	ti ing	Qued		Hazoua			Oasis L	imaoura
Items	Kasba	Shili	Tozeur	3	Mansou	a Atilet	de Gabo	s let2
Farm Land: (ha)	1.06	3,11	1.38	1.00	0.25	0.75	0.29	1.25
Gross Income: (D.)								
- Farm Income	8,923	16,281	10,419	5,510	2,043	5,326	2,250	8.591
<ul> <li>Off-farm Income</li> </ul>	0	0	0	500	2,500	1,000	2,000	0
Sub-total	8.923	16.281	10.412	6.010	4.543	6.326	4.250	8.591
Number of Family:	5.33	5.47	5.27	5.27	5.65	6.17	5.48	5.48
Gross Outgoing: (D.	<b>)</b>			,			11.11	
- Production Cost	1,238	1,853	1,351	845	326	1,251	356	1,591
- Living Expenses	3,059	3,140	3.024	3,770	3,244	3,542	3,145	3,145
Sub-total	4.997	4.993	4.375	4.615	3,570	<u>54,693</u>	3,501	4.736
Net Reserve: (D.)	4,626	11,288	6.044	1,395	<u>973</u>	1,633	749	3.855
Capacity to Pay: (D.	year)	1 1.4				e " .		
- Repayment Amoun	t <u>223</u>	1,068	497	452	<u>166</u>	344	86	614
	4.8%	9.5%	8.2%	32.4%	17.1%	21.1%	11.5%	15.9%

Source: Farm economic survey by JICA Study team, 1995

The net reserve or capacity to pay of farmers would increase remarkably at D. 750 - 11,290 under the future with project condition. These increase in net reserve would enable farmers to repayment of construction cost of irrigation and drainage facilities.

## K.4 INDIRECT BENEFITS AND SOCIO-ECONOMIC INPACTS

## (1) Farmers Income

After implementation of the Project, income of farmers estimated at 39,600 households is expected to increase considerably as a direct result of the increase in crop production. Such increase in income would contribute to improving farmers; living standards. Moreover, it is expected that farmers' purchasing power would increase along with improvement of their living standards, and this increased purchasing power would benefit the development of the regional economy.

## (2) Marketing of Agricultural Products and Farm Inputs

Future marketing in the Project area is likely expand as compared with the present condition. With anticipated higher crop production, more agricultural products could be marketed by the farmers and the proportion of sales would also increase relative to consumption. The merchants would have a larger turnover which could increase their incomes. Marketing functions would not only be influenced by agricultural outputs. It is estimated that when agricultural production develops as a result of the Project, the Project area would be a good market for farm supplies. The farmers need to operate with farm supplies such as tools, equipment and others. Both ends of marketing channels could, therefore, expect substantial beneficial impacts from the Project.

Table K.2.1.1 Economic Price Structure for Fertilizers, 2005
(Import Substitution Value, 1995 Constant Price)

Items	Operation	Unit	Year 2005 Price
A. Urea (46%)		11066-	137
1. Bagged price, FOB West Europe/_a		US\$/ton	50
2. Ocean freight and insurance /_b	+	US\$/ton	187
3. CIF Tunis price	=	US\$/ton	
US\$ =	D. 0.944	D./ton	177
4. Port charge, handling and warehousing, etc/_b	+	D./ton	15
5. Transport and handling cost, Tunis - Site/_c	+	D./ton	50
6. Marketing and dealers' cost/_c	+	D./ton	20
7. Transport and handling cost, dealer - farmer/_d	+	D./ton	5
8. Farm gate price	<i>*</i> * <b>=</b>	D./ton	267
Adjusted to Ammonium Nitrate	33.5%	D./kg	0.194
B. TSP (Super 45)			
<ol> <li>Bulk export price, FOB US Gulf ports/_a</li> </ol>		US\$/ton	115
2. Ocean freight and insurance /_b	+	US\$/ton	70
3. CIF Tunis price	<del></del>	US\$/ton	185
US\$ =	D. 0.944	D./ton	175
4. Port charge, handling and warehousing, etc. Lb	+	D./ton	15
5. Transport and handling cost, Tunis - Site/c	+	D./ton	50
6. Marketing and dealers' cost/_c	•	D./ton	20
7. Transport and handling cost, dealer - farmer/_d	+	D./ton	5
8. Farm gate price		D./ton	265
Adjusted to Super 45	45.0%	D./kg	0.265
	<del> </del>		
C. Potassium Chloride (60%)	* * · · · · · ·	11006-	153
1. Bulk export price, FOB Vancouverl_1	· .	US\$/ton	
2. Ocean freight and insurance /_b	+	US\$/ton	90
3. CIF Tunis price	=	US\$/ton	243
U\$\$:	= D. 0.944	D./ton	229
4. Port charge, handling and warehousing, etc./_b	+	D./ton	15
5. Transport and handling cost, Tunis - Site/_c	. +	D./ton	50
6. Marketing and dealers' cost/_c	+	D./ton	20
7. Transport and handling cost, dealer - farmer/_d	+	D./ton	5
8. Farm gate price	=	D./ton	319
Adjusted to Sulfate of Potash	52%	D./kg	0.276

Sources: /a Based on World Bank Price Prospects for Major Primary Commodities, 1994-2005 (August, 1995)

/\_d JICA Marketing Survey

<sup>/</sup>\_b Compagnie Tunisinne de Navigation, Tunis

<sup>/</sup>\_c Site; Average at Gafsa, Tozeur, Kebili and Gabes, HCA Marketing Survey

Table K.2.1.2 Economic Price Structure for Agricultural Products and Farm Inputs

İtems	Operation	Unit	1995 Price
A. Date Palm (Export parity price)			
1. FOB Tunis price /_a	=	D./ton	2,540
2. Quality difference (35% of FOB price)/_a		D./ton	890
3. Port charge, handling and warehousing, etc./_c		D./ton	50
4. Transport and handling cost, Tunis - Site/_d	•*	D./ton	70
5. Marketing and dealers' cost (11%) /_a	•	D./ton	280
6. Transport and handling cost, dealer - farmer/_d	÷ +	D./ton	70
7. Farm gate price (1-2-3-4-5-6)	=	D./ton	1,180
		D./kg	1.180
B. Olive (Export parity price)	<del></del>	<u> </u>	
1. FOB Tunis price/_a	= *. * *	D./ton	2,150
2. Quality difference (50% of FOB price) /_a		D./ton	1,075
3. Port charge, handling and warehousing, etc./_c		D./ton	50
4. Transport and handling cost, Tunis - Site/_d		D./ton	70
5. Marketing and dealers' cost (11%)/_a	·	D./ton	280
6. Transport and handling cost, dealer - farmer/_d	-	D./ton	50
7. Farm gate price (1-2-3-4-5-6)	=	D./ton	625
		D./kg	0.625
C. Insecticides (Import substitution value)			
1. CIF Tunis price /_b	-	D./ton	17,600
2. Port charge, handling and warehousing, etc. /_c	+	D./ton	50
3. Packing/bagging at STEC (5% of FOB price) / b	+	D./ton	950
4. Transport and handling cost, Tunis - Site/_d	+	D./ton	70
5. Transport and handling cost, dealer - farmer/_d	+	D./ton	30
6. Farm gate price (1+2+3+4+5)	=	D./ton	18,700
		D./lit	18.700
D. Fungicides (Import substitution value)			
1. CIF Tunis price /_b	==	D./ton	23,750
2. Port charge, handling and warehousing, etc./_c	+	D./ton	50
3. Packing/ bagging at STEC (5% of FOB price)/_b	•	D./ton	1,300
4. Transport and handling cost, Tunis - Site /_d	+	D./ton	70
5. Transport and handling cost, dealer - farmer / d	+	D./ton	30
6. Farm gate price (1+2+3+4+5)	=	D./ton	25,200
Our Live (Control Control	4	D./kg	25.200

Sources: /\_a Groupment Interprofessional des Dattes, Office National se l'Huile (ONH), Tunis

<sup>/</sup>\_b Societe Tunisienne d'Engrais Chimigues (STEC), Tinis

<sup>/</sup>\_c Compaghie Tunisinne de Navigation, Tunis

<sup>/</sup>\_d Site; Average at Gafsa, Tozeur, Kebili and Gabes, HCA Marketing Survey

Table K.2.1.3 Economic Price Structure for Agricultural Products

	Items	Opera	tion				· · ·	Unit: DJk	8
Δ	Fruits			Pome	granale	Ар	ricot	Eig /	others
	1. Wholesale Prices, Tunis /_a				0.342		0.587		0.458
	2. Marketing Charges and Commissions /_a	5%	-	0.017	0.325	0.029	0.558	0.023	0.435
	3. Carriage Charges /_a	1%		0.003	0.321	0.006	0.552	0.005	0.431
	4. Municipal Taxes (SOTUMAG)/_a	2%		0.007	0.315	0.012	0.540	0.009	0.421
	5. Delivery Service Charge	3%	<u>:</u>	0.010	0.304	0.018	0.522	0.014	0.408
	6. Transportation Charge to Project Site	5%		0.017		0.029		0.023	
	7. Farmgate Price (1-2-3-4-5-6)	0.12			0.287	•	0.493		0.385
	8. Economic Price (6+4)				0.294		0.505		0.394
	8. Economic File (074)			<u> </u>				<u> </u>	
В.	Vegetables			C	arrot	Tu	rnip	Qı	1 <u>ion</u>
:	1. Wholesale Prices, Tunis /_a				0.128		0.236	0011	0.218
	2. Marketing Charges and Commissions /_a	5%	-	0.006	0.122	0.012	0.224	0.011	0.207
	3. Carriage Charges /_a	1%	-	0.001	0.120	0.002	0.222	0.002	0.205
	4. Municipal Taxes (SOTUMAG) /_a	2%	-	0.003	0.118	0.005	0.217	0.004	0.201
	5. Delivery Service Charge	3%	<u>:</u>	0.004	0.114	0.007	0.210	0.007	0.194
	6. Special Tax (GIL) /_a	1%	-	0.001	0.113	0.002	0.208	0.002	0.192
	7. Transportation Charge to Project Site /_b	3%		0.004		0.007		0.006	
	8. Farmgate Price (1-2-3-4-5-6-7)		-		0.109		0.201	•	0.186
	9. Economic Price (6+4+6)				0.113		0.208		0.192
			,	Kido	ey Bean	Pe	oper	То	mato
C.	Vegetables			12121	0.435	_	1.026		0.364
: . '	<ol> <li>Wholesale Prices, Tunis /_a</li> <li>Marketing Charges and Commissions /_a</li> </ol>	5%		0.022	0.413	0.051	0.975	0.018	0.346
		1%		0.004	0.409	0.010	0.964	0.004	0.342
	3. Carriage Charges /_a	2%		0.009	0.400	0.021	0.944	0.007	0.335
	4. Municipal Taxes (SOTUMAG)/_a	2 % 3 %	. <u>-</u>	0.003	0.387	0.031	0.913	0.011	0.324
	5. Delivery Service Charge	1%	•	0.013	0.383	0.010	0.903	0.004	0.320
	6. Special Tax (GIL) /_a	3%	-	0.004	0.303	0.029		0.010	0.220
	7. Transportation Charge to Project Site /_b	370		0.012	0.370	0.027	0.874	0.000	0.310
	8. Farmgate Price (1-2-3-4-5-6-7)		-	,	0.383		0.904		0.321
	9. Economic Price (6+4+6)				<del></del> -				
D.	Fodder and Industrial Crops			L	acern	<u>H</u>	еппа		
	1. Wholesale Prices, Tunis /_a				0.062		2.160		
	2. Marketing Charges and Commissions /_a	5%	-	0.003		0.108	2.052		
	3. Carriage Charges /_a	1%	-	0.001	0.058	0.022	2.030		: Î.
	4. Municipal Taxes (SOTUMAG)/_a	2%	-	0.001	0.057	0.043	1.987		
	5. Delivery Service Charge	3%	-	0.002	0.055	0.065	1.922		
	6. Special Tax (GIL) /_a	1%	-	0.001	0.055	0.022	1.901		•
	7. Transportation Charge to Project Site /_b	3%		0.002		0.062			
	8. Farmgate Price (1-2-3-4-5-6-7)	1	· _		0.053		1.839		
	O' I mini Porto a visto (				0.055		1.904		

Sources: /\_a Societe Tunisienne des Gros (SOTUMAG), Tunis

Lb Site; Average at Gafsa, Tozeur, Kebili and Gabes, JICA Marketing Survey

Table K.2.1.4 Financial and Economic Farm Gate Prices of Agricultural Products and Farm Inputs

	Agno	Agricultural Products					Farm Inputs	outs	
	Financial	Бсонотіс			-	Financial	<b>.</b>	Economic	-
Description	Price	Price		Description	Unit	Price	٠	Price	NH M
	<u>6</u>	(a)		-		ê		e e	W AND CHAIR
A. FARM PRODUCTS				A. SEEDLING/SEED					
1. Arboriculture				1. Arboriculture					
1.1 Date Palm Kg	1.025	1.180	ACCION	1.1 Date Palm	Seedling	1.500	Ħ	1.500	
1.2 Olive Kg	0.400	0.625		1.2 Olive	Seeding	2.000	B	5.000	
1.3 Pomegranate Kg	0.287	0.294		1.3 Pomegranate	Seedling	0.500	H	0.500	- in-magn
1.4 Apricot Kg	0.493	0.505		1.4 Apricor	Seedling	0.800	q	0.800	- WARRING
1.5 Fig. Kg.	0.385	0.394		1.5 Fig	Seedling	0.500	"	0.500	70 <b>4.</b> ML
2. Vegetables				2. Vegetables	(Seed)				- <b>Q.J., Q.J.</b>
2.1 Carrot Kg	0.109	0.113		2.1. Carrot	× %	24.100	Đ	24.100	C#1+
2.2 Tumip Kg	0.201	0.208		2.2 Tumip	ž	13.500	Þ	13.500	\$ A PART
2.3 Onion Kg	0.186	0.192		2.3 Onion	33	29.000	1	29.000	•••
2.4 Kidney Beans Kg	0.370	0.383		2.4 Kidney Beans	X S	1.500	· Iŧ	1.500	
2.5 Pepper Kg	0.874	0.904		2.5 Pepper	Ž,	156,200	n	156.200	
2.6 Tomato Kg	0.310	0.321		2.6 Тотато	X	72.500	Ħ	72.500	<i>-</i> #
3. Fodder Crops				3. Fodder Crops	(Seeds)				****
3.1 Lucern Kg	0.053	0.055	لمجارجي	3.1 Lucem	ž	4.300	*)	4.300	nevia.
4. Industrial Crops				4. Industrial Crops	(Seed)				en e
4.1 Henna Kg	1.839	1.904		4.1 Henna	Kg	2,100	'n	2.100	HEIP CEA
Sources : Arr. des Eudes et Statistiques Agricole, Division des Etudes et du Development	ole, Division des	Etudes et du Develop	ment	B. FARM INPUTS					
Agricole, Gafsa, Tozeur, Kebili and Gabes CRDA	i Gabes CRDA			1. Fertilizers		Š	(per kg)	<b>9</b>	(per kg)
Farm Economic Survey by JICA Study Team, September 1995	tudy Team, Septe	mber 1995	-Allendo		og u			8.500	,
Remarks: T.C.*: Transportation cost from market to farm including handling charge	arket to farm incl	uding handling charge	41	-	50 kg		0.230	9.700	0.194
and other costs.					50 kg	1	0.238	13.250	0.265
Ref.: Tables K.2.1.1, K.2.1.2 and K.2.1.3				1.4 Sulfate de Potasse	50 kg		0.422	13.800	0.276
	÷			1.5 Nitrate de Potash	50 kg	000.4	0.880	26.100	0.522
			-	2. Insecucides	Ħ	18.700	# <u>.</u>	18.700	
				3. Fungicides	kg.	25.200	ıl	25.200	
				4. Water Charge	m3	0.020	Ħ	0.020	
				5. Labor Charge		×	x 0.85)		
		.:			man-day	5.200		4.420	
				2.2 Pollinisation (Date)	man-day	5.800		4.930	-T. Billion
• •				2.3 Harvesting	man-day	9.800	:	5.780	D-EP-PHA

TABLE K.2.2.1 (1) Economic Crop Budget per Ha under Without and With Project Condition

- PALMIERS DATTIERS - 1	r f					Year						Total		Апо	
hems	Unit	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	40 th	(10 years)	Unit Price	t0 years	25 year
ett.	<u> </u>											(a)	(b) (D.)	(a x b) (D.)	(D.)
GRÓSS INCOME	1													د د دره د	
Production	kg	0	O	Ü	0	1,200	3,500	4,600	5,800	5,800	5,800	26,700	1.180	21.506 (c)	
Production Value	D.	0	0	0	0	1,416	4,130	5,428	6,844	6,844	6,844			(1,260)	(5,30
PRODUCTION COST	1														
Farm Inputs	1 1														
1) Seeds	seeding	200	20	. 0	0	0	()	0	0	Ü	0	220	1.500	330	
2) FYM/Compost	ILM	5	0	0	5	0	Ö	5	O	0	5	20	8.500	170	
3) Chemical Fertilizers	1 ""												1.		
- Ammonium nitrale	kg	50	100	100	150	150	150	150	150	150	150	1,300	0.194	252	. (
- Super 45 (TSP)	kg	50	75	75	100	100	100	100	100	100	100	900	0.265	239	
- Super 45 (1 Sr) - Potassium sulfate	kg	ő	6	ő	0	0	Ð	0	0	0	0	0	0.522	0	
3) Agro-chemicals	`*	. "	.,	v	. •	•		_		_		·			
	ni	0	1	2	2	,	,	2	,	2	2	17	18,700	318	
- Insecticides		0	Ó	Ô	2	,	i	4	4	4	4	24.0	25.200	605	. 2.
• Fungicides	14	7.500	7,500	7,500	7,500	7,500	7.500	7.500	7,500	7.500	7.500	75.000	0.020	1.500	3,
4) Water	m3	1,500	7,300	7,300	7,307	,,,,,,,,,	1,.00	7	1,000	7	*******	, 2,13	1	3.413	8.
													'	(137)	C
Labour Reunirement	1 1													l	
1) Land preparation	man duy	45	30	25	25	25	25	. 25	. 25	25	25	275	4.420	1,216	- 1,
2) Transport of seedling	man-day	. 10	2	. 0	. 0	0	0	0	0	0	•	(2	4,420	53	
3) Transplanting	man-dus	10	2	0	. 0	. 0	0	0	0	0	0	12	4.420	53	
4) Fertilizer application	man-day	10	5	5	10	5	5	10	5	5	10	70	4.420	309	1
5) Weeding	man đạy	- 5	5	5	5	5	5	5	5	5	5	50	4.420	271	
6) Cleaning of plant	man-day	0	3	5	- 10	19	12	12	15	15	15	97	4.420	429	1
7) Water management	man day	30	30	30	30	36	30	30	30	30	30	300	4.420	1,326	. 3
8) Politination	man-day	. 0	. 0	0	. 0	3	5	8	8	8	. 8	40	4.930	197	
9) Harvesting	man-day	. 0	. 0	ŏ	. 0	10	20	30	30	. 30	30	150	- 5.780	867	
10) Post horvesting	man day	Ò	. 0	ō.	0	5	7	30	10	10	10	52	4.420	230	
Sub-total	]	HŐ	71	ZŨ	- 80	93	109	130	128	128	133	1.058	l • .	4.201	12
												(106)		(196)	- C
Miscellaneous	1							_					l	416	. 1
(5% of above	1 1	5%	5%	57	57	5%	59	5%	5%	57₹	5%		i		
production cost)	1 . 1												1	(17)	
		1.00		563	124	756	893	1.056	1.002	1.002	1,070		<b>{</b> :	8,230 (4)	22
Total Production Cost	D.	1.052	602	503	149	129	67.9	174275	F1-7/4	1 00/4	1 EELLY		L	(349)	(8
Net Return nor Ha	D.	-1,052	-607	-563	-724	660	3,232	4,312	5,842	5,842	5,774		Total	22,376	111. (4.
Net Return per Ha (c - d)	D.	1.052	-607	-563	-724	660	3,232	312	3,542	J.11-2	2,574		(D./ha/year)	(911)	

PALMIERS DATTIERS - 1	T					Year					. 7.	Total .	and the second	Amout	
Liems	Unit	l sl	2 nd	3 rd	4 th	5 th	5 th	7 th	8 th	9 (h	10 th	(10 years)	Unit Price	10 years	25 years
												(a)	(5) (D.)	(A x b) (D.)	(D.)
GROSS INCOME							4.000	5.300	6,600	6.600	6,600	30,400	1.180	35.872 (c)	152.69
Production	kg	0	0	0	0	1,300	4,000			7.788	7,788	347,400	1.100	(1,435)	(6.108
Production Value	D.	0	0	0	0	1,534	4,720	6,254	7,788	7,788	F./00			(1,4.5)	(1,100
PRODUCTION COST	l i														
Farm Incuts	1.								2.3						
1) Seeds	seculing	200	- 20	0	. 0	. 0	. 0	. 0	0	. 0	0.	220	1.500	330 170	33 38
2) FYM/Compost	ton	5	. 0	0	- 5	0	0	5	0	. 0	5	20	8.500	170	35
3) Chemical Fertilizers	1 : 1	. :					1				1				
- Ammonium aitrate	kg	50	120	120	120	180	180	180	180	180	180	1,490	0.194	289	81
- Super 45 (TSP)	l kĝ	50	90	90	120	120	120	120	120	120	120	1070	0.265	284	76
- Potassium sulfate	ki l	0	45	45	60	60	60	60	60	60	60	510	- 0.522	266	73
3) Agro-chemicals														l	
- Insecticides	lit.	Ö		2	2	2	2	. 2	2	: 2	2	. 17	18.700	318	87
- Fungicides	. kg	0	0	. 0	. 2	. 2	4	4	4	4	. 4	. 24.0	25.200	605	2,11
4) Water	m3	11,700	11,700	11,700	11,700	11,700	11,700	11,700	11,700	11,700	. 11,700	117,000	0.029	2,340	5.83
,													j	4.692	11.8
42	1 1					- 1							1	(184)	(47
Labour Requirement	I · I				1		14				1.1		A		
1) Land preparation	man-day	45	30	25	25	25	25	25	25	25	25	275	4.420	1,216	1,21
2) Transport of seedling	man-day	10	2	0	0	0	. 0	0	. 0	0	. 0	12	4,430	53	
3) Transplanting	man-day	10	2	0	0	0	0	``0	. 0	0	0	12	4.420	53	
4) Femilizer application	man-day	10	6	- 6	1 12	6	6	1 12	6	6	12	82	4.420	362	89
5) Weeding	man day	5	5	5	5	5	5	5	- 3	5	. 5	. 50	4,420	221	. 55
6) Cleaning of plant	man day	0	- 3	5	10	10	12	12	15	15	15	97	4.420	429	1.42
7) Water management	man-day	20	20	20	- 20	20	20	20	20	20	20	200	4 4 2 0	684	2,2
8) Polimation	man-day	0	0	0	. 0	. 3	5	. 8	- 8	8	8	40	4.930	197	7
9) Harnesting	man-day	ō	õ	0	0	10	25	45	45	45	45	215	5.780	1,243	5.1
(O) Post harvesting	man-day	o.	ŏ	0	. 0	5	8	12	12	12	12	61	4,420	270	1,0
Sab-total	1	100	68	61	22	84	106	139	136	136	142	1.044		4.927	11.3
200.174		122		2.4	_							(104)		(197)	(53
Miscellancous		-												476	1,2
( 5 % of above		57	5%	5%	59	5%	5%	57	57	5%	57				
production cost)														(19)	(5
	0.	1.094	647	642	E07	8.17	1.024	1.252	1,193	1.393	1.266			10,005 (4)	26.5
Total Production Cost	U	1734	637	0.92	571	9.17	LATE	1.00	******	1071	العجدة		L	(400)	(1,06
	D.	-1.094	687	-642	-807	687	3,696	5.002	6.595	6,395	6,522		Total	25.862	126.1
Net Return per Ha	V.	-1,175-1	1001	-0-2	-641	101	2.070	2,572	0,,3				(D/ha/year)	(1,035)	(5,04

TABLE K.2.2.1 (2) Economic Crop Budget per Ha under Without and With Project Condition

OUNT.	Without	Project	Condition

						Year						Total		Amou	nt
hems	Unit	sl	2 nd	314	4 th	5 th	6 th	7 th	R th	9th	10 sh	(10 years)	Unit Price	10 year	25 years
enose piecus	1											(a)	(b) (D.)	(a x b) (D.)	(D.)
GROSS INCOME Production	l i								e 200	- 400	4	***		1	1.2.2.2.2.
Production Value	kg D.	0-	0	0	0	1,200 750	3,700	4,900 3,063	6,100	6,100	6,100 3,813	28,100	0.625	17,563 (c)	24,750
				Ų	<u></u>	/30	2,313	33703	3,813	3,813	3,513		<u> </u>	(703)	(2,990)
PRODUCTION COST	l i												Ī		
Farm Inputs	ا ا														
1) Seeds	seedling	150	15	0	0	0	0	0	0	0	0	165	2,000	330	330
2) FYM/Compost	300	3	. 0	0	3	0	O	3	ø	0	- 3	12	8.500	102	230
3) Chemical Fertilizers		1 20.0			2.										
Ammonium nitrate	kg	50	50	75	15	. 75	75	75	. 75	75	75	700	0.194	136	354
- Super 45 (TSP)	kg	50	50	75	75	75	75	75	75	15	75	700	0.265	186	484
Potassium suffate	kg	. 0	0	0	0	0	()	Ŋ	0	0	0	. 0	0.276	0	. 0
<ol><li>Agro-chemicals</li></ol>				_		_				٠.					
Insecticides	lit	0	ı	3	2	4	4	4	4	4	4	29	18,7(0)	542	1,664
Fungicides	kg	0	0	0	0	0	()	0	0	0	0	0	25.200	0	0
4) Water	m3	4,630	4,630	4.630	4,630	4,630	4.6.4()	4,630	4,630	4,630	4,630	46,300	0.020	926	2,315
														2,222	5,376
Labour Barutaaniia														(89)	(215)
Lahour Requirement  1) Land preparation	man day	50	30	20	20	20	20		**						1202
2) Transport of seedling	man day	30 <b>S</b>	30	20 0	20	20	20	20	20	20	20	240	4.420	1,061	1,061
3) Transplanding	man day	5	- :	. 0	0	0	0	0	0	0	Ò	6	4.420	. 27	27
Fertilizer application	man-day	10		7	10	0	. 0	0 10	-	0	0.	6	4,420	27	27
5) Weeding	man day	20	20	20	20	20	20	20	7 20	? 20	10 20	82 200	4,420 4,420	362	893
6) Trimming	man day	0	3	5	10	15	- 15	15	15	15	15	108		884	2.210
7) Water management	man-day	30	30	30	30	30	30	30	. 30	30	30	300	5,780 4,420	624	1,925
8) Harvesting	man day	0	0	0	0	. 50	10	15	15	15	13	75	4.420	1,326 332	3,315
9) Post harvesting	man day	0	. 0	ŏ	ŏ	3	3	: 14	5	5	3	25	4,420	332 111	1,326
Sub-total	med cay	120	92	82	90	100	105	114	112	113	112	1.042	4.420	4.753	442 11.224
2323400		144		2.4	23	147	12	177	114	114	113	(104)		(190)	(449)
Miscellancous												(•)		(1.27)	(447/
(5% of above		59	5%	5%	5%	59	5%	5%	57	5%	5%			349	830
production cost)			•	•			<b>J.</b>			3.4				(14)	(33)
	<b>j</b>													(,,,	(33)
Total Production Cost	D.	1.020	604	560	631	697	721	289	753	753	794			7,323 (4)	12.431
	35	l •												(293)	(697)
Net Return per Ha	D.	1.020	-604	-560	-63 L	53	1,592	2.274	3,060	3.060	2.610		Taul		
(c · d)	٠.	,,,,,,	-004	5.0	1 CO-	23	1,392	2,274	3,14345	27400	3,019		Total (DJha/year)	10,240 (410)	27,319 (2,293)

