

# Rainbow Terra Wraparound Introduction



**Use it, leave it.** The Wraparound is part of Rainbow's award winning 'Terra' range. A biodegradable shelter that is 100% natural and plastic free. It is perfect for protecting young, slender hedging plants from browsing animals and herbicide spray, and is particularly suitable for inaccessible locations where collection at end of life is not possible.

This material has achieved a **Soil Biodegradability Certificate\***, providing the **reassurance** that the shelter not only disintegrates, but **fully biodegrades** back into CO<sub>2</sub> and biomass, even in **freshwater and marine environments**.

**100% plant based and non-toxic**, Terra is made from plant resin and recycled natural wood residue from the UK.

The service life is an **average of 5 years**, depending on climatic conditions and location of planting.

**Class-leading light transmission** enables plants to grow at a natural rate (as opposed to being drawn up the shelter too fast, which can lead to instability).

### Benefits

- 100% biodegradable, **no removal or recycling costs**.
- Protects from browsing animals and herbicide spray.
- Creates microclimate to promote healthy growth.
- Expands with hedging plant growth – avoiding strangulation of plants.
- Very quick and easy to install.

### Installation

- Plant bare root or cell grown plant.
- Insert cane next to plant, ensuring one third of the cane is pushed into the ground.
- Separate a Terra Wraparound from the nest of 3.
- Slot the Terra Wraparound over both the plant and the cane, ensuring the wrap touches the ground.
- At end of its useful life (minimum 5 years) leave in-situ to biodegrade.
- See installation diagrams (pg 3) for more information.

### Specifications:

Dimensions	Terra Wraparound	Material	Terra Wraparound
Height m*	0.6	Wraparound	Plant resin + recycled natural wood residue from the UK.
Diameter mm	38mm	Colour	Natural
Number of cable ties	Not required	Service life	Estimated 3-5 years**
Average weight/tube g	50	Biodegradable	Yes
<b>Packaging</b>	<b>Terra Wraparound</b>		Note - should you wish to expedite the biodegrading process then remove the wraparounds for industrial composting.
Nest Size	3		
Wraps/Box	165		
Bagged or boxed	Box		
Protects Against	Vole, Rabbit	Recommended support	90cm cane (or 120cm if light, sandy soil).

\* Manufacturing tolerance of wrap height +/- 10mm.

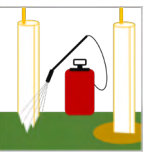
\*\* Product longevity is dependent on site and weather conditions and cannot be guaranteed.

# Rainbow Terra Wraparound Features & Benefits

## Plant Welfare



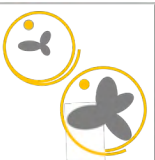
**Animal protection**  
Protects young plants from bark-stripping and browsing animals.



**Herbicide protection**  
The wrap protects from herbicide spray.



**Light transmission**  
Class-leading light transmission among biodegradable shelters, enabling trees and vines to grow at a natural rate.



**Expands with growth**  
Expands as the plant grows, meaning it works with the plant not against it, avoiding strangulation.

