

Rainbow Oceanos Tree Shelter Introduction



Releasable cable ties as standard



Twin-walled for strength



Flared rim to prevent rubbing

Stake and plant sold separately

Oceanos was crafted by Rainbow with a purpose: safeguarding young trees whilst preserving oceans.

Made from Oceanomer, their innovative recycled plastic material composed of a minimum of 50% recycled ocean-bound and post-consumer waste, Oceanos offers all the benefits of a conventional tree shelter whilst contributing to cleaner oceans and waterways.



Designed to last a minimum of 5 years, Oceanos creates a favourable microclimate to boost plant development during the crucial early stages of growth. It shields young trees from browsing animals and herbicide spray, significantly increasing their survival rates.

Benefits

- Protects from browsing animals
- Protects from herbicide spray
- Creates microclimate to promote healthy growth
- Easy installation – comes with pre-fitted releasable cable ties

Installation

- Plant bare root or cell grown plant.
- Insert stake next to plant.
- Install tube over plant, gently pushing into ground.
- Tighten pre-fitted cable ties around stake.
- Plan for removal and recycling at end of life once the tree is established.
- See installation diagrams (pg 4) for more information.

Specifications:

Dimensions	Oceanos Tree Shelter	Material	For All Sizes
Height m*	1.2	Tube	Polypropylene (50% recycled ocean bound and post consumer waste)
Diameter mm	73-110	Cable tie	Nylon
Number of cable ties	2	Tube colour	Green
Type of cable ties	Releasable	Service life (tube)	Minimum 5 years
Length of cable tie mm (inch)	280 (11)	Biodegradable	No
Height of top cable tie from ground mm **	820	End of life	Remove for recycling.
Height of bottom cable tie from ground mm **	240	Recyclable	Yes.
Average weight/tube g	160g	Recycling options	Use a local Recycling Centre and the bin for 'Plastic' (Code 5 PP).
			Or contact Tubex for details of their Collection & Recycling scheme.
			Or use a similar agricultural recycling service.
		Recommended support	Stake

Packaging	Oceanos Tree Shelter
Nest	5
Bundle	100
Bag or strap banded	Strap banded

* Manufacturing tolerance of tube height +/- 25mm.

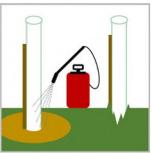
** Manufacturing tolerance of cable tie height +/- 15mm.

Rainbow Oceanos Tree Shelter Features & Benefits

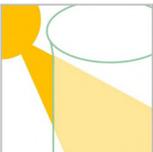
Plant Welfare



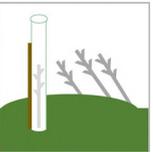
Animal protection
Protects young plants from bark-stripping and browsing animals.



Herbicide protection
The tube protects from herbicide spray.



Light transmission
Creates a mini greenhouse effect, encouraging growth.



Wind protection
Delivers wind break effect, protecting plants on exposed sites.

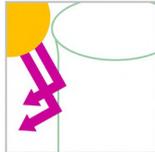


Flared rim
To minimise stem abrasion.



Laser-line
To allow the tree to break free.

Lifespan



UV Stabilised polypropylene
Provides minimum 5 years protection.

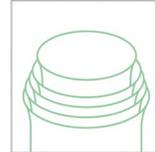


Twin walled
Delivers best strength to weight ratio.

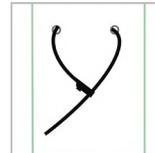


Recyclable
Through commercial PP recycling centre or via the *Tubex Collection & Recycling Scheme*.

Installation



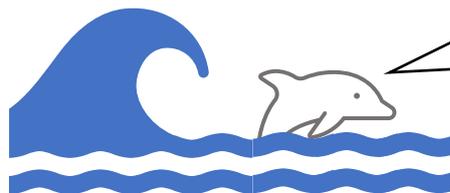
Nested
For ease of movement around site.



Pre-fitted cable ties
Thumb-releasable for easy installation & maintenance.



Green colour
Blends into background.



Manufactured from a minimum of 50% recycled ocean-bound and post-consumer plastic.



