

## **Annex 4.3**

# **Additional Tables and Graphs**

**Table 1: Size of the Land Plot on Which the Respondent's House is Located**

Province	Average size (decare)	N
Adana	2.8	23
Osmaniye	6.4	32
Kars	2.0	43
Ardahan	3.4	88
Kahramanmaraş	2.3	65
Kayseri	3.3	53
Erzurum	1.4	117
Erzincan	1.9	78
Gümüşhane	0.7	20
Sivas	2.3	130
Overall	2.5	649

**Table 2: Location of Toilet in Respondent's House**

Province	Inside the house	Outside	Both	n
Adana	22	70	9	23
Osmaniye	18	77	6	34
Kars	14	86		43
Ardahan	18	81	1	88
Kahramanmaraş	23	73	4	74
Kayseri	27	60	13	63
Erzurum	63	37		119
Erzincan	59	38	4	80
Gümüşhane	29	67	5	21
Sivas	32	61	8	133
Overall	35	61	4	678

**Table 3: Length of Time Lived in the Village**

	Percent of households
Longer than 20 years	97
Shorter than 20 years	3
N	681

**Table 4: Portion of Additional Land to be Expropriated**

Province		Average size of land to be expropriated	Irrigated land	Rainfed land	Grazing land	Trees
Adana	Mean	78,000	78,000			
	N	1	1			
Kars	Mean	26,000		26,000		
	N	3		3		
Ardahan	Mean	7,800		7,800		
	N	5		5		
Kahramanmaraş	Mean	29,000	21,167	40,000		12,500
	N	4	3	1		1
Kayseri	Mean	26,714	8,333	29,909		20,000
	N	14	3	11		1
Erzurum	Mean	6,000	6,000			
	N	2	2			
Erzincan	Mean	1,500	1,000			500
	N	1	1			1
Sivas	Mean	20,227	13,667	21,875	6,500	
	N	11	3	8	1	
Overall	Mean	22,463	16,962	23,607	6,500	11,000
	N	41	13	28	1	3

**Table 5: Size of Additional Land Owned by the Sampled Plot Owners that will be affected (decare)**

Province	Average land size (decare)	Percent of sampled owners (%)	n
Adana	94.6	28	6
Osmaniye	16.4	29	9
Kars	28.2	45	17
Ardahan	16.3	58	43
Kahramanmaraş	16.0	31	20
Kayseri	40.1	50	26
Erzurum	30.5	28	30
Erzincan	23.5	25	13
Gümüşhane	12.5	20	4
Sivas	23.1	35	36
Overall	26.4	36	204

**Table 6: Average Size of Land for Sharecropping (decare)**

Province	Land rented out by owners (decare)	N	Land rented for sharecropping by tenants (decare)	N
Adana	34	6	96	4
Osmaniye	33	1	73	11
Ardahan	22	1	75	15
Kahramanmaraş	32	4	54	43
Kayseri	218	1	41	15
Erzurum	115	7	161	22
Erzincan	120	2	78	42
Gümüşhane	33	1	80	44
Sivas	89	13	26	7
			208	68
Overall	79	36	110	271

**Table 7: Average Age of the Respondent**

	Landowners	Sharecroppers
Adana	60.6	-
Osmaniye	51.1	64.5
Kars	53.1	41.0
Ardahan	51.7	56.5
Kahramanmaraş	53.4	38.0
Kayseri	54.4	51.9
Erzurum	48.5	42.4
Erzincan	52.3	42.1
Gümüşhane	51.9	44.0
Sivas	52.7	46.2
Overall	52.2	46.3

**Table 8: Average Age of Individuals in Affected Households – by Province**

<b>Province</b>	<b>Average age of Individuals</b>	<b>n</b>
Adana	34.0	140
Osmaniye	31.3	201
Kars	28.3	294
Ardahan	29.5	571
Kahramanmaraş	32.5	379
Kayseri	30.1	396
Erzurum	26.9	826
Erzincan	31.9	433
Gümüşhane	28.3	135
Sivas	30.2	758
Overall	29.8	4133

