -  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.24	211,000	472,640	286,705	185,935	1,795,760
Barley	1,970	2.56	133,000	340,480	279,856	60,624	119,429
Suger beet	6,558	38.40	42,000	1,612,800	1,145,074	467,726	3,067,347
Dry bean	9,105	1.84	609,000	1,120,560	703,990	416,570	3,792,870
Sunflower	1,850	2.56	400,000	1,024,000	442,388	581,612	1,075,982
Potatoes	1,465	18.72	100,000	1,872,000	1,906,644	34,644	50,753
Vegetables	1,081	16.96	160,000	2,700,800	1,511,074	1,189,726	1,286,094
Alfalfa	2,595	10.40	90,000	936,000	495,370	440,630	1,143,435
Fruit (Existing)	413	14.40	200,000	2,880,000	476,044	2,403,956	992,834
Fruit (new)	1,893	-	-	-	476,044	476,044	901,151
Grape (Existing)	604	10.00	200,000	2,000,000	620,024	1,379,976	833,506
Grape (new)	164	-	-	-	620,024	620,024	101,684
Poplar (Existing)	442	23.20	75,000	1,740,000	264,048	1,475,952	652,371
Poplar (new)	640	-	-	-	264,048	264,048	168,991
Wheat Straw	( 9,658)	2.24	50,000	112,000	0	112,000	1,081,696
Barley Straw	( 1,970)	2.56	50,000	128,000	0	128,000	252,160
Dry bean Stalk	( 9,105)	1.84	75,000	138,000	0	138,000	1,256,490
Total	38,438						16,127,395

Table VI- 10  
Sheet 2

Net Return (Economic Price) - With Project (3rd Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (new)	1,893	-	200,000	-	476,044	- 476,044	- 901,151
Grape (Existing)	604	12.00	200,000	2,400,000	620,024	1,779,976	1,075,106
Grape (new)	164	4.00	200,000	800,000	620,024	179,976	29,516
Poplar (Existing)	442	28.00	75,000	2,100,000	264,048	1,835,952	811,491
Poplar (new)	640	-	75,000	-	264,048	- 264,048	- 168,991
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
<b>Total</b>	<b>38,438</b>						<b>22,426,384</b>

Net Return (Economic Price) - With Project (4th Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (new)	1,893	-	200,000	-	476,044	- 476,044	- 901,151
Grape (Existing)	604	12.00	200,000	2,400,000	620,024	1,779,976	1,075,106
Grape (new)	164	6.00	200,000	1,200,000	620,024	579,976	95,116
Poplar (Existing)	442	28.00	75,000	2,100,000	264,048	1,835,952	811,491
Poplar (new)	640	-	75,000	-	264,048	- 264,048	- 168,991
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
<b>Total</b>	<b>38,438</b>						<b>22,491,984</b>

Table VII- 10  
Sheet 3

Net Return (Economic Price) - With Project (5th Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (new)	1,893	-	200,000	-	476,044	476,044	-901,151
Grape (Existing)	604	12.00	200,000	2,400,000	620,024	1,779,976	1,075,106
Grape (new)	164	8.00	200,000	1,600,000	620,024	979,976	160,716
Poplar (Existing)	442	28.00	75,000	2,100,000	264,048	1,835,952	811,491
Poplar (new)	640	-	75,000	-	264,048	264,048	-168,991
Wheat Straw	(9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	(1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	(9,105)	2.00	75,000	150,000	0	150,000	1,365,750
<b>Total</b>	<b>38,438</b>						<b>22,557,584</b>

Net Return (Economic Price) - With Project (6th Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (new)	1,893	-	200,000	-	476,044	476,044	-901,151
Grape	768	12.00	200,000	2,400,000	620,024	1,779,976	1,367,022
Poplar	1,082	28.00	75,000	2,100,000	264,048	1,835,952	1,986,500
Wheat Straw	(9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	(1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	(9,105)	2.00	75,000	150,000	0	150,000	1,365,750
<b>Total</b>	<b>38,438</b>						<b>24,032,784</b>

Table VII- 10  
Sheet 4

Net Return (Economic Price) - With Project (7th Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (new)	1,893	8.00	200,000	1,600,000	476,044	1,123,956	2,127,649
Grape	768	12.00	200,000	2,400,000	620,024	1,779,976	1,367,022
Poplar	1,082	28.00	75,000	2,100,000	264,048	1,835,952	1,986,500
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						27,061,584

