

Plantations

Minisprinkler and Sprayer Irrigation in Fruit Trees

Mini Sprinkler and Sprayer irrigation is very popular in irrigating fruit trees due to the simplicity of the system and the fact it creates a wide and developed root zone.



A wide root-zone is required for a better vegetative growing, creates a large canopy and better photosynthetic ability to the tree, as well as a better absorption of minerals from the soil.

Proper wetting area increases the quantity and quality of yield and saves water, energy, fertilizers, labor and cost. Optimal irrigation is achieved by irrigating the complete root-zone area of the tree.

Irrigating a larger area than required, will cause loss of water and growth of weeds.

Proper rain ratio is necessary for efficient irrigation

When the rain-ratio is too low, there will be loss of water due to evaporation. On the other hand, when the rain-ratio is too high - there will be run-off water and damage to crops.



Proper jet strength and droplet size are necessary for efficient irrigation. When the water jet is too strong, sensitive plants might be damaged and when the size of drops is too large, there will be run-off water and damage to crops. When the size of the drops is too small, they will be carried by the wind.

A large variety of TAVLIT Mini sprinklers and Sprayers with different wetting diameters and a wide selection of flow rates enable to select the most efficient Mini sprinkler for each tree at any stage of its growth.



Citrus Irrigation with mini sprinklers