TREEIB®

THE SET OF TOOLS
for watering established and mature trees

UNOBTRUSIVE
Bags drain in **8–24 hours.**
Only **4–5** applications per year.

For the other 360 days, the bags serve your other trees, or you lend or rent the bags to your neighbors.

U.S. Patent No. 11,991,960

TREEIB® is a non-invasive solution for watering mature trees on a large scale: a method and watering bags, patented in the U.S. (No. 11,991,960), with further patents pending. We are a family business from the Czech Republic. When drought stressed our own trees in 2016–21, we found no proper way to water mature trees — so we developed one.

The bags hold 396 or 114 gallons, set up and fill in minutes, release water deep into the root zone within a day, and then move on to the next tree — so a small fleet serves many trees.
Safety and efficiency come first: heavy-duty, toy-safety-certified material, a wide, lockable filling cylinder that takes anything from a garden hose to a fire hose, a unique serial number on every bag and a repair kit in the box. TREEIB is already used in the U.S. by cities, botanical gardens and tree-care companies.

The solution is versatile — from seasonal care and the rehabilitation of declining trees to watering street trees in paved areas, supporting trees during construction, and cooling during heat waves. That is why every deployment starts with a clear goal. Sponsors can help fund large-scale deployment, with their logo printed on the bags.

At the NLC City Summit 2026, we are inviting the first 20 cities to pilot TREEIB in the 2027 season. Sign up at nlc2026.treeib.com.



TREEIB®

THE **RIGHT WAY**

makes watering big trees feasible

ON A LARGE SCALE | BY YOUR CREWS OR LOCAL CONTRACTORS | FOR CLIMATE CHANGE ADAPTATION

THE WATERING BAGS

U.S. Patent No. 11,991,960

TREEIB® 500

CAPACITY: 1,500 L / 396 US gal

LENGTH: 600 cm / 19.7 ft
WIDTH: 102 cm / 3.35 ft
HEIGHT WHEN FULL: 40 cm / 15.7 in

WATER RELEASE TIME: 8–16 hours
SHAPE: quarter-circle, 7 m (23 ft) diameter
FILLING OPENING: 15 cm / 6 in
USE: flat ground or slopes up to 20°

PARKS
GARDENS
PUBLIC SPACES
CONSTRUCTION SITES
LARGE TREE TRANSPLANTS







TREEIB® city

VERSATILE SOLUTION FOR WATERING TREES IN PAVED AREAS

CAPACITY: 430 L / 114 US gal

LENGTH: 200 cm / 6.6 ft
WIDTH: 102 cm / 3.35 ft
HEIGHT WHEN FULL: 40 cm / 15.7 in

WATER RELEASE TIME:
GRASS SURFACE: 8–9 hours
PAVED SURFACE: 20–22 hours
SHAPE: rectangle
FILLING OPENING: 15 cm / 6 in

STREETS
SIDEWALKS
PAVED AREAS
PARKING LOTS
CONSTRUCTION SITES






SCHEDULE A ONE-ON-ONE MEETING WITH THE INVENTOR



30 minutes.
Your trees, your goals — and your city's place among the first 20 pilots.

nlc2026.treeib.com

TRACEABLE SUPER-SAFE REPAIRABLE CUSTOM BRANDING



THE METHOD

U.S. Patent No. 11,991,960

#strategic watering

#backed by science

THE RIGHT PLACE

WHERE WE WANT THE ROOTS TO BE

On and beyond the canopy dripline

The extent and shape of the root system should reflect the natural root architecture of the taxon.

THE RIGHT TIME

WHENEVER THE SOIL TEMPERATURE IS ABOVE

6°C/43°F (humid continental climate zone)

Water must remain available to the tree, even if irregularly, to prevent fine-root dieback.

THE RIGHT FREQUENCY

SOIL GAS EXCHANGE IS POSSIBLE AND SHALLOW ROOTING IS PREVENTED

4–5 times per year

Vertical soil hydraulics is restored, as we cannot replace all the water the tree needs. The goal: maximum drought resistance, an extensive root system, and healthy rapid growth the following season.

THE RIGHT DOSE

ENOUGH TO REPLACE WATER LOST THROUGH TRANSPIRATION OVER AT LEAST 10 DAYS

TOTAL DOSE PER TREE: 800–9,000 L / 211–2,400 gal

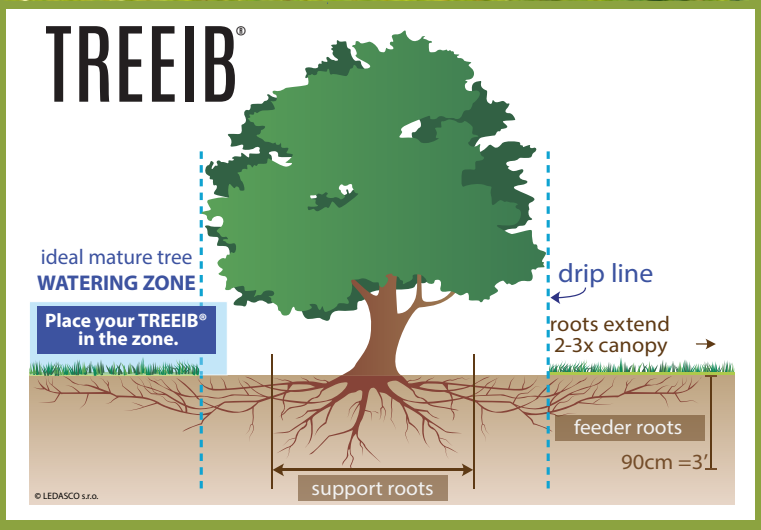
A sufficient volume of water must reach a minimum depth of 60 cm / 2 ft.

- IMPROVES SAFETY
- SUPPORTS GROWTH
- INCREASES VITALITY
- IMPROVES HEALTH
- PROMOTES RESISTANCE TO PESTS
- APPLIES SOIL AMENDMENTS
- PROTECTS TREES ON CONSTRUCTION SITES
- HELPS FLUSH ROAD SALT
- MITIGATES CLIMATE CHANGE
- BRINGS RAIN
- COOLS CITIES
- MANAGES STORMWATER









SAME TREES, THREE YEARS LATER

NO FERTILIZER APPLIED





NEW NEEDLE GROWTH





Following watering in July, new needles emerged in August from adventitious buds on branches showing tip dieback. This new growth increases foliage area, improves canopy appearance, and supports the provision of ecosystem services, particularly in subsequent growing seasons.

SAVING ONE BIG TREE CAN PAY FOR THE BAG THAT PROTECTS IT.







Every mature tree you keep is a removal you don't pay for. Removing and replanting a single tree costs about $1,100–$4,500+*, and the new tree needs decades to give the same shade. One TREEIB 1500 bag costs about as much as a single tree removal and replacement, lasts for years, and can serve multiple trees each season.

*Iowa DNR (removal) · UMass Amherst (planting)

CONTACT

Martin Tušer

Inventor of TREEIB® · Owner & R&D Director

+420 607 655 614 (also WhatsApp)

info@ledasco.cz · treeib.com

TREEIB® MUNICIPAL PILOT NETWORK

PILOT WITH US.

20 cities · one season · from $7,800

Sign up: nlc2026.treeib.com

SCAN TO SIGN UP

LEDASCO s.r.o. · Felklova 2005, 252 63 Roztoky, Czech Republic

Co-funded by the European Union

Ministry of Industry and Trade of the Czech Republic