Net Return (Economic Price) - With Project (8th Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (new)	1,893	10.40	200,000	2,080,000	476,044	1,603,956	3,036,289
Grape	768	12.00	200,000	2,400,000	620,024	1,779,976	1,367,022
Poplar	1,082	28.00	75,000	2,100,000	264,048	1,835,952	1,986,500
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
Total	38,438						27,970,224

Table VII- 10  
Sheet 5

Net Return (Economic Price) - With Project (9th Year)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Existing)	413	16.80	200,000	3,360,000	476,044	2,883,956	1,191,074
Fruit (New)	1,893	13.60	200,000	2,720,000	476,044	2,243,956	4,247,809
Grape	768	12.00	200,000	2,400,000	620,024	1,779,976	1,367,022
Poplar	1,082	28.00	75,000	2,100,000	264,048	1,835,952	1,986,500
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
<b>Total</b>	<b>38,438</b>						<b>29,181,744</b>

Net Return (Economic Price) - With Project (10th Year~)  
\*\*\*\* Yield - 20% and Production cost +20% \*\*\*\*

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.80	211,000	590,800	286,705	304,095	2,936,950
Barley	1,970	3.20	133,000	425,600	279,856	145,744	287,116
Suger beet	6,558	44.00	42,000	1,848,000	1,145,074	702,926	4,609,789
Dry bean	9,105	2.00	609,000	1,218,000	703,990	514,010	4,680,061
Sunflower	1,850	3.20	400,000	1,280,000	442,388	837,612	1,549,582
Potatoes	1,465	20.00	100,000	2,000,000	1,906,644	93,356	136,767
Vegetables (Tomato)	1,081	20.00	160,000	3,200,000	1,511,074	1,688,926	1,825,729
Alfalfa	2,595	11.20	90,000	1,008,000	495,370	512,630	1,330,275
Fruit (Apple)	2,306	16.80	200,000	3,360,000	476,044	2,883,956	6,650,403
Vineyard	768	12.00	200,000	2,400,000	620,024	1,779,976	1,367,022
Poplar	1,082	28.00	75,000	2,100,000	264,048	1,835,952	1,986,500
Wheat Straw	( 9,658)	2.80	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.20	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.00	75,000	150,000	0	150,000	1,365,750
<b>Total</b>	<b>38,438</b>						<b>30,393,264</b>



Table VI- 11  
Sheet 1

Net Return (Financial price) - Without Project -

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	(0) 14,939	1.4	168,000	235,200	212,691	22,509	336,262
Wheat	(1) 1,863	3.0	168,000	504,000	271,983	232,017	432,248
Barley	(0) 3,572	1.6	133,000	212,800	210,005	2,795	9,984
Barley	(1) 291	3.0	133,000	399,000	260,222	138,778	40,384
Suger beet	(1) 2,473	35.0	42,000	1,470,000	1,204,700	265,300	656,087
Chick-pea	(0) 8,165	1.0	450,000	450,000	288,625	161,375	1,317,627
Lentil	(0) 151	1.0	425,000	425,000	275,105	149,895	22,634
Cow vetch	(1) 510	1.0	250,000	250,000	233,075	16,925	8,632
Dry bean	(1) 2,270	1.9	725,000	1,377,500	561,125	816,375	1,853,171
Sunflower	(1) 507	1.8	400,000	720,000	446,810	273,190	138,507
Potatoes	(1) 257	20.0	100,000	2,000,000	1,840,450	159,550	41,004
Vegetables	(1) 111	13.5	130,000	1,755,000	857,400	897,600	99,634
Fruit	(1) 413	12.0	200,000	2,400,000	770,625	1,629,375	672,932
Vineyard	(0) 604	7.5	200,000	1,500,000	586,215	913,785	551,926
Poplar	(1) 442	18.0	75,000	1,350,000	350,000	1,000,000	442,000
Wheat Straw	(0) 14,939	1.4	50,000	70,000	0	70,000	1,045,730
Wheat Straw	(1) 1,863	3.0	50,000	150,000	0	150,000	279,450
Barley Straw	(0) 3,572	1.6	50,000	80,000	0	80,000	285,760
Barley Straw	(1) 291	3.0	50,000	150,000	0	150,000	43,650
Chick-pea Stalk	(0) 8,165	1.0	25,000	25,000	0	25,000	204,125
Lentil Staik	(0) 151	1.0	25,000	25,000	0	25,000	3,775
Dry bean Stalk	(1) 2,270	1.9	75,000	142,500	0	142,500	323,475
<b>Total</b>	<b>39,627</b>						<b>8,808,997</b>

