UNITED NATIONS



ECONOMIC AND SOCIAL COUNCIL

Economic and Social Commission for Western Asia (ESCWA)

Expert Group Meeting on Sustainable Land Management as a Best Practice to Enhance Rural Development in the ESCWA Region Beirut, 25 – 27 March 2009

Sustainable Agriculture No-Till Farming

by

Mr. Isam Isa Bashour Ms. Roula Bachour, Mr. Kassem Jouni Faculty of Agricultural and Food Sciences American University of Beirut (FAFS/AUB)

Lebanon

<u>Note</u>: This document has been reproduced in the form in which it was received, without formal editing. The opinions expressed are those of the authors and do not necessarily reflect the views of ESCWA.







	Agricultur	al Lanc	l by Farr	n Size				
Exploitable Agricultural Lands by Farm Size Category (10 dunum = 1 ha)								
	Farm size category (in dunum)	Percent of farmers	Percent of total cultivated area					
	Smaller than 5	53.0	9%					
	5-100	45.4	61%					
	Larger than 100	1.6	30 %					
	L I		Source: M	oA/FAO, 2000				
				٤				





















7



















Soil moisture content during the summer at AREC

Depth (cm)	8-May-08		7-Jun-	08	8-Jul-08		
	Conventional	No-Till	Conventional	No-Till	Conventional	No-Till	
0-15	23.6%	24.1%	12.3%	13.6%	7.7%	9.2%	
15-30	25.4%	25.1%	18.1%	20.0%	13.0%	16.2%	
30-45	27.6%	28.0%	25.7%	28.3%	23.6%	26.0%	
45-60	30.2%	31.1%	28.1%	29.0%	26.8%	28.0%	
Average	26.70%	27.08%	21.05%	22.73%	17.78%	19.85%	



























		Li	List of Fa			armers			
		Names of the farmers	Planted Area (Du)	Location		Names of the farmers	Planted Area (Du)	Location	
	1	AREC-AUB	40	Haoush Sneid	10	Ghassan El Murr	100	Amik	
	2	Abdo Aadawi	100	Ghaza	7 13	Spiridon El Murr	100	Amik	
	3	Daher Smayli	10	Amik	200	George Doumar / Alfalfa	100	Douress	
	4	Skaff plot (Chahhar)	100	Amik	20	Joseph Doumar / Alfalfa	50	Douress	
	5	LARI (plot 1)	10	Tal Amara	21	Wajih Maroun	100	Amik	
	6	LARI (plot 2)	10	Tal Amara	21	Paul Maroun	40	Amik	
	7	Saoud Farm	7	Tarayya	22	Daher Smayli	100	Amik	
	8	Isam Fares/Arida	20	Arida-North	23	Abdallah Moudawar	100	Amik	
		Daniel Moudawar	100	Amik	24	Fadi Chekiyeh	50	Amik	
	0	Saadallah Moudawar	100	Amik	24	Nabil Ghazal	75	Amik	
	0	Charbel Moudawar	100	Amik		Rony Bou Aaneh	100	Amik	
		Diab Moudawar	40	Amik	25	Michel Chamass	100	Amik	
		Amin Abed Al Hadi	100	Amik	1	Samir Chamass	100	Amik	
	10	Marwan Abed Al Hadi	100	Amik	26	Fouad Hussein	100	Amik	
		Ahmad Abed Al Hadi	80	Amik		Mustafa Abdo	100	Amik	
	11	Abdallah Jedaan	80	Taanayel		Antoine Bou Aaneh	100	Amik	
		Elie Abou Akel	100	Taanayel		Nazih Bou Aaneh	100	Amik	
	10	Fouad Freiha	100	Taanayel		Makhoul Bou Aaneh	100	Amik	
	12	Gerges Abou Akel	100	Taanayel		Rabih Hussein	100	Amik	
		Mounir Freiha	80	Taanayel		Mohamed Smaily	100	Amik	
		Daher Kaadi	100	Rayak	27	Hussein Smaily	75	Amik	
	10	Elie Kaadi	100	Rayak	1	Mahmoud Smaily	50	Amik	
	13	Antoine Kaadi	70	Rayak	28	Khaled El-Kaaby	40	Chlifa	
		Kaadi Kaadi	45	Rayak		Abd Raouf Adawi	50	Jeb Janine	
	14	Sami Dahdouh	100	Amik	29	Ahmad El Orra	50	Jeb Janine	
	14	Ihab Dahdouh	100	Amik		Khaled Hussein Adawi	100	Jeb Janine	
		Georges Kachachi	100	Amik	30	Hussein Obeid	33	Barelias	
	15	Abdallah Hammoud	100	Amik		Bachar Khoury	100	Rawdah	
		Naser Hatourn	100	Amik	31	Miled Ziadeh	100	Rawdah	
`	16	Toni Madi	40	Amik		Assaf Akrouch	100	Rawdah	
	17	Abdel Hakim Al Majzoub	75	Amik	32	Mounir Khamis	100	Amik	
	<u> </u>	Aziz El Murr	100	Amik	32	Aziz Khamis	100	Amik	
	10	Jawdat Bou Aaneh	100	Amik		Tony Khoury	100	Mansoura	
	10	Marc Bou Aaneh	100	Amik	33	Georges Khoury	100	Mansoura	
					Elias Khoury 100				
	Total			5.620					