OLIVE - With Project Condition

	l l	· <u>.                                    </u>		<u> </u>		Year						Total	I	Amou	
ltems	Unit	l st	2 nd	3 rd	4 th	5 15	5 th	7 (h	8 th	9 th	10 th	(10 years)	Unit Price	10 year	25 years
GROSS INCOME							4.45					(a)	(b) (D.)	(a a b) (D.)	(D.)
Production	1												1.4.	l	
Production Value	kg D.	0	0	0	0	1,400 875	4,100 2,563	5,400	6,800	6,800	6,800	31,300	0.625	19.563 (c)	83.31
		<u></u>			<u> </u>	8/3	2,303	3,375	4,430	4,250	4,250		<u> </u>	(783)	(3.33)
PRODUCTION COST								1 1			:		1		
Farm Inputs					S. 1							17.3	10 C 10 C 10 F		
1) Steds	seedling	150	. 15	0	. 0	0	0	. 0	. 0	0	. 0	165	2.000	330	33
2) FYM/Compest	Lon	3	0	. 0	3	. 0	. 0	3	0	0	3	12	R (XX)	96	2
3) Chemical Fertilizers				,			2.1	1.1				+1000	1 1 1		
- Ammonium nitrale	9.8	50	50	75	100	100	100	100	100	100	100	875	0.194	170	. 40
- Super 45 (TSP)	kg	50	50	75	100	. 100	100	100	100	100	100	875	0.265	232	6.
- Potassium sulfate	kg	25	38	38	50	50	50	50	50	50	50	451	0.276	124	3.3
3) Agro-chemicals		_				_						3.4%			
- insecticides	lit	. 0	. !	. 2	2	4	4	- 4	- 4	. 4	- 4	29	18.700	512	1,66
- Fungleides	kg.	. 0	· !				. 1	i	1	- 1	, I	9	25.200	1 227	61
4) Water	m3	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820	58,200	0.020	1,164	2,9
														2.885	2.1
	i I													(115)	(28
Labour Requirement	!														
Land preparation	man-day	50	30	: 20	20	20	20	20	20	20	20	240	4.420	1,061	1,96
2) Transport of seedling	man day	5	. !	. 0	0	. 0	. 0	0	0	Q Q	. 0	6	4,420	27	: 2
3) Fransplanting	man day	5	1	0	0	0	0	. 0	0	0	. 0	6	4.420	27	. 2
4) Fertilizer application	man day	10	8	. 8	. 10	. 8	. 8	12	. 8	8	1,2	92	4,420	407	1,02
5) Weeding	man-day	20	20	20	20	20	20	20	20	20	20	200	4,420	884	2,21
6) Trimming	mán-day	0	3	5	10	15	- 13	15	15	15	15	108	5.780	624	1,92
7) Water management	man day	20	20	20	20	20	20	20	20	20	20	200	4.420	884 .	2.2
8) Harvesting	man day	0	0	0	0	. 5	12	16	18	18	18	87	4.420	385	1.57
9) Post harvesting	man day	. 0	. 0	0	0	3	. 4	. 5	5	5	5	27	4.420	119	4.
Sub total		110	83	73	80	21	22	108	106	106	110	266		1.412	10.5
Miscellaneous		1. 1										(97)		(177)	(42
Miscenaneous 15 % of above	· .	5%	5%	***											
		2.7	3*	5%	5%	57	5%	54	59	5%	5%			365	88
production cost)				* *										(15)	(3)
Total Production Cost	b.	1.004	624	581	661	327		630	603		0.43				4955
1000 1 1000 100 C 100	U.	TVVA	Pag	261	<u>661</u>	234	221	838	803	803	847			2.667 (d) (307)	741 (741
Net Return per Ha	D.	1,004	-624	-581	-661	141	1,792	2,532	3,447	3,447	3,403		Total	11.826	64.37
(c - d) Source: Farm economy suc													(D./ha/year)	(476)	{2,5

TABLE K.2.2.1 (3) Economic Crop Budget per Ha under Without and With Project Condition

						rear						Tetal	-	Amou	
Items	Unit	l st	2 nd	3 rd	4 (h	5 th	6 th	7 (1)	8 th	ያ ነስ	10 th	(10 years)	Unit Price	10 years	25 years (D.)
GROSS INCOME Production Production Value	kg D	. 0	0	0	0	2 000 588	6,100 1,793	8,100 -2,381	10,100 2,969	10,190 2,969	10,100 2,969	(a) 46,500	(b) (D.) 11.294	(2 x b) (D.) 13.671 (c) (547)	58.21 (2,32
FRODUCTION COST Farm Inputs 1) Seeds 2) FYM/Compost 3) Chemical Fertilizers - Ammonium nitrate - Super 45 (TSP) - Potassium sulfate 3) Agno-chemicals	seeding ton kg kg kg	400 5 50 25 50	40 0 50 25 50	0 0 75 35 75	0 5 100 50 100	0 0 100 50 100	0 9 100 50 100	0 5 100 50 100	0 0 100 50 100	0 0 100 50 100	0 3 100 50 100	440 20 875 435 875	0.500 8.500 0.194 0.265 0.276	220 170 170 115 242 318	22 38 46 31 65
Insecticides - Fungleides 4) Water	tit kg m3	0 0 6,050	6,050	2 2 6,650	2 4 6,050	4 6,050	4 6,050	4 6,050	6,050	4 6,050	2 4 6,050	69,500	25 200 0,020	781 1,210 3,226 (129)	2,25 3,02 8,2 (32
Labour Requirement  1) Land preparation  2) Transport of seedling  3) Transplanting  4) Fertilizer application  5) Weeding  6) Trinming  7) Water management  8) Harvesting  9) Pust harvesting  Sub-total  Miscellaneous	man-day man-day man-day man-day man-day man-day man-day man-day	45 5 10 10 5 0 30 0 0	30 1 1 7 5 3 30 0 0	25 0 0 7 5 5 30 0 0	25 0 0 10 5 (0 30 0 0	25 0 0 7 5 10 30 10 3	25 0 0 7 5 10 30 20 6 103	25 0 0 10 5 10 30 30 8 138	25 0 0 7 5 10 30 40 10	25 0 0 7 5 10 30 40 10	25 0 0 10 5 10 30 40 10	275 6 11 82 50 78 300 180 47 1.029 (103)	4.420 4.420 4.420 4.420 4.420 4.930 4.420 4.930 4.420	1,216 277 49 362 221 385 1,326 887 208 4,680 (187)	1,2 89 55 1,17 3,3 3,8 8 11.8 (47)
(5% of above production cost)  Total Production Cost	Đ.	5% <u>100</u>	5% 585	57 <u>603</u>	5% 252	59 764	59 830	949 58	59 252	57 252	5% 1010	· .		395 (16) <u>8,301</u> (d) (332)	1,0 (4 21.1 (84
Net Return per Ha (c - d)	D.	-901	-585	-603	-757	-176	963	1,432	2,017	2,017	1,959		Total (DJha/year)	5.370 (215)	37.9 (1.48

	Project Con-					Year						Total		. Amoun	
Jiems	Unit	l st	2 nd	3 rd	4 th	5 th	6th	7 th	8 th	9 th	10 th	(10 years)	Unit Price		25 years
								7				(2)	(b) (D.)	(a x b) (D.)	(D.)
GROSS INCOME											11.000	44 300	0.294	15065.40	68.00
Production	kg	. 0	0	. 0	0	2,400	7,100	9,400	11,800	13,800	11,800	54,300	0.29	15.964 (c)	
Production Value	D.	0	. 0	´ · 0	0	706	2,087	2,764	3,469	3,469	1,469		<del>`</del>	(639)	(2,72
PRODUCTION COST						: .					- '				
Farm Inputs				2.5	100	100	- 7		1	1	5.5				
i) Seeds	seedling	400	40	0	0	. 0	0	0	. 0	. 0	. 0	440	0.500	220	2.
2) FYM/Compost	100	- 5	- 0	0	5	0.	· 0.	5	0	0	5	20	8.500	170	38
3) Chemical Fertilizers				4 . 1			100	, i i i i	1	- 1		`.			
Ammonium nitrate	kg	50	50	100	125	125	125	125	· 125	125	125	1,075	0.194	209	57
Super 45 (TSP)	3 2	25	25	50	75	75	75	75	75	75	75	625	0.265	166	. 46
Potassium sulfate	kg	- 50		100	125	125	125	125	125	125	125	1,075	0.276	297	8
3) Agro-chemicals	**												5		
Insecticides	Gi	٠ ،		3	,	3	,	2		2	. 2.	- 17	18.700	318	8
		0	:		, ž	4		- 1	- 4	4	- 4	31	25.200	781	2.29
<ul> <li>Fungicides</li> </ul>	kg		0.000	8,250	8,250	8.250	8,250	8,250	8,250	8,250	8.250	82,500	0.020	1,650	4,17
4) Water	m3	8,250	8,250	8,230	8,230	0,230	6,230	0,230	8,2,0	0,230	W. Z. J.		0.020	3.810	9.1
	]													(152)	(39
	1													1,72,	1371
Labour Requirement					**			2.		25	25	275	4,420	1,216	3.21
1) Land preparation	man day	45	30	25	25	2.5	25	25	25	53	. 6	6	4.420	27	7,2
<ul> <li>2) Transport of scedling</li> </ul>	man-day	5	- 1	0	0	0	0	. 0	·	·				49	
3) Transplanting	man-day	. 10	- 1	0	. 0	. 0	. 0	U	v		0		4.420		1.00
4) Fertilizer application	man-day	- 11	, 8	· B	11	. 8	. 8	- 11	. 8		11	92	4,420	407	
5) Weeding	man-day	. 5	5	. 5	5	ં 5	- 5	. 5	5	. 5	5	50	4,420	221	55
6) Trimming	man-day	. 0	3	5	01	10	. 10	10	10	10	10	78	4,930	385	1,12
7) Water management	man-day	20	20	20	20	20	20	20	20	20	- 20	200	4.420	864	2,21
8) Harvesting	man-day	0	0	0	0	10	25	35	. 45	45	45	205	4.930	4,01L	4,33
9) Post harvesting	man-day	0	0	0	0	3	7	9	. 12	12	12	55	4.420	243	1,0
Sub-ketal		96	68	63	71	81	100	- 135	125	125	128	972		4.44	11.5
Sur Man		2.0	***	1-2		-						(97)		(178)	(46
Miscellancous	İ												'	j	
15% of above		57	5%	5.7	5%	57	574	59	57	57	5%			413	1.0
production cest)		1												(17)	(4
	1	,			4.2.										44.4
Total Production Cost	D.	205	589	621	- 280	788	884	1.003	1.010	1.010	1.002		:	8,663 (d)	22.3
F18 1					:									(341)	(89
Net Return per Ha	Đ.	-905	-589	624	-780	-82	1,203	1,761	2,459	2.459	2,400		Total	7.301	45.6
(c - d)	1		207		1.2.17								(D./ha/ycar)	(292)	(1,82

TABLE K.2.2.1 (4) Economic Crop Budget per Ha under Without and With Project Condition

	l . •					Year						Totaț		Ameur	
tiems	Unit	1 81	2 nđ	314	4 th	5 th	6 th	7 th	8 th	9 (h	10 15	(10 years)	Unit Price	10 years	25 years
GROSS INCOME												(a)	(b) (D.)	(axb)(D.)	(D.)
Production	l kg	: 0	0	0	. 0	2.500	7,600	10.000	12,600	12,600	12,600	57,900	0.505	29,240 (c)	124.68
Production Value	D.	Ö	ő	ő	ő	1,263	3,838	5,050	6,363	6,363	6,363	27,200	""	(1,170)	(4,98
PRODUCTION COST						•									
Farm Inputs													l		
I) Seeds	scelling	400	40	0	0	0	0	0	o o	0	0	\$40	0.800	352	3
2) FYM/Compost	IUn	5	6	õ	5	ö	ō	5	ō	ō	5	20	8.500	170	3
3) Chemical Fertilizers					•		-			•	•	: "			. •
- Ammonium Nitrate	1g	50	50	75	150	150	150	150	150	150	150	1,225	0.194	238	6
· Super 45 (TSP)	l ig	25	25	35	50	50	50	50	50	50	50	435	0.265	115	. 3
- Potassium Sulfate	l ii l	50	50	75	100	100	100	100	100	100	100	875	0.276	242	6
3) Ago-chemicals	"	•	•					,	,,,,		•	*1.	111271		
- Insecticides	l tát l	- 0		2	2	2	2	2	. 2	2	2	17	18.700	318	8
- Fungicióes	1 g	. 0	i	2	4	ä	4	4	4	4	4	31	25,200	781	22
4) Water	ا دُما	6,950	6,050	6,050	6,050	6.050	6.050	6,050	6,050	6,050	6,050	60,500	0.020	1,210	3.5
.,	, ,,, <b>,</b>	4,			1,000		.,		11,1124			0,,,,,,,	1	3,426	8.
													i '	(137)	(3
Labour Requirement	i												l i	,,,,,	,,,
1) Land preparation	man-đay	45	30	25	25	25	25	25	25	25	25	275	4.420	1,216	f.2
2) Transport of seedling	man-day	5	i	0	0	0	Ð	0	0	. 0	D	6	4,420	27	
3) Transplanting	man-day	10	i	ō	0	0	0	Ö	ō	Ō	ō	ı i	4,420	49	
4) Fertilizer application	man-day	10	2	7	10	7	7	10	7	7	10	82	4,420	362	. 8
5) Weeding	man-day	5	. 5	5	5	5	5	5	5	5	5	50	4.420	221	
6) Trimming	man- <b>d</b> ay	Ó	3	5	10	10	10	10	10	10	10	78	4,930	385	
7) Water management	man-day	30	30	30	30	30	30	30	30	30	30	300	4,420	1,326	. j
8) Harvesting	man-day	Q	0	0	O	10	30	50	60	60	60	270	1,930	1,331	5
9) Post harvesting	man-day	0	0	0	O	3	7	12	15	1 15	15	67	4,420	296	1.
Sub-total	Ĭ,	105	17	7.2	80	90	114	142	152	152	155	1.132		5.212	14.
			. —									(114)		(208)	(5)
Miscellaneous			1 .											i '	
(59t of above		<b>5</b> 7	5%	5%	57	5%	5%	5%	5%	5%	5%			432	8,1
production cost)	J	- :										•		(17)	į.
1											:				
Total Production Cost	Ď.	1.027	597	603	767	2114	896	180.1	13)89	1.089	1,147			9.069 (4)	23.9
	D.	1,027	-597	-603	-767	489	2.942	20/0			4314			(363)	(95
Vet Return per Ha (c - d)	D.	1,027	•397	-00.3	101	437	2,942	3,969	5,274	5.274	5,216		Total (D./ha/year)	20.170 (807)	100.7 (4,0

						Year	<u> </u>					Totai		Amou	
Items	Unit	l st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th	(10 years)	Unit Price	10 years	25 years
GROSS INCOME	}					1.1			1 .			(2)	(b) (D.)	(a x h) (D.)	(D.)
Production	,,	. 0	. 0	0	0	2,800	8,400	11.200	14,000	14.000	14,000	64,400	0.505	32,522 (c)	138.527
Production Value	l ö. l	. 0	ő	ŏ	ŏ	1,414	4,243	5.456		7,070	7.070	01-07	1.5.15	(1,301)	(5,543
PRODUCTION COST															
Farm Inputs	14 a										100	1.0		1	1. 5.5
1) Seeds	seedling	400	40	0	. 0	0	0	. 0	0	. 0	0	440	0.800	352	35
2) FYM/Compost	ton	5	0	. 0	. 5	0	0	5	. 0	Õ	5	20	8.500	170	38
3) Chemical Fertifizers				_	-	-	·	-				- 77			
- Ammonium Nitrate	l g	50	50	150	180	180	180	180	180	180	180	1.510	0.194	293	\$i
· Super 45 (TSP)	kg	25	25	. 50	25	75	75	75	75	75	15	625	0.265	166	46
- Polassium Sulfate	1.2	50	50	100	125	125	125	125	125	125	125	1075	0.276	297	81
3) Agro-chemicals															•
- Insecticides	i Bit'	. 0	•	2	2	2	2	2	. 2	2	2	17	18,700	318	. 87
- Fungicides	kg	. 0	1.	2	4	· 4	4	4	4 .	4	4	31	25.200	781	229
4) Water	m3	8,250	8,250	8,250	8,250	8,250	R,250	8.250	8,250	8,250	8,250	82,500	0.020	1,650	4,12
•														4,026	10.12
														(161)	(405
Labour Requirement									1			1			
1) Land preparation	man day	45	30	25	25	25	25	25	25	25	25	275	4,420	1,216	1,21
2) Transport of seeding	man day	. 5	1	- 0	0.	. 0	0	0	0	0	0	. 6	4,420	27	2
3) Transplanting	man-day	10	100	. 0	0	. 0	. 0	. 0	0	. 0	0	- 11	4.420	49	- 4
4) Femilizer application	man day	11	8	8	11	8	. 8	11	. 8	8	. 11	92	4.420	407	1,00
5) Weeding	man đay	5	5	5	5	. 5	- 5	5	5	. 5	5	50	4.420	221	55
6) Trimming	тап <b>б</b> ау	. 0	3	5	10	10	. 10	10	10	10	10	78	4.930	385	1.12
7) Water management	man day	. 20	20	26	- 20	- 20	20	20	20	20	20	200	4.420	884	2,23
- 8) Harvesting	man đay	0	0	0	0	10	30	50	70	. 70	. 7Q	300	4.930	1,479	6.65
9) Post harvesting	man day	. 0	. 0	0	. 0	3	8	13	16	16	16	72	4.420	318	1.37
Sub-total		26	68	6.3	7.1	81	106	134	154	154	157	1.004		4.984	14.21
*												(308)		(199)	(569
Miscellaneous												•	•		
(5% of above		59	5 FE	5%	5%	5%	5%	5%	5%	57	57			451	1,21
production cost)	ŀ													(18)	(49
Total Production Cost	D.	1.031	602	634	792	122	925	1.111	1,120	1.170	1.228	1 .,		2.461 (d)	25.55
												· :		(378)	(1,022
Not Return per Ha (c · d)	D.	-1,031	-602	-634	-792	615	3,317	4,515	5,900	5,900	5,842		Total (D/ha/year)	23.061 (922)	113.01

TABLE K.2.2.1 (5) Economic Crop Budget per Ha under Without and With Project Condition

FIG - Without Project Con						rear						Total		Amo	
Items	Vait	1 st	2 nd	3 rd	4 th	5 th	6th	7 th	8 th	9 th	10 th	(10 years)		10 years	
												(a)	(b) (D.)	(a x b) (D.)	(D.)
GROSS INCOME Production		0	0	0	0	850	2,500	3,400	4,300	4,300	4,300	19,650	0.394	1,742 (c	33.155
Production Value	kg D	ŏ	ŏ	ŏ	ŏ	335	935	1,340	1,694	1,694	1,691		<u> </u>	(310)	(1,326
PRODUCTION COST															
Farm Inputs							_		_				1.000	410	440
I) Seeds	seedling	400	40	0	0	. 0	0	0	0	. 0	0 5	440 20	8.500	170	383
2) FYM/ Compost	ton	5	0	0	5	0	. 0	5	0	. 0	,	. 20		"	50.
3) Chemical Fertilizers				75	100	100	100	100	100	100	100	875	0.194	170	461
- Anumonium Nitrate - Super 45 (TSP)	kg kg	50 25	50 25	35	50	50	50	50	50	50	50	435	0.265	115	314
- Potassium Sulfate	ke	0	0	0	Õ	ŏ	ő	Ď	Õ	0	. 0	0	0.276	0	
3) Agro-chemicals	^*		·		•	_								,	
- Insecticides	lit l	. 0	1	2	. 2	- 2	2	2	. 2	2	2	17	18,700	318	879
- Fungicides	kg	0	i i	1 1	1	- 1	ı	1.1	1	1		9	25.200	227	605
4) Water	m3	6,050	6,050	6,050	6,050	6,050	6,050	6,050	6,050	6,050	6,050	60,500	0.020	1,210	3,02: 6,100
														2.65Q (106)	(244)
Labour Requirement				. ,									4		
l) Land preparation	man-day	45	30	25	25	25	25	25	25	25	25	275	4.420 4.420	1,216 27	1,210
2) Transport of seedling	inan day	5.	- 1	0	0	0	0	0	0	0	0	6 11	4.420	49	4
3) Transclanting	man-day	10	1	0	- 10	7	ů	0 10	0	7	10	82	4.420	362	891
4) Fertilizer application	man-day	10	- !	1	- 10	. (	,	5	. 5	5		50	4.420	221	55
5) Weeding	man-day man-day	5	3	3.	10	10	10	10	10	10	10	78	4.930	385	1,124
6) Trimming 7) Water management	man-day	30	30	. 30	30	30	30	30	30	30	30	300	4.420	1,326	3,315
8 Harvesting	man day	ō	Õ	0	Õ	-10	20	.30	40	40	40	180	4.930	887	3.84
9 Post harvesting	ยาลา-ปลุง	Ö	0	0	0	3	6	8	110	10	10	47	4.420	208	87
Sub-total		105	12	22	80	20	103	113	127	127	130	1.029 (103)		4.680 (187)	11.89 (476
Miscellaneous												•			
(5% of above		5%	5%	5%	5%	57€	5%	5%	5%	5%	5%		٠,	738	1,21
production cost)	:											•		(30)	(49
Total Production Cost	D.	1.096	591	555	648	655	221	841	<u>843</u>	<u>843</u>	902			8.068 (d (323)	19.21
					£ 40	120	264	499	851	853	. 792		Total	:326	13.94
Net Return per Ha (c - d)	D	-1,096	-593	-555	-648	-320	204	477	031	011	. 172		(D./ha/year)		(557

				1.3	7	CBI		1 7			. <u>`</u>	Total	6.32.	Amou	
Items	Linit	st	2 nd	3 rd	4 th	5 ជា	6th	7 th	8 th	9 th	10 th	(10 years)	(b) (D.)	10 years (a x b) (D.)	25 yea (D.)
GROSS INCOME Production Production Value	kg D.	0	0	0	. 0	970 382	2,900 1,143	3,900 1,537	4,800 1,891	4,800 1,891	4,800 1,891	(a) 22,170	0.394	<u>8.735</u> (c) (349)	
FRODUCTION COST Farm Inputs 1) Seeds 2) FYM/ Compost	seedling ton	400	40	0	0 5		0	0 5	0	0	0 5	440 20	1.000 8.500	440 170	4.1 38
3) Chemical Fertilizers  - Ammonium Nitrate  - Super 45 (TSP)  - Potassium Sulfate	kg kg kg	50 25 50	50 25 50	100 50 75	125 75 100	125 75 100	125 75 100	75 100	125 75 100	125 75 100	125 75 100	1,075 625 875	0.194 0.265 0.276	209 166 242	57 46 65
3) Agro-chemicals - Insecticides - Fungicides 4) Water - Funding Control - Funding	lit kg m3	0 0 8,250	1 1 8,250	2 3 8,250	2 3 8,250	2 3 8,250	2 3 8,250	2 3 8,250	2 3 8,250	2 3 8,250	2 3 8,250	17 25 82,500	18.700 25.200 0.000	318 630 1,650 3,824	81 176 4,11 9,21
Labour Requirement 1) Land preparation 2) Transport of seedling 3) Transplanting	man day man day man day	45 5 10	30 1 1	25 0 0	25 0 0	25 0 0	25 0 0	25 0 0	25 0 0	25	25 0 0	275 6 11 92	4.420 4.420 4.420 4.420	(153) 1,216 27 49 407	1.2
4) Fertilizer application 5) Weeding 6) Trimming 1) Water management 8 Harvesting	man day man-day man-day man day man-day	5 0 20	8 5 3 20 0	8 5 5 20 0	11 5 10 20 0	8 5 10 20 10	5 10 20 25	11 5 10 20 35	5 10 20 45	5 10 20 45	5 10 20 45	50 78 200 205	4,420 4,930 4,420 4,930	221 385 884 ),011	1,1 2,2 4,3
9 Post harvesting Sub-total Miscellaneous	man-day	0 96	0 68	6 <u>3</u>	0 21	3 81	120	112	12 125	12 125	12 128	55 972 (97)	4,420	243 <u>4.441</u> (178)	11.5 11.5 (44
(5 % of above production cost)	D. :	57£	5% 610	57 <del>.</del> 61)	5% 242	57 <del>.</del> 151	5 % 85Q	5% 970	57 <del>.</del> 911	5% 977	57 <del>.</del>			\$34 (33) 2,098 (d)	1.5 (- 22.3
Total Production Cost  Not Retern per Ha  (c - d)	D.	1,115	-610	64)	747		293	567	914	914	856		Total (D./ha/year)	(364) -363	(8 14.7 (5

Table K.2.2.1 (6) Economic Crop Budget per Ha under Without and With Project Condition

					RROT						IRNIP		
27.			Project C			roject Cor			Project C			Project Cor	
Items	Unit	Unit Price	Quantity		Unit Price	Quantity		Unit Price	Quantity		Unit Price	Quantity	
GROSS INCOME		(0.)		(0.)	(D.)		(D.)	(D.)		(0.)	(D.)		(D.)
Production	kg	0.113	20,500	2,317	0.113	23,100	2,610	0.208	20,000	4,160	0.208	22,500	4,68
PRODUCTION COST Farm Inputs							:				1	.:	
1. Šeeds	kg	24.100	5.0	121	24.100	5.0	121	13.500	8.0	108	13.500	8.0	10
2. FYM/ Compost	ton .	8.500	2.5	21	8.500	3.0	26	8.500	2.5	21	8.500	3.0	2
3. Chemical Pertilizer		- :										1.	
- Ammonium Nitrate	l kg	0.194	100	19	0.194	125	24	0.194	100	19	0.194	125	2
- Super 45 (TSP)	kg	0.265	100	27	0.265	125	33	0.265	125	33	- 0.265	150	4
<ul> <li>Porassium nitrate</li> </ul>	kg	0.522	0	0	0.522	0	Ó	0.522	0	0	0.522	0	
- Potassium sulfate	kg	0.276	50	14	0.276	50	; 14	0.276	0	0	0.276	50	1
4. Agro-chemicals													
- Insecticides	tie	18.700	. 2	37	18,700	. 2	37	18.700	2	37	18,700	2	3
- Fungicides	kg	25.200	4	101	25,200	4	101	25,200	4	· 101	25,200	4	_ 10
5. Water	m3	0.020	2,500	50	0,020	3.900	78	0.020	2,500	50	0.020	3,900	7
Sub-total	1	1 1		376			420			370			41
Labor Requirement								l					4
1. Land preparation	man-day	4.420	50.0	221	4.420	50.0	- 221	4,420	50.0	221.	4.420	50.0	27
2. Nursery/ sowing	man-day	4.420	0.0	0	4.420	0.0	0	4.420	0.0		4.420	0.0	
3. Transplanting/ Sowing	man-day	4,420	5.0	22	4.420	5.0	22	4.420	5.0	2.2	4.420	5.0	2
4. Fertilizer application	man-day	4,420	0.01	44	4.420	10.0	44	4.420	10.0	44	4.420	10.0	. 4
5. Plant protection	man-day	4,420	10.0	44	4.420	12.0	53	4,420	10.0	44	4,420	12.0	5
6. Hoeing / Weeding	man-day	4.420	30.0	133	4.420	30.0	133	4.420	30.0	133	4.420	30.0	- 13
7. Water management	man-day	4.420	40.0	177	4.420	40.0	177	4.420	40.0	177	4.420	40.0	17
8. Harvesting	man-day	4.420	60.0	265	4.420	70.0	309	4,420	60.0	265	4.420	70.0	30
9. Post harvesting	man-day	4.420	15.0	66	4.420	20,0	88	4,420	15.0	66	4.420	20.0	8
Icial			220.0	972		237.0	1.048	Ì	220.0	972		237.0	1.04
Miscellaneous 5 % of above cost				67	. :		23			67			1
Total Production Cost	D.			1.416			1,540			1.409			1.53
Net Return per Ha	D.			901		<del></del>	1,070			2,751	ļ		3 14

					ION						EY BEAN		
			Project Co			roject Cen			Project Co			Project Con	
<u>Items</u>	Unit	Unit Price	Quantity	Amount	Unit Price	Quantity	Amount	Unit Price	Quantity			Quantity	
GROSS INCOME		(0.)		{D.}	(Đ.)	18.0	(D.)	(0.)		(D.)	(D.)		(D.)
Production	(kg)	0.192	21,000	4.032	0.192	23,800	4,570	0.383	10,400	3,983	0.383	11 700	4,431
PRODUCTION COST						100				1.			
Farm Inputs						100							
1. Seeds	g	59.000	3.0	177	59.000	3	177	1.500	6.0	9	1.500	- 11.6	9
2 FYM/Compost	ton	8.500	2.5	21	8.500	3.0	26	8.500	2.5	21	8.500	3.0	26
3. Chemical Fertilizer					1			1:			:		
- Ammonium nitrate	kg	0.194	. 100	19	0.194	125	24	0.194	50	10	0.194	75	15
- Super 45 (TSP)	l kg	0.265	100	27	0.265	125	33	0.265	125	33	0.265	150	. 40
- Potassium nitrate	l kg	0.522	0		0.522	. 0	0	0.522	0	0	0.522	75	39
Potassium sulfate	kg	0.276	50	14	0.276	40	11	0.276	50	14	0.276	0	0
4. Agro-chemicals					1								
<ul> <li>Insecticides</li> </ul>	bt	18.700	2	37	18.700	2	37	18.700	2	37	18.700	2	37
- Fungicióes	l g	25,200	4	101	25,200	4	101	25,200	4	101	25.200	4	101
5. Water	m3	0.020	2,500	50	0.020	3,900	- 78	0.020	2,500	50	0.020	3,900	78
Sub-total	·			432			416			261			334
Labor Requirement				1 1	4.								
I. Land preparation	man-day	4.420	50.0	551	4.420	50.0	. 221	4.420	50.0	221	4.420	50.0	221
2. Nurscry	man-day	4.420	5.0	22	4.420	5.0	22	4.420	0.0	0	4,420	0.0	0
3. Transplanting/ Sowing	man-day	4.420	20.0	88	4,420	20.0	88	4.420	20.0	88	4.420	20.0	. 88
4. Fertilizer application	man-day	4.420	19.0	44	4.420	10.0	44	4.420	5.0	22	4.420	5.0	22
5. Plant protection	man-day	4.420	10.0	44	4.420	12.0	53	4.420	7.0	31	4,420	7.0	31
6. Hoeing / Weeding	mon-day	4.420	30.0	133	4,420	30.0	133	4.420	15.0	66	4.420	15.0	. 66
7. Water management	man-day	4.420	40.0	177	4.420	40.0	177	4.420	40.0	177	4.420	40.0	177
8. Harvesting	man-day	4.420	60.0	265	4.420	60,0	265	4.420	60 0	265	4.420	80.0	354
9. Post harvesting Total	man-day	4.420	15.0 240.0	66 1.061	4,420	20.0 - 247.0	. 88 1.092	4.420	10.0 207.0	915	4,420	12.0 229.0	53 1.012
Miscellaneous					l							D-4.12	444.6
5 % of above cost				75	l		78			59			68
Itelal Production Cost	D.			1.558			1.646			1.235			1.424
Net Return per Ha	D.			2,464			2,923			2,748			3,057