Table VI- 11  
Sheet 2

Net Return (Financial Price) - With Project (1st Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.1	168,000	352,800	297,458	55,342	534,493
Barley	1,970	2.4	133,000	319,200	290,408	28,792	56,720
Suger beet	6,558	41.0	42,000	1,722,000	1,371,700	350,300	2,297,267
Dry bean	9,105	2.1	725,000	1,522,500	827,650	694,850	6,326,609
Sunflower	1,850	2.5	400,000	1,000,000	550,855	449,145	830,918
Potatoes	1,465	21.7	100,000	2,170,000	2,072,850	97,150	142,325
Vegetables	1,081	17.3	160,000	2,768,000	1,687,350	1,080,650	1,168,183
Alfalfa	2,595	12.0	90,000	1,080,000	587,050	492,950	1,279,205
Fruit (Existing)	413	15.0	200,000	3,000,000	586,946	2,413,054	996,591
Fruit (new)	1,893	-	-	-	716,946	- 716,946	-1,357,179
Grape (Existing)	604	10.0	200,000	2,000,000	788,315	1,211,685	731,858
Grape (new)	164	-	-	-	757,065	- 757,065	- 124,159
Poplar (Existing)	442	24.0	75,000	1,800,000	385,500	1,414,500	625,209
Poplar (new)	640	-	-	-	138,500	- 138,500	88,640
Wheat Straw	( 9,658)	2.1	50,000	105,000	0	105,000	1,014,090
Barley Straw	( 1,970)	2.4	50,000	120,000	0	120,000	236,400
Dry bean Stalk	( 9,105)	2.1	75,000	157,500	0	157,500	1,434,038
Total	38,438						16,281,208

Net Return (Financial Price) - With Project (2nd Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	2.8	168,000	470,400	297,458	172,942	1,670,274
Barley	1,970	3.2	133,000	425,600	290,408	135,192	266,328
Suger beet	6,558	48.0	42,000	2,016,000	1,371,700	644,300	4,225,319
Dry bean	9,105	2.3	725,000	1,667,500	827,650	839,850	7,646,834
Sunflower	1,850	3.2	400,000	1,280,000	550,855	729,145	1,348,918
Potatoes	1,465	23.4	100,000	2,340,000	2,072,850	267,150	391,375
Vegetables	1,081	21.1	160,000	3,376,000	1,687,350	1,688,650	1,825,431
Alfalfa	2,595	13.0	90,000	1,170,000	587,050	582,950	1,512,755
Fruit (Existing)	413	18.0	200,000	3,600,000	586,946	3,013,054	1,244,391
Fruit (new)	1,893	-	-	-	586,946	- 586,946	-1,111,089
Grape (Existing)	604	12.5	200,000	2,500,000	788,315	1,711,685	1,033,858
Grape (new)	164	-	-	-	788,315	- 788,315	- 129,284
Poplar (Existing)	442	29.0	75,000	2,175,000	385,500	1,789,500	790,959
Poplar (new)	640	-	-	-	385,500	- 385,500	- 246,720
Wheat Straw	( 9,658)	2.8	50,000	140,000	0	140,000	1,352,120
Barley Straw	( 1,970)	3.2	50,000	160,000	0	160,000	315,200
Dry bean Stalk	( 9,105)	2.3	75,000	172,500	0	172,500	1,570,613
Total	38,438						23,707,282

Table VIII- 11  
Sheet 3

Net Return (Financial Price) - With Project (3rd Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalpa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (new)	1,893	-	200,000	-	586,946	-586,946	-1,111,089
Grape (Existing)	604	15.0	200,000	3,000,000	788,315	2,211,685	1,335,858
Grape (new)	164	5.0	200,000	1,000,000	788,315	211,685	34,716
Poplar (Existing)	442	35.0	75,000	2,625,000	385,500	2,239,500	989,859
Poplar (new)	640	-	75,000	-	385,500	-385,500	-246,720
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>31,501,547</b>

