



The Benefits of the Groasis Ecological Water Saving Technology – ‘low costs – less water – faster growth’

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

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; in any climate;
- For any tree, any vegetable, any plant; up to 30% faster growth on average;
- Plants on any soil; also on rocks; even above the tree line;
- Year round planting; no matter how hot; or how cold;
- Year round planting means an equal labour flow necessity during the whole year;
- An optimal 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 fertilizers) to turn wasteland into productive land

- Inexpensive; affordable; less than 2 USD per tree;
- 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 land that is currently worthless, creates the collateral to finance projects;
- Organic Growmaxx mycorrhizae helps to replace expensive fertilizer;

Groasis Ecological Water Saving Technology applications are endless; from large government reforestation projects and private 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: planting productive trees in combination with vegetables;
- Vegetables as a cash crop make financing by NGO's or governmental agricultural programs possible;
- 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 suburban 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 sandstorms;
- This micro-protection makes tree planting on community owned land possible;



Award” 2014

The Treesolution with the Groasis Greenboxx is winner of the Accenture “Green Tulip Innovation



- 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 of paper pulp
- Simple to use; no extra education needed for users;
- The Groasis capillary drill helps making uniform planting holes at high speed;
- Easy App for free downloading of photo gallery planting manual in 10 languages;

Successful Groasis Ecological Water Saving Technology

Since 2010, we are planting Waterboxxes with very good results and since 2012 we plant the disposable Growboxxes, all over the world. In [this Dropbox link](#) you can find 44 scientific studies, demonstrating that the Groasis Ecological Water Saving Technology is able to plant productive trees on degraded areas without the use of irrigation. The water saving capacity of the Groasis Ecological Water Saving Technology compared to drip irrigation is over 99%.



Award” 2014

The Treesolution with the Groasis Greenboxx is winner of the Accenture “Green Tulip Innovation