

Drip irrigation is an irrigation system that delivers water directly to the roots of plants, reducing water consumption. By integrating technology, reusing resources, and modernizing farming methods, the challenges of water scarcity can be overcome, and a sustainable agricultural future can be ensured. In addition, seawater and groundwater are treated using reverse osmosis, clean energy is used to generate electricity, and hydroponics, which relies on a nutrient solution containing salts that is recycled. It also .uses treated wastewater to irrigate plants