Drip irrigation - Wikipedia

Drip irrigation or trickle irrigation is a type of micro irrigation system that has the potential to save water and nutrients by allowing water to drip slowly to the roots of plants in an arid or semi-arid region. It is an efficient irrigation method that conserves water and resources. Drip irrigation systems deliver water through a network of tubes.

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Irrigation Guide - USDA

Irrigation is an important aspect of agriculture, horticulture, and greenhouse production. It can be used to conserve and distribute water efficiently, and it helps in the growth and development of plants. However, in arid and semi-arid regions, irrigation can be a challenge due to the limited availability of water resources. Therefore, it is essential to use efficient irrigation methods and the variety of systems for each method that can be adaptable to meet local crop, water, and site conditions.

Plant nutrition - Wikipedia

Plant nutrition is the study of the chemical elements and compounds necessary for plant growth, plant metabolism, and their external supply. Its absence can lead to a decrease in plant productivity. Therefore, in arid and semi-arid regions, proper nutrition and irrigation practices are crucial for plant growth and development.

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