

Semiburied drip irrigation

Goal	Maximize water efficiency in processing tomatoes.
Short description of the measure	Drip irrigation benefits can be increased if the tubing is buried (at least 15 cm) or semi-buried (about 5 cm). This way water is released closer to the root system and water distribution optimized. Evapotranspiration is also reduced to the maximum.
Timeframe (When to start a measure and anticipated time for implementation)	During all the crop season.
How auditors can assess if the measure has been implemented in a good quality?	<ul style="list-style-type: none"> ▪ Farm Register Book and visual inspection. ▪ Tubing is buried at least 5 cm. ▪ Tubing must be pulled out from the soil immediately after the harvest.
Additional information the auditor need for verification (if any)	Check the proper functioning of the irrigation system.
Effects on biodiversity (ecosystems, species, soil biodiversity)	<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;">  </div> <div> <p>Amphibians: with drip surface fertirrigation amphibians are used to go to the tubing to drink. This risk is avoided with a semiburied irrigation.</p> </div> </div> <div style="display: flex; align-items: flex-start; margin-top: 10px;"> <div style="margin-right: 20px;">  </div> <div> <p>Conservation of aquatic biodiversity due to a proper conservation of the hydric resources.</p> </div> </div>
Indicator/key data	<ul style="list-style-type: none"> ▪ % of UAA with semiburied drip irrigation.
Reference	<ul style="list-style-type: none"> ▪ Campillo C. Et al MANUAL PRÁCTICO DE RIEGO TOMATE de INDUSTRIA. Centro de Investigaciones Científicas y Tecnológicas de Extremadura. CICYTEX. Instituto de Investigación Agraria Finca “La Orden-Valdesequera”. Guadajira (Badajoz)

Further information: [Knowledge Pool](#)

This Action Fact Sheet belongs to the training package for auditors of standard organisations and companies and was developed within the project LIFE Food & Biodiversity (Biodiversity in Standards and Labels of for the Food Industry). The main objective of the project is to improve the biodiversity performance of standards and sourcing requirements in the food industry by helping standard organisations to integrate efficient biodiversity criteria into their schemes and motivating food processing companies and retailers to include comprehensive biodiversity criteria into their sourcing guidelines.

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