Source: Farm economic survey by HCA Team, 1995

Table K.2.2.1 (7) Economic Crop Budget per Ha under Without and With Project Condition

	·		<del></del>	PEI	<b>FER</b>	15.77					MATO		
	·	Without	Project C		With P	roject Con		Without	Project Co	endition		roject Cor	
kems	Unit 1	Unit Price	Quantity	Amount	Unit Price	Quantity	Amount	Unit Price	Quantity		Unit Price (D.)	Quantity	(D.)
		(D.)	****	(D.)	(0.)		(D.)	(D.)		(D.)	(0.)		(0.)
GROSS INCOME Production	kg	0.904	9,200	8,317	0.904	10,300	9,311	0.321	20,900	6,709	0.321	23,400	7,511
PRODUCTION COST							2.						
Form Inputs  1. Seeds	kg	156.200	5.0	781	156.200	5.0	781	72.500	5.0	363	72.500	5.0	363
2. FYM/ Compost	ton	8.500	2.5	2ĺ	8.500	3.0	26	8,500	2.5	21	8,500	3.0	26
Chemical Fertilizer     Ammonium Nitrate	kg	0.194	100	19	0.194	125	24	0.194	100	19	0.194	125	24
Super 45 (TSP)	kg	0.265	125	33	0.265	125	33	0.265	125	33	0.265	150	40
- Potassium nitrate	kg	0.522	0	0	0.522	. 0	Ŷ	0.522	0	0	0.522	0 50	14
- Potassium sulfate	kg	0.276	0	0	0.276	50	14	0.276	. 0	0	0.276	50	14
Agro-chemicals     Insecticides	lie	18,700	2	37	18.700	2	37	18.700	. 2	37	18.700	2	, 3,
- Insecucioes - Fungicioes	kg.	25.200	4	101	25.200	4	101	25.200	4	101	25.200	. 4	10
5. Water	m3	0.020	2,500	50	0.020	3,900	78	0.020	2,500	50	0.020	3,900	7: 66:
Sub-total		<u> </u>		1.043			1.080			624			. 20
Labor Requirement					4.420	50.0	551	4,420	50.0	221	4.420	50.0	22
Land preparation	man-day	4.420	50.0 5.0	221 22	4.420	5.0	22	4.420	5.0	22	4,420	5.0	2
2. Nursery/ sowing	man-day	4.420 - 4.420	15.0	66	4 420	15.0	66	4.420	15.0	66	4.420	15.0	64
3. Transplanting/ Sowing	man-day man-day	4 4 20	5.0	22	4,420	5.0	22	4.420	5.0	22	4.420	5.0	2
4. Festilizer application     5. Plant protection	man-day	4.420	10.0	44	4,420	12.0	53	4.420	10.0	44	4,420	12.0	5.
6. Hocing / Weeding	mán-day	4.420	30.0	133	4,420	30.0	133	4.420	30.0	133	4.420	30.0	13.
7. Water management	man-day	4,420	40.0	177	4,420	40.0	177	4.420	40.0	177	4.420	40.0	17
8. Harvesting	man-day	4,420	60.0	265	4.420	70.0	309	4.420	60.0	265	4,420	70.0	30
9. Post harvesting	man-day	4.420	15.0	66	4.420	0.81	80	4.420	15.0	66	4,420	18.0	8
Tetal			230.0	1.017		245.Q	1.083	1	<b>2</b> 30. <b>0</b>	1.017		245.0	1.08
Miscellaneous  5 % of above cost				103			108			. 82	1		. 81
Total Production Cost	D.			2.163			2.271	İ		1.723	<u> </u>	· · · · · · · · · · · · · · · · · · ·	L839
Net Return per Ha	D.			6,154			7,040			4,986			5,673

			<del></del>	LUC	ERN			[			NNA		
	· •	Without	Project C	ondition	With	reject Con	dition		Project Co			Project Con	
Items	Unit	Unit Price	Quantity	Amount		Quantity		Unit Price	Quantity	Amount		Quantity	Amount (D.)
		(0.)		(D.)	(D.)		(b)	(D.)		(0.)	(D.)		- 1.
GROSS INCOME Production	(kg)	0.055	54,400	2,992	0.055	65,300	3,592	1.904	1,400	2,666	1.904	1,700	3,237
RODUCTION COST											40.0		
Farm Inputs  1. Seeds	kg	4.300	10.0	43	4.300	10	43	2 160	20.0	42	2.100	20	4
2. FYM/ Compost	ton	8.500	1.0	9	8.500	1.5	13	\$ 500	1.0	9	8.500	1.5	13
3. Chemical Fertilizer							,		.1 -				
- Ammonium nitrate	kg.	0.194	75	15	0.194	75	15	0.194	: 75	15	0.194	75	1
- Super 45 (TSP)	kg .	0.265	125	. 33	0.265	150	40	0.265	125	33	0.265	150	4
- Potassium nitrate	lg l	0.522	0	0	0.522	0	0 -	0.522	0	0	0.522	0	_
· Potassium sulfate	kg	U.276	0	O	0.276	50	14	0.276	0	0	0.276	50	. 1
4. Agro-chemicals		18.700	· · · · · · · · · · · · · · · · · · ·	. 0	18.700	0	. 0	18.700	2	37	18.700	2	3
- Insecticides - Fungicides	lit kg	25.200	ő	Ö	25.200	ō	0	25.200	4	101	25.200	4	10
5. Waler	m3	0.020	7,500	150	0.020	11,700	234	0.020	7,500	150	0.020	11,700	23
Sub-total				249			341			386			48
Labor Requirement	1.0		1.5						20.0	88	4,420	20.0	1
Land preparation	man-day	4.420	20.0	88	4.420	20.0	83	4.420	0.0	0	4,420	0.0	
2. Nursery	man-day	4.420	0.0	0	4,420	0.0	0	4,420 4,420	20.0	88	4.420	20.0	
3. Transplanting/ Sowing	man-day	4,420	2.0	9	4,420	2.0	9	4.420	20.0	ို့ရှိ	4,420	5.0	
4. Fertilizer application	man-day	4,420	5.0	22	4.420	5.0	22	4,420	7.0	31	4,420	7.0	
5. Plant protection	man-day	4,420	0.0	0	4.420	0.0	0	4.420	10.0	41	4.420	10.0	
6. Hoeing / Weeding	man-day	4.420	0.0	0	4.420	40.0	127	4.420	40.0	177	4.420	30.0	13
<ol><li>Water management</li></ol>	man-day	4.420	40.0	177	4,420	70.0	309	4.420	45.0	199	4.420	60.0	20
8. Harvesting	man-day	4.420	60.0	265	4.420	18.0	80	4.420	15.0	66	4.420	18.0	- 1
9. Post harvesting Total	тал-бау	4,420	15.0 . <u>[42.0</u>	66 628	4,420	155.0	685	4.4.0	159.0	203	4,123	170.0	13
Miscellancous S % of above cost				41			51			54			\$
Total Production Cost	D.			921	<u> </u>		1.081		<u> </u>	1.144			1.2
Net Return per Ha	D.		005	2,071	l		2,511	<u></u>		1,522	<u> </u>		19

Table K.2.2.2 Incremental Economic Net Crop Production Value under Without and With Project Condition

(Unit : D./ha)

	PROF SANSONERS OF THE S	•						(Unit : I	
	- ,	G	ross Inco	ome			tion Cost		Net
			Unit		Farm	Labor			Production
Description				Amount	Inputs	Cost	Others	Total	Value
		(tons)	(D/kg)	(a)				(b)	(a - b)
1. Arboriculture					e eret			1 /	
1.1 Date Palm	Without Project		1.180	5,367	351	501	42	894	4,473
	With Project	5.18		6,108	475	536	50	1,061	5,047
	Increment	<u>0.63</u>		<u>741</u>				167	<u>574</u>
1.2 Olive	Without Project	4.78	0.625	2,990	215	449	33	697	2,293
· ·	With Project	5.33		3,333	286	421	35	742	2,591
	Increment	0.55		343				45	<u>298</u>
1.3 Pomegranate	Without Project	7.90	0.294	2,328	329	476	40	845	1,483
1.5 Tomegranace	With Project	9.25	0.274	2,720	390	462	43	895	1,465
	Increment	1.35		3 <u>92</u>	370	402	93	50	1,823 342
								••••••••••••••••••••••••••••••••••••••	
1.4 Apricot	Without Project		0.505	4,987	343	569	46	958	4,029
	With Project	10.98		5,543	405	569	48	1,022	4,521
***************************************	Increment	1.10		556				64	<u>492</u>
1.5 Fig	Without Project		0.394	1,326	244	476	49	769	557
	With Project	3.77		1,484	371	462	62	895	589
1	Increment	0.40		<u>158</u>				126	32
2 Vanatahlas		<del></del>				· . ·			
2. Vegetables 2.1 Turnip*/Carrot	Without Project	20.00	0.208	4.170	270	022	67	1.400	0.761
z.i rump /canot	With Project	22.50	0.206	4,160 4,680	370 414	972 1,048	67 72	1,409 1,534	2,751
	Increment	22.50 2.50	•	52Q	414	1,040	12		3,146
				er-cristen in the same				<u>125</u>	<u>395</u>
2.2 Onion	Without Project		0.192	4,032		1,061	75	1,568	2,464
1	With Project	23.80		4,570	476	1,092	79	1,647	2,923
	Increment	<u>2.80</u>		<u>538</u>	Halling overeigh Brown			<u>79</u>	459
2.4 Kindey Beans	Without Project	10.40	0.383	3,983	261	915	59	1,235	2,748
	With Project	11.70		4,481	344	1,012	68	1,424	3,057
12-12-13-13-13-13-13-13-13-13-13-13-13-13-13-	Increment	1.30		<u>498</u>				<u>189</u>	<u> 309</u>
2.5 Pepper	Without Project	9.20	0.904	8,317	1,043	1,017	103	2,163	6,154
	With Project	10.30		9,311	-	1.083	108	2,271	7,040
	Increment	1.10		994	-,			108	<u>886</u>
2.6 Tomato	Without Project	20.90	0.321	6,709	624	1,017	82	1,723	4,986
	With Project	23.40	U ZI	7,511	668	1,083	87	1,838	5,673
	Increment	2.50		803	. 500	.,003	٠,	115	688
				#.3.5	<u> </u>	<del></del>	* .		
3. Fodder Crops				· .					1 11 14
3.1 Lucern	Without Project	54.40	0.055	2,992	249	628	44	921	2,071
	With Project	65.30		3,592	344	685	52	1,081	2,511
	<u>Increment</u>	<u>10.90</u>		<u>600</u>		100		160	<u>440</u>
A Industrial Coase		<del>,</del>	<del></del>		<del></del>	<del>:</del>			
4. Industrial Crops 4.1 Henna	Wishous Designs	1 10	1.004	200	206	702			
4.1 Actina	With Project	1.40	1.904	2,666	386	703	55	1,144	1,522
Y-	With Project	1.70		3,237	481	751	62	1,294	1,943
	Increment	<u>0.30</u>		<u>571</u>	<u> </u>	1.1	<u></u>	<u>150</u>	<u>421</u>

Remark: Figures of arboriculture crops are estimated average yield and annual cost of 25 years.

Ref.: Tables K.2.2.1 (1)to (7)

Table K2.2.3 Economic Gross Production Value under Without and With Project Condition

	0.75 2.469,11 1.457,81	2,044,2 2,044,3	1.54 3.570.0 A.090.1	0,11 4,11,14 2,22,0	0.52 500.5 107.8	82.000. 0.1.00	2.7% 3.415.5 0.846	11 % 0.88	1060 1060 1060 1060	2.45 1,860.2 904.4	0.63 37.538.9 2.00.2	0.78 128.1	23.026.9
	15,527 6,47 100,497;9	4,319 8,68 28,869,4 18,032,5	25,905.6 25,905.6 26,16.1	12.97 4.481.9 2.263.8	454 4,4670 1,2602 14,2603	1,140 23,06 26,287.3 3,467.8	1,278 27,60 2,608.1	252 0.150 0.450 2.450	145402 145402 13505	CT. 25.02. 2.05.7.1 2.05.7.2 2.007.22	5,667 01,10 0,565,245 19,000,91	452 1,70 768.4 1.4610	1
	18,527 87.2 82,665.4 106,001.2	4,319 25,99 25,462.9 16,163.7	25.00 45.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	347 11.62 4.036.8 2.035.8	983 4,12 3,966.5 1,962.4	1,140 20,43 20,216,6 4,842,8	1,234 26,798.2 4,953.4	552 1027 5,666.9	1,438 9,11 13,276.9 17,002.4	20,26	5,4407 54.25) 304.025.1 16.5966.8	452 1.42 640.3	24,080
-	0.81 2.574.8	0.58 1.002.2 2.22.3	1,177 3,377.6 2,114	18.12 8.11 8.11	0.72 274.4 107.9	8.83	2 40.7.1 200.1	25.2	-0.18 752.6 680.4	2,00 5,81,8 187.1.	7.95 12,875.0 7.06.7	02H 12H,1 24K,0	7.70.1
	3,113 6,60 20,557,4	1,727 1,080.1 1,097.2	1,788 13.21 23,619.5 9,846.1	12 12 12 12 12 12 12 12 12 12 12 12 12 1	303 5.54 2,021,1 205.7	392 31.40 12.00.21	33.06 73.489.0 2.590.2	18.70 1.106.7 438.9	25.50 25.00 2.00 2.00 2.00 2.00 2.00 2.0	200 12.00 14.00 14.00 14.00 15	1,620 65,94 166,815.7 1,673.7	452 1.70 768.4 1.463.0	1
	3,113 5,70 14,092.6 21,278.5	1,727 3,83 6,647.9 4,135.2	1,778 11,34 20,281.9 3,962.2	11.46 11.40 1.202	.WS 4.82 1,846.7 222.8	202 27.40 10,741.1 2,271.2	40k 28.84 11.768.6	16.24 1,048.1 401.1	413 14.48 5.153.9 4.659.1	100 M	1,620 97,99 93,940,7 8,166.8	452 1.42 040.3	10,690
-	0.69 4,339.1 5,346.0	នទីដ	0.34 0.19 0.18 0.18	មិន្តម	0.30 71.1 28.63	85.1 7.57 2.02.1	38,1 0,835 0,891	310.0	100 de 10	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.73 16,3%,2 010 010		,
	0.500 0.21 0.710.3 04.131.4	5.0% 9.85.1 6.16.3	161 263.7 168.8 168.8	& 12 E 13	245 245 708.9 708.9	457 6.776 1.401.9	16.42 1.706.2	263 2000-3 2000-3 2000-3	25. 7.65 2.257.6 1.026.1	248 18.60 1.480.0 2.204.3	2380 24.54 155,446.3 24.92		12,130
	5.55 5.55 5.55 5.57 5.57 5.57 5.57 5.57	¥ 3.12	161 3.12 301.8 147.2	\$ 25 E	245 245 245 245 2502	457 15.17 4,016.8 1,035.1	14.54 7.54 7.50 7.50 7.50 7.50 7.50	263 6.80 1,789.7 6.80	5.83 3,797.6 3,437.0	24 16.00 13.11.5.0 13.11.0.0 2.10.0.0	2,450 44,79 130,090.A	+	001.51
	0.74 3.701.5 4.367.9	254	874	និនិង	88.1	eša	87.7 87.7 87.7	0.8 7.55 18.03	0,76 136.2	353	3.103.0 7.77.1		į
	5,036 6,44 32,404.0	7,1 2,03 2,03 0,01 0,01	\$5.50 \$7.10 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2 5 5 5 2 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	213 2.79 297.6 294.2	5 7 5 E	57 K 2 K 5 K 5 K 5 K 5 K 5 K 5 K 5 K 5 K 5	× 2 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	86.7 2.00.2.1 2.00.2.1	16.13 1.516.1 2.516.1	M11 26.02 26.751.4		10.0
	\$50% \$7.00 \$1.00 \$	E 7,48	<u> </u>	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	25.25 2.45 2.45 2.45 2.45 2.45 2.45 2.45	5 100 T	121 1,761,0 1,841	2,000 1,000	108 6.68 1,172.0	* 5 5 3	2006 2006 13006		1000
	1.08 1.001 1.001	0,81 1,708.5 1,758.5	0.81 21.35 6.025	100 100 100 100 100 100 100 100 100 100	\$ \$ A	3.03	25.23	8,118	80 S	4 1 5 G	3.88. 5.88.7		
	812 8.30 6.763.2 2.953.0	127.00 2.150.01 2.40.01	150 1,390.7 1,390.7	51 50 57 57 57 57 57 57 57 57 57 57 57 57 57	45.00. 45.00. 45.00. 45.00. 45.00. 45.00. 45.00. 45.00. 45.00.	166 2027 2027 2027	# K 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	167 2702.5 1034.9	310 3308.7 477.1	užija	72.70.1 37.570.1 3.105.4		\$339
	817 827 8478.2 8479.8	1221 8.05 17,475,0 11,12,2	81 8 E	125 19.11 2.388.7 1.206.6	124 27.7 2.739 2.730 1.231	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36. 25.51 2.601.0 2.443.	16.02 2.441.4 2.241.4	319 10.04 7.205.4	8 % S	886 59.13 52.385.4 7.881.3		8338
	1,180 DAkg (he) (com/he) (com/he) (com/he)	0,625 D/kg (fm) (com/hm) (amm)	0.294 D/Ag (ha) ((mahha) (com)	0.305 D/kg (ha) (usmaffa) (towa) (D. 1000)	O_194 DAg (tas) (cons/a) (cons/a)	0.208 D.Ag (fra) (com/ha) (som)	0.192 D.Asg (he) (const/ha) (cons)	(0.38) D.Ag (0.00) (100m/ha) (100m)	10 DA.E (lone) (lone) (lone)	0,121-D/Ag (0a) (cons/ha) (cons/ha) (cons)	6,055 D.Agt (ha) (cons/ha) (cons/ha)	1.004 D./kg (hw) (somthw) (toms)	3
	1,180 DV 1,180 DV 60 60 60 60 60 60 60 60 60 60 60 60 60	CANO CANADAR	450 MeV 20	0.50	0.79	dey.vo	0.15 24 Ashee	P. O. SHEAK COOK	0.9 Walke	O.X	0.0	1,9	Year.
	metiture Date Palm Panted Arta - Yaske - Yaske - Production - Great Enclaration Value	Pleased Area Yield Production Cove Production	Promegranate  Plusted Area  Yurid  Production  Production  Coxxx Production	pricot Yield Problemen Great Problemen	Fig / Others - Plased Area - Yeld - Produssom - Gross Produssom	2. Vegetables 2.1 Tump/Carrot • Planed Arra • Yold • Proteston • Great Proteston.	2.2 Onlow:  - Planed Area  - Veld:  - Production:  - Grost-Production:  - Grost-Production:	Kendey Beans - Planted Area - Yield - Production - Const Production	Pantet Aves Yeski Traduction Ceras Enduction Value	Planed Area Yield Production Cover, Production Vibra	Coops accen Planted Ares Yield Production Coos Product	nal Creps ferval Plantet Avea Yeski Production Cress Production Value	Total Planed Area (Da)
LAGRETITURE	1. Arterretiste 1.1 Date Pain Planted Vield Produce Produce	1,2 Olive Plante Trield Produ	1	4	51	Market I	8	3 · · · · ·	8	a a	3. Fodder Cups 3.1 Lucers • Plantor • Yield • Produx	4. Industrial Creps 4.1. Herva Plantid. / Vield.	

Table K.2.2.4 Economic Irrigation Benefit

Description	Carita Conversional	ta Convertorate		Tomes	Constraint L	T ANTIONION TO	Kehli Gavernarie	Covernorate	1	Cabes Covernorate	Covernorste	Gremont	Total  W.O Poser With Protect	Total	in the second
2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	100 M	with errored	Kramen	W CHOCK	Na Project	Ктенкси	ALC: LONG	MI CONTRACT	╁	130 1 2 1					
1,1 Date Plant Rev DAs 1,061 DAs 1		;		į				***		1111	1111	:	1000	14 497	
- Gross Production Value (D., '000) - Production Cost (D., '000)	4,000,4 4,000,4 6,000,4	078977 0.78918	1,023.2	33,473.5	34,241.4 4,241.4	4,367.9	42,775.4 5.870.0	48,131.A 6,955.5	5,356.0	21,276.5	3,303,2	29.92	104,861.2	118,587.5	13,726.5
· Met Income (Impastion Benefit)		7,095.5	887.6	28,371.3	37 1691 1	1.520.8	16.903.4	41.753	1305	8425.5	20.254.5	24590	20.9001	0521.201	11.143.8
* * * * * * * * * * * * * * * * * * *	<u>.</u>	ដ		E	Ē		3	3	1	22.	1723	į	4,319	4,319	
Production Control (D, 2000)     Production Control (D, 2000)     Met Income Perfection Security (T) (MM)	1,548,0	1,648.0	0001	i i	200	10	1385 1385 1385 1385 1385 1385 1385 1385	2.54. 2.54.	5 <b>2</b> 5	1,203,7	4,187,1	11:3	1,010,7	2042	193.9
2		THE COLUMN		e e	T CT	]	6000 F		1			1			
:	150	55. 57.1	38.0	\$ \$ \$ \$	145	13.9	167.2	161	18.6	1,748 5,962.7	1.74 1.44	418	100,9	7,616.1	1,049,8
Produceon Cost     Net Income (Interation Remedia) (D. 1000)	126.8	(34.3 (34.3 (34.3	55.5	223	8.	47.	136.0	0.0	9.5	1,510.9	5993	4.08	1,500.0	1,9724	4.88
520'1 -V'0 V'6			1	1	1	1	1	1	1						1
Plastick Arca     Cross Production Value     Cross Production Value     Cross Production	1,206.4	1307. 2007.	101.2	¥ \$	14.4	0	<b>3</b> 5	<b>\$</b>	,0	<u> </u>	된 <u>후</u> 된 9	0111	2.035 X	2.363.X	228.0
Production Cost     Net Income (Pricasion Benefit) (D. 1999)		127.8	95	5.5	32.6	17.5	9.45	8,0 8,0	2.4	116.9 5x1.2	124.9	2 6	332.5	38.1	นุรั
₹:	:		1		4	1	Ì	1	1		1	1			1
terior Value	124	124	310	213	23	1	85	88	7	×	383	1070	8	88	5
- Production Cost (C. 2009) - Net Decome firmination Benefit (D. 200)		110.5		163.8	1 1 2 1 x 5	27.0	186.9	220	125	35	26.3 4.5 4.5 4.5	\$ <del>\$</del> =	7.00 X	100K.6	8
3				:					1			-			
	\$	2		žį.	Ž.	•	457	467		265	36		1.140	1.140	
Froduction Value (D., 700)     Production Cost (D., 700)	203.5	2 4 5 6 4 5 6 4 5 6 6 4 6 6 6 6 6 6 6 6 6	5 8 5 6	78.7	7.7.7	\$ <del>1</del>	12514	1,401.9 897.8	505 53.9	2525	2,500.2	28.5	1,606.2	3,407,8	S E
ration Benefit		714	1.13 1.13 1.13 1.13 1.13 1.13 1.13 1.13	1851	<b>हे प्रदा</b>	e e	\$7.00 \$1.00	707	988	1.081.4	1.959.4	338.0	3 2300	177.18	273
1 Area		. <u>\$</u>		2	ñ		7	3		\$	Ş		E.	200	
Gross Production Value     Production Cost     Droduction Cos	* .	9324	87.6	338.2	0.180	¥ -	1,510,7	1,704.7	9.0	2.259.7	2.490.2	3305	4,953.4	2,606.3	9.49
Net Income Orneation Bene-	188.5	2658	14.2	13		ğ	3	RIG.	39	7,629.1	92181	326	101	3.571.5	8
2.3 Kindey Beans 1,235 O.As 1,424 O.As Planted Area (hs)	107	167		ž	ş		196	192	<u></u>	\$	3		Ş	\$	
you Value		9,450,1	*:00	148.7	167.7	0.61	1889 1889 1889	9.892	63.2	£01.3	45K.9	57.6	2,170,5	2,470,1	2.9.6
ncome (Irrigation Benefit)	082	122	7	ā	853	34	3000	32.5	19		7.0	13	14820	1646.1	34
2.4 Pepper 2,343 D./m 2,271 D./m Plance Area	319	319		2	3		: 95 Y	\$		413	-14	,	187	1.458	
on Value	2,895.8	3,1726	276.8	1,014.5	1.145.2	130.7	3,433,0	3,849,3	416.3	1,459,1	5 330.5	680.4	12,002.4	13.506.6	1.504.2
Net Jacone (tragation Benefit)	2,305.8	24489	ij		4	:1	000	,	) 99	2702.E	440.1	3	1,153.7 1,153.7	10.1973	188
<b>2</b>	<u> </u>	ន		\$	Z		7,	248	•	302	80		E	Ē	
Gross Production Value (D., 500)     Production Cost (D., 200)	2,117.5	2330.4 410.0	0 K	5,15 1620	486.8 172.3		1,321.0	454.9	27.6	1262	381.5	187.1	5,152.3	5,756.7	\$ 5
Not Income Grandation Benefit (D. 1000)	1733	1910.5	i i	2002	114.5	250	597.7	1 022 1	7 12	97.79	1.087.9	1240	1,820.4	4 378.0	3174
1901 and 150	-	į	• .	. ;		•			·· <u>, ,</u>	. !			4	:.	
- Cross Production Value (D., 000)	-	3,100,4	203.1	1,000	1,671.3	170.7	7.04K.1	28.5 5.05 5.05 5.05 5.05 5.05 5.05 5.05 5	90106	5.1620 8.166.8	02V.	708.7	7.00 A	5.007	2006
Not Income (Impation Benefit) (D. 100)		2.06.7	141.7	1.014.7	335.6	5 5 5	2,624.8 6,021.1	1,062	437.3	1,492.0	1,751.0	2.607	5,219.2	6,100.4	2072
Į,															
tod Area										452	452		452	452	-
Production Cret (D., 900)  Not factoring (Impation Benefit) (D., 900)			······································				:			517.1	284.8 24.8 4.8	0.0	1,219,0 1,712 1,012	0 4 4	1 6 6 1 6 1
ı	<del> </del>	5.399		1050	6.501		12.130	12,130		10,690	10,640		(Me) 4	9	
	3.206.	50,748.4 (4,123.4	57.7.5	A,102.3	7,171.6	2. 8. 6. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	39,629,7	67,014.R 14,247.5	1,383.1	30,048.2 10,440.8	11,668,6	37	178,528,6 34,281,3	201,553.5 78,846.8	23,020.9
Kennerk W/O Present Without Present Continue	1	Target Co.		EKIKIK.	35.53.Z	2522	STITE.	2.767.1	2 SW 7	39.507.4	67073	5,094.5	194.2423	162,708.7	12401.4
	MGI . MENTOD THE	als Authors that a	-										٠		