## Lifespan



**100% biodegradable**  
Because of the materials used, Terra Wraparounds are 100% biodegradable and non-toxic.



**Certified Soil Biodegradable**  
The first tree shelter material to have this certification.



**Fish friendly**  
Safe in marine & freshwater environments – ideal for riparian restoration work.



**5 years protection**  
Service life of an average of 5 years, depending on weather and planting location\*\*.

## Installation



**Boxed**  
Packed into boxes, meaning easy stacking on pallets and packaging that is compostable.



**Nested**  
For ease of movement around site.



**Natural Colour**  
Blend seamlessly into the environment.



**No removal needed**  
Save money – no collection or recycling needed.



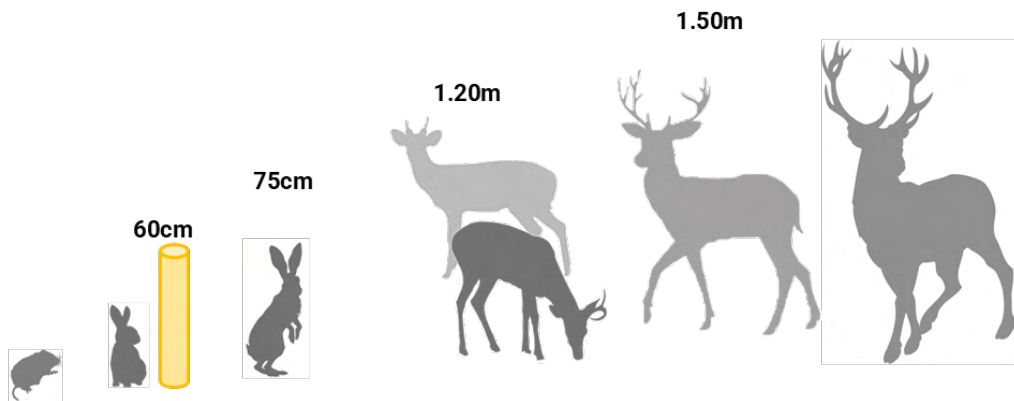
*These shelters are produced using biodegradable materials. The performance and decomposition rate can be affected by various factors beyond our control. Due to these cutting-edge innovative materials and the lack of long-term testing data, we assume no liability for performance outcomes or plant health issues after installation. Close monitoring is required on each specific site.*

# Rainbow Terra Wraparound 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 support used. Terra Wraparounds can help protect against Rabbits and Voles.

Please contact the office to discuss your requirements.



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 cane*	Not required	75 or 90cm	90cm	1.20m or 1.35m	1.50m	1.80m

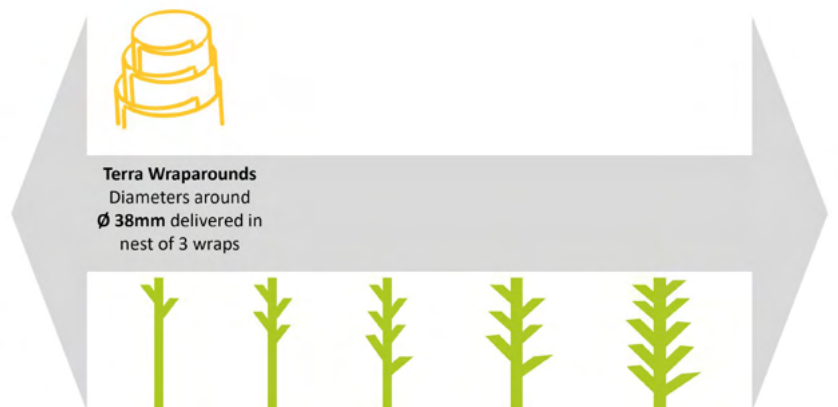
\* It is advisable to use a longer cane for sandier, lighter soils.

Rainbow Terra Wraparound Available Size 

## Diameter Types

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

Rainbow Terra Wraparounds have a diameter of c.38mm, making them suitable for slim to medium plants (ie not shrubs).



