

The Draining Floater

The draining floater allows the pumping and the distribution of the natural springs water, rivers, retention water of the hill lakes, dams and other similar (small Sized) Runoff water retention managements... WITHOUT USING ANY ENERGY just THE GRAVITY

- ✔ No expensive Energy
- ✔ No Maintenance cost
- ✔ No CO₂ emission



The Buried Diffuser

Whether the motivation is improved crop profitability or a better resource use, The Buried Diffuser is the pertinent choice to irrigate your yields, trees, vegetables or even ornamental plants.

The use of the Buried Diffuser can provide great benefits such as:

- ✔ **Decreased water costs:** the water saving reaches 100% (0% evaporation), thus the irrigation frequency is considerably reduced.
- ✔ **Increased revenue from increased yields:** you will see your crop productivity increasing 3 to 5 times more than when using the drip; while reducing 2 times less the irrigation water.
- ✔ **Healthier, better quality crops:** soil and foliage are kept dry, reducing fungal diseases caused by surface or overhead irrigation. Eliminates fruit and vegetable spotting.
- ✔ **Decreased labour costs:** Less irrigation tasks, easier fertilizer application, less weeds and diseases control ...
- ✔ **Decreased energy costs:** The Buried Diffuser works with gravity (leave expensive pumps!) as well as the conventional water pressure.
- ✔ **Decreased fertilizer amounts:** efficient delivery on the roots
- ✔ **Decreased pesticides and herbicides amounts**
- ✔ **Increased pipes lifetime:** because all the irrigation water distribution network could be totally buried 10 - 20 cm below the topographic surface.



Innovative Products for Efficient Irrigation and Sustainable Water Resources Management

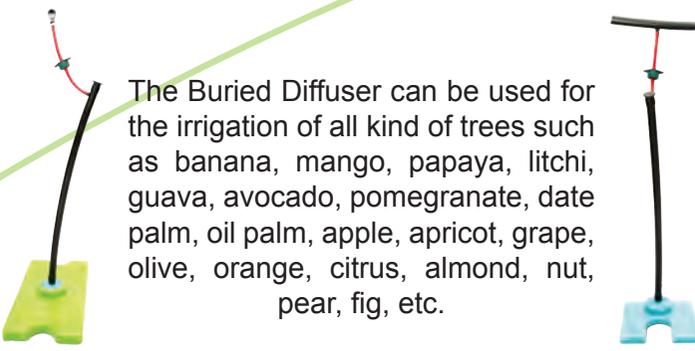


Trees Diffuser

The irrigation frequency is considerably reduced when using Buried Diffusers. This is a result of water saving which prolongs the duration between two irrigation.



For trees plantations irrigated with Buried Diffusers, if the soil (below 50 cm deep) is thick (1 meter or more) and has minimum 10% clay, the irrigation is once per month (12 irrigation per year) or one per 3 months (4 irrigation per year).



The Buried Diffuser can be used for the irrigation of all kind of trees such as banana, mango, papaya, litchi, guava, avocado, pomegranate, date palm, oil palm, apple, apricot, grape, olive, orange, citrus, almond, nut, pear, fig, etc.



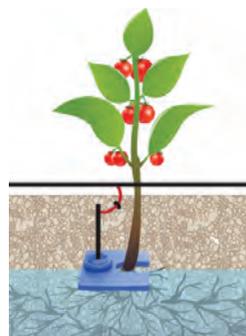
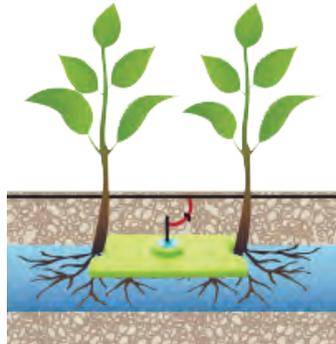
Vegetables Diffuser

For full conventional water volume (500 liters per plant during the cycle), the production of 112 pimentos plants irrigated using Buried Diffusers, is 716 kilograms. When using the drip irrigation, the production of 112 pimentos plants is 141 kilograms. That means that one liter of water produces one kilogram and 432 grams for the Buried Diffuser irrigation and only 282 grams for the drip irrigation.



For the same irrigation water amount The Buried Diffuser produces 4 times more than the drip irrigation.

The Buried Diffuser can be used on many vegetables such as pimentos, melon, water melon, cucumber, tomatoes, marrow, courgette, gumbo, potatoes, etc.

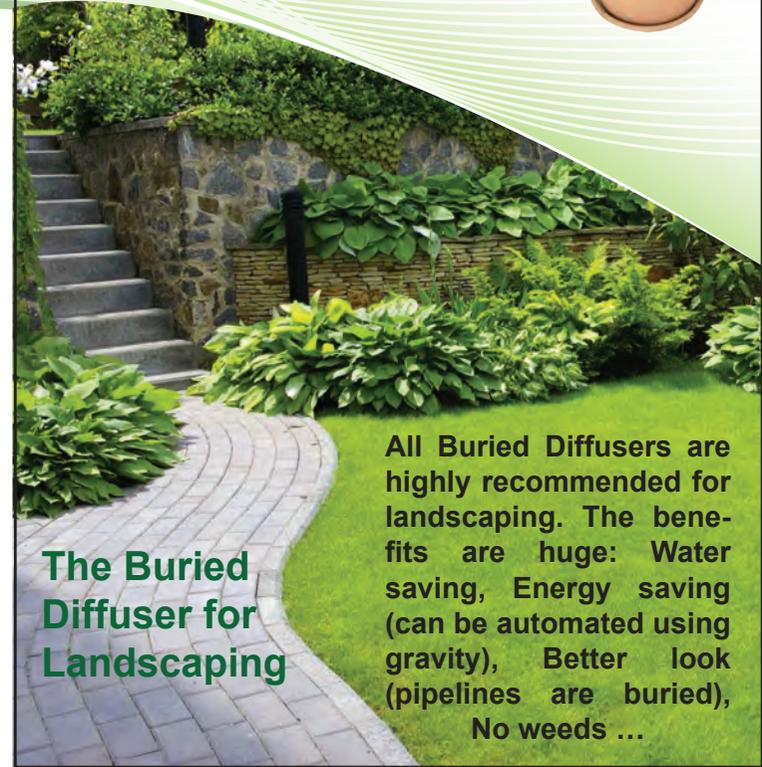


Containers Plant Diffuser

For the irrigation of Plants in containers, pots or boxes, The Buried Diffuser includes small water reservoirs to be filled during the irrigation. The capacities of the small reservoirs are few liters depending on the volumes of soil (to be completely "wetted") contained in the containers, boxes or pots. The moisture of the container soil, after the irrigation using The Buried Diffuser, is sufficient for several days.



This duration is at least 3 times longer than the existing irrigation methods (capillarity, and surface, and dripping).



The Buried Diffuser for Landscaping

All Buried Diffusers are highly recommended for landscaping. The benefits are huge: Water saving, Energy saving (can be automated using gravity), Better look (pipelines are buried), No weeds ...