

Investigation of Effects on Yield and Some Growth Parameters in Types of Satsuma Mandarin Which Irrigated with Drip Irrigation and Underground Drip Irrigation İ Comparison of Irrigation System and Growth, Yield and Some Parameters

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| Research Area | - |
| Research Program | Private Company Project |
| Executive Institute | International Agricultural Research and Training Center |
| Supporting Institute/s | Geo Flow Toprak Altı Damla Sulama San. Ve Tic. A.Ş. |
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| Research Period | 01.01.2018 - 31.12.2020 |

Project Summary:

The project will take place in the application area of District International Agricultural Research Institute in Izmir Province Menemen District. Five-year-old Satsuma mandarin varieties will be used in the project.

Full water and 0.30 water limit will be applied. Restricted water application will be applied to the project to observe the change in yield and the performance evaluation will be done by comparing the drip irrigation method with the surface drip irrigation methods. The data obtained at the end of each year in the project will be interpreted as statistics. The impact on the yield of mandarin will be investigated and the results will be published by the Directorate and the Company at the relevant places.

The trial will run for three years in triplicate, according to the split plot design of random blocks. In the project, water consumption and irrigation water quantities will be determined in tangerine water of two irrigation systems to be applied in the field of UTAEM.

Key words: Mandarin, Subsurface Drip Irrigation, Drip Irrigation, Constricted Irrigation.