Net Return (Financial Price) - With Project (4th Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalpa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (new)	1,893	-	200,000	-	586,946	-586,946	-1,111,089
Grape (Existing)	604	15.0	200,000	3,000,000	788,315	2,211,685	1,335,858
Grape (new)	164	7.5	200,000	1,500,000	788,315	711,685	116,716
Poplar (Existing)	442	35.0	75,000	2,625,000	385,500	2,239,500	989,859
Poplar (new)	640	-	75,000	-	385,500	-385,500	-246,720
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>31,583,547</b>

Table VI- 11  
Sheet 4

Net Return (Financial Price) - With Project (5th Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalfa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (new)	1,893	-	200,000	-	586,946	586,946	-1,111,089
Grape (Existing)	604	15.0	200,000	3,000,000	788,315	2,211,685	1,335,858
Grape (new)	164	10.0	200,000	2,000,000	788,315	1,211,685	198,716
Poplar (Existing)	442	35.0	75,000	2,625,000	385,500	2,239,500	989,859
Poplar (new)	640	-	75,000	-	385,500	385,500	-246,720
Wheat Straw	(9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	(1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	(9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>31,665,547</b>

Net Return (Financial Price) - With Project (6th Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalfa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (new)	1,893	-	200,000	-	586,946	586,946	-1,111,089
Grape	768	15.0	200,000	3,000,000	788,315	2,211,685	1,698,574
Poplar	1,082	35.0	75,000	2,625,000	385,500	2,239,500	2,423,139
Wheat Straw	(9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	(1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	(9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>33,509,547</b>

Net Return (Financial Price) - With Project (7th Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalfa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (new)	1,893	10.0	200,000	2,000,000	586,946	1,413,054	2,674,911
Grape	768	15.0	200,000	3,000,000	788,315	2,211,685	1,698,574
Poplar	1,082	35.0	75,000	2,625,000	385,500	2,239,500	2,423,139
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>37,295,547</b>

Net Return (Financial Price) - With Project (8th Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,457	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,407	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalfa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (new)	1,893	13.0	200,000	2,600,000	586,946	2,013,054	3,810,711
Grape	768	15.0	200,000	3,000,000	788,315	2,211,685	1,698,574
Poplar	1,082	35.0	75,000	2,625,000	385,500	2,239,500	2,423,139
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
<b>Total</b>	<b>38,438</b>						<b>38,431,347</b>

Table VII- 11  
Sheet 6

Net Return (Financial Price) - With Project (9th Year)

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalfa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit (Existing)	413	21.0	200,000	4,200,000	586,946	3,613,054	1,492,191
Fruit (New)	1,893	17.0	200,000	3,400,000	586,946	2,813,054	5,325,111
Grape	768	15.0	200,000	3,000,000	788,315	2,211,685	1,698,574
Poplar	1,082	35.0	75,000	2,625,000	385,500	2,239,500	2,423,139
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						39,945,747

Net Return (Financial price) - With Project (10th Year~ )

Kind of Crop	Cultivated Area (ha)	Yield (ton/ha)	Farm-gate Price (TL/ton)	Gross Return (TL/ha)	Production Cost (TL/ha)	Net Return	
						(TL/ha)	(1,000TL)
Wheat	9,658	3.5	168,000	588,000	297,458	290,542	2,806,055
Barley	1,970	4.0	133,000	532,000	290,408	241,592	475,936
Suger beet	6,558	55.0	42,000	2,310,000	1,371,700	938,300	6,153,371
Dry bean	9,105	2.5	725,000	1,812,500	827,650	984,850	8,967,059
Sunflower	1,850	4.0	400,000	1,600,000	550,855	1,049,145	1,940,918
Potatoes	1,465	25.0	100,000	2,500,000	2,072,850	427,150	625,775
Vegetables	1,081	25.0	160,000	4,000,000	1,687,350	2,312,650	2,499,975
Alfalfa	2,595	14.0	90,000	1,260,000	587,050	672,950	1,746,305
Fruit	2,306	21.0	200,000	4,200,000	586,946	3,613,054	8,331,703
Vineyard	768	15.0	200,000	3,000,000	788,315	2,211,685	1,698,574
Poplar	1,082	35.0	75,000	2,625,000	385,500	2,239,500	2,423,139
Wheat Straw	( 9,658)	3.5	50,000	175,000	0	175,000	1,690,150
Barley Straw	( 1,970)	4.0	50,000	200,000	0	200,000	394,000
Dry bean Stalk	( 9,105)	2.5	75,000	187,500	0	187,500	1,707,188
Total	38,438						41,460,148