

Tubex Ecostart Introduction



Plant sold separately

The economic (hence 'eco') solution to reliable plant protection, where the main focus is the initial establishment period.

When the primary concern is getting the tree off to a good start, then the Ecostart from Tubex is both a reliable and competitive choice.

The most affordable pre-formed solid tube in the range of Tubex products, the Ecostart has been designed to offer a minimum of 3 years protection, boosting the chances of survival and healthy growth through the initial stage of a tree's life.

Lower UV stabiliser and smaller diameters allow the shelter to breakdown earlier, making it suitable for small slender plants used in hedging and small scale landscaping.

If the young plant begins to fill the shelter then it can be easily released by splitting along the laserline.

Note - Shelter longevity is dependent on site and weather conditions.

Benefits

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

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 tie(s) 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
Height m*
Diameter mm
Number of cable ties
Type of cable ties
Length of cable tie mm (inch)
Height of top cable tie from ground mm **
Height of bottom cable tie from ground mm **
Average weight/tube g

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

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

Tubex Ecostart Range	
0.6	0.75
57-73	57-73
1	2
Releasable	Releasable
150 (6)	150 (6)
350	500
na	200
42	55

Packaging
Nest
Bundle
Bag or strap banded

Tubex Ecostart Range	
3	3
150	150
Bag	Bag

Material
Tube
Cable tie
Tube colour
Service life (tube)
Biodegradable
End of life
Recyclable
Recycling options
Recommended support

For All Sizes
Polypropylene (30% recycled material)
Nylon
Green
Minimum 3 years
No
Remove for recycling.
Yes.
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.
Stake

Tubex Ecostart Features & Benefits

Plant Welfare



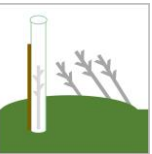
Animal protection
Protects young plants from bark-stripping and browsing animals.



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.

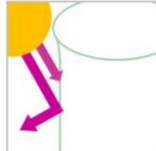


Flared rim
To minimise stem abrasion.



Laser-line
To allow the tree to break free.

Lifespan



Lower UV stabilisation*
Provides minimum 3 years protection.
* Compared to other Tubex.



Strengthening rods
to prevent tearing at stake area.



Twin walled
Delivers best strength to weight ratio.

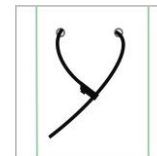


Recyclable
Through local supplier or via the *Tubex Collection & Recycling Scheme*.

Installation



Nested
For ease of movement around site.



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



Green colour
Blends into background.



Tubex Ecostart 0.6m
Bag of 150 nested tubes



Tubex Ecostart 0.75m
Bag of 150 nested tubes

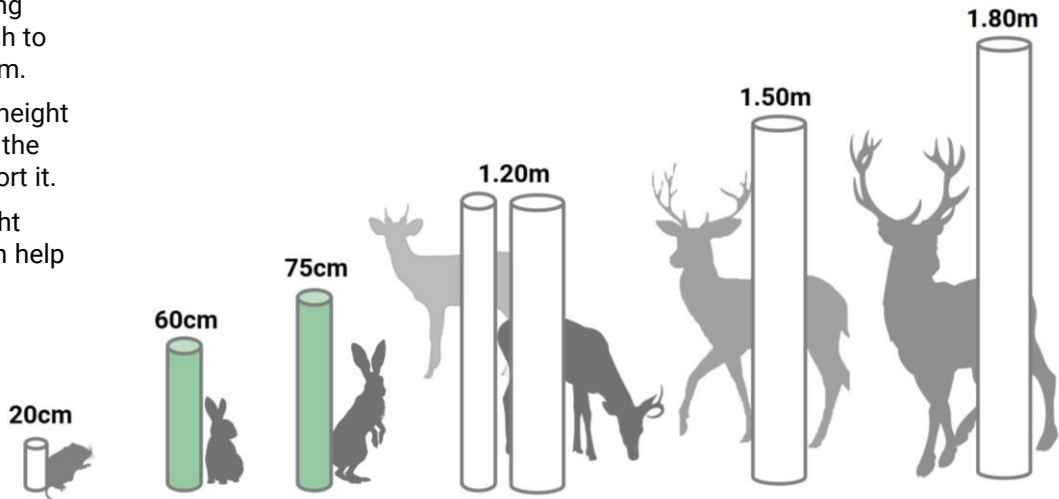
Tubex Ecostart Range Choices

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, Ecostarts can help protect against voles, rabbits and hare.



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	75cm	90cm	1.20m or 1.35m	1.50m	1.80m
Diameter Type	NA	Standard	Standard	Standard or Standard plus	Standard Plus	Standard Plus

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

Tubex Ecostart 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.

Ecostart Tree Shelters come nests of 3 tubes. Their narrow diameters are suitable for young, slender plants.



