

A recent study that compared the crop yield efficiency of apple orchards using four different methods of irrigation found that underground porous had a yield efficiency of **143%** higher than aspersion methods and **58%** higher than the drip-hose method.

- Provides water savings of up to **80%**
- Up to **40%** crop increase
- Provides up to **50%** fertilizer savings
- Up to **80%** reduction in weeds thanks to the dryness of the soil surface
- Thanks to the dryness of the soil surface, plant pests are eliminated, thus organic product production is ensured.
- **Controlled root irrigation**
- In underground irrigation, there is no need for the removal and repositioning of drip hose, which are needed in above-ground irrigation systems, thus eliminating the need for seasonal labor.
- **Aeration of the soil through the hose**
- **Green design based on 100% recycled material**



**Minimize
Water
Consumption**



**Lower
Energy
Consumption**



**Perfect
Boost
In Crop Yield**



**Increase
Farmable
Land**

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More
information!



IRRIGATION SYSTEM TECHNOLOGIES



EXU™ HOSE

EXU™ SPAGHETTI HOSE

ISTECH TREE SET



TECHNICAL SPECIFICATIONS

- **Diameter size:** 16mm (IN) 20mm (OUT)
- **Flow rate:** 15 per liter/meter/hour at 100 mbar.
- Flow rate is dependent on pressure so it varies depending on pressure
- Recommended pressure range: 100-500 mbars
- The hose is operational at high pressure but it will deliver significantly higher flow rate.
- Maximum laying range: 50 m
- Installation depth: 15-30 cm
- Strong hard body resistant to soil weight
- Recommended installation spacing: 70 cm (For Straight lines and dense planting such as clover)
- For greenhouses it is recommended to install the hose at a depth of 10-30 cm according to the root and stem structure of the plant.
- For trees, it is recommended to install in accordance with the leaf projection according to the age and trunk structure of the tree

1 roll is 200 meter



[More information!](#)

TECHNICAL SPECIFICATIONS

- **Diameter size:** 6mm (IN) 9mm (OUT)
- **Density:** 42 gr/m
- **Flow rate:** 2-6 per liter/meter/hour depending on pressure
- **Pressure range:** 200-2500 mbars
- **Maximum laying range:** 30m
- **Installation depth:** 10-20cm
- Strong hard body resistant to soil weight
- **Composition:** proprietary formula made of 100% recycled mix of caoutchouc and polyethylene and other components
- 1 roll is 200 meter



[More information!](#)

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