Table K.2.3.1 Construction Schedule by Oasis

				,			20	30	I Code			19	19	19	20	(Unit : ha	20
Code	Name of Oasis		19 97	19 98	19	20 00	20 01	20 02	Code No.	Name of Oasis	Area	97	98	99	∞ ∞	01	02
No.	Name of Oasis	Area (ha)	- 47	70	- 23		. V1	- 02	140	LATING OF CORNER	(ha)						
Galsa G	overnorate	tura)	1			- 1			Kebii G	steroorate					- :		
	Kasba	698		140	209	209	140			Goeliada	103			51	52		
F· 2	Sud Owest	703			143	210	210	140		Kelwamen	47			47			
F 3	El Gueltar	450			135	130	135		KB - 42		92			92		H	
F 4	Lalla	700			140	210	210	140	KB - 44	Sidi Hamed Atilet	220			110	110	-	
F 5	El Ksar	578			<del></del>	178 56	230	170		Dons	280			110	140	140	
F 6	Oucd Shili	56				65			KB - 46	El Ghoula	75				75		
OF . 7	Thelia Segdoud	217				108	109			El Golaa	65				65	- 3	
or a	Sub-total (8)	3,467	0	140	627	1,216	1,034	450	KB - 48		111				56	55	
Cozeur (	Governorate								KB-49		: 90			ļ	90		
	Tozeur	929		185	186	186	186	186	KB - 50		97				. 97	- 60	
rz 1	Kastilia	50		50						Zaafrane	101				51 80	50	
	Oued El Koucha	62		62						Bouhamza Kon Chilonn	- 80 100	<u> </u>			50	50	
	Neflayette	72		72 90						Ksar Ghilane Sakkouma	80				80		
7 5	Chemsa Helba Est	90 75		75					KB - 55		777				77		
Z - 1		<del></del>		50						Dhomrana	45				45		
Z 8		40		40		1			KB - 57	Smide	64				64		
rz 9		167		83	84					Ghidma	80					80	<u> </u>
rz - 10	fon Chabbat 3	325		162	163		ļ	<u>                                      </u>	KB - 59		60			}i	<u></u>	60 87	
1Z - 11		852	<u> </u>	ļ	170	256	256	170	KB - 60	El Facuar 1	87 80	ļ	ļ			80	
TZ - 12		40	<u>-</u> -	<b> </b>	120	120			KB - 62	El Faouar 2 Bechni	100	<b>}</b>			<del>                                     </del>	100	-
	The Chabbat 1	240	l	<b> </b>	120	136			-	Dergine	72		<b>}</b>	i		72	1 (3)
TZ - 14 TZ - 15		198	<del>-</del> -		99	99				Matrouha	100		<del>                                     </del>			50	- 5
	Hazoua I	12			72					Regim Maatoug I	104	1	Ī			52	5
TZ 17		48	i — -		48				KB - 66	Regim Mantong 2	96			[		96	_ :-
<del> </del>	Hazoùa 3	238			73	95	70	<u> </u>	KB - 67	Tartayet Elma	52	l	<u> </u>	1 - 220	4 - 22	52	10
	Oued Loghrissi	78	ļ	<u> </u>	78		<u> </u>		7.4	Sub-total (67)	7,113	<del>0</del>	2,079	2,420	1,508	1,104	10
	Tozraria	48	<b> </b>			48	ļ	<b>!</b>		overnorate Ain Zrig	140		70	70			
12 - 31		55		<u> </u>	<u> </u>	55 52	52			Temoula 1	40		10				
	Dehoumes	104 822			154	247	247	164		Temoula 2	20		20				
TZ 23	Degache Chakmou	90	<b></b>	1		90	1			Zrig Dakhlania	30	T	30			25, 27	
	El Hamma	400	1			120	160	120		Teboulbou	520	L	104	156	156	104	
	Tamerza	80		1		80				Oasis de Gabes	734	↓	146	147	147	147	14
	Chebika	23				23	ļ		GB - 7		148		148	<u> </u>			
	Foum El Khanga	48	<u></u>		<u> </u>	48	<u> </u>		GB · 8		#0 31	<u>·</u>	40 31	<b>!</b>	<u> </u>		<b> </b>
	: Mides :	29		ļ	ļ	29	ļ			Chott El Ferik Bouchamma	143		72	71			
TZ - 30	Ain El Karma	25	1		1,433	1,709	971	640	G8-10	Mahjeub	314	l		187	187		<del>                                     </del>
Value (	Sob-total (30) Covernorate	5,622	T	869	1,433	1 27.47	ī	1	GB - 12	Salem	99	1	†	99			Í
	Bechri	162		81	81	1			G8 - 13		72		1	72			
	Bouabdallah	270		135	135	l	į		GB · t4	Faycal	260		ļ	130	130		
	Fatnassa	205		103	102		1			M' ziraa Ghannouch	280		1	140	140		Ì
	ElGüz	94		94			<b>!</b>	J	GB - 16		268 263	l	<del> </del>	134	134 131		<u> </u>
	Menchia	140	<u>.</u>	140	<del> </del>	<u>.                                    </u>	ļ	1	GB - 18		232	ļ	<del>1</del>	116	116		
	Nagga	181 162		91	90		-	1	G8 - 19		57			57			
	Oura Somaa Oued Zira	176	ļ	88	88		<del> </del>	<del> </del>		Chenchou 2	40	1	1	40	ļ		[
	Outed Touati	62	ļ	62				1	GB - 21		32		J	32			
	Tenchig	54	1	53			Ì	1. 1	GB - 22	Hamma Oasis	400			80	120	120	8
	Zaouiet El Ancs	125	1	63	62		1	1		Mziraa Hamma	80	+		80	<del> </del> -	ļ.—	ļ
	Zaouiet El Harth	81		81		L	ļ	ļ		Bechima 1	280	4	-	140	140		<del> </del>
	Ziret Louhichi	86		86		]	<u> </u>	<del>-</del>		Bechima 2	290 96		<del> </del>	96	1 143	<b> </b>	<del> </del>
	Chouchet Nagga	26		26		<del> </del> -	<del> </del>	+-		Khebayet Ben Ghilout	180		1	90	90	<b> </b>	1-
	Guataya	133		15			1	<del> </del>		Glib Dokhane	70		1	70	T		
	Jedida Mansoura	86		86			-			Oued Nekhla	30			30			
	Rabia	162		11		12	1	1	GB - 30	Arram	163	1			92	81	1
	Telmine	240		120	120		1			Mareth I	100		<u> </u>	ļ	50	50	<b> </b>
XB - 20	Tembib	118		59	59	1	!	<u> </u>		Mareth 2	180		<u>-</u>	<b> </b> -	54	12	ļ:
KB-2	Tombar	127		64		1	1	ļ		Mareth 3	30		<del> </del>	1	30 58	57	<del> </del>
	Limagues	57		57		<del> </del>	<del> </del>			Mareth 5 Mareth 6	115 88		+	<del> </del>	88		1
KB - 2	Mazraa Neji	66		55		<del> </del>	<u> </u>	+		Zarat 2	174		+	1	87		1-
	Ourn El Farth 1 et 2	55		1 33		<del> </del>	1	+		Zerkine 1 et 3	116		1	1	58		Í
	S Saidane			30		1	f			Zerkine 2	156		1	1	78	78	
	Barghouthia	- 30 52	1	52				1	G8 - 39	Ayoune Zerkine	30			1	30		1
KB - 2	Bazma	146		T	: 73	73			GB - 40	Madssia	58		ļ	<b>_</b>	58	+	1 -
	B'chelli	135			68		1	1		Kettana I	98				98		+
KB - 3	) Blidette	75		4	75		1			Kettana 3	140			<del> </del>	63		
	1 Zarcine	№			70		· <b> </b>			Kettana 4	125	. <b></b>	·	1	60		
	2 Jemna	113		<del> </del>	56 81		-	+		Sidi Sellam Zrig Barrania	71		1	1	71	0	<del></del>
	Mtouria	<u>81</u> 95			95		·	1		Ghandri	X			1	30		1
	Msaid Rahmat	85			85		1	<del> </del> -		Laaradh i	35		]	1	0		1
	6 Ras El Aln	268			81		B(	1		Learath 3	55				0	- 55	1
		65		1	65		1			Sub-total (48)	7,133		701	2,314	2,701	1,136	2
	1 Souk El Baiez	0.3															
KB - 3	Souk El Baiez  Ben Zitoun I et 2	147		1	14					Total (153)	23,43		3,789	_	3.3	12.0	1. 41

Table K.2.3.2 Disbursement Schedule of Project Cost

Code																		.000)
			Project	19	19	19	20	20	20	Code		Project	19 97	19 98	19 99	20 00	20 01	.20 02
No.	Name of Oasis	Area (ha)	Cost (D ,000)	97	98	99	00	10	02	No. Name of Oasis	Area (ha)	(D. ,000)	71	75	379		- 01	- <del></del>
Cafsa Ci	RDA	Vari	,	٠.						Kebili CRDA								İ
GF - L		698	1,268	64	241	. 36 i	361	241		KB-40 Gueliada	103	250		9	125	126		
	Stat Ouest El Guettar	150	1,620	- :	66 42	313 373	456 498	466 374	<u> 30</u>	KB-41 Kelwamen KB-42 Klibia	92	225 267		4 9	221 258			
		100	1,595		65	306	459	459	306	KB-43 Sidi Hamed	100	239		10	229			
CF - S	ED Ksar	578	1,133			54	323	432	324	KB-44 Atlet	220	872		21	426	425		
	Oued Shifi	56	666	·	l	6	160			KB 45 Douz	280	778 292	···		26 7	376 263	376	<del> </del> -
GF · 1		217	350 853			- 6 20	344 417	435	-	KB-46 El Choufa KB-47 El Cofaa	75 65	274			6	268		
4	Seb-total (8)	3,467	8,272	64	414	1,437	3,928	3,388	941	KB-48 Crad	111	712	7		10	351	351	
Tozens (		1.2		i	ν.		13.	,		KB-49 El Histy	90	135			В	127		<b></b>
TZ - 1		929 50	2,286	5 89	561 133	559	559	559	559	KB-50 Nould KB-51 Zaafrane	97	271 128			9	262 59	59	<u> </u>
	Oued El Koucha	62	197	- 6	191					KB-52 Bouharura	80	290		- <del>-</del> -	7	283		
	Neffayette	72	205	7	198					KB-53 Ksar Ghilane	100	450			10	220	220	
	Chemsa	90	251	8	253				<u> </u>	KB-54 Sakkouma	80	454 300			7	293		
	Helba Est Helba Ouest	75 50	362 114	5	109					KB-55 Tarfaya KB-56 Dhomrana	77 45	193			5	188		
12 1		40	156	4	152					K9-57 Smids	54	206			6	200	117	
12- 9		[67	667	17	325	325				K6-58 Ghidma	80	169				1	162	
		325	1,570	31	779	783	434	674	416	KB-59 Sahria KB-60 El Faouar 1	87	317				6	311 301	<u> </u>
12-11	Nefta Ghardgaya	40	2,162 163		81 4	417 159	624	624	110	K8-61 El Faxoar 2	80	275				;	268	<del> </del>
	Ibu Chabbat 1	140	200		23	339	338			KB-62 Bechni	100	299				10	289	
TZ - 14	Ibu Chabbat 2	272	1,211		26	593	592			KB-63 Dergine	72	368					361	<del>, 1</del>
		198	93 389		19	37 382	37		÷	KB-64 Matrouha KB-65 Regim Maatong I	100	401				9	196 2!6	19 21
	Hazona t Hazona 2	48	199		4	195	$\vdash$			KB-66 Regim Maaroug 2	96	194				9	285	<del>- 1</del>
TZ-18	Hazoua 3	238	928		22	271	363	272		K8-67 Tarfayet Elma	52	190				- (	186	
	Oued Loghrissi	78	357		8	. 349				Sub-total (67)	7,213	25,761	294	8,042	8,058	: 5,104	3,850	41
TZ - 20		55	192 300			5	188 295			Gabes CRDA GB+1 Ain Zrig	140	283	- 13	135	135			ĺ
	Dahoumes	104	438			9	215	214		G8 - 2 Temoula I	40	104	4	100				
TZ - 23	Degache	822	2,718		77	527	793	793	528	GB - 3 Temoula 2	20	112	2	110				
	Chakmou	90	227			. 8	219			G8 - 4 Zrig Dakhlania	30	122	49	120 421		631	420	-
TZ - 25	El Hamma	400 80	488			37	325 F	433	324	GB - 5 Tebouthou GB - 6 Oasis de Cabes	<u>510</u> 714	2,152	69	365	631 363	363	363	36
TZ-27		23	91			2	89			G8 - 7 Limaoua 1 et 2	148	628	14	614				
	Fourn El Khanga	48	212			4	208			GB · 8 Mildon	40	204	14	200				
17.19		- <del>29</del>	79			3	76 115			GB - 9 Choit El Ferit. GB - 10 Bouchamma	143	52 246	· 3	49 116	116			
	Ain El Karma Sub-total (30)	3,622	18,759	179	3,327	5,014	5,517	2,895	1,827	GB-11 Mahkub	374	1,270		34	618	618		
Кеви С					V					GB-12 Salem	99	379		10	369			
KB - 1		162	297	15	391	391				GC 13 Shoul	72	337		7	330			-1.5
KB· 2	Bousbdallah	270	1,027 628	25 (9	305	501 304				GB-14 Fayou GB-15 M ziraa Ghannouch	260	982 1,365		24 26	669	479 670		<u> </u>
KB · 4		95	4+2	9	433					GS-16 Metouia	268	794		25	385	384		
KB - 5		140	786	13	77)					C8-17 Overher	263	1,033		25	504	504		
KB - 6		181	461	- 16	222	223				GB-18 Apulacite	232	748 243		23	363 238	362		
	Oura Somea Ouco Zira	152	507	17	275	411 275		<u></u> -	f	GB-19 Chenchou I GB-20 Chenchou 2	40	190		5	186			
	Onled Touali	62	231	6	225			ςž,		CB-21 Tekowi	32	189		3	185			
KB 10		94	219	5	214					GB -22 Hamma Oasis	400	1,383		37	269	404	404	26
	Ziouid El Anci	125	278 329	11	133 321	134		<del>-</del>		GB -23 Mziraz Hamma GB -24 Bechima 1	280	1,020		7 26	338 497	497		
	Zicula El Harth Ziral Louhichi	81	289		261		-	-		GB-25 Bechima 2	290	1,020		27	381	581		l
KB - 14	Chrochet Nagga	26	88	2	85					G8 - 26 Khobayes	96	192		9	183			
	Geataya	150	305	14	145	145	<u> </u>		<b> </b> -	G8 -27 Beg Ghilouf	180	225		15	104	105		<u> </u>
KB - 16 KB - 17	Jedida Mansoura	133 86	731 494	8	359 485	359	<b>-</b>	<del></del> -		GB -28 Glib Dokhane GB -29 Qued Nekhla	30	65		7	63			-
KB · IA		152	682	15	333	334		l		GB-30 Arram	163	866	1		15	425	426	
KB 19	Telmine	240	1,097	23	537	537				GB-31 Mareth I	100	433			10	222	221	
KB 20		118	319	11	290	169 290			<b>!</b>	GB -32 Mareth 2 GB -33 Mareth 3	- 180 30	869 133			17	255 131	341	25
KB - 21	Tombas Limagues	127 57	591 198	1 <u>1</u> 5	193	£97.1	}			GB-34 March 5	115	824		<u> </u>	10	407	401	
	Малгая Neji	66	348	6	342	1				GB -35 Mareth 6	88	299			1	291		
KB -24	Ourn El Facth 1 et 2	55	29	5	14				ļ	GB-36 Zarat 2	174	850			16	417	417	<u> </u>
KB -25		30	- 154 89	<u>8</u> 2	146 87	<del> </del>	<u> </u> —	<u> </u>	ļ	GB-37 Zerkine Let 3 GB-38 Zerkine 2	155	630		,	11	118 308	307	<del>-</del> -
	Saidune Barghouthia	52	129		125	<del> </del>			<del></del>	GB-39 Ayoune Zerkine	30	90	l	<u> </u>	2	88	j	
K8 -28	Bazma	146	473	l	15	229	229		<u> </u>	GB 40 Madssia	58	221				216		
K8 -29	B'chelli	135	512		14	249	249		ļ	GB 41 Kettana I	98	429	<b> </b>	<u> </u>	9	420		ļ.,
	Blidette Zaruine	75	<u>202</u> 184		7	195			<del> </del>	GB-42 Kettana 3 GB-43 Kettana 4	140 125	583 482		}	13 11	285	215	
KB - 32		112	116			53	52		<del> </del>	GB 44 Sidi Sellara	120	339		<del> </del>	11	164	164	<del> </del>
	Micuria	11	158	1	8	150		<u> </u>		GB-45 Zrig Barrania	71	218			1	263		
KB-34	Msaid	95	316		. 8	308			ļ	GB 46 Ghandri	30	119		<u>                                     </u>		117		<u>_</u> ,
	Ratinat Rat El Alb	- B5 268	299 921		- 8 25	291 269	358	269	<del> </del>	GB-47 Laradi i GB-48 Earadi 3	35 55	185	<b> </b> -	ļ		- 4	181 230	
	Sout El Baica	65	193		6		335	- 207	<del> </del>	Sub-total (48)	7,133	25,976	174	2,547	7,930	9,917	4,120	
KB II			473	i	13		230	1	1	- <del> </del>								
KB-37	Ben Zitarin 1 et 2	147	279			270				Total (153)		78.762		1.0	22.439	2 4		

Table K.2.3.3 Economic Project Cost, O/M Cost and Irrigation Benefit

		1.		4.15.2					na in the second		1.15	1 2	<u> </u>		<u> </u>	
Code		[	Projec	1 Cost	0M	Cost	imigation	Beaclit	Code			Cost		Cost	Irrigation I	
No	Name of Oasis	Area	Total	per ha	Total	per ha	Total	per na	No Name of Oasis	Ana	Total	perha	Total	регав	Total	per ha
100		(ha)	(000,G)	(D.fu)	(308,.43)	(D.h.z)	(D.000)	(D.Am)		(ha)	(OOO, G)	(D.ha)	(D.,000)	(D/ha)	(000, d)	(D.ha)
	overnorate	300	311.5		20	1 44	20.00		Kebili Covernorate	103	110	2,524	2.8	27	916	889
GF . I		698	1,268	1,817	14.5	_31	120.5	602	KB 40 Oucliada	47	260	4,787	21	45	50 8	1,081
CF · 2	Sad Ouest	703	1,630	2.301	17.3	25	640 \$ 461 4	912 1,025	KB-41 Kelwanien KB-42 Khbia	92	267	2,902	2.8	30	39.0	424
GF · 3	El Guettar	450	1,287	2.860 2.279	17.1	29	451.7	660	K8-43 Sidi Hamed	100	239	2,390	2.6	26	73.3	733
GF · 4	Laife	700 578	1,595	1.960	12.6	22	381 2	660	KB-43 Sid Nade	220	872	3,964	8.5	39	169.6	771
GF · 6	Oucd Shilli	56	156	2.964	1.7	30	52.7	941	KB-45 Douz	280	378	2,779	8.2	29	155.0	664
GF · 1		65	3.50	5,385	3.2	49	69.8	1,074	KB 46 El Ghoula	75	292	3,893	29	39	19.7	263
	Segdoud	217	853	3,931	8.2	38	354 2	1,632	K8 47 El Golsa	65	274	4,215	2.7	42	19.8	305
	Seb-total (8)	3,457	8,272	2,385	87.7	25	2.842.3	820	KB 48 Grid	111	712	6,414	6.5	59	17.0	423
Tozeur (	Covernorate	I					3		KB-49 Ellfsay	90	135	1,500	1.7	19	42.1	458
124 1		929	2,885	3.107	29.5	32	645.4	695	KB-50 Nouici	. 97	: 271	2,794	2.9	30	85.3	879
TZ. 2	Kastilia	50	133	2.750	1.5	30	32 0	540	KB-51 Zaalrane	101	128	1.267	1.7	17	7.4	73
1Z · 3,	Oved El Koucha	62	197	-3,177	2.0	32	33.2	535	KB-52 Bouhamza	80	290	3,625	2.9	36	58.1	726
TZ· 4	Neflayette	72	205	2,847	2.1	29	39.2	544	KB-53 Ksar Ghilane	100	450	4,500	3	43	75.7	<del>-757</del>
TZ - 5	Chemsa	90	<u>761</u>	2,900	2.7	30	37.5	157	KB-54 Sakkouma	80	454	5.675	2.9	53	31 O 13.9	388 181
TZ- 6	Helha Est	75	362	4.821	3.4	45	72.6	968	KB -55 Tarfaya	77	193	1,896 4,289	1.9	38	30.3	673
TZ- 7		50	114	2,280	13	26	25.9	1 205	KB - 56 Dhomrana KB - 57 Smida	64	206	3,219	2.1	- 33	40.7	636
7Z- 1	Jbim I	40	156	3,900	1.5	38	55.8 121.3	726	KB -58 Ghidma	80	169	2,113	1.9	24	55.7	696
1Z- 9	Jhim 2	325	667	3,994 4,892	$-\frac{6.5}{15.0}$	46	54.3	167	KB 59 Sabria	60	317	5,283	3.0	50	91.1	1,518
TZ-10 TZ-11	Ron Chabbas 3 Nefta	852	2,162	2,538	23 2	27	803.9	944	KS 60 El Faouar 1	87	309	3,552	3.1	36	75.4	867
TZ-12		40	163	4,075	1.6	40	33.3	833	KB 61 El Faouar 2	50	275	3,438	28	35	45.0	563
TZ - 13	Iba Chabbat I	240	700	2,917	7.3	30	65.8	274	KB 62 Bechni	100	299	2,990	3.1	31	68.5	685
72-14		272	1,211	4,452	116	43	73.2	269	KB-63 Desgine	72	368	5,111	3.5	49	8.9	124
72-15	Draa Sud	198	93	470	21	11	12.3	62	KB-64 Matrouha	100	401	4,010	3.9	39	93.7	937
12-16		72	389	5,403	3.6	50	66.4	922	KB-65 Regim Maxioug 1	104	442	4,250	4.3	41	629	605
12-11	Hazous 2	. 45	199	4,146	1.9	40	61.8	1,288	KB 66 Regim Maidoug 2	96	294	3,663	3.0	31	46.4	483
	Hazoua 3	238	928	3,899	9.1	38	284.6	1,196	KB 67 Tarfayet Elma		190	3,654	3614	37	39.0	750 775
	Oued Loghrissi	-7B	351	4,577	34	- 44	57.7	740	Sub-tatal (67)	7,213	25,761	3,571	257.4		5,588.7	//3
	Tozravit	48	192	4,000	1.9	40	33.8	704	Gabes Governorate	140	283	2,021	3.4	24	82.7	591
TZ - 21		. 55	300	5,455	- 28	51	56.8 85.8	825	GB 1 Ain Zrig GB 2 Terreula I	40	104	2,600	- 33	28	16.7	418
7Z-22		104	438 2,718	3,307	27,4	40 33	662.9	806	GB 3 Temoula?		112	5,600	11	55	16.8	840
TZ-23		822	227	2.522	2.4	77	55.4	616	GB - 4 Zzig Dakhlania	30	122	4,067	12	40	18.4	613
TZ - 24 TZ - 25		400	1,119	2,793	11.7	79	376.7	942	GB - 5 Teboulosu	520	2,152	4,138	21.3	41	511.3	983
	Tanerra	80	468	6,100	4.5	56	51.5	644	GB - 6 Ousis de Gabes	734	1,886	2,569	20.8	28	634.0	854
12-27		23	91	3,957	0.9	39	6.7	291	GB - 7 Limaoua I el 2	148	628	4,243	6.2	42	141.6	957
	Four El Khanga	48	212	4,417	2.0	42	13.0	271	GB 8 M dou	40	204	5,100	1.9	48	36.5	913
TZ - 29	Miles	29	79	2,724	0.6	28	8.5	293	GB - 9 Chott El Ferik	31	52	1,677	0.7	23	15.5	
TZ - 30	Ain El Karma	25	117	4,680	<u> </u>	44	8.6	344	GB-10 Bouchamma	:43	216	1,720	3.1	22	83.0	580
	Sub-total (30)	5,622	18,759	3,337	189.0	34	3,935.9	700	GB-11 Mahjoub	374	1,270	3,396	13.1	35	390.6 85.3	1,044
	Covernorate			4000	١.,		ممند	879	G8-12 Salem	99 72	379	3,828 4,681	1 33	45	83.1	1,154
	Bechri	162	797	4,920	7.5	<u>46</u> 37	142.4 234.0	857	G8-13 Shoul G8-14 Fayeal	260	983	3,777	9.9	38	212.5	817
	Boushdallah :	270 205	1,027 628	3,804	10.1	32	94.4	450	GB -15 M zima Ghannouch	280	1,365	4,875	13.1	47	254.1	908
	Falnassa El Chaa	94	412	4,702	12	45	901	959	GB 15 Metouis	268	794	2,963	8.4	31	238.9	891
	Menchia	140	766	5,614	73	52	201.7	1,441	GB-17 Ouedhref	263	1,033	3,928	103	39	431.8	1,642
KB - 6		181	461	2,547	5.0	28	126.8	701	GB-18 Apuinene	232	748	3,224	7.B	. 34	145.7	<u>- 628</u>
KB · 7		162	137	5,167	7.9	49	195.9	1,209	GB -19 Cheachou I	57	243	4,263	2.4	42	45.8	-821
KB · §	Ourd Zira	176	567	3,222	5.8	33	189.8	1,978	GB -20 Chenchou 2	40	190	4,750	1.8	45	31.8	795
KB 9		62	231	3,726	2.3	32	83.1	1,140	GB -21 Tekouri	32	189		1.3	56	45.4	1,419
	Tenchig	54		4,056	2.5	39	62.3	1,154	GB -22 Humma Ousis	400	1,383	3,458	142	36	438.2	1,221 3,116
	Zavulet El Anes	125	278	2,224	3.1	25	93.0	744	GS 23 Mzirza Hamma	280	345	4,313 3,543	3.4 10.4	37	89.3 137.6	491
	Zavuiet El Harth	Bi			3.2	40	128.9		G8 - 24 Sectiona 1	290		4,100	11.8	- 31	291.1	1,004
	Ziret Loubichi	85			2.9	34 35		657 712	GB - 26 Khebayet	96		7,000	73	24	42.9	\$47
	Choughet Nagga Gustaya	- 26 150			3.5		1318		G8-27 Sen Chilouf	180		1,250	3.2	18	63.8	354
	Jedida	133			6.8	- 23	137.6		GB -28 Glib Dokhane	70			1.9	27	24.7	353
	Mansoura	86			46		127.9	1.487	GB -29 Oued Nekhla	30			0.8	27	16.9	563
	Raina	163			6.6	41	149.6		GB-30 Arram	(63	866	5,313	8.2	50	126.5	776
K8 -19	Telmine	240			10.5	44	249.8		GB - 31 Mareth I	100			4.4	44	17.3	713
KB -20	Tembib	118	349	2,958	3.6	31	62.8	532	GB -32 Mareth 2	150			8.4		190.3	1,057
KB 21	Tembar	127			5.6	44	106.6		GB 3) Marcth 3	30			13	43	18.4	613
	Umaguès	57			2.0	35	41.3		GB 34 Mareth 5	115			7.5	- 65	172.7	1.502
	Mazrea Neji	- 66			3.3		63.2		GB ·35 Mareth 6	88			- 1 3.1	35	82 2 128.7	934
	Oum El Farià 1 et				10	. 15	28.2		G8 -36 : Zard 2	174			2.9	25	48.4	117
	Stiftimi	82			1.3	53	27 2		G8 - 37 Zerkine 1 et 3 G8 - 38 Zerkine 2	116			63	40	88.6	568
	Saidane	30 52			0.9	30 27	47.4		GB-39 Ayoung Zerking	30			10	33	17.6	587
	Barna Barna	146					82.6		GB 40 Madssia	58			2 2	38	9.3	160
	B'chelli	135			3.1		101.4		GB 41 Kettuna I	98			4 2	43	97,9	999
	Blidene	15			22		76.7		GB 42 Kettana 3	140	•		5.8	41	95.1	679
	Zarcine	70			2.0		79.4		GB 43 Kettana 4	125			4.8	38	96.5	172
	- Jenina	112			17		27.0		GB -44 Sidi Sellam	120	339	2,825	3.7	31	95.0	792
	Missuria	81			1.8	. 22	53.5	665	GB-45 Zrig Barrania	71				32	29.1	410
	Msaid	95	335	3,326	3.2	34	1123		G8 45 Ghandri	30				40		
KB 35	Rahmat	85				35	55 5		GB 47 Landi I	35			1-4		19.7	<u>563</u>
	Ras El Ain	268			93				GB 48 Luarath 3	55			23	1 42		
	Souk El Baice	65							Sub-total (48)	7,133	25,976	3,642	264.0	31	6,094.5	854
	Bea Zittiyan 1 et 2									23 41 4	10 44	1 14	758.1	. 34	18451.4	700
	Boutziac	94					52.7	\$55	Total (153)	23.535	78.765	77.	110.1	21	Freedra	783
Ref.: A	Innex H Tables H.2	Z 2 and H.	2.3.1, Tab	ics K 2 2 (	and K 2	5.2			\$							

Table K.2.4.1 Economic Cost and Benefit Stream for 4 Governorates

: ,	- Gafsa	Governora!	e 8 Oases			(1 le	ir D. (000)		Tozeur	Governora	us Vi Ose	ès -		dia	it D , (000)
		Project	OM.			Imigation	,,,,,,,	L	1	Project	O/M			Irrigation	1 - 1
Νo	Year	Cost	Cost		Total	Benefit	Balance	No	Үсаг	Cost	Cost		Total	Benefit	Balance
		(1)	(b)		(c)	(d)	(c · d)	140	- <del>""</del> -	(3)	(b)		(c)	(d)	(c 0)
انا	1997	64.0			64.0	0.0	-610	1	1997	179.0			179.0	0.0	129.0
2	1998	414.0			414.0	0.0	414.0	2	1998	3,327.0	0.0		3,327.0	0.0	-3,327.0
3	1999	1,437.0			1,440.5	23.0	-1.417.5	3	1999	5,014.0	29.2		5,043.2	321.7	4,921.5
4	2000	3,028.0			3,047.4	148.7	-2.898.7		2000	5,517.0			5,594.4	444.0	-5,150.4
5	2001	2,388.0			2,438.2	473.9	-1.964.3	5	2001	2,895.0			3,029.8	1.005.6	2.024.2
6	2002	941.0			1,017.3	968.5	48.8	6	2002	1,827.0	167.5		1,994.5	1,703.2	-291.3
. 7	2003		87.7		87.7	1,537.0	1,449.3	1 7	2003		189.0		189.0	2,420.4	2,301.4
8	2004	1	87.7	:	87.7	2,082.5	1.994.8	8	2004		189.0		189.0	3,155.9	2,966.9
9	2005	1	87.7		87.7	2,525.2	2,437.5	19	2005	:	189.0		189,0	3,620.7	3,431.7
10	2906	1	87.7		87.7	2,768.5	2,680.8	10	2006		189.0		189.0	3,846.3	3,657.3
11	2007	1	87.7		87.7	2,842.3	2,754.6	11	2007		189.0		189.0	3,935.9	3,746.9
12	2008	l .	87.7		87,7	2,842.3	2,754.6	12	2008		189.0		189.0	3,935.9	3,746.9
13	2009	1	87.7		87.7	2,842.3	2,754.6	13	2009		189.0		189.0	3,935.9	3,746.9
14	2010		83.7		87.7	2,842.3	2,754.6	14	2010		189.0		189.0	3,935.9	3,746.9
15	2011		87.7		87.7	2,842.3	2,754.6	15	2011		189.0		189.0	3,935.9	3,746.9
16	2012		87.7		87.7	2,842.3	2.754.6	ðÍ	2012		189.0		189.0	3,935.9	3,746.9
17	2013		87.7		87.7	2.842.3	2,754.6	17	2013		189.0		189.0	3,935.9	3,746.9
18	2014		87.7		87.7	2,842.3	2,754.6	18	2014		189.0	-	189.0	3,935.9	3,746.9
19	2015		87.7		87.7	2,842.3	2,754.6	19	2015		189.0		189.0	3,935.9	3,746.9
20	2016	i	87.7		87.7	2,842.3	2,751.6	20	2015		189.0		189.Q	3,935.9	3,746.9
21	2017		87.1		87.7	2,842.3	2,754.6	21	2017		189.0		189.O	3,935.9	3,746.9
22 23	2018	ľ	87.7		87.7	2,842.3	2,754.6	22	2018		189.0		189.0	3,935.9	3,746.9
2.3	2019 2020	Ī	87.7 87.7		87.7	2,842.3	2,754 6	23	2019		189.0		189.0	3,935.9	3,746.9
25	2021		87.7 87.7		87.7 87.7	2,842.3 2,842.3	2,754.6 2,754.6	24 25	2020		189.0		189.0	3,935.9	3,746.9
1 "	2021		67.7		81.1	2,842.3	27516	1 2	2021		189.0	•	189.0	3,935,9	3,746.9
	roject Area	3.467	ha	NPY	Cost	Benefit	B-C		roject Area	5,622	6.	NPY		0	I
	roject Cost		K ,000 D,	10% =	6.066	13,193	7,127		roject Cost		1 ,000 D.	10% =	Cost 14,422	<u>Benefa</u> 19,291	<u>B-C</u> 4,859
		2,386		7.5% =		18,015	11,232	1	iojaci cost	3,337		7.5% =		26.117	10,200
	Sensitiv			5% =		25,177	17,529	•	Sensitivi		27114	7.5% = 5% ≈		36,211	18,497
l			Cost Up	Be	nefit Down (%			1		1	Cost Up		enefal Down (91)		10,437
	Item	(%)	(%)	-10	- 0	20	B/C	1	ltern	(%)	(%)	-10	0	20	BAC
	Cost	0	-10	26.0%	24.0%	19.9%	2.17	1	Cost	0	-10	16.9%	15.5%	12.3%	1.34
	Up		5	24.9%	23.0%	19.0%	2 66		Up		-3	16.1%	14.7%	11.5%	1.64
	Bettefit	0	0.	23.9%	22.0%	18.1%	3.29	1	Banefit	0	0	15.3%	13.9%	10.9%	2.04
ĺ	Down		5	22.9%	21.1%	17.3Æ		1	Down		5	14.6%	13.2%	10.2%	
l	L		10	22.0%	20.3%	16.6%		I			10	13.9%	12.6%	9.7%	
1	FIRR	22.0%	20	20.5%	18.8%	15.2%			FIRR	13.9%	20	12.7%	11.49	8.6%	
L				···		·		L							

