

Study the Reasons Behind the Intensity of Plants Growth in Fida (Village in Comparison with AlDwahriya Village (Wilayat of Dank

Summary

This research aimed to study the reasons behind the intensity of plants growth in Fida village in comparison with AlDwahriya village by answering the questions below

What are the reasons that lead to lack of plants growth intensity in

AlDwahriya village?ties of salinity, conductivity and acidity. They applied them to the soil and water samples in two different areas

Research Methods

Is there any difference in the characteristics of water and ?soil in the two villages? How

What are the external factors that impact on the lack of ?plants growth in AlDwahriya village

First, we searched for an issue to be studied through the field visits to some farms in the village. We also interviewed some farmers and agricultural special.

Research Questions

1-What are the reasons that lead to lack of plants ?growth intensity in AlDwahriya village Is there any difference in the characteristics of 2-/ ?water and soil in the two villages? How What are the external factors that impact on 3-

? the lack of plants growth in AlDwahriya village



:Done by
Jinan Hamdan Ali AlMoqbali
Sundus Juma Hamed AlMajrafi
Atheer Ali Musbah AlKalbani
Teacher: Fakhria Saud AlBalushi
Teacher: Jamila Humaid AlMamari

First: Research Plan

In the beginning, we got to know the new 2-farms in the village. Then, we applied the field visits in the selected sites. In fact, we discovered that farmers suffer from lack of plant

:growth issue

in AlDwahriya village. After that, we interviewed the village farmers to restrict the causes that lead to .this issue. We also collected information from different sources about research topic

We divided the team into two groups. Each group went to a village to take water samples that are used in crops irrigation and agricultural soil. Soil and water protocols were applied in school laboratory todiscover the reasons behind lack of plant growth in .Fida compared to AlDwahriya village. First team: AlDwahriya village, second team: Fida village

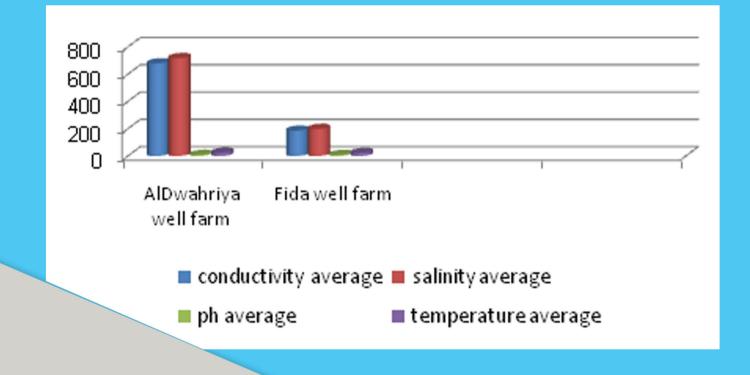
Month September/2018	Work Plan -Writing research issue -Selecting g tools and taking samples from the two areas.
October/2018	-interviewing farmers and agricultural
	engineers.
November/2018	-reaching the inference
	-start writing the research.
December/2018	-research submission

Second: Research Site

Sultanate of Oman – Governorate of AlDahira – Wilayat) of Dank), Fida and AlDwahriya Village, November and December, moderate weather, soil and water protocols were .(used

Results

:We got the following data by comparing the salinity, conductivity and acidity of AlDwahriya water and Fida water



Recommendations

Influential external factors such as quantity of water consumed in crops irrigation. It is a factor that affects a lot in intensity of plant growth in Al.Dwahriya village and the characteristics of water used in irrigation
Through this, we found out that the soil and water in AlDwahriya differ
.from those in Fida

The characteristics of AlDwahriya's soil: semi-sandy, plenty of rocks and .(carbon ,and low roots (granular and soft

The characteristics of AlDwahriya's water: more salinity, less conductivity and more acidity

The characteristics of Fida's soil: clay, few rocks and carbon ,and many roots ((Fragile, hierarchical

The characteristics of Fida's water: less salinity, more conductivity and low .acidity

Based on these results, we suggest that all people in the society should work hard to find solutions for plant growth intensity in AlDwahriya village. We also demand the government entities which are responsible of agricultural development to provide all farmers' needs in the village. They also should get rid of scarcity of irrigation water problem for plant diversity in quantity of water that need to grow

A timetable indicates the comparison of soil characteristics of the soil in the two study areas

	Conductivity	Quantity of roots	Quantity of rocks	Quantity of carbon	Acidity	Salinity
AlDwahriya	163	Few	Many	Many	7.99	5.57
Fida	284	Many	Few	Few	8.28	1.44

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