**Table 9: Gender Distribution of Individuals in Affected Households – by Province**

<b>Province</b>	<b>Males</b>	<b>Females</b>	<b>n</b>
Adana	51	49	140
Osmaniye	48	52	201
Kars	54	46	294
Ardahan	52	49	571
Kahramanmaraş	49	51	379
Kayseri	48	52	396
Erzurum	55	45	826
Erzincan	51	49	433
Gümüşhane	49	51	135
Sivas	52	48	759
Overall	52	49	4134

**Table 10: Literacy Rates of Individuals in Affected Households (older than 7)**

Province	Literate	Illiterate	n
Adana	85	15	130
Osmaniye	85	15	179
Kars	89	11	260
Ardahan	88	12	495
Kahramanmaraş	84	16	327
Kayseri	89	11	344
Erzurum	91	9	682
Erzincan	82	18	373
Gümüşhane	88	11	113
Sivas	84	16	649
Overall	87	13	3552

**Table 11: Education Levels of Individuals Older than 7 (percent of individuals, by provinces)**

Province	Did not finish school	Primary education	Secondary or technical education	High school	University	n
Adana	12	52	15	19	2	111
Osmaniye	21	41	14	21	3	153
Kars	20	58	12	9	1	232
Ardahan	12	55	15	17	1	438
Kahramanmaraş	14	54	18	11	3	276
Kayseri	19	59	13	8	0	307
Erzurum	12	64	13	10	1	619
Erzincan	15	59	13	11	1	306
Gümüşhane	13	82	5	0	0	100
Sivas	16	62	13	9	0	548
Overall	15	59	14	11	1	3090

**Table 12: Land Ownership of Households with Affected Plots**

Province	Size of land owned by affected households	Average size of irrigated land	Average size of rain-fed land	Average size of grazing land	Average size of land with trees	Average size of land with other vegetation
Adana	118	83	34	-	-	1
Osmaniye	78	35	43	-	-	-
Kars	90	16	71	3	-	-
Ardahan	96	12	78	6	-	-
Kahramanmaras	69	34	32	-	1	2
Kayseri	193	25	162	2	1	3
Erzurum	186	68	117	1	-	-
Erzincan	107	43	63	1	-	-
Gümüşhane	79	25	53	-	-	1
Sivas	157	16	139	2	-	-
Total	131	34	94	2	-	1

**Table 13: Percent of Directly Affected Communities in or Around a Forest**

Province	Percent	n
Adana	67	24
Osmaniye	94	34
Kars	9	43
Ardahan	33	89
Kahramanmaras	82	74
Kayseri	22	63
Erzurum	12	119
Erzincan	33	81
Gümüşhane	100	21
Sivas	12	133
Overall	34	681

**Table 14: Is there a river or lake in close proximity to you?**

Province	Have river or lake in proximity (percent of hh.)	n
Adana	29	24
Osmaniye	32	34
Kars	72	43
Ardahan	69	89
Kahramanmaras	54	74
Kayseri	71	63
Erzurum	71	119
Erzincan	86	81
Gümüşhane	71	21
Sivas	65	133
Overall	66	681

**Table 15: Do you fish in the river/lake for sale?**

Yes	1
No	99
n	452

**Table 16: Household Asset Ownership for Tenants**

	Percent of households owning asset	N
Color TV	89	103
Satellite dish	68	103
Car, minibus, truck	15	103
Tractor	49	103
Beehives	12	103

**Table 17: Forest Village Definitions**

	Percent of communities
Forest Village - OGM	6.5
Forest Village - ORKOY	21.1
Forest Village - both	8.9
Non-forest village	58.7
Not available	4.7