٠.	. Kahili /	Governorat	4 67 Out				5 B 1000			<b>.</b>	100	:			
	- Veorin			·			it: D. (000)	, ,	- Gabes C	Jovernorate		s -	·		i: D., 000)
No	Year	Project	O.M	**		Irrigation	l	11		Project	0/M		and the second	Irrigation	
740	1 car	Cost	Cost		Total	Benefit	Balance	No	Year	Cost	Cost		Total	Benefit	Balance
	1997	(a)	(b) 0.0		(c)	(d)	(c · d)	1.1		(2)	(b)		(c)	(d)	(c - d)
i	1998	294.0 8,042.0			294.0	0.0	-294.0	11	1997	174.0	. 0.0	•	174.0	0.0	-174.0
	1999	8,058.0		100	8,116.2	0.0	-8,116.2	] 2	1998	2,547.0	0.0		2,547.0	0.0	-2,547.0
3	2000	5,104.0			8,218.5	322.2	-7,896.3	3	1999	7,930.0	25.9		7,955.9	119.8	-7,836.1
	2000				5,318.4	1,019.3	-4,299 1	1.41	2000	9,917.0	1116		10,028.6	635.0	-9,393.6
. 5		3,850.0		200	4,103.8	1,950.2	-2,153.6	3	2001	4,530.0	2116		4,731.6	1,611.8	-3,119.8
6	2002 2003	413.0			670.4	3,052.1	2,381.7	6	2002	888.0	253.6		1,141.6	2,782.6	1,641.0
7			257.4		257.4	4,169.9	3,912.5	7	2003		264.0		264.0	4,001.5	3,737.5
8	2004	-	257.4		257.4	4,965.4	4,708.0	8	2004		264.0		261.0	5,100.7	4,836.7
9	2005		257.4		257.4	5,386.0	5,128.6	9	2005		264.0		264.0	5,804.3	5,540.3
10	2006	- 4	257.4		257.4	5,572.9	5,315.5	10	2006		264.0		264.0	6,046.5	5,782.5
11	2007		257.4		257,4	5,588.7	5,331.3	11	2007		264.0		264.0	6,094.5	5,830.5
12	2008		257.4		257.4	5,588.7	5,331.3	32	2008		264.0		264.0	6,094.5	5,830.5
13	2009		257.4		257.4	5,588.7	5,331.3	13	2009		264.0		261.0	6,094.5	5,830.5
14	2010		257.4		257.4	5,588.7	5,331.3	14	2010		264.0		261,0	6,094.5	5.830.5
15	2011		257.4		257,4	5,588.7	5,331.3	15	2011		264.0		264.0	6,094.5	5,830.5
16	2012		257.4	100	257.4	5,588.7	5,331.3	16	2012		264.0	-	264.0	6.094.5	5,830.5
17	2013		257.4		257,4	5,588.7	5,331.3	17	2013		264.0	* -	264.0	6,094.5	5,830.5
18	2014		257.4		257,4	5,588.7	5,331.3	18	2014		264.0	• •	264.0	6,094.5	5,830.5
19	2015		257.4		257.4	5,588.7	5,3313	191	2015		261.0		264.0	6,094.5	5,830.5
20	2016		257.4		257.4	5,588.7	5,331.3	20	2016		264.0		264.0	6,094.5	5,830.5
21	2017		257.4		257.4	5,588.7	5,331.3	21	2017		264.0		264.0	6,094.5	5,830.5
22	2018		257.4		257.4	5,588.7	5,331.3	22	2018		264.0		264.0	6,094.5	5,830.5
23	2019		257.4		257.4	5,588.7	5,331.3	23	2019		264.0	9	264.0	6.094.5	5,830.5
24	2020		257.4		257.4	5,588.7	5,331.3	24	2030		261.0		264.0	6,094.5	5,830.5
25	2021	7.4	257.4		257.4	5,588.7	5.331.3	25	2021		264.0	-	264.0	6.094.5	5,830.5
		100			.1		"		-021		201.0	100	204.0	0,074.3	3,0303
Fr	oject Area:	: 7,₹13	ha	NPY	Cost	Benefin	2.8	6.	roject Area:	7,133	ha .	.NPV	Cost	Benefit	B-C
Pre	oject Cost :	25,761	x 000 D.	10% =	20,924	29.150	8,226		reject Cost:		# ,000 D.	10%		30,193	10,274
	•	3,571	D/ha	7.5% =	22,849	39,105	16,256			3,612		7.5%		40,833	18,814
	Sensitivit		4.4	5% =	25,154	53,752	28,599		Sensitivit		C-2410	5%		56,550	32,011
		1	Cost Up	Bo	nefit Down (%		0.000		<u> </u>	<del>````</del>	Cost Up		enchi Down (%)		32,011
	item -	(%)	(%)	10	0	20	BAC		tem	(%)	(%)	-10	O O	20	۔ ا
	Cost	0	10	17.6%	16.1%	12 8%	1.39		Cost	1-\~'-	10	19.1%	17.6%	14.19	B/C 1.52
	1 p	1	5	16.7%	15.3%	12 19	171	1 4	Up	1 ° 1	5	18.2%	16.7%	13.3%	
	Benefit	0		15.9%	145%	11.4%	214		Benefit	0	6	17.4%	15.9%		1.85
	Down		š	15 29	13.8%	10.8%	] '''		Down	"	3	16.6%	15.1%	12.6%	2.30
	1		io	14.5%	13.1%	10.2%		1 444	DOWN	<del>  </del>				11.94	
	EIRR	14.5%	20	13.3%	11.9%	9.1%	1	1	EIRR	1	10 20	13.9%	11.4%	11.3%	1 4 4 5
	<del></del>				11.7 %	<u> </u>		1	CIKK	15.9%		14.6%	13.2%	10.1%	

Table K.2.4.2 Economic Cost and Benefit Stream

		20 a 1			
				Oases	
A 11	Projec	`	<b>1</b>	112000	_
- / 11	1 ((/))			O HOUS	

(Uni	1:	D., '	000)
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No   Year   Cost   Cost   Cost   Benefit   Balance	-	- An 110)	Pegigot	O/M			Irrigation	inc Di, 000)
1   1997   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0   0.0   711.0   0.0	N.	Vans				Total	_	Balance
1   1997   711.0   0.0   711.0   0.0   711.0   2   1998   14,330.0   0.0   14,330.0   0.0   14,330.0   3   1999   22,439.0   129.0   22,568.0   597.0   -21,971.0   4   2000   23,566.0   360.4   23,926.4   2,264.4   -21,662.0   5   2001   13,653.0   603.4   14,256.4   5,055.8   9,200.6   6   2002   4,069.0   747.9   4,816.9   8,516.0   3,699.1   7   2003   798.1   798.1   798.1   12,208.2   11,410.1   8   2004   798.1   798.1   798.1   12,208.2   11,410.1   8   2005   798.1   798.1   798.1   17,328.4   16,530.3   10   2006   798.1   798.1   798.1   18,229.3   17,431.2   11   2007   798.1   798.1   798.1   18,461.4   17,663.3   12   2008   798.1   798.1   798.1   18,461.4   17,663.3   13   2009   798.1   798.1   798.1   18,461.4   17,663.3   14   2010   798.1   798.1   798.1   18,461.4   17,663.3   15   2011   798.1   798.1   798.1   18,461.4   17,663.3   16   2012   798.1   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1	NO	Teat :						
1998	•	1007					i .	
1999   22,439.0   129.0   22,568.0   597.0   -21,971.0				1 2				4 4 4 4 5 6 6
1		7.0	The second secon			and the second second		4 4
S   2001   13,653.0   603.4   14,256.4   5,055.8   -9,200.6   6   2002   4,069.0   747.9   4,816.9   8,516.0   3,699.1   7   2003   798.1   798.1   12,208.2   11,410.1   8   2004   798.1   798.1   15,303.5   14,505.4   16,530.3   10   2006   798.1   798.1   798.1   18,229.3   17,431.2   11   2007   798.1   798.1   798.1   18,229.3   17,431.2   11   2007   798.1   798.1   798.1   18,461.4   17,663.3   12   2008   798.1   798.1   18,461.4   17,663.3   13   2009   798.1   798.1   18,461.4   17,663.3   14   2010   798.1   798.1   18,461.4   17,663.3   15   2011   798.1   798.1   798.1   18,461.4   17,663.3   15   2011   798.1   798.1   798.1   18,461.4   17,663.3   16   2012   798.1   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   18,461.4   17,663.3   18   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   20   2016   798.1   798.1   798.1   18,461.4   17,663.3   21   2017   798.1   798.1   798.1   18,461.4   17,663.3   21   2017   798.1   798.1   798.1   18,461.4   17,663.3   22   2018   798.1   798.1   798.1   18,461.4   17,663.3   23   2019   798.1   798.1   798.1   18,461.4   17,663.3   23   2019   798.1   798.1   798.1   18,461.4   17,663.3   24   2020   798.1   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   798.1   18,461.4   17,663.3   26   2016   70.0   20   20   20   20   20   20   20				the second second		and the second of the second o	The state of the s	1
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7 2003						17.		7
8   2004   798.1   798.1   15,303.5   14,505.4   9   2005   798.1   798.1   798.1   17,328.4   16,530.3   10   2006   798.1   798.1   798.1   18,229.3   17,431.2   11   2007   798.1   798.1   798.1   18,461.4   17,663.3   12   2008   798.1   798.1   18,461.4   17,663.3   13   2009   798.1   798.1   18,461.4   17,663.3   14   2010   798.1   798.1   798.1   18,461.4   17,663.3   15   2011   798.1   798.1   798.1   18,461.4   17,663.3   16   2012   798.1   798.1   798.1   18,461.4   17,663.3   17   2013   798.1   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   18,461.4   17,663.3   10   2016   798.1   798.1   798.1   18,461.4   17,663.3   10   2017   798.1   798.1   18,461.4   17,663.3   12   2017   798.1   798.1   18,461.4   17,663.3   12   2017   798.1   798.1   18,461.4   17,663.3   12   2017   798.1   798.1   18,461.4   17,663.3   12   2017   798.1   798.1   18,461.4   17,663.3   12   2019   798.1   798.1   18,461.4   17,663.3   12   2017   798.1   798.1   18,461.4   17,663.3   12   2019   798.1   798.1   18,461.4   17,663.3   12   2019   798.1   798.1   18,461.4   17,663.3   13   20   2016   70   20   20   20   20   20   20   20		and the second second	4,002.0	. 4			and the second second second	
9 2005	1 1					the state of the s		
10   2006   798.1   798.1   18,229.3   17,431.2     11   2007   798.1   798.1   18,461.4   17,663.3     12   2008   798.1   798.1   18,461.4   17,663.3     13   2009   798.1   798.1   18,461.4   17,663.3     14   2010   798.1   798.1   18,461.4   17,663.3     15   2011   798.1   798.1   18,461.4   17,663.3     16   2012   798.1   798.1   18,461.4   17,663.3     17   2013   798.1   798.1   18,461.4   17,663.3     18   2014   798.1   798.1   18,461.4   17,663.3     19   2015   798.1   798.1   18,461.4   17,663.3     19   2015   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   18,461.4   17,663.3     21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3     26   2020   798.1   798.1   18,461.4   17,663.3     27   2020   798.1   798.1   18,461.4   17,663.3     28   2020   798.1   798.1   18,461.4   17,663.3     29   2016   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   18,461.4   17,663.3     20   2017   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   798.1   18,461.4   17,663.3     26   2016   798.1   798.1   798.1   18,461.4   17,663.3     27   2018   798.1   798.1   18,461.4   17,663.3     28   2019   798.1   798.1   18,461.4   17,663.3     29   2016   798.1   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   798.1   798.1   798.1   798.1     20   2016   798.1   798.1   798.1   798.1   798.1     20   2016   798.1   798.1   798.1   798.1   798.1		120 000					1	1
11   2007   798.1   798.1   18,461.4   17,663.3   12   2008   798.1   798.1   18,461.4   17,663.3   13   2009   798.1   798.1   18,461.4   17,663.3   14   2010   798.1   798.1   18,461.4   17,663.3   15   2011   798.1   798.1   18,461.4   17,663.3   16   2012   798.1   798.1   18,461.4   17,663.3   17   2013   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   798.1   18,461.4   17,663.3   20   2016   798.1   798.1   798.1   18,461.4   17,663.3   21   2017   798.1   798.1   798.1   18,461.4   17,663.3   22   2018   798.1   798.1   18,461.4   17,663.3   22   2018   798.1   798.1   798.1   18,461.4   17,663.3   23   2019   798.1   798.1   18,461.4   17,663.3   24   2020   798.1   798.1   798.1   18,461.4   17,663.3   24   2020   798.1   798.1   18,461.4   17,663.3   24   2020   798.1   798.1   18,461.4   17,663.3   24   2020   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   18,461.4   17,663.3   26   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   22   2021   798.1   798.1   798.1   18,461.4   17,663.3   22   2021   798.1   798.1   798.1   18,461.4   17,663.3   22   2021   798.1   798.1   798.1   18,461.4   17,663.3   22   2021   798.1   798.1   798.1   18,461.4   17,663.3   22   2021   798.1   798.1   798.1   18,461.4   17,663.3   22   2021   2020   2020   2020   2020   2020   2020   2020   202		F 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				The second secon		
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14   2010   798.1   798.1   18,461.4   17,663.3     15   2011   798.1   798.1   18,461.4   17,663.3     16   2012   798.1   798.1   18,461.4   17,663.3     17   2013   798.1   798.1   18,461.4   17,663.3     18   2014   798.1   798.1   18,461.4   17,663.3     19   2015   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   18,461.4   17,663.3     21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3      Project Area:   23,435 ha								
15   2011   798.1   798.1   18,461.4   17,663.3   17   2013   798.1   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   18,461.4   17,663.3   18   2014   798.1   798.1   18,461.4   17,663.3   19   2015   798.1   798.1   18,461.4   17,663.3   20   2016   798.1   798.1   18,461.4   17,663.3   21   2017   798.1   798.1   18,461.4   17,663.3   22   2018   798.1   798.1   18,461.4   17,663.3   23   2019   798.1   798.1   18,461.4   17,663.3   24   2020   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   18,461.4   17,663.3   25   2021   798.1   798.1   18,461.4   17,663.3   26   2020   798.1   798.1   18,461.4   17,663.3   26   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   798.1   18,461.4   17,663.3   27   2021   798.1   798.1   798.1   18,461.4   17,663.3   27   2021   798.	1.0	:						
16	1.0						1	
17   2013   798.1   798.1   18,461.4   17,663.3     18   2014   798.1   798.1   18,461.4   17,663.3     19   2015   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   18,461.4   17,663.3     21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3     26   2021   798.1   798.1   18,461.4   17,663.3     27   2021   798.1   798.1   18,461.4   17,663.3     28   2020   798.1   798.1   18,461.4   17,663.3     29   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   2020   798.1   798.1   18,461.4   17,663.3     20   2020   798.1   798.1   18,461.4   17,663.3     20   2020   798.1   798.1   18,461.4   17,663.3     20   2020   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2019   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.1   798.1   18,461.4   17,663.3     20   2018   798.		1 ' ' <b>t</b>		and the second second			1	
18	1.0							
19   2015   798.1   798.1   18,461.4   17,663.3     20   2016   798.1   798.1   18,461.4   17,663.3     21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3     26   2021   798.1   798.1   18,461.4   17,663.3     27   2021   798.1   798.1   18,461.4   17,663.3     28   2021   798.1   798.1   18,461.4   17,663.3     29   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.		57					1	
20   2016   798.1   798.1   18,461.4   17,663.3     21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3     26   2021   798.1   798.1   18,461.4   17,663.3     27   2021   798.1   798.1   18,461.4   17,663.3     28   2021   798.1   798.1   18,461.4   17,663.3     29   2021   798.1   798.1   18,461.4   17,663.3     20   2021   798.1   798.1   18,461.4   17,663.3     20   20   798.1   798.1   18,461.4     20   20   798.1   798.1   18,461.	9							
21   2017   798.1   798.1   18,461.4   17,663.3     22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3     26   2021   798.1   798.1   18,461.4   17,663.3     27   2021   798.1   798.1   18,461.4   17,663.3     28   2021   798.1   798.1   18,461.4   17,663.3     29   2021   798.1   798.1   18,461.4   17,663.3     20   20   18,461.4   17,663.3     20   20   18,461.4   17,663.3     20   20   20   30,733     3,361 D./ha   7.5% = 67,346   124,106   56,760     3,361 D./ha   7.5% = 67,346   124,106   56,760     3,361 D./ha   7.5% = 67,346   124,106   56,760     3,361 D./ha   7.5% = 67,346   171,730   96,914     20   30,733   30,733   30,733     3,61 D./ha   7.5% = 67,346   124,106   56,760     3,361 D./ha   7.5% = 67,346   124,106   56,760     4   20   20   30,733     5   3,61 D./ha   7.5% = 67,346   124,106   56,760     5   18.9%   17.3%   13.9%   13.9%     5   18.9%   17.3%   13.9%   13.9%     6   13.1%   13.4%     7   15.7%   12.4%   2.30     7   10   15.7%   14.2%   11.2%     7   11.2%   7   11.2%     7   1   11.2%   7   11.2%     7   1   11.2%   7   11.2%     7   1   11.2%   7   11.2%     7   1   1   11.2		1 1					The second secon	
22   2018   798.1   798.1   18,461.4   17,663.3     23   2019   798.1   798.1   18,461.4   17,663.3     24   2020   798.1   798.1   18,461.4   17,663.3     25   2021   798.1   798.1   18,461.4   17,663.3     26   2021   798.1   798.1   18,461.4   17,663.3     27   2021   798.1   798.1   18,461.4   17,663.3     26   2021   798.1   798.1   18,461.4   17,663.3     27   2021   798.1   798.1   18,461.4   17,663.3     28   2021   798.1   798.1   18,461.4   17,663.3     29   2021   798.1   798.1   18,461.4   17,663.3     20   20   20   30,733   30,733     3,361 D./ha   7.5% = 67,346   124,106   56,760     30,733   30,733   30,733   30,733     3,361 D./ha   7.5% = 67,346   124,106   56,760     5   6,760   71,730   71,730   71,730     1   1   1   1   1   1   1     20   20   30,733   30,733     3,361 D./ha   7.5% = 67,346   124,106   56,760     30,733   30,733   30,733   30,733     3,361 D./ha   7.5% = 67,346   124,106   56,760     5   6,760   71,730   13,9%   13,9%     1   1   1   1   1   1     1   1   1			· · · · · · · · · · · · · · · · · · ·			the state of the s		
23   2019   798.1   798.1   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   18,461.4   17,663.3   17,663.3   18,461.4   17,663.3   18,						and the second second second	The second of th	17,663.3
24   2020   798.1   798.1   18,461.4   17,663.3   17,663.3   18,461.4   17,663.3   17,663.3   18,461.4   17,663.3   17,663.3   18,461.4   17,663.3   17,				The second second			1	17,663.3
Project Area : 23,435 ha   NPV   Cost   Benefit   B - C     Project Cost : 78,768 x ,000 D.   10% = 61,127   91,860   30,733     3,361 D./ha   7.5% = 67,346   124,106   56,760     Sensitivity data:   5% = 74,816   171,730   96,914       Cost   0	1 /-					798.1	18,461.4	17,663.3
Project Area: 23,435 ha NPV Cost Benefit B-C Project Cost: 78,768 x ,000 D. 10% = 61,127 91,860 30,733 3,361 D./ha 7.5% = 67,346 124,106 56,760 Sensitivity data: 5% = 74,816 171,730 96,914    Item (%) Cost Up Benefit Down (%) (%) -10 0 20   Cost 0 -10 18.9% 17.3% 13.9% 1.50     Up	1 1	1 1	*.		-	and the second s		17,663.3
Project Cost : 78,768 x ,000 D. 10% = 61,127 91,860 30,733 3,361 D./ha 7.5% = 67,346 124,106 56,760 96,914  Sensitivity data: 5% = 74,816 171,730 96,914    Sensitivity data: 5% = 74,816 171,730 96,914								
Project Cost : 78,768 x ,000 D. 10% = 61,127 91,860 30,733 3,361 D./ha 7.5% = 67,346 124,106 56,760 56,760	P	roject Area	23,435 1	a .	NPV	Cost	Benefit	<u>B - C</u>
3,361 D./ha  7.5% = 67,346  124,106  56,760  96,914    Sensitivity data:						the second secon	91,860	30,733
Sensitivity data:   5% = 74,816   171,730   96,914	[		and the second of the second of			67,346	124,106	56,760
Cost Up   Benefit Down (%)		Sensitiv	A CONTRACTOR OF THE PROPERTY O		5% =	74,816	171,730	96,914
Cost         0         -10         18.9%         17.3%         13.9%         1.50           Up         -5         18.0%         16.5%         13.1%         1.84           Benefit         0         0         17.1%         15.7%         12.4%         2.30           Down         5         16.4%         14.9%         11.8%           10         15.7%         14.2%         11.2%			<u> </u>	Cost Up	Be	nefit Down (%)		
Cost     0     -10     18.9%     17.3%     13.9%     1.50       Up     -5     18.0%     16.5%     13.1%     1.84       Benefit     0     17.1%     15.7%     12.4%     2.30       Down     5     16.4%     14.9%     11.8%       10     15.7%     14.2%     11.2%	1	Item	(%)	(%)	-10	0	20	B/C
Up     -5     18.0%     16.5%     13.1%     1.84       Benefit     0     0     17.1%     15.7%     12.4%     2.30       Down     5     16.4%     14.9%     11.8%       10     15.7%     14.2%     11.2%					18.9%	17.3%	13.9%	1.50
Benefit         0         0         17.1%         15.7%         12.4%         2.30           Down         5         16.4%         14.9%         11.8%           10         15.7%         14.2%         11.2%				-5	18.0%	16.5%	13.1%	1.84
Down 5 16.4% 14.9% 11.8% 10 15.7% 14.2% 11.2%			0 1	0	17.1%	15.7%	12.4%	2.30
10 15.7% 14.2% 11.2%				5	16.4%	14.9%	11.8%	
EIRR 15.7% 20 14.4% 13.0% 10.0%				10	15.7%	14.2%	11.2%	
		EIRR	15.7%	20	14.4%	13.0%	10.0%	

