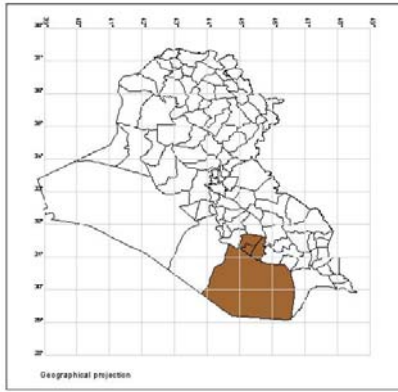
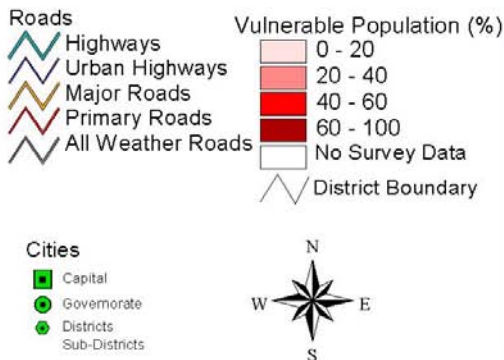
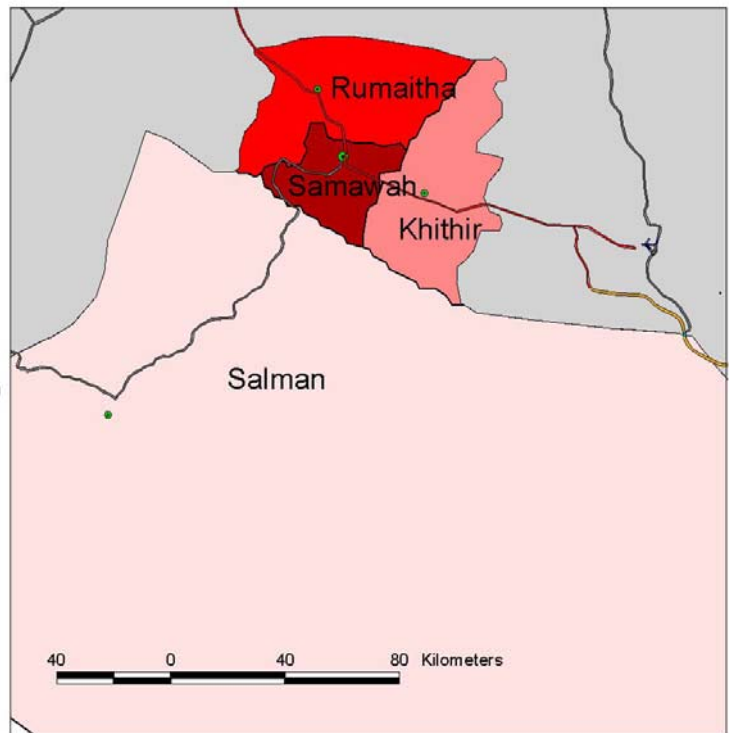


GOVERNORATE - MUTHANNA



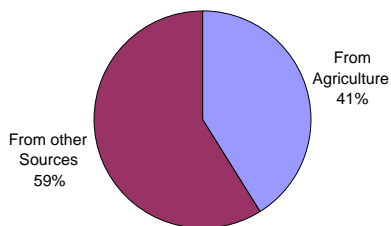
Muthanna Districts



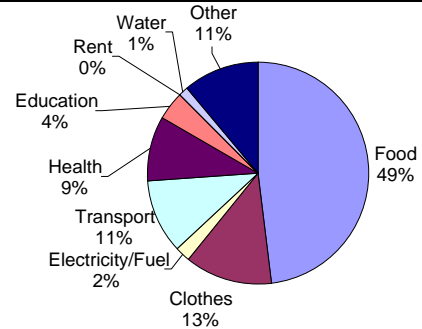
Rural Population

District	Population January 2003	Rural Population (%)	Rural Population	Rural Households Interviewed	Average Rural Household Size	Housing
Khithir	68 140	65	44 291	38	11.3	
Rumaitha	212 893	74.7	159 031	221	10.0	
Salman	6 357	78.7	5 003	8	11.0	
Samawah	250 268	30	75 080	62	9.6	
Total Population	537 658	52.7	283 405	329	10.1	
Total Interviewed Population			3 318			