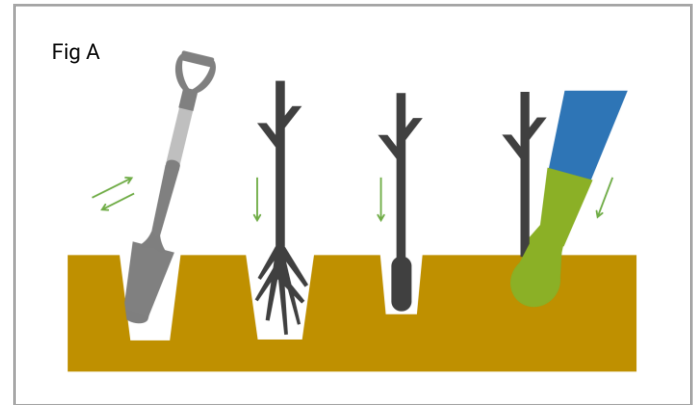
Tubex Ecostart Installation

PLANT

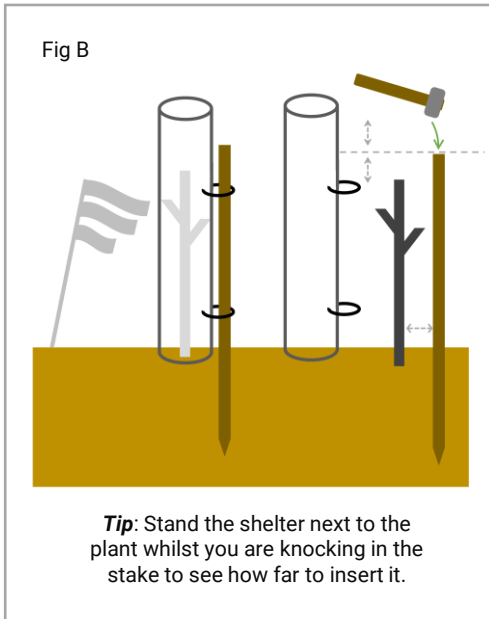
Planting bare root or cell grown plants is a straightforward task, however, do not attempt to plant if the ground is frozen or waterlogged. Find a suitable position for your plants, bearing in mind future growth and potential height and spread at maturity.

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.

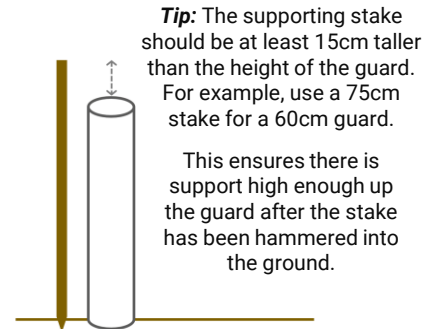


You are now ready to install your support and protection.



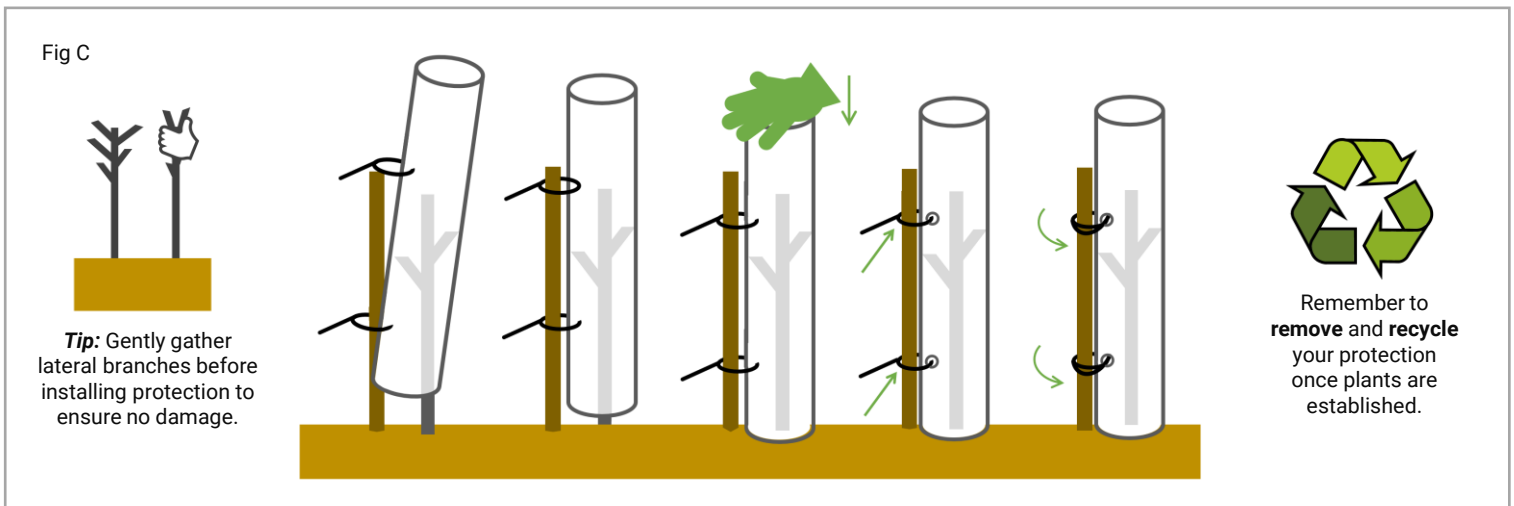
SUPPORT

1. After planting, position the tube on the windward side if there are strong prevailing winds, and the stake 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.