**Table 18: Priorities for Increasing Agricultural Income in Villages (detailed)**

<b>Priorities for Increasing Agricultural Income</b>	<b>N</b>	<b>% of Responses</b>	<b>% of Cases</b>
Trade should be supported	2	0.3	0.4
Live stock ownership should be supported	3	0.4	0.5
Cooperatives should be established	161	21.7	29.3
Seed, fertilizer, poison, medicine support should be provided	27	3.6	4.9
Bank Credits should be provided	3	0.4	0.5
New land could be purchased and cultivated	7	0.9	1.3
Cultivation support premiums should be given	1	0.1	0.2
Public tap water faucets should be built	1	0.1	0.2
Green house farming should be made	2	0.3	0.4
Sunflower should be planted	1	0.1	0.2
Gardening should be made	8	1.1	1.5
Olives should be planted	2	0.3	0.4
Irrigation should be supported	265	35.7	48.3
Trees should be planted	5	0.7	0.9
A head of the village's house should be constructed	1	0.1	0.2
New roads should be contracted, hence transportation improves	21	2.8	3.8
Development cooperatives should be established	3	0.4	0.5
Information sessions about soil should be organized	5	0.7	0.9
Tap water should be brought to the village	10	1.3	1.8
Irrigation lake should be constructed	30	4	5.5
Irrigated land should be bought	3	0.4	0.5
Irrigated plantation should be made	7	0.9	1.3
New agricultural lands should be created	5	0.7	0.9
Farming tools should be bought	14	1.9	2.6
Search for underground water	11	1.5	2
Tractors should be purchased for the villages	7	0.9	1.3
More productive cultivation should be done	1	0.1	0.2
Rain-fed lands should be transferred into irrigated lands	4	0.5	0.7
Cotton, corn should be planted	1	0.1	0.2
Road to fields should be improved	1	0.1	0.2
Sugar, flour manufacturing plants should be opened	4	0.5	0.7
Underground water resourced should be	1	0.1	0.2

Priorities for Increasing Agricultural Income	N	% of Responses	% of Cases
found			
Animal feed plants should be established	5	0.7	0.9
Fruit production should be supported	1	0.1	0.2
Dairy sector should be improved	2	0.3	0.4
Creek water could be utilized	1	0.1	0.2
Land amelioration should be made	5	0.7	0.9
Milk should be bought from the village	1	0.1	0.2
Small tree farms should be started	1	0.1	0.2
Different crops should be planted	2	0.3	0.4
Farming should be improved	1	0.1	0.2
Bee keeping	1	0.1	0.2
Soil should be analyzed	4	0.5	0.7
Dairy sector should be improved	1	0.1	0.2
Fruit trees should be planted	4	0.5	0.7
Wheat should be planted	1	0.1	0.2
Improvements in the agricultural equipment	1	0.1	0.2
Bank credits should be provided	2	0.3	0.4
Purchasing of crops by the government is enough	1	0.1	0.2
Crops, that worth more should be cultivated	2	0.3	0.4
Sugar beet should be planted	5	0.7	0.9
Drainage channels should be built	1	0.1	0.2
Fertilizers should be purchased at certain amounts and order	1	0.1	0.2
Land amelioration	3	0.4	0.5
Soil should be analyzed	5	0.7	0.9
Grain and fruit markets should be opened	1	0.1	0.2
Quality seed should be used	6	0.8	1.1
Farming should be supported	1	0.1	0.2
Bridges should be built	2	0.3	0.4
Irrigation water prices should decrease	6	0.8	1.1
Vegetable plantation should be supported	1	0.1	0.2
Officials should improve farmers' conscience	3	0.4	0.5
Agricultural credit cooperatives should be established	4	0.5	0.7
Industrial crops should be planted	1	0.1	0.2
Processing plants for the industrial crops should be established	1	0.1	0.2
An automobile should be provided for the village	1	0.1	0.2
Crop processing plants should be established	15	2	2.7
Everything that improves agricultural production should be provided	3	0.4	0.5

<b>Priorities for Increasing Agricultural Income</b>	<b>N</b>	<b>% of Responses</b>	<b>% of Cases</b>
Flour and bean manufacturing plants should be constructed	1	0.1	0.2
Pasta manufacturing plants should be constructed	1	0.1	0.2
Low interest borrowing should provided	6	0.8	1.1
Marketing should be provided for the crops produced	1	0.1	0.2
Financial support should be provided for the farmers	1	0.1	0.2
Green house farming should be made	1	0.1	0.2
Crops should be bought for their worth	1	0.1	0.2
Fuel support should be provided	1	0.1	0.2
More plantation should be done	1	0.1	0.2
Establish a village and irrigate land	1	0.1	0.2
Infrastructure of the village should be improved	1	0.1	0.2
Fuel prices should go down	3	0.4	0.5
Quality seed should be used	1	0.1	0.2
Fertilizer manufacturing plant should be established	1	0.1	0.2
Trees' usage should be utilized	1	0.1	0.2
Trees should be vaccinated	1	0.1	0.2
Irrigation should be provided with low interest borrowing	1	0.1	0.2
Inexpensive wheat certificates should be provided	1	0.1	0.2
Agricultural reforms should be completed	1	0.1	0.2
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<b>TOTAL (Combined)</b>	<b>742</b>	<b>100</b>	<b>135.2</b>

