



## The Benefits of the Groasis Ecological Water Saving Technology

This document demonstrates the advantages of using the Groasis Ecological Water Saving Technology to plant trees and/or vegetables.

**The Groasis Ecological Water Saving Technology is the only technology that allows you to plant a productive tree with 4 vegetables at the same time, or a native tree with 4 shrubs / flowers while saving water**

- The production of vegetables in combination with the productive tree helps the planter to generate income with which he can pay the box and produce food to consume; the productive tree is a positive "remnant";
- Planting a native tree with 4 shrubs / flowers drastically reduces the costs of ecosystem restoration projects. Normally, ecosystem restoration projects plant approximately 1,100 trees per hectare, of which 20% survive. The 220 trees that remain must fight to survive. If a planter plants 250 trees with the Growbox plant cocoon, with 4 shrubs / flowers on each tree, 90% will survive. This means that 225 native trees will grow quickly. The planter also has 900 shrubs / flowers. In total, he has 1,125 pioneer plants that will soon colonize the area. The Groasis Ecological Water Saving Technology offers a higher survival rate of trees, shrubs and flowers, combined with a drastic reduction in costs compared to traditional planting methods.

**Groasis Ecological Water Saving Technology allows year-round planting of any plant, in any location, in any climate, with 90 to 95% survival rates and on average 30% faster growth**

- Over 90 to 95% survival rate, anywhere; any climate;
- For any tree, any vegetable, any plant; average up to 30% faster growth;
- Plants any soil; also on rocks; even above the tree line;
- Year round planting; no matter how hot; or how cold;
- Year round planting means year round equal labour flow necessity;
- Optimum use of nursery because there is no peak period planting;

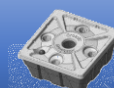
**Groasis Ecological Water Saving Technology uses significantly less water than drip irrigation, saving up to 99% for trees, and up to 75% for vegetables, thereby using valuable ground water resources more sustainably**

- Over 99% less water use with trees;
- Over 75% less water use with vegetables;
- If used before rainy season: self-filling with water; zero water use;
- No pumps, no electricity use; no scarce groundwater use;

**Groasis Ecological Water Saving Technology is a cost efficient way (saving on expensive drip irrigation systems, water and fertilizer) to turn wasteland into harvestable land**

- Inexpensive; affordable;
- No expensive energy plants to invest in; no electricity grid infrastructure needed;
- No water transport pipes and drip irrigation tubes infrastructure needed;
- In general new solutions are more expensive than the traditional method. The Groasis Ecological Water Saving Technology offers the rare combination of lower costs and more sustainable.
- Value rise of at present worthless land, creates the collateral to finance projects;

**Groasis Ecological Water Saving Technology applications are endless; from large government reforestation projects and privately run programs, to small rural farms in developing countries and consumer vegetable gardens**





- Planting can be industrialized; big scale planting becomes viable;
- For (big) professional project use; financed by user, bank or investor;
- For rural family use; financed by NGO's or governmental agricultural programs;
- For consumer use; dry gardening or home production of organic food;
- Easy to implement in micro-credit services; high revenues for financiers;
- Low cost big scale ecosystem restoration possible in combination with pioneer trees;
- Cities can recover their canopy on a street or suburbia level; also for parks
- Easy to use on inclined slopes, viaducts or to prevent avalanches in ski areas;
- Big scale fixing of sandy areas to prevent damage from sand storms;
- This micro-protection makes tree planting on community owned land possible;
- Groasis Telescoprotexx allows planting in combination with grazing animals;

## Other

- You can use the 10 times reusable Groasis Waterboxx® plant cocoon made of polypropylene;
- You can use the disposable biodegradable Groasis Growboxx® plant cocoon made from paper pulp;
- Easy in use; no additional education required for users;
- The Groasis capillary drill makes identical plant holes at high speed;
- The Groasis Terracedixx increases rainwater infiltration from 25% to 90%;
- Easy, free downloadable App with photo galleries and a manual in 10 languages;

## Successful Groasis Ecological Water Saving Technology

Since 2010 we are planting Waterboxxes and Growboxxes with very good results, all over the world. [In this link](#) you can find 50 scientific studies who demonstrate that the Groasis Ecological Water Saving Technology is able to plant productive trees in degraded areas without using irrigation. The water saving capacity of the Groasis Ecological Water Saving Technology compared to drip irrigation is over 90%.

Planting manual  
 الزراعة دليل  
 रोपण के मनुअल  
 種植手冊  
 Mwongozo wa kupanda  
 Dikim el kitabi  
 Manual de siembra  
 Manual de plantação  
 Manuel de plantation  
 Handleiding om te planten



Download the planting manual in our Groasis Waterboxx® app in Google or Apple store

