## **Appendix**

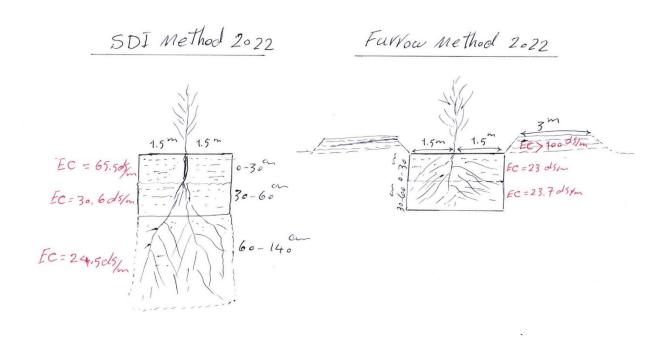


Fig 1A. Comparison of soil EC (dS m<sup>-1</sup>) in different soil layers between two irrigation methods (2022)



Fig 2A. Uniform distribution of roots according to the area of soil moisture development in subsurface drip irrigation (2018)

Fig 3A. In furrow irrigation, the roots start from the surface layer and reach the maximum density up to a depth of 50 cm in the soil, Feyzabad Pistachio Research Station Garden (2018)



Fig 4A. Uniform vegetative growth without symptoms of nutrient deficiency or toxic elements, SDI method, Feyzabad Pistachio Research Station (summer of 2022)

Fig 5A. Measuring the height of the tree in subsurface drip irrigation, Feyzabad Pistachio Research Station (autumn of 2022)



Fig 6A. Reproductive growth and fruiting in SDI method, Feyzabad Pistachio Research Station (2021)