



## HORTFIBRE STRING

### Cellulose Orchard String

Cellulose is the most abundant material in the world and is highly renewable. Hortifibre string is made from sustainably sourced beech forest wood in Europe where it is converted into fibres that are used to create durable compostable cellulose orchard string. This makes it an excellent alternative to over-relied upon fossil plastic materials.

### Fully Compostable

- The cord made from natural cellulose has the advantage of being fully compostable
- The string does not have to be laboriously separated from the plants during removal

### No Microplastics

- Compared to conventional PP cords, no microplastics are created when disposing the climbing aids.

### Completely biodegradable

- The completely biodegradable material gives the plant stability. Non-toxic to earthworms.

### Certified compostable

- Certified home & industrial compostable to European standards DIN EN 13432 & NF T51-800.



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# PUNCHBOWL

## Packaging



### Views and Dimensions

Strength	Formulation	Metres per Bobbins
Weakest strength	Hortfibre cellulose orchard twine Nm 0,85 – 400 N	3,400
Medium strength	Hortfibre cellulose orchard twine Nm 0,45 – 700 N	1,800
Strongest strength	Hortfibre cellulose orchard twine Nm 0,45 – 700 N (Taut/stabalized)	1,800



Costs and trial rolls available on request

### FAQ'S

#### How has the string been tested?

The Cellulose string formulation has undergone environmental testing for over 12 months on Punchbowl's own orchard monitored on a monthly basis. This was only a small scale trial, the strongest formulation string is still up to this day being monitored to see how far it gets and several other trials have begun.

We recommend doing your own testing, trials and general validation prior to large scale transitions.

#### Why use Cellulose String?

Plastic string is a serious issue. It sheds microplastics on orchards that will stick around for future generations and is used once only to go to landfill. Cellulose is the most abundant material in the world. It's highly renewable and biodegradable, this particular version is sustainability sourced from beech wood in Europe.

#### How do you know it will compost?

This biodegradable string is home and industrial compostable certified. For example DIN EN 13432 requires it to disintegrate after 12 weeks and completely biodegrade after 6 months in industrial compost

#### Why not use PLA?

Unlike PLA, the cellulose yarn is not a bio-plastic. Therefore PLA being used on orchards still bears the risk of shedding microplastics. The cellulose string is also home compostable certified giving it a better chance to break down at end of life. PLA can also come from many different sources that aren't all sustainable such as mono crop.

#### Are there any other considerations for using Cellulose Orchard string?

The primary recommendation is to avoid direct contact with surfaces rich with micro-organisms such as soil, during its period of use. Like a compost filled with these they will accelerate the biodegradation process of the string.

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