

## Bio Spiral Tree Guards

### 'THEY COME FROM NATURE AND GO BACK TO NATURE'

Terrascape is proud to bring *Bio Spiral Tree Guards*, made by Rainbow Professional UK, to the NZ market.

These Bio Spiral Guards are made of 100% plant material and are fully commercially compostable\*, non-toxic and eco-friendly.

Biodegradable stabilizers are added to the material to stabilize the spiral sufficiently to withstand UV degradation for at least 3 years and up to 4-5 years in the place of use after which time the biopolymers start to break down.

"Given that PLA / Polylactic acid is made from plants (waste from beets and corn), we are now effectively putting plants around our trees instead of products made from oil, which pollute the environment when they break down."

Rainbow's spirals are 100% degradable. When inserted in an industrial composting unit, they will degrade within 6 months. When left in the environment, they will degrade over time, either through bacteria found in compost and soil or due to enzymatic reactions. As PLA is highly biocompatible and lactic acid can also be found in the human and animal stomach, the product can also be metabolized if ingested by stock and will in any case not be harmful. As the rate of natural degradation depends on the thickness of the remaining polymers and environmental conditions (heat, moisture, bacteria, temperature present), degradation can take a long time to take place.

*\*It should be noted that although composed of biodegradable polymers, these products cannot be termed 'biodegradable' in themselves as they do not break down within 6 months which would make them unfit for purpose.*

*With Rainbow Bio Spiral Guards, Terrascape Limited is encouraging tree planters to take a big leap forward, moving from oil-based plastics to eco-friendly plant-based plastics that degrade under the right circumstances.*



### What are the advantages?

- Low-cost tree protection through a simple and proven design.
- Supplied in a light green tint to blend in perfectly with surroundings.
- No maintenance required as the protector expands as the tree grows.
- Easy and quick to install as no ties or fixing required.
- Ventilation holes allow air circulation which reduces the effects of mildew and leaf burn, both of which stunt young tree growth.
- Hole-free option available if required to prevent damage from spray drift.
- Available in different heights to protect young trees from rabbits (60cm) or hares (75cm).