Table K.2.4.3 Economic Evaluation (EIIR, B/C, and B-C) for 153 Oases

KB-18   Rabta   162   682   149.6   15.0%   178   492   GB-30   Arram   163   866   1265   9.1%   1.14   96															
Control   Cont	Code	1	Project	imigation	E,	aluation		Code			Project				
Control   Cont	No Name of Oasis	Area	Cost	Benefit	EIRR	B/C	B-C	No	Name of Oasis	Area	Cost	Benefit	FIRR	B/C	BC
Grid Decreases		(ba)	(D. 200)	4D .000)		(7.5%)	(7.5%)			(ha)	(DO., OOD)	(D.,900)		(15%)	(7.5%)
Ge + 1   Kache	Gafsa Governorate	, ,		(01)_0				Kebili C	Jovernorate				11	1 .	100
Ger J. Piederes   500   1,500   600   1,614   1,514   1,577		. 608	1 268	420.5	2124	258	1 762			103	260	91.6	22.6%	277	399
Gr. 1 Dictors  Gr. 2 Links  Gr. 3 Dictors  Gr. 2 Links  Gr. 3 Dictors  Gr. 3 Dictors  Gr. 4 Links  Gr. 5 Dictors  Gr. 6 Dictors  Gr. 6 Dictors  Gr. 6 Dictors  Gr. 6 Dictors  Gr. 6 Dictors  Gr. 7 Dictor													~		
Gr. 6. Decklors															
Gr. 5   October   196   197   1915			+												
Ger 5 Decards 95   166   531   2016   243   2016   203	GF - 4 Lalla	700	1,595	461.7	18.8%										
OFFICE   1985	GF- 5 Ei Ksar	578	1,133	381.2	215%	2.54	1,368	K8 - 44	Atilet						
Special Color	GF - 6 Oucd Shib	56	166	52.7	20.8%	2.48	205	K8 - 45	Divez	280	778	186.0	15.9%	1.84	527
Selbeld B) Mod Act April 193   3851   2609   171   193   194   194   194   197   194   194   197   194   194   195   195   194   194   195	GF- 7 Thelia			69.8	13.7%	1.61	171	KB - 46	El Ghouta	75	292	19.7	0.6%	0.53	-114
Selected   19													139.	0.57	98
Teap Contraction		-4			· — — — — —									+	
Text   Follow   See   1.88		3,967	8,2/2	2,012.3	22.4.4	F.00	11,234								
17.   17.	the contract of the contract o		1.0	1 (1)		1.11	14.00	***							
Test	TZ - 1 Tozeur	929									~~~				
Fig. 5   Cheller   79   55   392   3196   155   110   185   310   185   310   185   310   185   310   315   317   317   317   310   315   315   317   317   317   315	TZ- 2 Kastilia	50	138	32.0	15.7%	1.85	117	KB - 51	Zaafrane	101	128	7.4			
Time	TZ- 3 Oued El Koucha	62	197	33.2	11.4%	1.37	71	KB - 52	Bouhamza	80	290	58.1	13.4%	1.57	137
Tr. 5   Cheste	TZ 4 Nellavene		205	39.2	330%	1.56	110	KB - 53	Ksar Ghilane	100	450	75.7	10.9%	1.31	1111
Tries   Friend   Tries   Tri			261	32.5		1.17	43	KB - 54	Sakkouma	80	454	31.0	0.8%	0.54	-172
Time			1												-157
Text   Text															
T.   1	-									~					
Tr. 10   DesCabbar   355   L50   54.5   Ast   0.78   L504   E4.5   Ast   0.78   L504   E4.5   Ast   0.78   L504   E4.5   Ast   0.78   L504   E4.5	TZ · 8 Jhim 1		·							-					
Fig. 12   Chellego	TZ · 9 Jhim 2	167	667	121.3	123%	1.47	293	K.B - 58	Ghidma						
Tr.   12 Checkpash   30	TZ - 10 Ibn Chabbat 3	325	1,590	54.3	XXX .*	0.28	1,058	KB - 59	Sahria	60	317	91.1	19.0%	2 21	294
TZ. 12 Checkboard 20 0 153 333 1996 1641 99 KN-64 Fileword 30 279 650 1006 122 33 177 - 11 Pac Chebboard 20 0 651 4554 102 1 KN-62 Bendu 30 0 299 650 1576 123 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TZ · 11 Nefta	852	2.162	\$03.9	23.4%	285	3,244	KB - 60	El Faouar 1	87	309	25.4	16.2 €	1.87	207
Tell   DeChabout   290   700   655   4554   077   110   11					1197	164	93	K8 - 61	El Faouer 2	80	275	45.0	10.4%	1.25	53
T.   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec   15   Dec															
17.2   17.2   18.5   19.5		- 4												+	
17.   17.															
Text   Hazens   288   948   2446   9034   244   1,666   1,77   1,97									~ ~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	·			<del></del>		
72 10   Cock Langhank	TZ-17 Hazoua 2	48	199		20.6%	2.50	265	KB - 66	Regim Maatoug 2	96				<b>+</b>	
12-30   Tozuret   .65   .52   .334   .116   .135   .61   .135   .61   .135   .61   .135   .61   .135   .1	TZ - 18 Hazous 3	238	928	284.6	20.2%	2.41	1,086	KB - 67	Tarfayet Elma	52	190	39.0	13.6%	1.57	84
12-25   Debourds   65   302   334   1168   138   64   139   64   130	TZ 19 Oued Loghrissi	78	357	57.7	10.7%	1 30	96		Sub-total (67)	7,213	25,761	5,588.7	14.5%	1.71	16,256
TZ- 21 Cobulus         55         300         S6.6         1278         150         121         GB-1         An Ze'g         192         221         124         231         321         128         221         124         231         331         332         322         1218         6619         15.24         118         105         318         669         3 Temoda 2         20         111         164         958         121         322         322         321         321         322         3				· · · · · · · · · · · · · · · · · · ·		1.38	61	Gabes C	- er por ete						
17.7.2   Diphomes   594   688   585   11094   153   115   598   2   17004   153   115   598   2   17004   150   151   151									1	140	283	82.7	19.2%	231	352
17.2   1.2	* <del></del>														
T. 2.   Chânese   90   227   53.4   1538   190   171   72.   25   184   100%   124   25   25   25   25   25   25   25			·			-								_	
Text														·	
TZ- 75 Lumerza 50 488 515 548 4 033 66	TZ-24 Chakmou	90	227	55.4	16.3%		. 171			T-1				-	
TZ. 2.17 Chebbs         23         91         67         158.** 0.58         0.31         32         GB - 7 Limanus I et 2         148         CSB         1414         51.54         81.55         92.7         140         202.**         140         292         79         8         5.53.**         9.44         100         GB - 8         M669         40         204         32.55         122.8*         140         92           TZ. 19 Meks         39         9         9         8         5.53.**         9.44         100         GB - 9         Chool Elforth         31         5.25         150         9.93         153         100         202.**         164         18.00         18         60.84         126         38.8         18.0 <t< td=""><td>TZ-25 Elliamma</td><td>.400</td><td>1,119</td><td>376.7</td><td>21.6%</td><td>2.56</td><td>1,351</td><td>GB - 5</td><td>Teboulbou</td><td>520</td><td>2,152</td><td></td><td>16.0%</td><td>1.88</td><td></td></t<>	TZ-25 Elliamma	.400	1,119	376.7	21.6%	2.56	1,351	GB - 5	Teboulbou	520	2,152		16.0%	1.88	
TZ - 12   Form RT Naturg   44   712   1.10   0.18   9.48   .99   12.   .99   .99   55   .55   .94   .99   .94   .95   .95   .55   .95   .94   .90	TZ - 26 Tamerza	80	488	51.5	5.4% 4	0.83	-66	G8 - 6	Oasis de Gabes	734	1,886	634.0	21.4%	2.60	2,552
Text    Found Fix Manage   48   122   1330   0.318   0.48   1.99   122   2.99   122   2.99   1.98   1.55   1.59   1.98   1.58   1.58   0.58   1.58   0.58   1.58   0.58   1.58   0.58   1.58   1.58   0.58   1.58		23	91	6.7	1.5%	0.58	-32	G8 - 7	Limaoua I et 2	143	628	141.6	15.4%	1.85	509
T2-99   Mides   99   99   85   558   0.84   .10   .1														4	
Text    Text	<b></b>														
Sub-local (80)   5,622   18,759   3,91.50   18,754   164   19,000   19,000   17,4   1,220   20,000	<u> </u>										·				
Rebit   Government   Governme											·				
Re	Sub-tetal (36)	5,612	18,759	3,933.9	13.9%	1.64	10,200							4	
R8 - 19   Doublethis   270   1,027   2340   15.5%   18.5   804   804   78.6   271   272   2839   2	Kebili Governorate		1.77	2.00			3								
KB - 9   Charleste   140   150   1	KB - I Bechri	162	797	112.4	12.1%	1.45	334	G8 - 13	Shoui	72	337	83.1	16.7美	1.98	294
KB - 3         Faintessa         205         638         914         -9 PK         121         124         CB - 15 Cloins         94         42         901         14.06         16.7         355         Belt Medical         766         799         2389         1988         27.7         943           KB - 5         Menchia         110         786         2017         17.5%         211         841         CB - 17         Overlied         265         1,033         4018         252         332         2025           KB - 6         Nigga         118         661         1668         16.44         271         550         GB - 18         Comm Soma         162         131         155         116         69         GB - 10         Checkbeel         251         1668         150         151         155         118         115         178         166         167         151         69         Checkbeel         251         168         166         151         200         Checkbeel         168         161         200         118         112         200         118         1155         118         118         200         118         1155         118         115         118	K8 - 2 Bouabdallah	270	1.027	234.0	15.5%	1.85	804	GB - 14	Favcal	260	982	212.5	14.6%	1.71	604
No.   Fig.   F	t							GB - 15		280	1,365	254.1	12.5%	1.48	564
KB - 5   Meichia   140   786   791   1758   211   834   181   182   182   183   18								-							
Ref.   C.   Nogga   181	[								~						
R8 - 7 Oum Soma   162   837   1959   16.04,   1911   698   698   190   1912   1243   668   30.05   155   118   118   118   118   129   123   1															
Ref									·····						
RB - 19   Culcd Tomai   Col.   231   B.1   2138   239   250   231   Col.   231   232   230   Col.   232   233   230   Col.   233   230   Col.   234   235   236   Col.   235   236   Col.   235   236   Col.   235   236   Col.   235   236   Col.   235   236   Col.   235   236   Col.   235   235   Col.   235   235   Col.   235   235   Col.   235   235   Col.   235   235   Col.   235   235   Col.   235   Col															-
R8-10   Tenchig   34   219   623   19.1%   233   280   G8-22   Hamma Ouels   400   1,383   488.1   22.6%   2.73   19.20   R8-11   Zeouket Blanch   315   278   93.0   21.7%   2.67   437   68-24   Becklima   280   1,000   137.6   8.34   107   59   18.13   200   20.00   13.16   8.34   107   59   108   20.00   13.16   8.34   107   59   108   20.00   13.16   8.34   107   59   108   10	K8 - 8 Oued Zira	176	567	189.8	218%	2.70	896	G8 - 20	Chenchou 2	E					
R8-11   Zacuice El Ancy   125   278   93.0   21.7%   2.67   438   437   437   438   437   438   437   438   438   437   438	KB 9 Oulcd Touati	62	231	83.1	213%	2.94	431	GB - 21	Tekouri	32	189	3 . 45.4	16.3%	1.94	157
KB - 11   Zacuict El Harth   81   329   1289   320   321   697   68-24   Bechinna   280   1,020   137.6   8.34   107   39   58-8   18.5   14.4   171   64   68-13   March   180   225   61.8   18.5   14.4   171   64   68-13   March   180   225   61.8   61.3   131   131   137.6   12.94   155   300   131.8   26.6   3.44   201   68-24   Bechinna   2.00   1,180   221   16.54   132   315   68.14   171   64   68-26   Khebayet   56   192   41.9   15.04   1.6   132   68-26   Khebayet   56   192   41.9   15.04   1.6   132   68-26   Khebayet   56   192   41.9   15.04   1.6   132   133   131   137.6   12.94   15.5   300   68-26   Khebayet   56   192   41.9   15.04   1.6   132   133   131   137.6   12.94   15.5   300   68-26   Khebayet   56   192   41.9   15.04   1.6   132   133   134	KB-10 Tenchie	54	219	62.3	19.1%	2.33	280	G8 - 22	Hamma Oasis	400	1,383	488.2	22 6%	2.73	1,920
RB-12   Zacolet El Harch   81   329   1289   250 / 321   667   68-24   Bechima   280   1,020   131,6   8.34   107   59														2.08	
R8 - 13   Zuret Lewhicht    86   289   56.5   13.4%   160   166   166   168			<b>+</b>										8.39	1.07	59
KB - 14         Chewchet Naggs         26         88         18.5         14.4%         171         61         GB - 26         Khebayet         96         192         41.9         15.0%         13.0%         13.0%         12.9%         1.30         3.44         201         GB - 26         Khebayet         96         192         41.9         15.0%         13.1         31.0         12.9%         1.53         300         GB - 26         Khebayet         70         166         24.7         95.7         11.8         26         88.1         13.0         13.1         31.0         12.9%         1.55         300         GB - 26         100 bibbiha         70         166         24.7         95.7         11.8         26         KB - 17         70         18.6         20         1.78         422         GB - 30         Arram         165         866         165         16.5         91.73         1.14         96           KB - 17         Femilia         240         1.007         1.36         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43         1.43															
RB-15   Gualays   GS   SS   SS   SS   SS   SS   SS   S															
R8-16   Jedida   133   731   137.6   12.9%   15.3   360   GB-28   Ghb Dobhane   70   166   24.7   9.5%   1.16   26   26.2   14.6   15.09   17.8   422   42.8   15.59   17.8   422   42.8   15.59   17.8   422   42.8   15.59   17.8   422   42.8   15.59   17.8   422   42.8   15.59   17.8   422   42.8   15.59   18.5   861   GB-20   March 1   160   45.3   77.3   11.1%   13.3   118   18.5   118   12.7   12.7   12.8   12.7   12.8   12.7   12.8   12.7   12.8														+	
R8-17   Mansoura   65   634   1279   17.64   213   533   GB-29   Oucd Nekhla   30   65   169   17.34   204   62   R8-18   Rabta   162   682   149.6   150.7   17.8   492   GB-30   Arram   163   866   126.5   9.18   114   96   180.7   120												·			
KB - 18   Rabia   162   682   149.6   15.0%   178   492   498   15.5%   178   492   498   15.5%   188   861   188   198   199   190   19															<del></del>
KB-19   Telmine   240   1,097   249.8   5.554   1.85   861   KB-20   Temblo   118   349   62.8   12.114   1.45   146   GB-31   March 2   180   869   190.3   14.42   1.67   450   KB-21   Tembar   127   591   106.6   12.378   1.47   255   14.7   255   12.7   14.7   1.45   1.	K8-17 Mansoura	86					533								65
KB-19   Telmine   240   1,097   249.8   15.5%   1.85   861   KB-20   Temblo   118   349   62.8   12.1%   1.45   146   GB-32   March 2   180   869   190.3   14.4%   1.67   450   KB-21   Tembar   127   591   166.6   12.3%   1.47   255   12.3%   1.47   255   1.85   1.47   255   1.85   1.47   1.45   1.45   1.45   1.45   1.45   1.47   255   1.47   1.47   1.47   1.47   1.48   1.47   1.48	KB-18 Rabta	162	682	149.6	65.0%	1.78	492	GB - 30	Arram	163	866	126.5	9.1%	1.14	96
KB : 20   Temblo   118   349   628   12   14   1.45   146   149   150   180							861				453	77.3	11.1%	1.33	118
R8 - 21   Tombar   127   591   106 6   12 3%   1.47   255   125   138   133   133   134   135   1.09   10															450
KB-22 Limagues   57   198   41.3   14.3%   1.70   13.4   GB-34   Marcub 5   115   82.4   172.7   14.1%   1.64   418   KB-23   Mazraa Ncji   66   34.8   63.2   12.4%   1.49   1.64   GB-35   Marcub 6   83   299   82.2   18.3%   2.15   28.5   KB-24   Ourn El Farth 1 et 2   55   79   28.2   22.8%   2.84   14.3															
KB-23   Mazzaa Ncji   66   348   63.2   12.4%   1.49   164   164   GB-35   March 6   88   299   \$2.2   18.3%   2.15   285   KB-24   Oum ElFarth Let 2   55   79   28.2   22.8%   2.84   143   GB-35   March 6   88   299   \$2.2   18.3%   2.15   285   KB-25   Shiftimi   82   11.5%   1.42   63   11.6%   13.6%   1.42   63   11.6%   13.6%   1.45   1															<u>+ — — </u>
KB-24   Oum El Farth   et 2   55   79   28 2   22 8%   2.84   14)   GB-36   Zarat 2   174   850   128.7   9.5%   1.18   121   KB-25   Sissimi   82   154   27 2   11.8%   1.42   63   GB-37   Zerkine   t et 3   116   247   48.4   12.8%   1.49   59   KB-26   Saidane   30   89   21.3   16.3%   1.95   82   12.8%   2.98   2.41   KB-27   Barghouthia   52   129   47.4   23.6%   2.98   2.41   GB-38   Zerkine   2   156   63.0   83.6   66.5%   1.09   45   KB-27   Barghouthia   52   129   47.4   23.6%   2.98   2.41   GB-39   Ayoung Zerkine   30   90   11.6   13.0%   1.52   39   KB-28   Barma   146   473   82.6   11.6%   13.3%   1.57   252   GB-39   Ayoung Zerkine   30   90   11.6   13.0%   1.52   39   KB-28   Barma   145   473   82.6   11.6%   13.3%   1.57   252   GB-40   Madssin   53   221   9.3   kxx   0.33   1.22   KB-30   Bisdetic   75   202   76.7   74.2%   3.02   36.7   GB-42   Keitana   1.40   53.3   95.1   10.5%   1.27   124   KB-32   Zerkine   2.0   3.0															
KB-25   Stiftmi															
KB-26   Saidane   30   89   213   16.3%   1.95   82   GB-38   Zerkine 2   1.56   6.30   88.6   8.6%   1.09   45															
KB-27   Barghouthia   52   129   47.4   23.6%   2.98   241   GB-39   Ayoung Zorking   30   90   17.6   13.0%   152   39   KB-28   Bazma   146   473   82.6   11.6%   138   156   GB-40   Madssin   58   221   9.3   xxx   9.03   1.22   12.08   12.0	KB-25 Shftimi		154	27.2	11.8%	1.42	63	G8-37	Zerkine Let 3	116	247		12.8%	1	
KB-27   Barghouthia   52   129   47.4   23.6%   2.98   241   GB-39   Ayoung Zorking   30   90   17.6   13.0%   152   39   KB-28   Bazma   146   473   82.6   11.6%   138   156   GB-40   Madssin   58   221   9.3   xxx   9.03   1.22   12.03   xxx   9.03   1.23	KB - 26 Saidane	. 30	. 89	21.3	16.3%	1.95	82	GB - 38	Zerkine 2	156	630	88.6	8.6%	1.09	45
KB - 28   Barma   146   473   826   11.6%   138   156     GB - 40   Madssia   58   221   9.3   km * * 0.33   -122   KB - 39   B'chelli   135   512   101.4   13.3%   1.57   252   GB - 41   Ketana   58   429   97.9   15.7%   1.83   239   KB - 30   Bidetic   75   202   76.7   24.2%   3.02   36.7   36.8%   3.43   402   3.43   402   402														1.52	39
KB-29   Bribelli   135   512   191.4   13.3%   1.57   252   GB-41   Keitana   1   58   429   97.9   15.7½   1.83   239   KB-30   Bidette   75   300   76.7   24.2%   3.02   367   GB-42   Keitana   3   140   583   95.1   10.5%   1.27   124   KB-31   Zarvine   70   184   79.4   26.8%   3.43   402   GB-42   Keitana   4   125   482   96.5   13.3%   1.56   21.6   KB-32   Jenna   112   116   27.0   15.1%   1.75   79   79   79   79   79   79   79															
NB-30 Bisotic   75   202   76.7   24.24   3.02   36.7   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84   34.8   36.84														+	
RB-31 Zarcinc   70   184   79.4   26.8%   3.63   402   GB-43 Keitana 4   725   482   96.5   13.3%   1.56   246   KB-32 kemna   112   116   27.0   15.1%   1.75   79   GB-43 Keitana 4   120   339   95.0   16.5%   2.15   315   KB-33 Misoria   81   158   35.9   2.0%   2.0%   2.09   2.42   KB-33 Misoria   81   158   35.9   31.6   112   13.0%   2.84   5.0   68.45   27.18 Barrania   71   218   2.91   8.0%   1.04   8.8   8						F . S. S. Store									
KB - 32   Jenna   112   116   270   15 1%   1.75   79   GB - 44   Sidi Sellam   120   339   950   18.5%   2.15   515   KB - 33   Misoria   81   158   53.9   22.0%   2.69   242   GB - 45   Zrig Banania   71   218   22.1   8.0%   1.04   8   KB - 34   Msald   95   31.6   112   2.10%   2.84   520   GB - 45   Zrig Banania   71   218   22.1   8.0%   1.04   8   KB - 35   Rahmat   85   299   55.5   12.5%   1.49   1.30   GB - 45   Laaradh 1   35   185   19.7   5.2%   0.82   -2.5   KB - 36   Rahmat   268   921   1645   118%   1.40   305   GB - 48   Laaradh 1   35   185   19.7   5.2%   0.82   -2.5   KB - 37   Souk El Baica   65   193   46.6   16.3%   1.93   160   Sub-total (43)   7.133   25.976   6.094   5.15.9%   1.85   18.816   KB - 39   8corzine   94   279   522   12.6%   1.49   123   Total (153)   13.435   28.768   18.461.4   15.7%   1.84   56.760   1.85			-1							•					
KB-33   Mouria   81   158   53.9   22.04   2.09   242   GB-45   Zrig Barrania   71   218   29.1   8.07   1.04   8   KB-34   Msaid   95   316   112.2   13.07   2.84   520   GB-46   Ghandri   30   119   4.5   xxx   0.30   -69   KB-35   Rahmat   85   299   55.5   12.54   1.49   130   GB-47   Larada 1   35   185   19.7   5.24   0.82   -25   KB-36   Ras El Alin   268   921   164.5   118.4   1.40   305   GB-48   Larada 1   35   35   35   19.7   5.24   0.82   -25   KB-37   Soult El Baicz   65   193   46.6   16.34   1.93   160   Sub-total (48)   7.133   25.976   6.0945   15.99   1.85   18.816   KB-38   Bon Zrioun 1 ct 2   147   473   136.7   21.64   2.02   662   KB-39   Bourzine   94   279   52.2   12.67   1.49   123   Total (153)   23.435   28.768   18.461.4   15.74   1.84   56.760   1.85   1.8										•			4		
KB-33 Misuria   81   158   53.9   22.0%   2.69   242   GB-45 Zrig Barrania   71   218   29.1   8.0%   1.04   8   KB-34 Msaid   95   31.6   112.2   31.0%   28.4   5.20   GB-46 Ghandri   30   119   4.5   xxx   0.30   -69   KB-35 Rahmat   85   299   55.5   12.5%   1.49   130   GB-46 Ghandri   35   185   19.7   5.2%   0.82   -25   KB-36 Ras El Ann   268   921   164.5   118.4   1.40   305   GB-48 Laradh   35   35   23.5   19.7   2.4%   0.64   6.4		112	116	27.0			79						18.5%	2.15	315
KB-34 Msaid   95   316   112   23.0%   284   520   GB-46 Ghandii   30   119   4.5   83.1   0.30   69   KB-35 Rahmat   85   259   55.5   12.5%   1.49   130   GB-47 Lacrada 1   35   185   19.7   5.2%   0.82   .25   KB-36 Ras El Ain   268   921   164.5   118%   1.40   305   GB-48 Lacrada 3   55   235   19.7   2.4%   0.84   .64	KB-33 Mtouria	81	158	53.9	220%	2.69	242			71	218	29,1	8.0%	1.04	8
KB-35 Rahmat   85   299   55.5   12.5%   1.49   130   GB-47 Lagrado 1   35   185   19.7   5.2%   0.82   2.55   KB-36 Rat El Ain   268   921   164.5   11.8%   1.40   30.5   GB-48 Lagrado 3   55   23.5   19.7   2.4%   0.64   6.4   6.4   6.5   6.5   6.6   6.5															-69
KB -36         Res El Ain         268         921         164.5         II.84         I.40         305         GB -48         Lacrath 3         55         235         19.7         2.44.*         0.64         -64           KB -37         Souk El Baicz         65         193         46.6         16.34         1.93         160         Sub-total (48)         7,133         25,976         6,0945         15.99         1.85         18,814           KB -38         Ben Zrivun 1 et 2         147         473         156.7         21.64         2.62         662         8         8         7,133         25,976         6,0945         15.99         1.85         18,814           KB -39         Sourcine         94         279         52.2         12.69         1.49         123         Total (153)         13,435         28,763         18,461.4         15.75         1.84         56,760															
KB-37 Souk El Bairz     65     193     46.6     16.3%     193     160     Sub-total (48)     7,133     25,976     6,0945     15.9%     1.85     18,816       KB-38 Ben Zrivun I et 2     147     473     156.7     21.6%     2.62     662       KB-39 Bourcine     94     279     52.2     12.6%     1.49     123     Total (153)     13.435     28.768     18.461.4     15.7%     1.84     56.760															
KB - 38   Ben Zriven Let 2   147   473   156.7   21.64   2.62   66.7								11-20-48							•
KB-39 Boursine 94 279 522 18.6% 1.49 123 Total (153) 23.435 28.768 18.461.4 18.7% 1.84 56.760								II	500-1013[ (43)	7,133	25,976	a,074.5	17.9%	1.83	15,814
								II .	1.1111 - 1.111 - 1.11		122.5		4.22.00	11.5	
Ref: K233 K241 and K242	KB+39 Bourzine	94	279	52.2	12.6%	1.49	123	11 -	Total (153)	13,435	78,768	18.461.4	15.7%	1.64	56,760
	Ref. : K233 K241 and 1	(2/2						·							

TABLE K.3.1.1 (1) Financial Crop Budget per Ha under Without and With Project Condition

- FALMIERS DATTIERS -	warout Proj	ert Condi	IOB.			X c a r						Total		Amou	nt ·
lteris	Unit	I st	2 nd	3 (4	4 th	50	6 th	7 th	8 th	9 th	10 th	(10 years)	Unit Price	10 years	25 years
RCIAS	Can	1 31	2110		7 41							(2)	(b) (D.)	(2 x b) (D.)	(D.)
GROSS INCOME													1		
Production	ke.					1,200	3,500	4,600	5,800	5,800	5,800	26,700	1.025	27.368 (c)	116.54
Production Value	D.	•				F,230	3,588	4,715	5,945	5,945	5,945	·		(1,095)	(4.66
PRODUCTION COST													· ·	7	
Farm Ingets	i . :													1.0	
I) Seeds	seedling	200	20									220	1.500	330	33
2) FYM/ Compost	100	5			5		•	5			5	20	10.000	200	45
3) Chemical Fertilizers	] '`` ]	,					4.							1 1	
- Ammonium nitrate	l kg	50	100	100	150	150	18)	150	150	150	150	1,300	0.230	299	81
- Super 45 (TSP)	1 1	50	75	75	100	100	100	100	100	100	100	900	0.238	214	57
Potassium sulfate	l is											`	0.422		
3) Agro-chemicals	**											·			- 4
- Insecticides	fit		1	2	2	2	2	2	2	2	2	17	18.700	318	87
- Fungicides	i ii		-	_	2	2	4	4	4	4	4	24.0	25.200	605	2,11
4) Water	m)	7.500	7.500	7.500	2,500	7,500	7.5(2)	7.500	7.500	7.500	7.500	75,000	0.020	1,500	3,75
4) Watti	1 "''	7			.,									3,466	12.5
1	<u> </u>													(139)	(357
Labous Requirement	]														
1) Land preparation	man day											-			
2) Transport of seedling	man-day														
3) Transplanting	man-day														
4) Fertilizer application	man-day										:				
5) Weeding	man-day														
6) Cleaning of plant	man-day			•		•									
7) Water management	man day	ļ.													
8) Pollination	man day					3	5	E	8	8	8	40	5.800	232	92
9) Harvesting	man-day					10	20	25	30	30	30	145	6.800	986	4,04
(0) Post harvesting	man-day	l								•				·	
Sub-total		l				13	. 25	33	38	38	38	185		L218	4.97
240.12.97	1	1					_	7-				(19)		(49)	(199
Miscellaneous		I													
(5% of above	1	5%	59	5%	5%	5%	5%	5%	5%	5%	5%			234	69
production cost)												100		(9)	(2)
								- 1			1		1.		
Total Production Cost	D.	250	252	240	363	401	537	644	627	627	679			4.918 (4)	14.58
	i .	l -~											l	(197)	(38)
Not Return per Ha	D.	-550	-252	-240	-363	829	3,051	4,071	5,318	5,318	5,266		Total	27.449	101.96
(c - d)	J ".	l ""	-2.72				20.04	.,					(D./ha/year)	(898)	(4,079

- PALMIERS DATTIERS -	1			<del></del>		Year		<del></del>			-	Total	<del></del> ,	Amoun	1
Items	Unit	ł și	2 54	3 ed	4 th	5 th	6 th	7 th	8 th	9 th	10 th	(10 years)	Unit Price	10 years	25 years
GROSS INCOME Production	kg			- - • •		1,300	4,000	5,300	6,600	6,600	6,600 6,765	(a) 30,400	(b) (D.) 1.025	(a x b) (D.) 31.160 (c) (1,246)	(D.) 132,63 (5.30)
Production Value	D.	<u> </u>				1,333	4,100	5,433	6,765	6,765	0,703			(1,240)	
PRODUCTION COST Farm Inputs 1) Seeds 2) FYM/ Compost	seculing Ion	200 5	20		s			5			<b>S</b>	220 20	1.500 10.000	330 200	3. 4.
3) Chemical Fertilizers  - Ammonium nitrate  - Super 45 (TSP)  - Potassium sulfate	kg kg kg	50 50	120 90 45	120 90 45	120 120 60	180 120 60	180 120 60	180 120 60	180 120 60	180 120 60	180 120 60	1,490 (070 510	0.230 0.238 0.422	343 255 215	9: 6: 5:
3) Agro-chemicals - Insecticides - Fungicides 4) Water - Fungicides - Fungicides - Fungicides	lit kg m3	11,700	11,700	2	2 2 11,700	2 2 11,700	2 4 11,700	2 4 11,700	2 4 11,700	2 4 11,700	2 4 11,700	17 24.0 117.000	18.700 25.200 0.020	318 605 2,340 4,605	8 2,1 5,8 11.8
Labour Requirement 1) Land preparation 2) Transport of seedling 3) Transplanting 4) Fertilizer application 5) Weeding	man-day man-day man-day man-day man-day													(184)	(4)
6) Cleaning of plant 7) Water management 8) Pollination 9) Harvesting	man-day man-day man-day man-day		٠			3 10	5 25	8 40	8 45	8 45	8 45	40 210	5.800 6.800	232 1,428	5 6.0
10) Post harvesting Sub-total	man-đay					13	30	. 4.8	53	53	53	250 (25)		<u>1.660</u> (56)	6.5 (2
Miscellancous (5 % of above production cost)		5%	5%	5%	54	5%	5%	<b>5</b> 7	5%	5%	5%		·	313 (13)	•
Total Production Cost	D.	638	368	156	126	528	200	878	861	861	913			<u>6.579</u> (d) (263)	19. (7
Net Return per Ha	D.	-638	-368	-356	476	805	3,400	4,555	5,904	5,904	5,852		Total ( (D./ha/year)	24.581 (983)	112.

TABLE K.3.1.1 (2) Financial Crop Budget per Ha under Without and With Project Condition

OCIVE - Without Project C	ondition													<u> </u>	•
						Year	-					Total		Amo	
Bems	Unit	1 51	2 nd	314	4 15	5 th	6 th	7 th	8 th	ን ነስ	10 th	(10 years)	Unit Price	10 year	25 yea
GROSS INCOME Production Production Value	, kg D.					1,200 480	3,700 1,480	4,900 1,960	6,100 2,440	6,100 2,440	6,100 2,440	(2) 28,100	(b) (D.) 0,400	(a x b) (D.) 11.240 (c) (450)	(D.) 42.4 (1.9
RODUCTION COST Farm Injuts 1) Seeds 2) FYM/Composi 3) Chemical Fertilizers Ammonium nitrate	seedling ton	150 3	15 50	. 75	3 75	75	15	3 75	75	75	3 75	165 12 700	2.000 10.000	330 120	
- Super 45 (TSP) - Potassium sulfate 3) Agro-chemicals	k g	50	50	75	75	75	15	15	75	75	75	700	0.238 0.422	167	
- Insecticides - Fungicides 4) Water	Jis Eg m3	4,630	4,630	2 4,630	4,630	4 4,630	4 4,630	4,630	4 4,630	4 4,630	4,630	29 46,300	18.700 25.200 0.020	926 2.246	1 2 5
Labour Requirement  1) Land preparation  2) Transport of seedling  3) Transplanting  4) Fertilizer application  5) Weeding  6) Trimming  7) Water management	man day man day man day man day man day man-day man-day man day		3	5	10	15	15	15	15	15	15	108	5.800	(90) 626	, i
B) Harvesting     Post harvesting     Sub-total	man-day		ž	5	10	20	25	<u>n</u>	30	30 30	30	72 180 (18)	6.800	490 <u>L.116</u> (45)	3.
Miscellaneous (5 % of above production cost)		5%	5%	5*	5%	5%	597	5%	59	59	5%	. (18)		168	(1

D.

