



Rainbow Bio II Wrap Guard

General Product Information

Tree guards are essential for protecting millions of newly planted saplings from browsing animals and exposure to herbicides. However, traditional plastic guards often remain in the environment, creating long-term ecological challenges.

At Rainbow Professional, we believe in sustainable solutions. Building on the success of our biodegradable tree spiral, we are proud to introduce the **Rainbow Bio II Wrap** - a fully biodegradable innovation that protects more than just trees. Featuring a vertical split that creates a natural overlap, our Rainbow Bio II Wrap will grow with the tree whilst also allowing easy installation and removal.

Animal	Length of Spiral
Vole	20cm
Rodent	45cm
Rabbit	60cm
Hare	75cm



Product Specification

- Name:** Rainbow Bio II Wrap Tree Guard
- Material:** Recycled Polyactic Acid with bio-UV stabilisation system
- Sizes:** Nominal diameters of 38mm (1 ½”), 50mm (2”) expandable to 50mm (2”) and 65mm (2 ½”)
- Colours Available:** Green Tint

First Aid

- Eye Contact:** Not applicable
- Skin Contact:** No harmful effects
- Inhalation:** No effect
- Ingestion:** No harmful effects

Protective Equipment

- Eye Protection:** Recommended during installation due to reduce risk of sharp tree top shoots
- Skin Protection:** Recommended during installation to reduce risks of cuts on fingers

Fire Protection

Ignition Temperature: 338°C

Recommendation: In the event of fire, use CO2 foam as the preferred material.

Important: When on fire, PLA will give off Carbon Monoxide Gas so avoid all fumes and use breathing apparatus.

Storage and Handling

Stability: Highly stable below 55°C

Packaging: Cartons not to be stacked more than 6 high

Physical Properties

Tensile Strength: 263 Mps

Glass Transition Temperature: 55-60°C

Specific Gravity: 1.36kgs/cm³

Resistance to Chemicals

Solubility:

Soluble in Chlorinated Solvents, Benzene and Dichloromethane. Insoluble largely stable to Acids, Oils, Greases, Petrol, Water and Alcohols.

Environmental Issues

The material has passed all required tests against EU guidelines at independent laboratories to be classed as 100% compostable.

Instructions For Installation

- 1 Plant your whip
- 2 Push cane into the ground next to the whip, and secure with a hammer or mallet
- 3 Remove singel Rainbow Bio II Wrap Guard from the nest
- 4 Slot the Rainbow Bio II Wrap Guard over both the plant and cane, ensuring it touches the ground

