



# TUBEX®

Advancing growth



**NEW  
LAUNCH**

## TUBEX NATURE

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Introducing a new generation of tree-shelters designed to be biodegradable in nature\*

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[Tubex.com](https://www.tubex.com)

# Developing the future of forestry

## The next generation of biodegradable tree shelters

Tubex Nature is a new range of tree shelters designed to be biodegradable and non toxic, currently in trial across the UK\*.

Tubex Nature is a solution for nature when collection is difficult or sometimes impossible, the most sustainable alternative solution designed for areas with dense woodland and difficult access where collection and recycling is not practical.



## What is **Tubex Nature** made from?

**The new Tubex Nature range is made from bio-based polymers. What does this mean?**

Bio-based polymers are materials wholly or partly derived from biomass, such as plants, trees or animals.

But not all Bio-based polymers are biodegradable.

All polymers used to manufacture Tubex Nature have already been tested to be biodegradable and bio-based\*\*.



**DERIVED  
FROM  
NATURE**

\*Currently under testing for ISO:17556 Soil Biodegradability. Tested against OECD 207 for Earth-worm ecotoxicity and OECD 208 for Plant ecotoxicity - No acute toxicity detected

\*\* All components of TUBEX Nature have been tested and certified to biodegrade, passing the norm 14995:2006

# Product range

**This autumn we will introduce the first product of this new generation of tree shelters**

Our first goal for Tubex Nature is to introduce a Tree Shelter that is

- **Bio-based & Biodegradable\***
- **High quality & fit for purpose**
- **Excellent tube light transmission**

TUBEX Nature will over time start to degrade and breakdown into water and CO<sup>2</sup> by a process of microbiology, rate and time period of bio-degradation depending on soil and climatic conditions.

Mulching or burying Tubex Nature at its end of life will significantly increase the rate of this process.



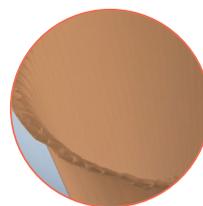
## Tree tube designed to be soil biodegradable & non toxic\*

- Expected life in field of 3 to 5 years, depending on climatic conditions
- Excellent light transmission modelled on Tubex Standard
- All raw materials certified for biodegradability\*\*
- Finished Tubex Nature in full testing according to ISO:17556 for soil biodegradability\*
- Protection against browsing animals
- Accelerates growth by creating a microclimate\*\*\*
- Natural colour to blend in with the environment

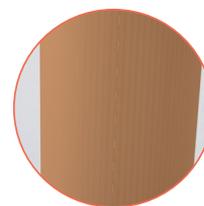
# Tubex DNA

Tubex Nature is designed following our original and most recognised tree shelter, Tubex Standard tree shelter. It keeps the essence of Tubex in its structure while introducing biodegradability in its composition.

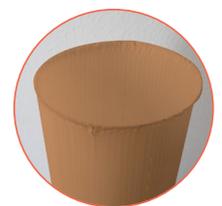
## Superior tree shelter performance



Twin walled construction to minimise weight while maximising strength



Tubex laserline to allow the tree to break free



Flared rim to minimise stem abrasion

Product specifications	Height (m)	Diameter (mm)	Colour	Material
Nature range	0.6, 1.2	73 - 105	Light brown	Bio-based blend

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\*\*\*Potter, M. J., Treeshelters, Forestry Commission Handbook 7 (Page 20-25)

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## Our sustainability strategy

At Tubex, we strongly believe in the benefits that tree shelters bring to the forestry industry and the planet. In 2020 it is estimated that tree shelters saved over 12.5 Million saplings that otherwise wouldn't have survived, in the UK alone. However, we are aware that the main challenge that faces the industry is the disposal of these tree shelters at the end of their life. **That's why we are moving away from a linear model based on the take-make-waste premise, and strive to move forward towards a Circular economy.**

There's no one-size-fits-all solution, we are working in three different routes that will help close the loop. **Tubex Nature**, is our answer for hard to reach areas, where collection is not practical. **The Tubex Collection & Recycling Programme** is now available across the UK, a simple and effective solution to ensure a responsible disposal of Tubex tree shelters. Today our Tubex Standard tree shelters contain up to 30% recycled content, our goal is to continually increase this until **we reach 100% recycled polymer.**



Find out more about our sustainability strategy at:  
**[tubex.com/sustainability](https://tubex.com/sustainability)**

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