(c · d)

9.854 (394) 37.956 (1,520)

3,530 (d) ((4))

7.710 (308)

Total (D./ha/year)

		1				rear		<u> </u>				Total		Атюч	
iums	Unit	1 st	2 nd	3 rd	4 th	. 5 th	6 16	7 th	8 th	9 th	10 th	(10 years)	Unit Price	10 year	25 years
GROSS INCOME Production Production Value	kg D.					1,400 560	4,100 1,640	5,400 2,160	6,800 2,720	6,800 2,720	6,800 2,720	(a) 31,360	(h) (D.) 0,400	(a x b) (D.) 12.520 (c) (501)	(D.) <u>53.31</u> (2.13)
PRODUCTION COST	35.63			· · · · ·											(-,,,,,
Farm Inputs											1		1 1		
1) Sceds	secting	150	15								200	165	2.000	330	3
2) FYM/ Compost	ton	3			3	100		. э	4.		3	12	10,000	120	2
3) Chemical Fertilizers					de la company		100	. ·	100	11	1	1.5			_
- Ammonium nitrate	k g	50	50	75	100	100	100	100	100	100	100	875	0.230	201	5.
- Super 45 (TSP)	L g	50	50	75	100	100	100	100	100	100	100	875	0.238	208	5
· Potassium sulfate	l g	25	38	38	50	50	50	50	50	50	50	451	0.422	190	5
Agro-chemicals     Insecticides											100				
- Insecucioes - Fungicides	111		- 1	2	. 2	4	4	4	4	. 1	4	29	18.700	542	1,6
4) Water	kg m3	5.820	5.820	5.820	5.820	5.820	5,820	. e ean	£ 020	5.000	- I	. :9	25 200	227	6
4) 77 21(1	110	2,820	3,820	0,820	3,820	3,5.11	3,4.0	5,820	5,820	5,820	5,820	58,200	0.020	1,164	2,9
•														2.983	2.3
Labour Requirement									100					(119)	(29
i) Land proparation	man-day												4.5		
2) Transport of seedling	man-day								. *		100	1.			
3) Transplanting	man-day							-				·		1	
4) Fertilizer application	man day												5	i .	*
5) Weeding	man-day														
6) Trimming	man day		3	5	10	15	15	15	15	- 15	15	108	5.800	626	1,9
7) Water management [	man-day					1.							1,217	157	-17
Ifarvesting	man-day					5	12	16	18	. 18	18	87	6.800	592	2,4
9) Post harvesting	man day					•		-1 -			4.5				
Seb-total			3	5	10	20	21	31	333	33	23	195		1218	4.3
												(20)		(49)	(17
Miscellaneous					1									<b>l</b> .	1.00
(5 % of above		5%	5%	5%	5%	5%	5%	57	5%	5%	S-7			210	5
production cost)														(8)	(2
Total Production Cost	b.	504	259	272	263	426			*10		***	:			
TOTAL PROPERTY OF COM	٠, ١	2.74	238	214	352	5-0	476	535	518	518	55Q			44H (g)	12.3
						<del></del> -								(176)	(49
Not Return per Ha	D. ]	-504	-259	-272	-352	134	1,164	1,624	2,202	2,202	2,170		Total	\$700	40.9

TABLE K.3.1.1 (3) Financial Crop Budget per Ha under Without and With Project Condition

- POMEGRANATE - Witho		Viid III										Total		Amou	
	Unit	Lsi	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th	(10 years)	Unit Price	10 years	25 years
licins	C4011		2110	310	- 14II	υ μι						(a)	(b) (D.)	(a x b) (D.)	(D.)
GROSS INCOME												46,500	0.287	13346 (c)	56.82
Production	kg					2,000	6,100	- 8,100	10,100	10,100	10,100	40,500	Q.267	(534)	(2,27
Production Value	D.	l :				574	1,751	2,325	2,899	2,899	2,899			1334)	[2,27
PRODUCTION COST															
Farm Inputs														***	22
1) Seeds	seeding	400	40									440	0.500	220	
	ion		•		5			5			5	20	10.000	200	- 45
2) FYM/ Compost	ion	•			•								1		
3) Chemical Femilizers		30	50	75	100	100	100	100	100	100	100	875	0.230	201	54
<ul> <li>Ammonium nitrate</li> </ul>	kg			35	50	50	50	50	50	50	50	435	0 238	104	28
- Super 45 (TSP)	kg	25	25			100	100	100	100	100	100	875	0.422	369	1,00
- Potassium sulfate	kg	50	50	75	300	100	POA)	iw	100		100	٠,,,		100	
3) Agos-chemicals						_				2	. 2	17	18.700	318	87
- Insecucides	lšt	l.	- 1	. 2	2	2	2	2	2			31	25.200	781	2,29
- Fungicides	1g		- 1	2	4	4	4	. 4	4	4	4			1,210	3.02
4) Water	m3	6,050	6,050	6 (050)	6,050	6,050	6,050	6,050	.6,050	6,050	6,050	60,500	0.020		
1, 11221														3,493	8.69
		1												(136)	(349
Labour Requirement	i														
Land preparation	man-day	l .													
	man-day														
2) Transport of seedling															
3) Transplanting	man day												1		
4) Fertifizer application	man-day													٠,	100
5) Weeding	man-day					10	10	- 10	10	10	10	78	5,800	452	1,32
6) Trimming	man-day		3	. 5	10	10	10	- 10	ŧv.	10					- 17
7) Water management -	man-day						44	30	40	40	40	180	6.800	1,224	5,30
8) Harvesting	man day					10	20	50	40	10	40	100	16170	1	
9) Post harvesting	man-day									***	•0	258		1.676	6.62
Sub-total			3	5	10	20	30	40	50	50	50			(67)	(26)
												(26)		(07)	120.
Miscellancous										1 1				254	76
(5 % of above	1	59	5%	5%	5%	59	54	5%	5%	5%	59				(3)
production cost)	1	i										4	1	(10)	(3
production cost)		1									•				
Build Bud and Care	D.	430	253	310	462	485	551	681	700	200	152	100		5,334 (4)	
Total Production Cost	I	2.31	4.32	214	261	222					· <u></u>	1.0	i	(213)	(64
	<del> </del> -	-	<del></del>				4 46 -		1.100	2,199	2,147		Total	8.012	40.73
Net Return per Ha	D.	-430	-253	-310	-467	89	1,194	1,644	2,199	2,199	2,647		(D/ha/year)	(320)	(1,62
(c - d)	1	1											T (Dana) (m)	1,220	1,00

- POMEGRANATE - With I	roject Cond	lition										Total		Amou	ni
								7 th	R th	9 ih	10 ib	(10 years)	Unit Price	10 years	25 years
liems	Unit	51	2 nd	3 (4	4 th	5 th	6 th	<i>j</i> tri	au .	9411	10 6	(2)	(b) (D.)	(1 x b) (D.)	(D.)
GROSS INCOME							1	1. 3	1	42 2					المواضع الأ
Production	1 g					2.400	7,100	9.400	11,800	11,800	11,800	54,300	0.287	15,584 (c)	66.38
Production Value	D.		1 4		1.0	689	2.038	2,698	3,387	3,387	3,387			(623)	(2,655
														1.0	
PRODUCTION COST				4 L				100					į	7 1	
Parm Inputs		1		:			100					440	0.500	220	22
1) Seeds	seedling	400	. 40	:			100	. 5			4	20	10,000	200	45
2) FYM/Compost	LON	5	1 1	1.0						1 3			, , ,		
3) Chemical Fertilizers	1			4.1.12		44.5	125	125	125	125	125	1,075	0.230	247	67
- Ammonium nitrale	kġ	50	50	100	125	125		75	75	75	75	625	0.238	142	41
- Super 45 (TSP)	kġ	25	25	50	75	75	75		125	125	125	1.075	0.422	454	1,24
- Potassium sulfate	kg	50	50	100	125	125	125	F 125	143	123	123	. 1,073	0.722		**
3) Agro-chemicals		i								- 4		)7	18.700	318	87
- Insecticiões	lit		1	2	2	. 3	. 2	2			4	31	25.200	781	2.29
- Fungicióes	10	. '	1	2	4	. 4	. 4			4	•	82,500	0.020	1,650	4,12
4) Water	m3	8,250	8,250	8,250	8,250	8.250	B,25Q	8.250	8,250	8,250	8,250	82,500	0.020	4.012	10.30
														((61)	(41)
								-						(101)	1,411
Labour Requirement											+		]		
1) Land preparation	man day												l '		
2) Transport of seedling	man day													1.0	
3) Transplanting	man-day											•		ļ ·	
4) Fertilizer application	man day							. :				- P	1	ļ	
5) Weeding	man day						- :				1		1 3424		
6) Trimmier	man day		. 3	5	- 10	10	10	10	`. IO	10	10	78	5,800	452	1,32
7) Water management	man day									*	1	7 1 1			
8) Harvesting	пал дау					10	25	35	45	45	45	205	6.800	1,394	5.98
9) Post baryesting	man day												:		1 22
Sub-total	1 50)		3	5	10	20	35	45	55	- 55	55	283	j '	1.846	1.3
SOP WAS			-	-	_							(28)		(74)	(29)
Miscellancous	l ·												l .	293	
(5% of above		. 5%	57	5%	57	57	5%	5%	5%	5%	5%		l		88
production cost)													1	(12)	(3
<b>3.0223</b> , (11.00)		1											1	2 140 141	18.49
Total Production Cost	D. 1	476	222	322	536	555	662	786	B05	805	851			\$.158 (d)	
A RIGHT SAN PROPERTY AND ADDRESS OF THE PARTY		l							<u> </u>				ļ	(246)	(74
<del></del>	1		`a,		-536	134	1,376	1,912	2.582	2,582	2.530		Total	9.426	42.8
Nei Return per Ha	] D.	476	-299	-377	3,90	1.3-1	1,570	1,712	2,004		-14-50		(D./ha/year)	(377)	(1,9)
(c · d)															

TABLE K.3.1.1 (4) Financial Crop Budget per Ha under Without and With Project Condition

- APLICOT - Without Project	t Condition											1. 542.5		40.00	
	T T		· · ·			Year						Total		Amou	
Items	Unit	1 51	2 nd	3 14	4 th	5 1h	6 th	7 th	8 IA	9 ih	10 th	(10 years)	Unit Price	10 years	25 year
GROSS INCOME	1											(2)	(b) (D.)	(axh) (D.)	(D.)
Production	l ig					2,500	1.600	10.000	12,600	12,600	12,600	57,900	0,493	28.545 (c)	121.72
Production Value	l å l					1,233	3,747	4,930	6,212	6,212	6,212	31,500		(1,142)	(4,86
·	<del>  </del>					- 32	3,147	7,7,7	17,212	17,612	4,414			(1112)	11,00
PRODUCTION COST	1 1												· .		
Farm Inputs	l i												0.000		
I) Seeds	seedling	400	40		_			_			_	440	0.800	352 200	3.
2) FYM/Compost	ton	5			5			5			. 5	20	10.000	200	4:
3) Chemical Fertilizers	1														٠.
- Ammonium Nitrate	l ig	50	50	75	150	.150	150	150	150	150	150	1,225	0.230	282	29
- Super 45 (TSP)	kg	25	25	35	50	50	50	50	50	50	50	435	0.238	104	Ži
- Potassium Sultate	l g	50	50	75	100	100	100	100	100	100	100	875	0.422	369	1.00
3) Agro-chemicals	1 1							100				11.24		1	
<ul> <li>lasecticides</li> </ul>	BL		1	2	2		2	2	2	2	2	17	18 700	318	8
- Fungicides	l tg		1	2	4 .	. 4	4	4	- 4		4	31	25.200	781	229
4) Water	] m3	6,050	6,050	6,030	6,030	6,050	6,050	6,050	6,050	6,950	6,050	60,500	0.020	1,210	3.0.
	i													1.616	2.0
and a second of the	l - I													(145)	(36
Labour Requirement	1												ŀ	Į.	
<ol> <li>Land preparation</li> </ol>	man-day												1		
2) Transport of seeding	man-day												İ		
3) Transplanting	man day												1	j	
4) Fertilizer application	man-day														
5) Weeding	man-day		_	_										1 12	
6) Trimming	man-day		3	5	10	10	10	10	10	10	10	78	5.800	452	1,32
7) Water management	man-day	;								100		222	1.1.1	1	2.
8) Harvesting	man-đay					10	30	50	60	60	60	270	6.800	I 836	7.9
9) Post harvesting	man-day		_									3.1	•	1.50	1.1
Sub-total	1		3	5	10	20	40	60	79	70	70	348		2.288	2.2
B 60 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1	1 1											(35)		(92)	(37
Miscellaneous	1 1	5%	59					÷			.~		1		
(5% of above	I I	Э¥	3.4	5%	5 <b>7</b>	57	5%	5%	5%	5%	5%	* -	I	295	91
production cost)													I	(12)	(3)
Total Production Cost	ь.	556	265	310	470	497		836		854	907	•	l · .		10.3
LONI PLOSON DOB COS		230	. 202	219	479	421	640	₽20	854	\$2 <del>4</del>	5255	. :		6.199 (4)	19.27
<del></del>	1					<del></del>		<del></del>		<del></del> .		<u>_</u>	}	(248)	(77
Net Return per Ha	D.	-556	-265	-310	479	736	3,107	4,094	5,358	5,358	5,305		Total	22 345	192.44
(c - d)	1 1												(D/ha/ycar)	(894)	(4,09

						Year						Total		Amou	nt
1sems	Unit	181	2 rd	3 rd	4 th	5 th	6 th	7 th	8 13	9 th	10 th	(10 years)	Unit Price	10 years	25 years
GROSS INCOME					*		- 1					(a)	(b) (D.)	(a 1 b) (D)	(D.)
Production	12					2,800	8,400	11,200	14,000	14,000	14,000	64,400	0.493	31,749 (c)	135.27
Production Value	b.	•		. •		1,380	4,141	5,522	6,902	6,902	6,902	<b>U</b> 11,150	,	(1,270)	(5.41)
PRODUCTION COST					- :										
Farm Inputs	3 3													1.	
1) Seeds	seedling	400	40									440	0.800	352	3.
2) FYM/Compost	tça	5			5			. 5			5	20	10.000	200	45
<ol><li>Chemical Fertifizers</li></ol>	l														4
- Ammonium Nitrate	1g	50	50	150	180	180	80	180	180	150	180	1,510	0.230	347	96
- Super 45 (TSP)	kg	- 25	25	50	75	75	75	75	75	75	75	625	0.238	149	1.41
- Potassium Sulfate	1.0	50	50	100	125	125	125	125	125	125	125	1075	0.422	454	3.24
3) Agro-chemicals														1.5	
- Insecticides	) lie		1	2	2	. 2	2	. 2	. 2	2	2	17	18.700	318	8
- Fungicides	l Is		1	2	4	4	. 4	4	•	. 4	4	31	25.200	781	. 229
4) Water	m3,	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	82,500	0.020	1,650	4,17
														4.251	10.7
							٠.							(170)	₹425
Labour Requirement															
i) Land preparation	man-day												1	•	
2) Transport of scedling	тап-сау													l .	
3) Transplanting	man-day												1		
4) Fortilizer application	man-day									-				1	
5) Wording	man-day														
6) Trimming	man-day		- 3	5	10	10	10	01	10	10	10	78	5.800	452	1,32
7) Water management	man day														
f) Harvesting	man-day					10	30	50	70	70	70	300	6.800	2,040	9.18
9) Post harvesting	man day														-
Sub-tetal			3	. 5	10	20	40	60	80	80	80	378		2,492	10.50
												(38)		(100)	(420
Miscelfancious	! I										· .				
(5% of above		5%	59-	5₩	5%	5%	5%	5 TE	5%	5%	5%	1 1		337	1.06
production cost)														(13)	[4]
1 11 1 1 1												•			
Total Production Cost	D.	602	312	389	519	561	211	906	227	292	1.049			2.080 (d)	22.29
<del> </del>											<del></del>			(283)	(892
Net Return per Ha	D.	-602	-312	-389	-549	812	3,430	4,616	5,905	5.905	5,853		Total	24.669	112.98
(c · d)	, "			200			-,	-,010	-,500	-,505			(D/ba/year)	(937)	(4,519

TABLE K3.1.1 (5) Financial Crop Budget per Ha under Without and With Project Condition

- FIG - Without Project Con		r			<del></del>							Total	Γ	Ато	
liems	Unit	1 st	2 nd	3 rd	4 th	5 เก้	6 th	7 ch	8 th	9 th	10 th	(10 years)	Unit Price	10 years	25 yea
GROSS INCOME Production Production Value	kg D.				-	850 327	2,500 963	3,400 1,309	4,300 1,656	4,300 1,656	4,300 1,656	(a) 19,650	(b) (D.) 0.385	(a x b) (D.) 2,565 (c) (303)	(D.) 32,39 (1,29
PRODUCTION COST Farm Inputs 1) Seeds 2) FYM/Compost	seedling ton	400 5	40		. 5			5		<u>-</u>	5	440 20	1.000	440 200	± 4 4:
3) Chemical Fertilizers - Ammonium Nitrate - Super 45 (TSP) - Potassium Sulfate	kg kg kg	50 25	50 25	75 35	100 50	100 50	100 50	. 100 . 50	100 50	100 50	-100 50	875 435	0.230 0.238 0.422	201 104	5 2
3) Agro-chemicals - Insecticides - Fungicides 4) Water	lit kg m3	6,050	6,650	2 1 6,050	2 1 6,050	2 1 6,050	2 1 6,050	2 1 6,050	2 1 6,050	2 1 6,050	2 1 6,050	17 9 60,500	18,700 25,200 0,020	318 227 1,210 2,699	8 6 3,0 6,2
Labour Requirement  1) Land preparation  2) Transport of seeding  3) Transplanting  4) Fertilizer application  5) Weeding	man-day man-day man-day man-day man-day						:							(108)	(24
Trimming     Water management     Harvesting	man-day man-day man-day		3	5	10	10	10 20	10 30	10 40	10 40	10	78 180	5.800	452 1,224	1,3 5,3
9 Post harvesting Sub-total	man-day		. 3		ĮQ.	20	30	40	50	50	50	258 (26)		1,676	£.5 (20
Miscellancous (5 % of above production cost)		5%	5%	5%	5%	5%	5%	5%	<b>5%</b>	5%	5%	,		443 (18)	9
Total Production Cost	D.	618	252	250	343	362	433	552	576	\$76	628			4,819 (d) (193)	13.8
Net Return per Ha (c - d)	D.	-618	-252	-250	-343	-35	530	752	1,080	1,080	1,028		Total (D./ha/year)	2.746 (110)	18.5

Items  GROSS INCOME  Production  Production Value	Unit	l st	2 nd												
Production			2 DG	3 rd	4 th	5 th	6 th	7 th	Buk	9 ch	10 th	(10 years)	Unit Price	10 years .	
Production												(a)	(b)(D.)	(a x b) (D.)	(D.)
	kg					970	2.900	3,900	4,800	4,800	4.800	22,170	0.385	8,535 (c)	36.25
	D.	ı	1.5			373	1.117	1,502	1,848	1,848	1.848	22.10	0.505	(341)	(1,450
PRODUCTION COST	<u> </u>	<del>                                     </del>	*		····	313	. 1,111	1,302	1,040	1,040	1,075			12717	11,00
			3 (1)		4.4		5 - 4								
Farm Inputs		400	40								100	440	1.000	440	44
1) Seeds	seedling	100	40				1.7					20	10.000	200	45
2) FYM/Compost	ioa	, ,	:		5		1	,			, ,	20	10.003	200	4.3
3) Chemical Fertilizers		- ^^	**	100	135		126	100	125	25	125	975	0.230	224	65
- Ammonium Nitrate	kg	50 25	50 25		125 75	125 75	125 75	· 125	75	75	75	625	0.238	149	41
- Super 45 (TSP)	Lg.	25	23	50	13	13	13	. 13	' ')	"	1)	023	0.432	149	41
Potassium Sulfate	kg	1	•	,			4.5						0.472		
3) Agro-chemicals		1		•	_				•			. 17	18,700	318	87
- Insecticides	lit	1	. !				2	- 4		2		25	25.200	630	176
· Fungicides	kg		0.000	0.364	0.000	3	3	. 0.260	4 3 6 4	0.340	0.40		0.020		
4) Water	Em	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	82,500	0.030	1,650	4,12
	*	1										. 1	*	3.611	8.73
		1											1.	(144)	(349
Labour Requirement		1												· ·	
Land preparation	man-day														
2) Transport of seedling	тап-фау														
3) Transplanting	man-day					·						* 4			
4) Fertilizer application	man-day														
5) Weeding	man-day					- 1		4.4			100				
6) Trimming	man-day		- 3	5	10	- 10	10	10	10	10	10	78	5.800	452	1,32
7) Water management	пъл фау														
8 Harvesting	man-day					10	25	35	45	45	45	205	6.800	1,391	5,98
9 Post harvesting	man-day	i													
Sub-total		1	3	. 5	10	20	35	45	55	55	55	283	1	1.816	1.30
		1 .										(28)		(74)	(29)
Miscellaneous		1												1	
(5% of above		5%	57Ł	5%	5%	57£	5%	5%	5 Te	5%	5%			553	1,25
production cost)		i							."					(22)	(50
e i a più a i i o i a con		24.	300	350	484	437	580	204	223	622	276		1 1	601045	114
Total Production Cost	D.	664	298	359	4.54	473	2.80	ΔA	153	DXX	770			6,Q1Q (d) (240)	(69)
Net Return per Ha	D.	-664	-298	-359	454	-100	537	798	1,125	1,149	1,072		Total	2.525	18.90

Table K.3.1.1 (6) Financial Crop Budget per Ha under Without and With Project Condition

•				•	· Ť · Ť								
	·····			CAI	RROT		<del></del>				URNIP	<del></del>	
		Without	Project Co			roject Con	dition	Without	Project C			roject Con	dition
ltems	Unit	Unit Price			Unit Price			Unit Price		Amount		Quantity	
GROSS INCOME Preduction	kg	(D.) 0.109	20,500	(D.) 2,235	(D.) 0.109	23,100	(D.) 2,518	(D.) 0.201	20,000	(Đ.) 4,020	(D.) 0.201	22,500	(D.) 4,52
PRODUCTION COST Farm Inputs		*****			24.00			13.600	8.0	108	13.500	 8.0	108
I. Sceds	kg	24.100	5.0	121	24.100	5.0	121	13.500			L '		
2. FYM/ Compost	ton	10.000	2.5	25	10.000	3.0	30	10.000	2.5	25	10.000	3.0	30
3. Che mical Fertilizer  - Ammonium Nitrate  - Super 45 (TSP)  - Potassium nitrate  - Potassium sulfate	kg kg kg	0.230 0.238 0.880 0.422	100 100 50	23 24 21	0.230 0.238 0.880 0.422	125 125 50	29 30 21	0.230 0.238 0.880 0.422	100 125	23 30	0.230 0.238 0.880 0.422	125 150 50	25 30 21
Agro-chemicals     Insecticides     Fungicides	lit kg	18.700 25.200	2	37 101	18.700 25.200	2	37 101	18.700 25.200	2 4	37 101	18.700 25.200	2 4	3 10
5. Water Sub-total	m3	0.020	2,500	50 381	0.020	3,900	78 <u>425</u>	0.020	2,500	50 <u>374</u>	0.020	3,900	41
Labor Requirement 1. Land preparation 2. Nursery/ sowing 3. Transplanting/ Sowing	man-day man-day man-day			:						·			
4. Fertilizer application 5. Plant protection 6. Hoeing / Weeding 7. Water management	man-day man-day man-day man-day												_
8. Harvesting 9. Post barvesting	man-day man-day	5,800	60.0	348	5.800	70.0	406	5.800	60.0	348	5.800	70.0	40
Total			60.0	348	1	<u> 20.0</u>	406		60.0	243	1	70.0	40
Miscellaneous  5 % of above cost				36	,		42			36			· 4
Total Production Cost	D.			765			873		· 	258	<u></u>		86
Net Return per Ha	D.			1,470			1,645			3,262			3,65

					ION						EY BEAN		
			Project C			roject Cor			Project C			roject Cor	
Items	Unit	Unit Price	Quantity	Amount	Unit Price	Quantity	Amount	Unit Price	Quantity	Amount (D.)	Unit Price	Quantity	Amount (D.)
GROSS INCOME Production	(kg)	(D.) 0.186	21,000	(D.) 3,906	(D) 0.186	23,800	(D.) 4,427	0.370	10,400	3,848	0.370	11,700	4,329
PRODUCTION COST  Farm Inputs 1. Seeds	kg	59.000	3.0	177	59.000	3	177	1.500	6.0	9	1.500	6	5
2. FYM/Compost	toa	10.000	2.5	25	10.000	3.0	10	10.000	2.5	25	10.000	3.0	30
3. Chemical Fertilizer  - Ammonium nitrate  - Super 45 (TSP)  - Potassium nitrate  - Potassium sulfate	kg kg kg	0.230 0.238 0.880 0.422	100 100 50	23 24 21	0.230 0.238 0.880 0.422	125 125 40	29 30 17	0.230 0.238 0.880 0.422	50 125 50	12 30 21	0.230 0.238 0.880 0.422	75 150 75	17 36 66
Agro-chemicals     Insecticides     Fungicides	lis kg	18.700 25.200	2 4	37 101	18.700 25.200	2 4	37 101	18.700 25.200	2 4	37 101	18.700 25.200	2 4	3 10
5. Water Sub-total	m3	0.020	2,500	50 <u>437</u>	0.020	3,900	78 482	0.020	2,500	50 263	0.020	3,900	7: 31:
Labor Requirement  1. Land preparation  2. Nursery  3. Transplanting/ Sowing  4. Fertilizer application  5. Plant protection  6. Hooling / Weeding	man-day man-day man-day man-day man-day man-day		:										
7. Water management 8. Harvesting 9. Post harvesting Total	man-day man-day man-day	5.800	60.0 60.0	348 348	5.800	60.0 60.0	348 348	5.800	60.0 60.0	348 348	5.800	80.0 80.0	46 46
Miscellaneous 5 % of above cost Total Production Cost	. D,			39 824			41 871			943 37			4 88
Net Return per Ha	D.			3,082		:	3,556			3,206		*.*	3,44

Source: Farm economic survey by JiCA Team, 1995

Table K.3.1.1 (7) Financial Crop Budget per Ha under Without and With Project Condition

	*			PEI	YER		• ;				MATO		- · · · · · · · · · · · · · · · · · · ·
		Without	Project Co	อกตีเชื้อก		Project Con		Without	Project Co	ondition		Project Cor	
Items	Unit	Unit Price	Quantity	Amount		Quantity		Unit Price	Quantity	Amount	(D.)	Quantity	(D.)
GROSS INCOME Production	kg	(D.) 0.874	9,200	(D.) 8,041	(D.) 0.874	10,300	(D.) 9,002	(D.) 0.310	20,900	(D.) 6,479	0.310	23,400	7,254
PRODUCTION COST Farm Inputs 1. Seeds	kg	156.200	5.0	781 25	156.200 10.000	5.0 3.0	781 30	72.500 10.000	5.0 2.5	363 25	72.500	5.0 3.0	363 30
2. FYM/ Compost	ton	10,000	2.5	23	10.000	. 3.0	.50	10.000	2.3				
3. Chemical Fertilizer    - Ammonium Nitrate    - Super 45 (TSP)    - Potassium nitrate    - Potassium sulfate	kg kg kg kg	0.230 0.238 0.880 0.422	100 125	23 30	0.230 0.238 0.880 0.422	125 125 50	29 30 21	0.230 0.238 0.880 0.422	100 125	23 30	0.230 0.238 0.880 0.422	125 150 50	29 36 21
4. Agro-chemicals - Insecticides - Fungicides	lit kg	18.700 25.200	2	37 101	18.700 25.200	2 4	37 : 101	18.700 25.200	. 2 . 4	37 101	18,700 25,200	2 4	. 37 101
5. Water Sub-total	m3	0.020	2,500	50 1.047	0.020	3,900	78 1.086	0.020	2,500	50 628	0,020	3,900	67.
Labor Requirement 1. Land preparation 2. Nursery/ sowing 3. Transplanting/ Sowing 4. Fertilizer application 5. Plant protection	man-day man-day man-day man-day man-day			: * : *									
Floring / Weeding     Water management     Harvesting     Post harvesting	man-day man-day man-day man-day	5.800	60.0	348	5.800	70.0	406	5.800	60.0	348	5.800	70.0	406
Ical			60.0	<u>348</u>	1	70.Q	406	Ī	60 Q	343		70.0	400
Miscellaneous 5 % of above cost	. 5			70			25			49		•	54
Total Production Cost	D.			1.465	<u> </u>	:	1.566	<u> </u>		1.025			1.13
Net Return per Ha	0.			6,576			7,436	l.,		5,454	<u> </u>		6,121