Rainbow Oceanos 1.2m shelters bundled in 100, nested tubes

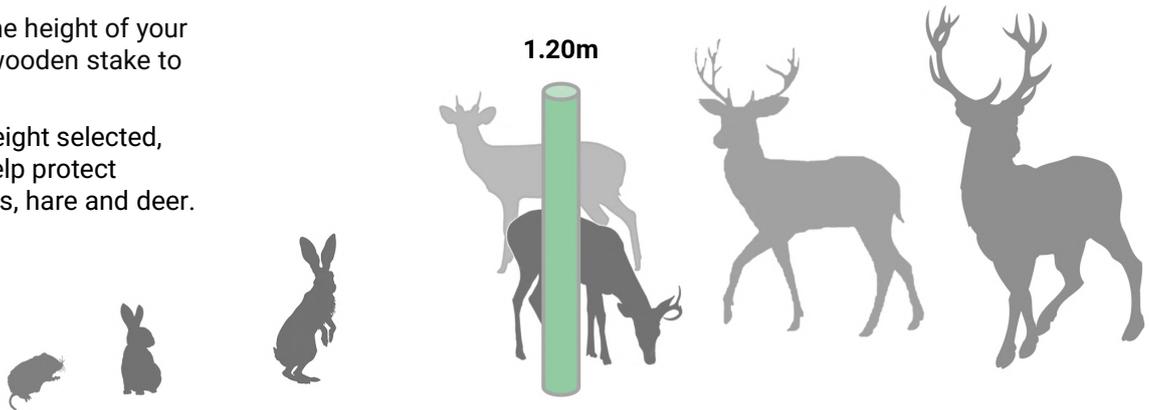
Rainbow Oceanos Tree Shelter Range Choices

Height

Identify which damaging agent (animal) you wish to protect your plants from.

This will influence the height of your protection and the wooden stake to support it.

Depending on the height selected, Tree Shelters can help protect against voles, rabbits, hare and deer.



Protecting against	Vole	Rabbit	Hare	Muntjac / Roe Deer	Fallow Deer	Red Deer
Minimum height of tube for protection	20cm	60cm	75cm	1.20m	1.50m	1.80m
Height of supporting stake*	Not required	75 or 90cm	90cm	1.20m or 1.35m	1.50m	1.80m

* It is advisable to use a longer stake for sandier, lighter soils.

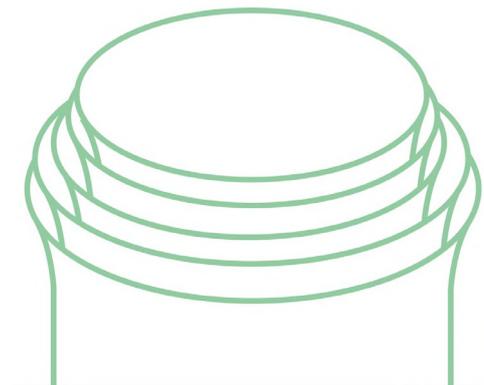
Available Sizes 

Diameter Types

Tubes are nested (one inside the other), to save space and time when moving plant protection around a site.

Diameters describe the range of diameters you will find in a nest of tubes, from the smallest to the largest.

Rainbow Oceanos comes in nests of 5 with a diameter range of 73-110mm.



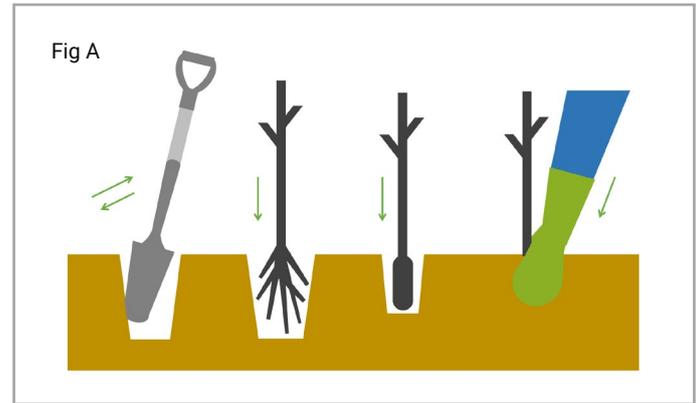
Rainbow Oceanos Tree Shelter Installation

PLANT

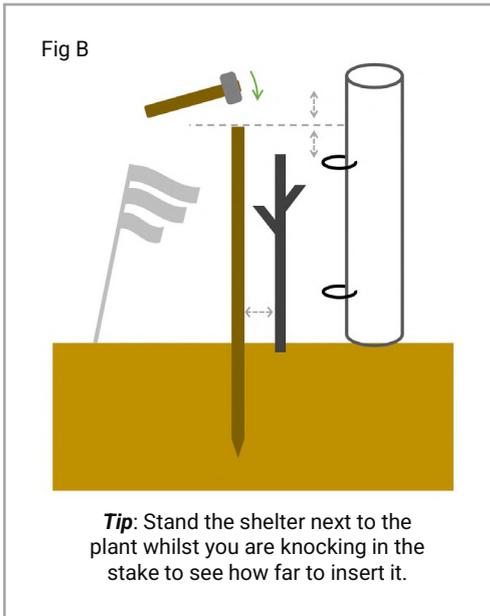
Planting bare root or cell grown plants is a straightforward task, however, do not attempt to plant if the ground is frozen or waterlogged. Find a suitable position for your plants, bearing in mind future growth and potential height and spread at maturity.

