

# IRRIGATION BAGS

## FOR MATURE, LARGE AND VETERAN TREES

# TREEIB®

MATURE TREE IRRIGATION BAG  
www.treeib.com

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INT. PATENT PENDING No. PCT/CZ2019/000056

## WHAT IS IT?

TREEIB® is a brand of unique irrigation bags with exceptional capacity and large irrigated area. They are developed for irrigation of trees older than 5 years on and behind canopy drip line, with special focus on city trees in urban areas. Bags release water on turf but even on stone or concrete paving. They are designed to save trees during heat waves and long drought period. They should be used for supporting large trees in spring and autumn. They are ideal for large tree protection in construction sites.



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TREEIB® contains all our experience from helping hundreds of our clients (cities, companies and individuals) to understand and use Tregator and other irrigation bags for newly planted trees. Products development took two years. After months of testing we have reliable and efficient tool to perfectly water 200 years old tree. And watering results are visible!

TREEIB® provides energy boost for tree foliage development, blossoming and growth in spring. It facilitates overcoming heat waves and drought in summer and it promotes root grow in autumn.

TREEIB® is secured by number of security measures to make the bag safe for the tree and the bag owner as well.

TREEIB® is made of highly durable UV stabilized German PVC material used by state civil protection units and armies in the world. The material is repairable even by informed amateur (repair kit is a part of the pack). We can print full color long life visuals. The material is certified as environmental safe, and even certified as child toys safe. It cannot be harmed by accidental human or car stepping.

TREEIB® is highly variable solution for various situations in urban areas and public space, on streets, in parks and gardens. It makes possible to rescue trees, which grow through generations. They save them on places, where it is not possible to plant a new tree (e.g. because of underground utilities).

TREEIB® reliably releases water on different types of surfaces: turf, concrete or stone paving, rocky surfaces.

Get more biomass on parking lots and streets to improve cooling effects of the trees.

## WHY WE DEVELOPED TREEIB®?

TREEIB® irrigation bags were developed because we needed them. We are owners of large old trees in our garden. We tried to use Tregator to support their health during increasing drought, which started in 2015 but it was difficult. We were testing hard to create a new product, which is convenient and efficient to use and beneficial for trees. And here it is! Use it to protect your property value, environment protection, tree collections in arboretums and cool your cities. Prevent trees from die back from construction works. Make TREEIB® available to your community, by lending you can achieve multiple effects in saving trees.

# TREEIB®

capacity: 1000 l  
 max. capacity: 1500 l  
 length: 600 cm  
 width: 110 cm  
 height when full: app 30 cm

time of water release  
 on turf: 8-12 hours  
 shape: 1/4 circle with diameter app. 7 m  
 suitable for: plain surface, slope  
 diameter of filling cylinder: 15 cm



# TREEIB® CITY

**VARIABLE SOLUTION**  
 FOR TREE IRRIGATION SURROUNDED BY STONE OR CONCRETE PAVING, ON STREETS AND PARKING LOTS

capacity: 400 l  
 max. capacity: 430 l  
 length: 204 cm  
 width: 105 cm  
 height when full: app 30 cm

time of water release  
 on paving : 20-22 hours  
 shape: rectangle  
 suitable for: plain surface, slope  
 diameter of filling cylinder: 15 cm

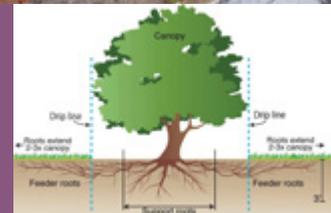
time of water release  
 on turf: 8-9 hours  
 anchoring metal  
 eyelets along edges



## HOW TO WATER MATURE TREES?

Feeder roots supplying a tree with water and nutrients are located mostly on and behind the canopy drip line. That's why it is not efficient to irrigate large trees by the trunk. On top, it is dangerous for the tree in at least two ways: it can support fungi diseases of root system and, because feeder roots have life span of app. one year, feeder roots can develop nearby the trunk and support roots lose their function. It can lead to instability of the tree and low survival rate in periods the water is not irrigated.

Despite the fact it is common that root system is reduced by construction works in urban environment, it is essential to soak water on drip line or behind it, if there is a chance feeder roots can be found there. There is no efficient solution except TREEIB® irrigation bags. It is important the irrigation dosage is large, app. 0,4-8 m<sup>3</sup>, suggested irrigation frequency is about 4 times per year.



**WRONG**

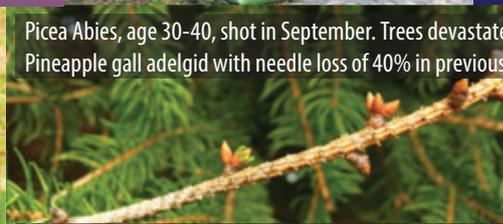


**CORRECT**

## RESULTS



Cherry tree, age 80, September: year shoots up to 50 cm



Picea Abies, age 30-40, shot in September. Trees devastated by drought and Pineapple gall adelgid with needle loss of 40% in previous year:



Fully defoliated twigs started growing again from latent buds. Trees come back to their rich foliage including terminal.