**Table 19: Priorities for Increasing Livestock Income in Villages**

<b>Priorities for Increasing Livestock Income</b>	<b>N</b>	<b>% of Responses</b>	<b>% of Cases</b>
Dairy shops should be established	134	17.5	22.9
Livestock raising should be supported	137	17.9	23.4
Livestock should be given for free	7	0.9	1.2
Barns should be improved and new barns should be built	14	1.8	2.4
New animals should be purchased	44	5.7	7.5
Cooperative should become active	52	6.8	8.9
Pastures could be started	19	2.5	3.2
Domestic animals should be changed with better animals	5	0.7	0.9

Priorities for Increasing Livestock Income	N	% of Responses	% of Cases
Raising animals of good breeding should be supported	66	8.6	11.3
Animals for breeding should be purchased	2	0.3	0.3
Sheep could be purchased	8	1	1.4
Imported animals should be purchased	14	1.8	2.4
Pastures could be enhanced	5	0.7	0.9
Animal trade should be made	14	1.8	2.4
Irrigation should be made	6	0.8	1
Private veterinarian is needed	5	0.7	0.9
Government should provide borrowing opportunities	7	0.9	1.2
Ranches should be established	11	1.4	1.9
Cows can be purchased	1	0.1	0.2
Money should be spend on animal care	1	0.1	0.2
Male animals should be bought	1	0.1	0.2
Cows of good stock should be purchased	4	0.5	0.7
Livestock sector should be supported	10	1.3	1.7
Animal hospital should be established	1	0.1	0.2
Farming and livestock raising should be done together	1	0.1	0.2
Bee keeping	13	1.7	2.2
Feed manufacturing plants should be established	34	4.4	5.8
Bank Credits should be provided	16	2.1	2.7
Animals for breeding should be purchased	6	0.8	1
More barley and wheat	2	0.3	0.3
Livestock raising should be done	2	0.3	0.3
Modern barns	11	1.4	1.9
New land should be purchased	1	0.1	0.2
More alternatives for livestock feeding	3	0.4	0.5
Borrowing opportunities should be provided for livestock and animal feed purchases	5	0.7	0.9
Livestock farms should be established	14	1.8	2.4
Farming should be improved	2	0.3	0.3
Milk and cheese production should be improved	8	1	1.4
Good quality and in expensive animal feed	7	0.9	1.2
Cold storage depots should be built	1	0.1	0.2
Irrigation lake should be constructed	1	0.1	0.2
Mountain pastures could be purchased	1	0.1	0.2
Land improvement studies should be made	1	0.1	0.2
Bulls for breeding	1	0.1	0.2
Mountain pastures should be nationalized	1	0.1	0.2

<b>Priorities for Increasing Livestock Income</b>	<b>N</b>	<b>% of Responses</b>	<b>% of Cases</b>
Livestock sale prices does not satisfy the owners	2	0.3	0.3
Slaughter houses should be established	1	0.1	0.2
Dairy Plants should be established	2	0.3	0.3
Province Agricultural --- should buy our milk	1	0.1	0.2
Low interest rate borrowing opportunities should be provided	17	2.2	2.9
Livestock should be given for free	2	0.3	0.3
Livestock number could be increased and then those animals could be sold	9	1.2	1.5
Livestock should be given with low interest rate credits	2	0.3	0.3
Financial support should be provided	3	0.4	0.5
Animal feed should be improved	3	0.4	0.5
Chicken farms should be established	2	0.3	0.3
A milk cooperative should be established	2	0.3	0.3
Inexpensive livestock should be provided	1	0.1	0.2
Ostriches should be raised	1	0.1	0.2
Dairy Plants should be established	3	0.4	0.5
Livestock	1	0.1	0.2
Dairy and meat processing plants should be established	1	0.1	0.2
Grazing land should be provided	1	0.1	0.2
Dairy and Meat processing plants should be established	2	0.3	0.3
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	766	100	131.1



