

## **Appendix 1. The Questionnaire, and the Selection Method and Size**

### **Distribution of Surveyed Farmers in 2002 and 2003**

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#### **1. The questionnaire**

The questionnaire that was administered to Turkish farmers by the research team was the revised version of the questionnaire that has previously been prepared and used by Hiorshi Tsujii in Indonesia, Nigeria, Tanzania, and Japan for his research regarding the problem of sustainable agricultural development. The original questionnaire was revised in order to adapt to Turkish rural conditions. It was pre-tested in the two research provinces before its application to surveyed farmers.

#### **2. The Selection Method and Size Distribution of Surveyed Farmers and Villages**

For our 2002/2003 farm survey four villages were selected from the plain part of Adana province to represent Eastern Mediterranean region and two villages were selected from the plain part of Konya province in the Central Anatolia. For 2003 farm survey four villages were selected from the plain part of Adana province and four villages were selected from the plain part of Konya province. The surveyed villages were

different between two surveys. The names and water conditions( irrigated or rain-fed ) of the surveyed villages were presented in Chapter 1 of this Interim Report.

The judgment sampling” method was used in selecting the villages. Soil classes, cropping pattern, livestock situation, agricultural production techniques, economic structure and size distribution of farms were taken into consideration as criteria for selecting the survey villages.

The names of irrigated and rained villages from two provinces are given below:

#### **3. Selection Method of Surveyed Farmers**

The farms in the villages were stratified according to farm size groups. A number of farms for each group that corresponds to the relative size of the group were interviewed. The farmers surveyed were those who are willingly and voluntarily cooperate with the researches were interviewed. The size distributions of surveyed farms are listed from each village for surveys in 2002/3 and in 2003 in Table 1 and Table 2.

Table 1. Questionnaire Administration to Farmers by Farm Size Groups in 2002/3.

Adana - Irrigated		Adana - Irrigated		Adana - Rain-fed		Adana - Rain-fed	
KADIKOY	Quantity	TASCI	Quantity	YENIYAYLA	Quantity	CICEKLI	Quantity
0-25	2	0-25	4	0-25	8	0-25	7
26-50	6	26-50	4	26-50	7	26-50	8
51-100	6	51-75	4	51-100	8	51-75	4
101-200	8	76-100	4	101-200	5	76-100	2
201+	12	101-150	4	201+	2	101+	5
<b>Total</b>	<b>34</b>	151-200	3	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>26</b>
		201+	5				
		<b>Total</b>	<b>28</b>				
<b>Konya - Irrigated</b>		<b>Konya - Rain-fed</b>		<b>Total Adana</b>			
OKCU	Quantity	MEYDAN	Quantity	118			
0-25	3	0-50	3	<b>Total Konya</b>			
26-50	4	51-100	3	41			
51-100	8	101-200	4	<b>Grand Total</b>			
101-150	5	201-400	4	159			
151-200	2	401+	3				
201+	2	<b>Total</b>	<b>17</b>				
<b>Total</b>	<b>24</b>						

Table 2. Questionnaire Application to Farmers by Farm Size Groups in 2003.

Adana - Irrigated		Adana - Irrigated		Adana - Rain-fed		Adana - Rain-fed	
BELOREN	Quantity	ABDIOGLU	Quantity	KILICLI	Quantity	KAYISLI	Quantity
0-50	13	0-50	8	0-50	10	0-50	9
51-100	5	51-100	8	51-100	5	51-100	12
101-200	6	101-200	2	101-200	6	101-201	4
201+	2	201+	7	201+	4	<b>Total</b>	<b>25</b>
<b>Total</b>	<b>26</b>	<b>Total</b>	<b>25</b>	<b>Total</b>	<b>25</b>		
<b>Konya - Irrigated</b>		<b>Konya - Rain-fed</b>		<b>Total Adana</b>			
BEYLERCE & ALEMDAR	Quantity	KARAKAYA & CESMELISEBIL	Quantity	101			
0-150	24	0-150	19	<b>Total Konya</b>			
151-300	10	151-300	15	87			
301+	7	301+	12	<b>Grand Total</b>			
<b>Total</b>	<b>41</b>	<b>Total</b>	<b>46</b>	188			

Almost all Turkish farmers, except very big ones, do not keep records about their agricultural and financial activities and many of them are not cooperative with researchers. Thus accuracy of the farm data collected is a serious problem.