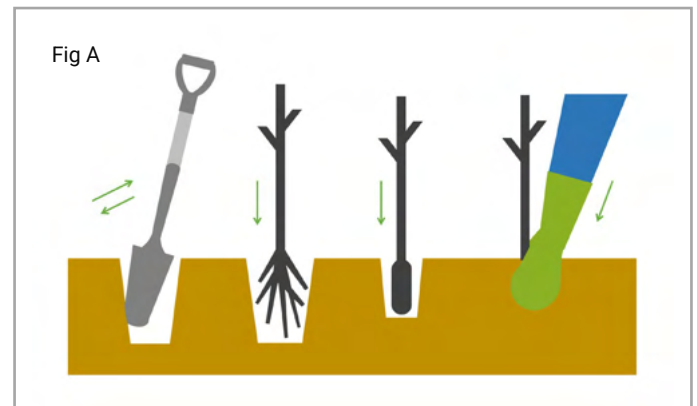
# Rainbow Terra Wraparound Installation

## 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.

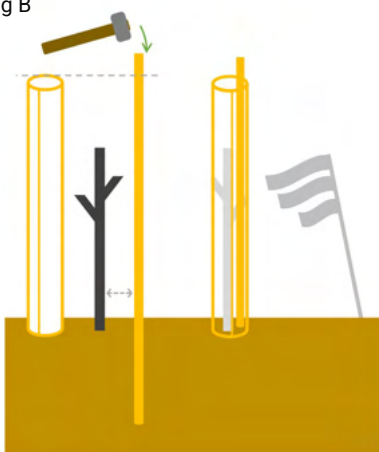
Bare rooted or cell grown plants can be 'notch' planted in 3 steps (Fig A):

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.

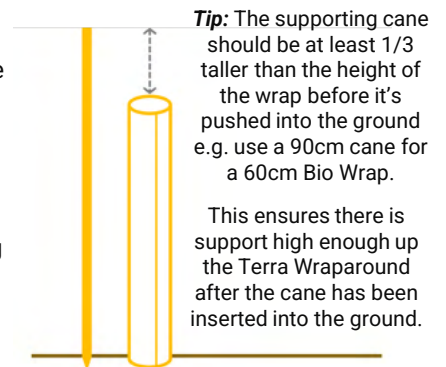
Fig B



**Tip:** Stand the Terra Wraparound next to the plant whilst you are knocking in the cane to see how far to insert it.

## SUPPORT

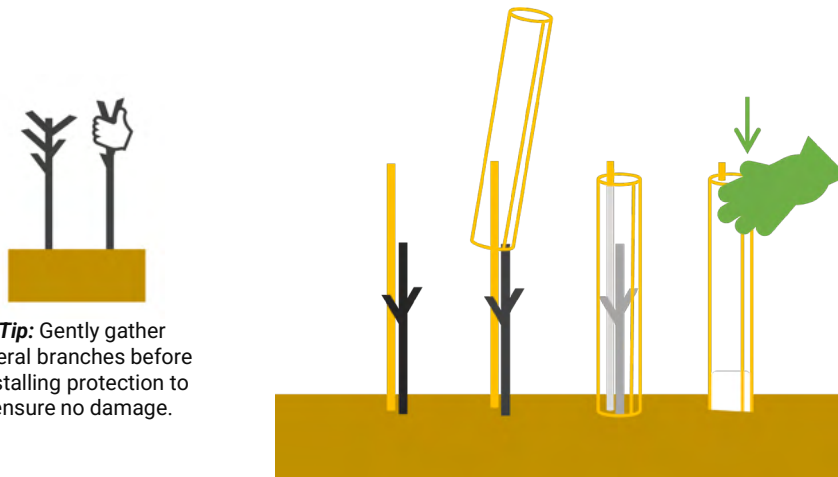
1. After planting, position the cane on the windward side between 2cm to 5cm from the base of the plant if there are strong prevailing winds. This means the cane will hold the Terra wraparound up rather than the plant (Fig B).
2. Push or hammer the cane into the ground with a stake driver or mallet (ideally knocking 1/3 of its height into the ground). Ensure it is vertical (particularly important on sloping ground).



## PROTECT

1. Position the Terra Wraparound over the tree and the cane (Fig C), making sure not to damage any lateral branches.
2. Push the Terra Wraparound into the ground 1cm to 2cm. This forms a safe herbicide barrier and deters vermin from burrowing under the shelter.
3. At the end of its useful life (typically 3+ years) either remove the Terra Wraparound for industrial composting, recycling or for energy from waste.

Fig C



**Tip:** Gently gather lateral branches before installing protection to ensure no damage.



### Leave in-situ to bio-degrade

Terra Wraparounds degrade into CO<sub>2</sub> and biomass that will not harm the soil, freshwater systems or marine life.