Income

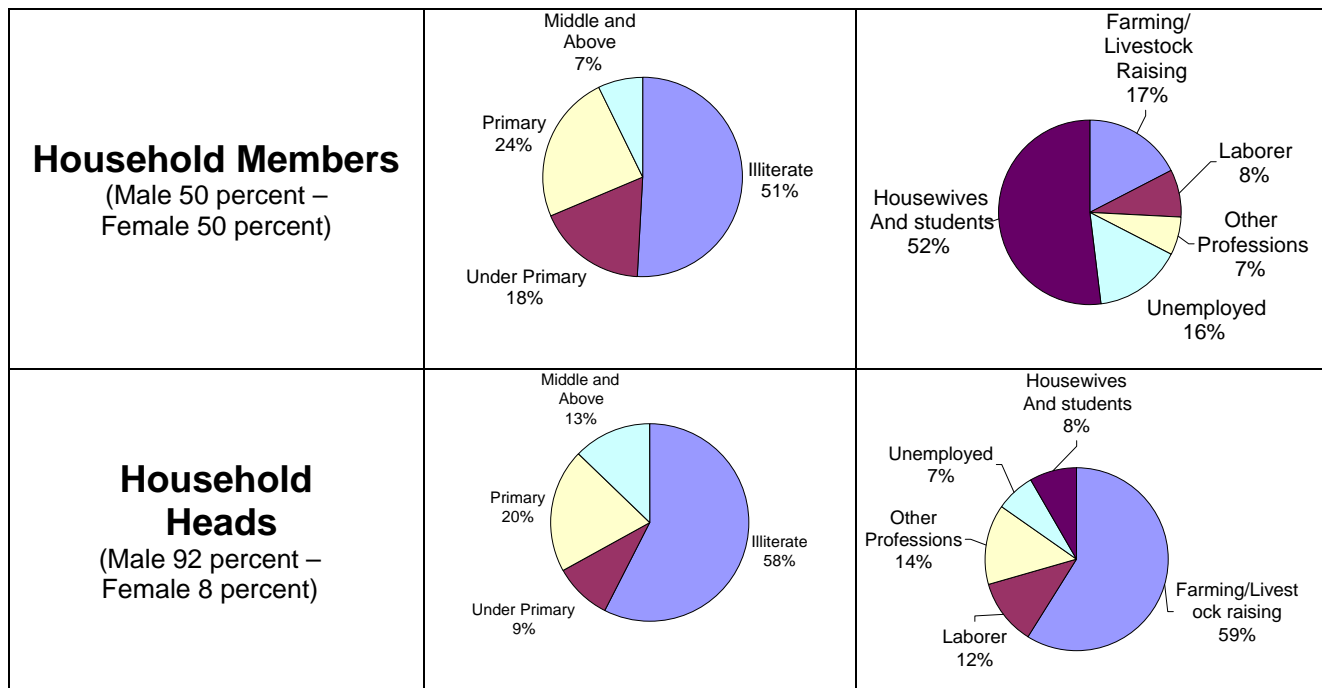


Expenditures



Education

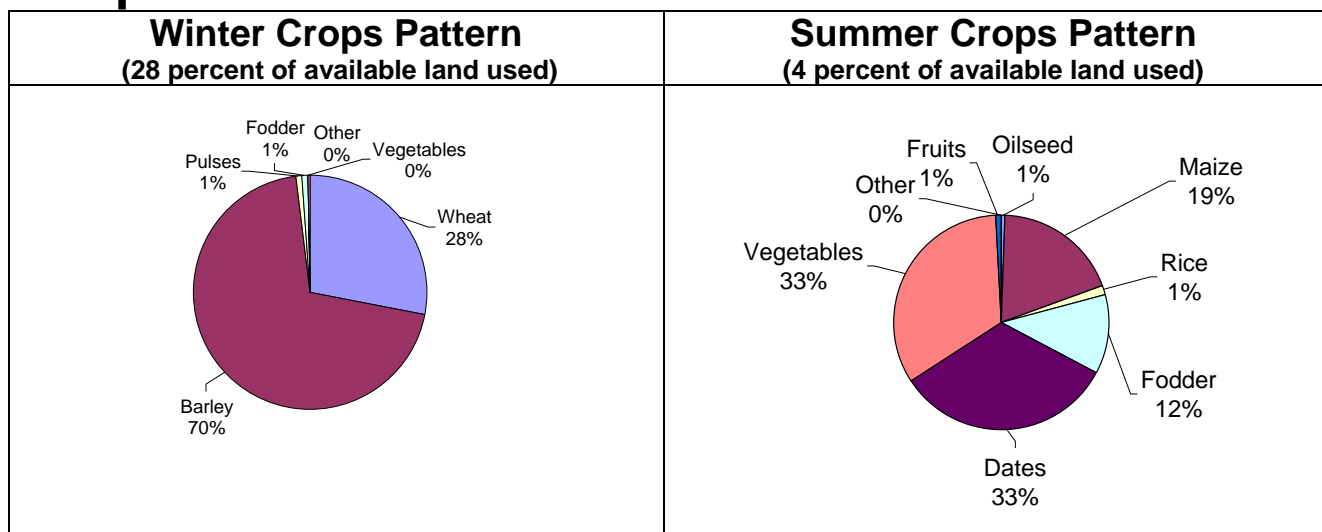
Occupation



Agricultural Activities

Out of 329 total interviewed households:	No. of Households	Percentage of Interviewed (%)	Average Use of Land /Average Ownership of Livestock (average referred to households using land or owning livestock only)
Households with at least one member engaged in agriculture	237	72	
Households Accessing Land	295	90	33.1 donum/ 8.2 ha
Cultivating Winter Crops	238	72	11.6 donum/ 2.9 ha
Cultivating Summer/Permanent Crops	123	37	3 donum/ 0.7 ha
Owning Cows and Buffaloes	173	53	2.4 Cows and Buffaloes
Owning Sheep	163	50	15.8 Sheep
Owning Goats	60	18	5.4 Goats
Owning Poultry	229	70	11.6 Poultry

Crop Pattern



Livestock

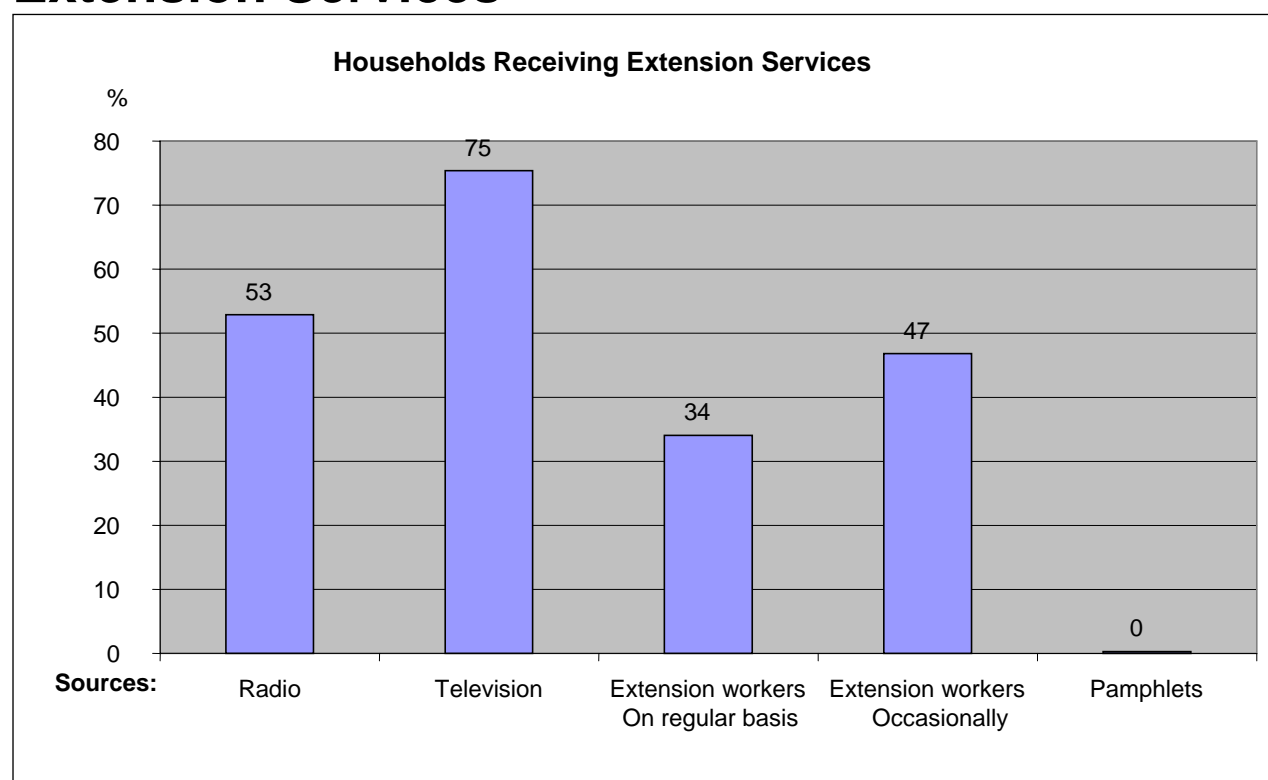
Livestock	Total Livestock/Poultry Raised	Total Estimated in the
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	(329 interviewed households representing a sample population of 3 318 members)	Governorate (considering the entire rural population of Muthanna of about 283 400 persons, that is 85 times the size of the sample)
Cows and Buffaloes	416	35 530
Sheep	2 570	219 500
Goats	323	27 500
Poultry	2 657	227 000

Agricultural Machinery

Machinery	Total Number Available (for the sample of 329 interviewed households)	Percentage Requiring Repair / Parts (%)	Number of Machine per Household Accessing Land (295 households in total)
Tractors	16	43	0.05
Combine Harvesters	0	0	0
Seed Drills	0	0	0
Fertilizer Sprayers	0	0	0
Sprayers	0	0	0
Water Pumps	59	30	0.20
Irrigation Systems	3	33	0.01

