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(% 15)

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(395:1999) Owies,T.,etal

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(297:2005) Schietecatte,W.,etal.

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| 33  | 223 | 1 |
| 15  | 98  | 2 |
| 14  | 92  | 3 |
| 14  | 90  | 4 |
| 8   | 55  | 5 |
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| %      |        |     |         |
|--------|--------|-----|---------|
| 33.800 | 4.166  | 5   | (36-27) |
| 43.061 | 66.667 | 80  | (46-37) |
| 49.676 | 29.167 | 35  | (56-47) |
|        | 100%   | 120 |         |

s.d = 4.637

X=44.441

|    |       |    |
|----|-------|----|
| 1  | 4.016 | 1  |
| 2  | 3.966 | 2  |
| 3  | 3.941 | 3  |
| 4  | 3.658 | 4  |
| 5  | 3.600 | 5  |
| 6  | 3.450 | 6  |
| 7  | 3.341 | 7  |
| 8  | 3.333 | 8  |
| 9  | 3.300 | 9  |
| 10 | 3.258 | 10 |
| 11 | 3.216 | 11 |
| 12 | 3.100 | 12 |
| 13 | 3.075 | 13 |

5 =

(4)

0.148-

77

43.283

21

11.835

(4)

%90

28.233

120-2

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%70

(4)

0.115

33

0.112

|    |           | %      |        |    |         |
|----|-----------|--------|--------|----|---------|
|    |           | 43.627 | 42.500 | 51 | (39-21) |
|    |           | 45.500 | 47.500 | 57 | (58-40) |
| .  | r=0.115   | 43.250 | 10.000 | 12 | (77-59) |
|    |           | 45.882 | 14.167 | 17 |         |
|    |           | 44.566 | 25.000 | 30 |         |
| .  | rs=-0.148 | 44.058 | 28.333 | 34 |         |
|    |           | 44.846 | 10.833 | 13 |         |
|    |           | 45.000 | 9.167  | 11 |         |
|    |           | 44.625 | 6.667  | 8  |         |
|    |           | 40.428 | 5.833  | 7  |         |
|    |           | 43.955 | 37.500 | 45 | ( 17 )  |
|    |           | 44.815 | 31.667 | 38 | (33-18) |
| .  | r=0.112   | 44.421 | 15.833 | 19 | (49-34) |
|    |           | 43.333 | 7.500  | 9  | (65-50) |
|    |           | 46.444 | 7.500  | 9  | ( 66 )  |
| *  | rs=0.203  | 45.509 | 44.167 | 53 |         |
|    |           | 43.577 | 37.500 | 45 |         |
|    |           | 43.177 | 14.167 | 17 |         |
|    |           | 45.400 | 4.166  | 5  |         |
|    |           | 0      | 0      |    |         |
|    |           | 100    | 120    |    |         |
| ** | r=0.331   | 42.416 | 10.000 | 12 | ( 23 )  |
|    |           | 44.120 | 75.833 | 91 | (35-24) |
|    |           | 47.588 | 14.167 | 17 | ( 36 )  |
| *  | r=0.234   | 40.000 | 1.667  | 2  | ( 14 )  |
|    |           | 44.314 | 74.166 | 89 | (20-15) |
|    |           | 45.137 | 24.167 | 29 | ( 21 )  |

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0.05

0.203

%37.5

%44.167

(4)

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0.05

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25

2.128

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(4)

%74.166

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Schietecatte w.,Quessar M., Gabriels D., Tanghe S., Heirman S., Abdelli F. (2005). Impact of water harvesting techniques on soil and water conservation: A case study on amicro – catchment in southeastern Tunisia , journal of arid environments , No.(61),pp.297-313.

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## SUMMARY

### **The Perception Level of Farmers in Tel-Abta Sub-District Mosul Governorate / Republic Iraq of The Importance of Water Harvesting Technology**

Aamel F. Al-Abbassi, Maher I. Al.Jubory, Talal S. Al-khafag

The research aimed at determining the perception level of farmers in Tel-Abta sub-district/Mosul Governorate of the importance of water harvesting technology, then to recognize the correlation between this perception and some independent variables. A stratified random sample of 120 farmers was selected which represent 15% of the total population. For data collection, a questionnaire was designed consisted of two parts, the first part included the measurement of independent variables, while the second part included 13 items to measure the importance of water harvesting from farmers perception.

Face validity was used to insure the validity of the questionnaire, and Alfa-chronbach was used for reliability which was 0.88.

The results showed that 2/3 of the respondents perceive the impotence of water harvesting with medium level, and there is a positive significant correlation between perceived importance of water harvesting and type of agricultural holding, exposure to agricultural sources of information, and cosmopoliteness, while there is no correlation with age of the farmer, educational qualification, and size of holding. The research included some conclusions and recommendations.