				LUC	ERN						NNA		
4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17.	Without	roject Co			roject Con	dition	- Without	Project Co	ondition		roject Con	
Items	Unit	Unit Price			Unit Frice (D.)	Quantity	Amount (D.)	Unit Price (D.)	Quantity	Amount (D.)	Unit Price (D.)	Quantity	Amount (D.)
GROSS INCOME	د د د د و آهراد	0.053	54.400	2.883	0.053	65,300	3.461	1.839	1,400	2,575	1.839	1,700	3,126
Production	(kg)	0.053	34,400	2,003	0.033	05,500	-,,,,,,,	1.033	.,,,,,,				<del></del>
PRODUCTION COST	1 11 7	1, 1			•			1		1.5	* 1	1.	
Farm Inputs			100	43	4.300	- 10	43	2 100	20.0	42	2.100	20	42
1. Seeds	kg	4.300	10.0	1 1 7								1.5	13
2. FYM/ Compost	ton	10.000	1.0	10	10.000	1.5	15	10.000	1.0	10	10.000	. 1.3	
3. Chemical Fertilizer	11 m	٠.								1.	i		
- Ammonium nitrate	kg .	0.230	. 75	17	0 230	75	17	0.230	. 75		0.230	75	17
- Super 45 (TSP)	kg	0.238	125	30	0.238	150	36	0.238	125	30	0.238	150	30
Potassium nitrate	kg	0.880			0.880			0.880			0.880	4 . 4	_
- Potassium sulfate	kg	0.422			0.422	50	21	0.422			0.422	50	. 2
4. Agro-chemicals							,	18.700	2	37	18,700	. ,	3
- Insecticióes	lit	18.700			18.700			25,200	. 4	iối	25,200	4	. to
<ul> <li>Fungicides</li> </ul>	kg	25.200		4	25.200	1.		1				41.004	
5. Water	m3	0.020	7,500	150	0.020	11,700	234	0.020	7,500	150	0.020	11,700	23
Sub-total	1			250	l .		345	1:		387	ŀ		43.
Labor Requirement	1 * * .	•				1				:			• .
1. Land preparation	man-day			•			4						
2. Nursery	man-day	1									ì		
3. Transplanting/ Sowing	man-day			: :									
4. Fertilizer application	man-day	1 :											
5. Plant protection	man-day												
6. Hoeing / Weeding	man-day	i						1					
7. Water management	man-day	45	9.1	1.1	1.0		100			24.	5.800	60.0	349
8. Harvesting	man-day	5.800	60.0	348	5.800	70.0	406	5.800	45.0	261	3.800	00.0	34
9. Post harvesting	man-day			242		20.0	*^*	1	45.Q	261		60.0	34
<u>Teal</u>	• '		60.0	343		<u>70.0</u>	406		<b>∌2.</b> ¥	41/1		24.4	233
Miscellaneous				30			39			32			4
5 % of above cost		1		30	100		38			681	1.		87
Total Production Cost	D.	l		628	·		788	<u> </u>		<u> </u>	<u> </u>		<del></del>
Net Return per Ha	D.		-	2,255			2,672	ŀ		1,894	<u> </u>		2,255

Source: Farm economic survey by JICA Team, 1995

Table K.3.1.2 Incremental Financial Net Production Value per Ha

(Unit: D./ha)

		1. 11	<u> </u>					(Unit : L	)./ha)
		G G	ross Inco	me		Produc	tion Cost		
			Unit		Farm	Labor			Net
Description		Yield*	Price	Amount	Inputs	Cost	Others	Total	Return
		(tons)	(D./kg)	(a)				(b)	(a - b)
1. Arboriculture		:							
I.I Date Palm	Without Project		1.025	4,662	. 357	199	27	583	4,079
	With Project	5.18		5,305	475	278	37	790	4,515
Manifestor	Increment	0.63		<u>643</u>				<u> 207</u>	436
1.2 Olive	Without Project	4.78	0.400	1,914	217	158	19	394	1,520
	With Project	5.33		2,133	296	174	24	494	1,639
	Increment	<u> 0.55</u>		<u>219</u>				<u>100</u>	<u>119</u>
1.3 Pomegranate	Without Project	7.90	0.287	2,273	348	265	31	644	1,629
i i i i i i i i i i i i i i i i i i i	With Project	9.25		2,655	412	292		740	1,915
	Increment	1.35		382				<u>96</u>	286
1.4 Apricat	Without Project		0.493	4,869	363	371	37	<i>77</i> 1	4,098
1.4 Apricot	With Project	10.98	0.493	5,411	429	420	43	892	4,519
1	Increment	1.10		542	429	420	43	<u>121</u>	4,319 421
								.,,.,.,,	
1.5 Fig	Without Project		0.385	1,296	249	265	39	553	743
	With Project	3.77		1,450	349	292	51	692	758
	Increment	0.40		<u>154</u>				139	<u>15</u>
2. Vegetables		11		1				:	
2.1 Turnip*/Carrot	Without Project	20.00	0.201	4,020	374	348	36	758	3,262
	With Project	22.50		4,523	419	406	41	866	3,657
	Increment	2.50		<u>503</u>				108	<u>395</u>
2.2 Onion	Without Project		0.186	3,906	437	348	39	824	3,082
Z.Z Omon	With Project	23,80	, 0.160	4,427	482	348	41	871	3,556
	Increment	2.80		<u>521</u>	. 702	340	71	47	3,330 <u>474</u>
0.4.30.30.30			0.070		2/2	0.40			
2.4 Kindey Beans	Without Project		0.370	3,848	263	348	31	642	3,206
	With Project	11.70		4,329	374	464	42	880	3,449
	Increment	<u>1.30</u>	<u></u>	481				<u>238</u>	<u>243</u>
2.5 Реррег	Without Project		0.874		1,047	348	70	1,465	6,576
	With Project	10.30		9,002	1,086	406	34	1,526	7,476
	Increment	1.10		<u>961</u>	i			<u>61</u>	<u>900</u>
2.6 Tomato	Without Project	20.90	0.310	6,479	628	348	49	1,025	5,454
	With Project	23.40		7,254	673	406	54	1,133	6,121
	Increment	<u>2.50</u>		<u>775</u>	4.			<u>108</u>	<u>667</u>
2 F-44- C			*.			<del></del>	1 -	-	
3. Fodder Crops 3.1 Lucern	Without Project	54.40	0.053	2002	250	240	20	600	2 255
5.1 Lucem	Without Project With Project	54.40 65.30	0.053	2,883	250 345	348 406	30 38	628 789	2,255
	Increment	10.90		3,461	343	400	30		2,672
	mereinent	TA'37		<u>578</u>		<u> </u>		<u>161</u>	417
4. Industrial Crops									
4.1 Henna	Without Project	1.40	1.839	2,575	387	261	32	680	1,895
	With Project	1.70		3,126	482	348	41	871	2,255
	Increment	0.30		552				<u> 191</u>	<u>361</u>
					5 3 4 1 1 1 1 1 1		San territori		

Remark: Figures of arboriculture crops are estimated average yield and annual cost of 25 years.

Ref.: Tables K.3.1.1 (1) to (7)

Table K.3.1.3 Future Planted Area for Typical Farm in Oasis

	Koche Os	Kacha Osuis / Cafta	Oued Shili Oasis / Gafta	basis / Gafsa	Tozeur Oasis / Tozeu	sis / Toxeur	Hazoun 3 (	Hazoua 3 Oasis / Tozeur	П
	Total Oasis Area	Land Holding Size		Land Holding Size	Xotal Oasis Area	Land Holding Size	Total Oasis Area	and Holding Size	
	Planted	_	-	Planted	Planted	Planted Area Rano	Area Ratio	Area Ratio	
Description	Area Ratio	Area Katio	Area Kano	Aleu Laun		19	Ł	3	Γ
A. Farm Land	14 X69	1.06 ha per farmer		4		3			
B Planted Area	1.126 ha 161%	कावा व्यादा	45.12	7.33 ha 75%	ब्रह्मा व्य हारा	g	•	8 8 8	
Arboriculture	₹	(1.06)	_	_	(%001) (626)		_	36	
- Date palm								0.01	
Olive		67.0		-	957			9.0	<u> </u>
- Pomegranate	901 OC	70.0			4 0%	0.01	28.7	0.01	<u> </u>
Fig. und others	21 3%	0.03			378			0.03	
Fodder crops							200		
Lucem	165 24%	0,25 24%	7 13%					700	
Winter vegetables	(146) (21%)		(3) (2%)	(0.17) (5%)			(Q) (Q)	(8.5) (6.0)	
- Tump" / Carrot	50 7%						7.5	100	
Onion	S	0.08	- (1 \$ 18	0.00	10.00	0.01	1 0%	0:00	
• Aidhey beans.	5	٠.					(%) (7%)	(0.02)	
Pepper				,	35 4.8	0.05 84 84 84	18 18	0.00	
- Tomato		•							
Industrial crops								. •	
C. Cropping Intensity	ख	75 ·	ar ar	0.73 0.73	211 211	25.1 21.1	85.	2021	
ram mer nomenous									1
	Mensoure	Ossis / Kebili	Ather Os	Atilet Ossis / Kebili	Oakis de C	Oasis de Gabes / Gabes	Limpoure 1 et 2 Oasis /	sis / Cabes	T
	Total Oasis Area	Jasis Area Land Holding Size	Total Oasis Area	Land Holding Size	Toral Oasis Area	Land Holding Size	Total Oasis Area	Tang Golding Size	
	Planted	Planted	Planted.	Planted	Planted Ratio	Planted Ratio	Franted Ratio		-: 
	Area Kaho		Olica Adio	1	4	0.29 ha per farmer	4	1.25 hance farm	¥
A. Command Area		ara Cro				1 3		107 193	
8. Planted Area	4	द्धुवा च क्रिक	# # # # # # # # # # # # # # # # # # #	43581 Ed 95.00	कारा व जार जारा व जारा	Ī	(8,01)	1 1 1 1 1 1 1 1	
Arbonculture	(%001) (%)	(S)			•	0.19		0.01	
English Section	27. 4	0.0	•			0.0		0.16	
- Pomegranate			8°		236 32%	32%	8.14 8.25	80.0 41% 80.00 888	2,2
- Apricot	3 3%	96.01	13 68	800		0.0		0.51	1.5
Fodder crops		;		305	124 176	0.05	23 16%	0.19	٠,٠
Lucern	37 43%	0.11		1 10		(100)		(6.23)	_
Winter vegetables	(3) (4) (5)	(0.02)		(0.37)	-	0.01	16 11%	0.14	
- Turnip*/Carrot	38	•	40 18%	 :	10 13	0.00	14 9%	8 0.12 98	ار جر
- Kidney Beans	5%	0.00		0.10		800		7 6	
Summer vegetables	(%6) (8)	3	(13) (7%)	(0.05)	(23)	=	(50) (50) 16 118	6) (0.20) (10%) % 0.14 11%	2 V8
- Pepper	36	000				0.00		0.07	ı.
Industrial crops					200 27%	0.08 27%		4% 0.05 4%	F8
C. Croping Intensity	क्ष	991	185	3 <u>1</u> 2	គ្ន	1.55	21.4	গ্ৰহ	
Farm area utilization	1.52	75.1							7

Table K.3.1.4(1) Typical Farm Budget under Without and With Project Condition

Cutyped   Without Propage Continued   Cutyped   Without Propage Continued   Without	Punish Caca / Caca				Oued Shill	Oped Shiti Cours / Catsa			
Compact   Comp		ondition	Ŀ	Without Project Condition	١		With Project Condition		Deferments
1,00   1,00	Amount Cropped	Onit	Ľ.	:	١٠.	,	ľ	Į,	Amount
U.S.   1.00	(tons) (D/kg) (D.)	(g)/(g)	(e)	(ton/ha) (tons)	DAg) (D.)	(ha) (ton/ha) (tons)	ONG (B)	23	€ (3)
Lill			<del></del>	<b>1</b>		<b>.</b>		· · · :	
CONTRICT   CONTRICT	0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00	****	•	:	:				
Column   C	6.48 0,400 2,591 0,79	6.95 0.400	88	/CII C0	(40) (40)	יינט טיין זערייי	0.40	060'91	18
Column   C	2.15 0.493 1.057 0.11	0.18 0.287 2.31 0.401	4 5		787		0.287		
Color   Colo	0.24 0.385 94 0.03	0.26 0.385	, c		0.385		0.385		
Column	15.10 0.053 K00 0.25	16.38 O.053	37	0914		0.00			8
OOK   202   244   O.201   446   O.00   20.2   2.54   O.201   446   O.00   20.2   2.54   O.201   446   O.00   20.2   2.54   O.201   446   O.00   20.2   2.54   O.201   446   O.00   20.2   2.54   O.201   0.54   O.201			•	*C-1 16-24			CCCC		ŝ
COUNTY   15.1   2.18   0.18   2.45   2.45   0.18   2.45   2.45   0.18   2.45   2.45   2.45   0.18   2.45	242 0201 486 0,08	2.62 0.201	7						
C	0.9% 0.370 3.63 0.07	2.36 0.186 1.07 0.370	a e	10.0	0.186 223	0.06 22.1 1.33	0.136	7.4	2 4
0.008 30.2 2.27 0.374 359 0.10 11.0 15.5 0.874 913 74, 0.10 0.008 30.2 2.27 0.310 76.3 61 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.						•	2	:	i
1, 1, 1, 2, 2, 2, 2, 2, 3, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	0.96 0.874 X39 0.10	2,45 0,874	* 2		0.874		6.874		
Lill has 1615 (Coopping Interesty)			:		?		2	-	
C	1,839	1.839					1.839	T <sub>1</sub>	
C	(4)	Veropous mounts)	ÀG .	11 ha (Cropping Intensity)	1	Little 25% (Copy	(Cropping Intensity 16,281 (a)	3 (	7887
C	3.3				(a)			- 1	
Columnication   Columnicatio	١.	(3) (-2) = (3-8)	0.0	*	(#+6) = 13,394 (C)		(a+t)* 16.281	9 1	
1,000	And Constitution	Con		i lan	Unit Production Case		Vert Production Class		
O   1   354   64   0   11   790   877   23   17   18   18   18   18   18   18   18	-				(Mrs)	1.78	(D/DA)		
Color	<b>3</b> <u>1</u>	-	គរ	1.78	583 1,038	1.78	790	1,406	30
Colin		-	<u>,</u> 11		£.		4 5		
Cold   Cold			₩ 4		177		Ş.		
COOK   COOK							740		
COM		 	9	0.39	628° 245	0.39	788: 3	307	ŝ
O.004	5		×-		758		3		
Colin	\$ 4		<u></u> .	. 900	X24 4.5	90'0	148	ĸ	n
0.00	·					0.10		*	8
Control   Cont	<u>*</u> F		2 :	,	1,465		1,566		
Communication   Communicatio	:		٠	T	<u>.</u>		1,133		
1,21 ba		27.8			941		£.	-	
One person per year (D)   5.33 person/family***   One person of year (D)   5.33 person/family***     264		(b) <u>8:21</u>			6) 95-1	म्ब द्वा	-	(g)	24
264 43.5% 1.3% 201 45.5% 1.3% 201 45.5% 1.3% 201 45.5% 1.3% 2.3% 2.3% 2.3% 2.3% 2.3% 2.3% 2.3% 2	5.33 persons/family*** One per	CKECOL 5.33 per		TSON DOC YEAR (D.)	5.47 persons/family***	One person per year (D	5.47 person	on Camilyee	
69 12.1% 369 69 12.1% 309. 43 7.5% 220 43 7.5% 230 60 12.1% 209. 61 12.1% 209. 62 12.1% 209. 63 17 2.9% 200.0% 200	55.54 25.54	45.54		45.5%	¥.	361		i s	
A 7.5% 200 43 7.5% 250 7.5% 25	12,1%	£ &		χ. Σ. ξ.	\$ £			<b>3</b> 8	
ommunication 50 0.3% 193 36 34 125% 193 37 75% 25% 233 44 7.6% 233 44 7.6% 233 44 7.6% 233 11 2.5% 25% 233 24 100.0% 234 100.0% (0.∞0) 100.0%	7.5%	7.5%		1.54	ន័				
17 2.9% R8 17 2.9% R8 12 2.9% R8 13 2.000	5.3% 193 3.6%	\$ 79 M		6.79	8			. 8	
100.00 234 100.00 100.0	160 E	*6.71		7.0%	ရှိ ခ	4:		ล์	
(d + c) = 4597 (f)	100.0%: 3.059 (c)	100.0%	-+	100.07	3,190 (c)	274 100075		(§)	:
			206	p)	(i) 9884 = (i+		(0 + c) = 4.9	0) (65)	44
U. N. I. KANEKVE (C.D. 4.173 (C.D. 4.726 4.73)	(c - D = 4,173		ij	(6	. O. S.MAR		(c - 0 = 11,2	ž	2.400

Table K.3.1.4 (2) Typical Farm Budget under Without and With Project Condition

				Tanama	Toward Chain / Toyan									Натови	Harring & Caris / Toyon	ļ				
		Without Project Condition	eet Conditio	I.		Н	With Project Condition	П		ncremental		Without	Without Project Condition	Ш			With Project Condition	1.1		incremental
Constitution		Vield Production	Unit Prior	•	Cropped	3	Penduration			Amount (R. A)	Cropped	mismisma Diein	Unit	<	Cropped	>	Production	1.7	[ =	Amount
HAIR HE SA	(ha) (10)	(ton/ha) (tons)	1~	(a)	(ha)	(ton/ha)	(tons)		(g)	ĝ	1	(ton/ha) (to		(g)	(pq)	(ton/ha)	. 1	DAN) (DAN)	(0)	a)
A. FARM LAND	4	\$			3						8		:		3	1. 1. 2.				
B. GROSS INCOME.		:																		-
Arthoriculture:	F.				7			:		}	8				8					
Date	1 8	100 100 100 100 100 100 100 100 100 100	0 9 0 9 0 9	⊋č	8	2 6	8 8		4 6	ş	5 6			ž	50	32	000		2 2	4
- Pomegradate	20.0				25	3	80		4		8		7		ğ	3,4	Q 4		100	4
- Apricals	; 3 0 0 0	2.000	0.493	<u>:</u> 4 <u>}</u>	≅ <b>8</b>	# P	6 6 6	0,185	크 당	61 Y	0.00	25.5	0.072 0.072 0.385	ದ ಸಿಕ್ಕ ದ ಕಿಕ್ಕ	000	2.3	<b>3</b> ≘	0.385	<b>≈</b> 4	04
Fudder Cruts														٠		ľ	;		<del></del> ,	
- Lucera	01.0	76.6 7.66	56 0.053	406	0;0	÷,	X,61	0.053	456	S	0.0	76.6	1.532 0.053	. E	500	87.0	1,74	0.053	8	=
Winter Season Vegetables		٠.						٠.												
- Turnip" / Carton	200				33	7	# :	070	1.2	 ≘:	000	61	0,129 0,20		600	4 ;	0.0 5.7	0.0	2.5	4 (
- Kidney hears	30	6.7 0.07	07.00	38	50	7.5	800	0,370	2.56	2~	3		0330		3	6	<u>0</u>	0.370	2	~
Summer Season Vegetables	:						•				: '						٠.	:		
- Pepper	88	6.7 0.34	5. 0.574	8 3	\$000 0000	7 <u>3</u>	8.0 8.0	0.874	<u> </u>	X 2	000	6.7	0,067 0,874	¥ 3	0.0	7.6	0.0 2.0	0310	**	r 6
Industrial Cross		-			<u>;</u>	•			-		į						;	;		,
- Henna / Tobacco			1.H39		;	1. 1.		1,439					1.X39		_			1.839		
Sub-rotal.	अध्या मा अग्रा		(Cropping Intensity)	5	म्य अ	1363	(Cropping Intensity)		(e) ताङ्ग्र	1,067	T 90 T	<b>8</b> 01	(Cropping Intensity	<b>અં</b>	4897	1068 (	1065. (Cropping Intensity		(8) (0) 7	, 1 xx
Off-farm Income.				€					<b>@</b>		-								- 600 €	
Total Gross Income			(a + b)	- 9.352 (C)				(a + b) = 1(	10,419 (C)	,067			= (4 + B)	n 4,822 (c)				(a - b) = 6	6,010 (C)	1,133
			Une Production	ж			5	Jan Production					Unit Prote	<b>WOUGH</b>			Cris	: Production		
C. GROSS OUTCOING			đ		:			3					٤	_ 6				36		•
Arbonculture	38		(Supplemental)		×			(10)			700		į		87			(9:0)	-	
- Date	<u>~</u>		583	č.	2			8	610'1	267	50		**	•	0.01			8	419	SX.
- Olive	당 S		3.3		88			4 5	2 4	r4 r	6 6 6		ń, v	394	6 6			\$ 5	v č	4
- Potregrandic	500		1 5	<u>.</u> ×	700		-	5	. 0	• -	50		· F		6			5	2 0	•
- Figt / Other Fruits	800		553		3		. :	£	7X	÷	0.03		ĸ		0.03			ş	7.	4
Poctor Crops	910		Ď	:2	01.0			ž	2	·	200		iè.	628 · 13	0.02			235	<u>.</u>	
Winer Sewon Venerables	}	-			2			Ē	· · ·	•					, 			Ì	 }	`
- Turnio" / Carrol	900		758	9	900			8	2	*	0.01		~	sc :	900			998	•	
- Ontog			3 3		<b>5</b> 0			28 28	3 °	i en	5		ac •ch	87.4 642	0 0			- OF		-
Summer Season Vegetables	, 						٠.		:		~ ' '								<del></del> -	
- Former	500 500 500		3.0	P A		٠		\$ 2 2	* Z	n m	5 5 6 6		500	8 8 2 9				<b>8</b> E	<b>*</b> =	
Industrial Crops							•	į						<u>.</u>					<del></del>	
Constant / Constant	34		ē	(6) 910 (	5			76	. (P) 15t i	4	8		•	99	8	ģ		7/0	(V) YPX	ž
1					,	- :			)	!					<u>.</u>		1			1
Lixing Expenses	OBC DCD	Opension periodical (45.5%)	_;	5.27 personatamiy** 1,,76	- -	261 261	45.5%	200	1,376		5	9	. ,	6.37 persons/lumby 1.715		Я	68.53 45.54	6.57 perso	.715	
Housing		7	afe:	ž		3	# 1 % 1 %		ž.				8,18	683		ğ	8 1 %		3	
Clothing			efe ul	365		<b>E</b> 4	6 4 6 8	. :	365					8		\$ 4	8 4		255	
- Transportation / Communication			a de	<u>.</u>	-	ş	4		2				*7.8	នឹ		R			វិភ័	
- Education / Culture		*		8		1	4.69		ភ្ន	- :			7,6%	Ä		1	7.69		287	
- Other Sub-local	:	* TO TO THE	<b>€</b> ≰1	() 707 208	i	- #	1000T		30 <b>24</b> (c)			ा ११	#2000 #2000	છ 113 113	_	= <b>#</b>	1000	. "	© 200	
Total Gross Outgung			• (3 + p) ···	4,063 (f)				() ± ()	378 (6	312			(0+e)	Ш				(d=c)=	4,615 (f)	š
D. NET RESERVE			(c - 0)	5.289				) = (j - j)	4.044	755			(c - 0)	0= 412		•		١.	¥¥.	£
Sources : Enquere National sur le Budget Consomnation des Ménages, 1990	r le Buayer Co	nsommetron-d	es Menayes	26.		:	·:													

K-37

Table K.3.1.4 (3) Typical Farm Budget under Without and With Project Condition

			11	Marsenura Oness / Acts										Atilet Onsis / Kebi					
_ *	١	Without Present Condition			١	With Project Condition	J		incremental		WITHOU	Project Conditi	٤	_		With Project (	্		Locremental
Decreases	Copped	Production Price	<	Copped	Vield	Production		Amount	Amount	Comper	30.5	Onic	<		Cropped		Unic	Amount	Amount
2211	(total)		(a)	(gr/)	(ton/ha)		0) (3/0)	(a)	(0)		- 1-	PTOURN PROTE	2 (2)		Dell's Treid	norman o		e d	(2.0)
A. FARM LAND				3					ì	0.73	/ Marian	(A)		-	(mag) (mag)	<b>A</b>		ì	
B. GROSS INCOME	· . :			-:			. :			   				•			٠.		
Earn Income	2		ē	1		:		: ;											
· Date	150			[g	4,0	[4.]	-	8	CX.	93	0.4	0000		738 C	1			,	317
· Olive	0.01	0,04	0.400	10.0	<u>~</u>	0.0		8			}	- 1						2	
· Pomegranaic		6	48		-		7			0.02	30							8	· ·
- Apricos	76 100	000	0.447	0.0	o,	0.03	0.335	=	r	55	4.5	0.024 0.493		214	0.01	2.8	0.493	***	<b>6</b> 1 4
Forder Cook			}	-		:		:	•	1	9		٠					ş	٥
- Process	0.11 44.4	. 4,KK . 0.0	0.053 254	0.11	¥.	10'9	0.053	×	25	22.0	47.5	0.450 0.053		35	022 552	12.14	14 0.053	1	8
Winter Season Vegetables				:						_									
- Tump*/Caron	0.01 12.0	0.12 0.2	77	0.01	3	0.15	0.201	2	•	0.14	č							419	\$,
- Onion			0.136	.100	10.4		9 180	=	·	41.0	Ž.	2.002 0.1%6		377	0.14	16.6	0.186	432	8:
Common Case on Manage Man		\$	<b>?</b> :				5	,	-	00	ò							2	
Summer Season Vegetables				100	7.6		0 x74	3	•									9	
· Tomato	0.01	0.15	0.310 47	10.0	9.81	0.19	0310	3	1 =	000	0 9	0.162 0.310		29	18.8	200	0.50	5 2	e =
Industrial Crops	:			1				·			!							3	;
- Henna" / Tobacco		⊉`						:				1.839					1,839		
Sub-total	0.40 ha 150% (Cropping Inensity)	Cropping Inec	nsity) 1661 (a)	4 0 <del>4</del> 0	500	(Cropping Intensity)		(3) 150	38	139 ha	D) ESE	1859: (Cropping Intensity)		(0) 2197	201 to 201	Con	139% (Cropping Intensity	5,326 (a)	\$
Off-fam Jacom			(a) 7200 (b)	:				÷ € 857				· · ·		ê	١	:	:	(e) 0007	
Total Gross Income		= (4 + e)	b) = 4,161 (c)	,			(a - b)	(3) (3)	3			(a + b)	١.				Î,	6.726 (C)	20%
		Chit Production	fuction			UAN	Production					1	١.				1		
C. GROSS OUTCOING		đ		. ·			3					đ					ď	į	
Production Cost		(DA)	(ag	2			(D/Wa)	-		-		(D./ha)	<b>1</b>		. ;		(D/D)	:	
Anonculare:	สู่สู	•	583	18			3	Ē	97	7		٠		3	713		Ş	t	3
- 05%	100			0.0	-		3		; -	90'0		. u			8		\$ \$	***	<u>:</u>
- Pomegranate	:	<b>-</b> €01	<b>.</b>	-			3			0.02		•	3		.02		740	<u>s:</u>	e,
- Apocots - Fre / Other Fruits	00	- •	553 6	00			2 S	•	_	5 6 6		(- ¥	Ė	× ;	500		5 5	2 ¥	
Podder Crops						:	-					1	3		ţ :			ę.	: : :
- Incem	0.11	Ψ.	69 829	0.11			X	56	<b>*</b>	ដូ		¢	73	38.	270		788	173	æ
Winter Season Vegetables		•	;						-										
- Doine	566	.~ ><	20 X	000			e :			4.0			25.	8	4 5		Ž.	<u> </u>	ž.,
Kidney heans		•	Ģ	_			QX.		•	0.10	٠	- 10			2		200	1 %	. 7
Summer Season Vegetable»	• •													·—·				. •	. :
- Popper		<b>4</b> 9	505	000			\$ <u>2</u>	<u>.</u>		88		<u> </u>		4:	0.03		98;	4:	en .
Industrial Crops		•		•			}	=	•	1000		2	i		<b>.</b>		61,1	=	-
- Henna / Tobacco			. (89				Ĕ,	_				·	681	:			7.2		
Substoral	C4 04.0		(Q) W(1)	CH 080				9 9	H	व्य हर				् (छ) जात	ः च्य हरा			(p) 1517	ă
Living Expenses ==	3		5.65 persons/family	One ne	Con por	(Q) rea	5.65 persor	ons/family		One per	3		6.17 persons	ons/family***	One person	×	6.17	persons/family***	
F0001 -	<u> </u>	45.5%	1,475		9 5	\$ C 2	<del>-</del>	574. 123				45.54		= :	គ :		ę.	1.611	
Cooping	€	8	Š		€	12		30				9		ž.	2 *		* 4	, 3 5 5	
- Hygienics	٠:	1.59	4		*	7.54		3				7.5%	••	ś	, 4		, ge	8	34
Introportation / Communication     Advanced / Communication		100	85	:	23	6.3% 1.00		55				. O		ត់	<b>~</b> 1		ef a	គីរ	
· Others		i de	į		<b>:</b> ::	5		<b>3</b>	:		<b>4</b> 1	6 6 6 7		2.8	-	2	e e	, 2,59 2,59 2,59 2,59 2,59 2,59 2,59 2,5	
Sub-total	; [	1.1			Ħ	20001	<b>п</b>	(S)		:		800	`#	3.552 (c)	' স		: #4	355 (0)	1
Total Green Outgoing		(d - b)	) N/4/				(a + c)	0 0251	2			(a+p)		(i) 88			(a - p)	4,643 (f)	23.5
D. NET RESERVE		- (c - y)	D = 6663			3		2	310	·		(c · t)		1,150			(c - t) •	1,633	474
Sources: Enquere National sur le Bodget Consommation des Menages, 1990	Le Budget Cunsomman	ion des Menus	MS. 1990																

Table K.3.1.4 (4) Typical Farm Budget under Without and With Project Condition

Description   Area	L	VIOLEN PROPER						ı		Lietzenter							3			<b>ACREMICATA</b>
₩ ₩	_		Without Project Canalian							T T T T T T T T T T T T T T T T T T T		NOON I		Amount.	Chymned			Unit Amount		Amount
<u> </u>			ng C	∢	oddo.	20.2	Production 9	Unit Amkun	4	Amount (B - A)		Yield Produk	City Price	(A)	Area	Yield Production	duction	`	-	(A - A)
el M		TRIG Production	١-	ĝĝ.	(ha)	5	Ь.	_	_	ê	ľ	(on the (ton	ns) (DAg)	(g)	æ	) (Ed/not)	)) (suci)	(D/kg) (D.		(·Q)
<u> </u>					ខ្ម					-	ខ្ម				1					
		1			:											•	:			
	Q	•			27	- - - -			·		1			,	1	,				:
nate		5,8 1.10		8	61.0	9'9	ij	1.025	25	<u> </u>	10 O	<u>.</u>	520:1 750:0	× 5	500	6.7	3,0	969	, xx	4
· .			07 0 0 0	9		•	91.	1			9 ()			9891	0.52	7			8	ž.
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