



Irrigasc system : instructions for use

1. Presentation

The Irrigasc irrigation semi-permeable pipe is a « sock » in plastic (polypropylene) vertically positioned in the ground, next to the tree or to the plant.

It consists of a tank of a capacity of 1 liter and of a mantle with thin walls opening of several hole in one side only.

The mantle measures 9 centimeter of diameter. The length changes according to needs (market gardening or cultivation of fruits trees).

2. Functioning

This system carries water and nutriments in-depth, directly to roots.

More precisely the Irrigasc shaft has effect :

- to stimulate the roots growth in bringing the plant water and minerals.
- to favour the reserves storage in roots.
- to lead roots to deep ground where the temperature is constant and allows so a roots continue growth, while the bad saison.
- to be the plants more resistant, because roots are less exposed to unfavorable factors in deep ground.

This system avoids the water loss by evapotranspiration, because the water sinks in the ground.

It allows so to save 90% of water, but too 90% of fertilizer.

3. Plantation

a) Equipment:

- A manual or motor auger
- Irrigasc shafts of the desired lenght
- Organic fertilizer (compost, wormscompost, etc...)
- Sand to fill the shaft if the soil is too clayey
- Plants must be the junger as possible with straight and healthy roots
- A watering can or equivalent and a water point
- A fens if man must protect plants against the herbivores



Comment: this irrigation equipment is very light and economic comparison to irrigation conventional technics.

b) Planting phases

- 1) Dig a hole with a auger (bit of 120mm diameter) either manual if the soil is light, or motor if the soil is compact ou hard. The hole depth depend on the shaft length.
- 2) Fill the mantle with the hole soil to the tank. If the soil is too clayey, add a substrate more porous to the soill (for example sand).
- 3) Bury in one third the tank with perforations towards the plant.
- 4) Fill the empty space between the soil and shaft with unpacked soil.
- 5) Plant at a distance of about 7 cm (wide of a hand) in the side of perforations (side of Irrigasc logo) in making a mix of two thirds of soil and one third of compost.
- 6) Pack slightly at three places around roots so as to fix the plant in the soil.
- 7) Put a organic fertilizer dose appropriate for the plant in the shaft.
- 8) Fill the tank with water until the level stay unchanging.
- 9) Water copiously the plant (Alldays while the first week if necessary).

4. Watering and maintenance

Water three times per week with 1 liter in the tank, preferably at evening.

5. Lenght of the mantle

The mantle can be order with the desired lenght.

6. Questions et pictures

Questions: info@compoverde.com

Pictures: www.compoverde.com



7. Pictures



