Evaluation of cotton transplantsing in saline soils

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Investigation of the impact of different irrigation methods on the growth and yield of cotton

Introduction

Cotton is a crop that is highly sensitive to the environment and is affected by various factors such as soil salinity. Therefore, it is crucial to evaluate the effectiveness of different irrigation methods to improve cotton yield and quality.

Materials and Methods

The study was conducted in a saline soil area in Iran. Three different irrigation methods were used: conventional irrigation, drip irrigation, and sprinkler irrigation. Cotton plants were grown under each method, and their growth and yield were measured.

Results

The results showed that drip irrigation had the highest yield, followed by sprinkler irrigation and conventional irrigation. The difference in yield was statistically significant.

Discussion

The results suggest that drip irrigation is the most effective method for growing cotton in saline soils. Further research is needed to explore other methods and techniques to improve cotton yield and quality in saline environments.

Conclusion

Drip irrigation is the most effective method for growing cotton in saline soils. Further research is needed to explore other methods and techniques to improve cotton yield and quality in saline environments.