Bare rooted or cell grown plants can be 'notch' planted in 3 steps (Fig A):

1. Begin by inserting the blade of a spade into the ground. Push the spade handle away from you and then bring it back towards you. Once you remove the spade, you will see that you have created a cavity or 'notch' in the ground.
2. **For bare root** - place the plant roots within the cavity and shake to ensure that all of the roots are in the cavity and pointing downwards. **For cell grown** - place the cell gently into the ground. Ensure the top of the plug (the soil surrounding the roots) is positioned at 2 to 4cm below the surface to avoid drying out.
3. Fill the cavity with soil. Use your heel to firm the soil around the plant to remove any air pockets. Once planted, give them a good water if practical to do so.

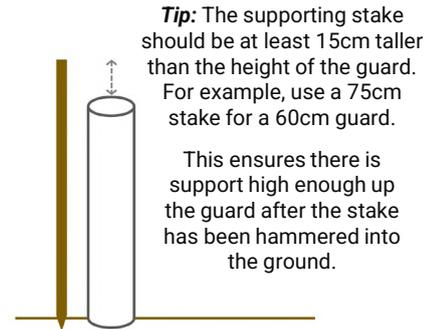


You are now ready to install your support and protection.



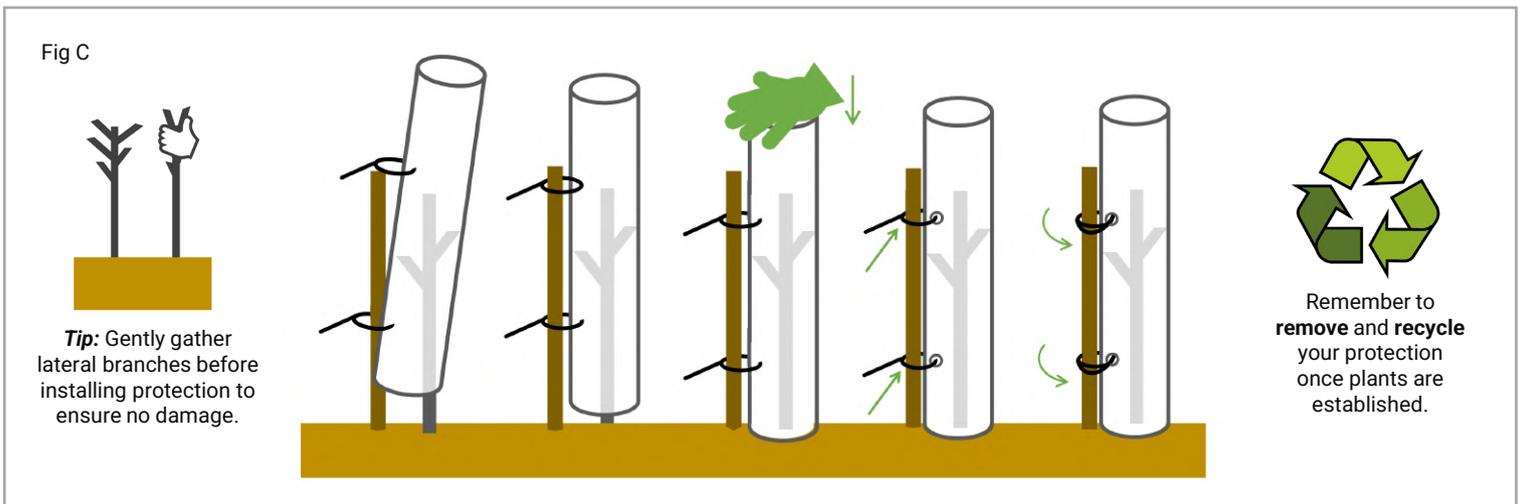
SUPPORT

1. After planting, position the stake on the windward side if there are strong prevailing winds, and between 2cm to 5cm from the base of the plant (Fig B).
2. Hammer the stake into the ground with a stake driver or mallet (ideally knocking 1/3 of its height into the ground). Ensure it is vertical (particularly important on sloping ground). The top of the stake should be below the top rim of the shelter and above the top cable tie.



PROTECT

1. Position the shelter over the tree (Fig C), making sure not to damage any lateral branches, sliding the releasable tie wraps over the stake at the same time.
2. Push the shelter into the ground 1cm to 2cm. This forms a safe herbicide barrier and deters vermin from burrowing under the shelter.
3. Tighten the thumb releasable ratchet ties, ensuring the shelter is firmly positioned.
4. Tuck the tie ends into the holes in the shelter for neatness and to deter rubbing by deer or sheep.



Remember to **remove and recycle** your protection once plants are established.