Extension Services



Needs Assessment

Major Needs	Percentage of Reporting Households (%)
Financial Resources	57
Improved Seeds	54



Storage and Control of Water in Muthanna Governorate

Rainfed 29 donum (7 ha); Irrigated by gravity 127,847 donum (31,962 ha); Irrigated by pumps 759,941 donum (189,985 ha) Source: Cost Production Survey 1999, (CSO/MoP)



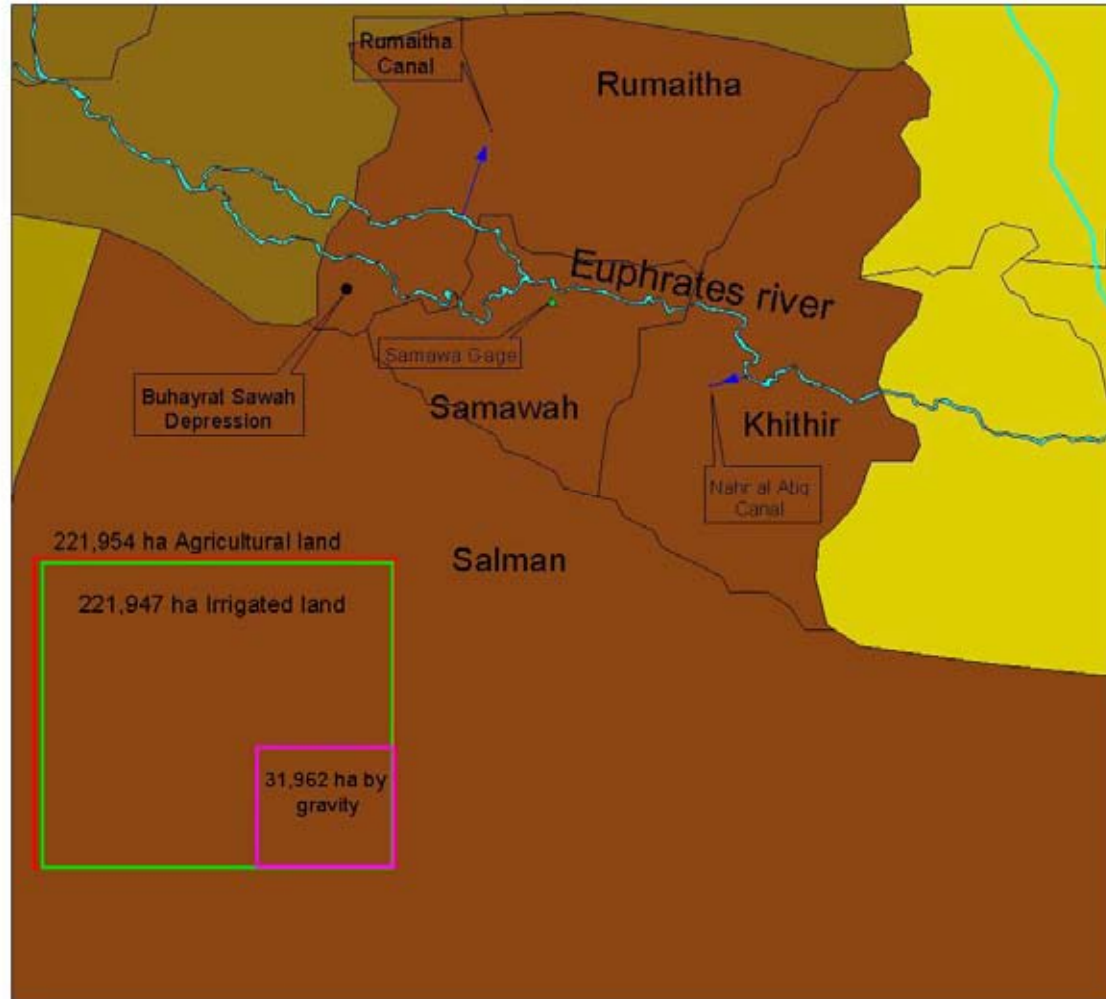
- Dam
- Barrage
- Dam Under Construction
- Regulator
- Navigation Lock
- Pumping Station
- Hydroelectric Station
- Gage/Measurement
- Irrigation Canal
- Drainage Canal
- Lake
- Depression
- Dam/Wall
- Lakes
- Rivers



Geographic Projection

Scale 1: 1,080,000

20 0 20 40 Kilometers



The boundaries and names do not imply endorsement by the United Nations. Source ESRI Map data, 2002; HIC, 2003, MoWR 2004. Compiled by FAO/TCES

