Effect of drip and micro sprinkler irrigation on soil moisture distribution pattern in tomato crop under clay loam soil

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Abstract: Field experiment was conducted using drip and micro sprinkler irrigation on soil moisture distribution pattern in tomato crop under clay loam soil, revealed that moisture content at the surface (below the emitter) decreased from 29.60 to 29.18 per cent vertically down from 15-60 cm depth at the midpoint between two micro sprinklers for micro sprinkler system. Higher level of moisture was distributed in the midpoint between the two microsprinklers, but in drip irrigation more water penetrated into the deeper layer and crop utilized the water very effectively.

Key words: Drip irrigation, Micro sprinkler irrigation, Surface applied water, Moisture content