



**BIOCOR**®  
HORTI TWINE

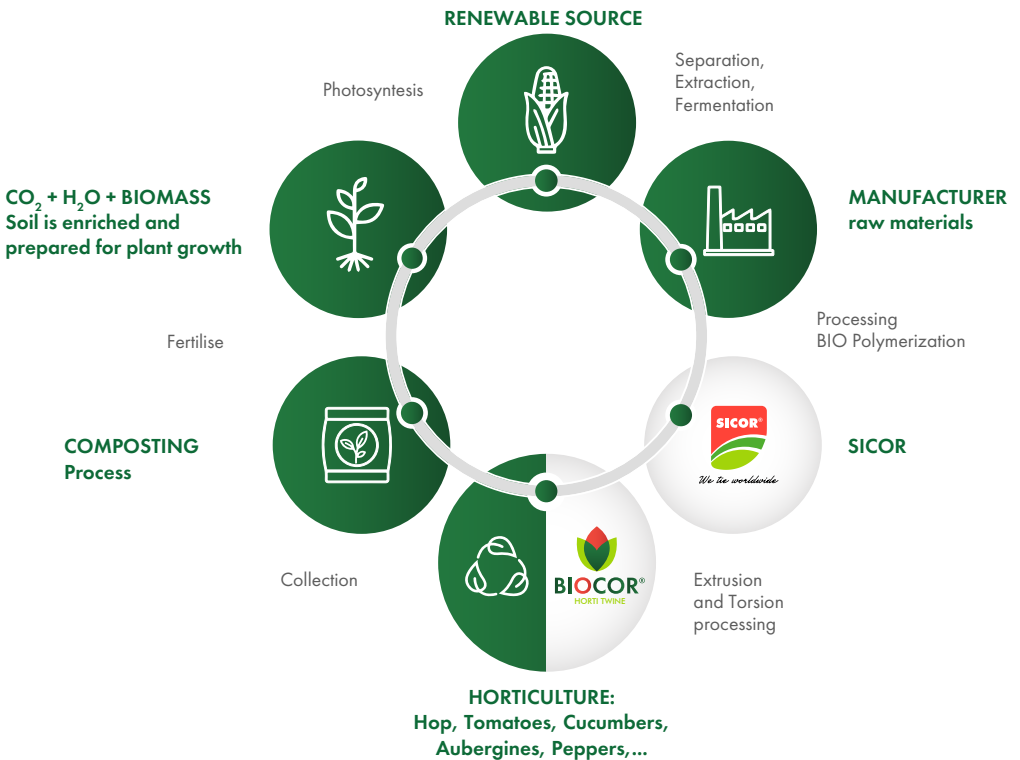
## COMPOSTABLE TWINES BY SICOR

Throughout the last few years, SICOR has taken important steps in the development of its products, mainly in regards to the agriculture sector.

Thus, **BIOCOR**® is created, an internationalized trademark which represents the **Bio Base twines** developed by SICOR. These products are 100% compostable and produced from PLA – a biopolymer obtained from renewable sources.

# BIOCOR®

**BIOCOR® Horti Twine** is a twine specifically developed for the horticulture industry. It is smooth, flexible, easy to manipulate and contains high rupture resistance levels. Given its elevated UV radiation resistance, this twine is able to maintain all of its properties during use.



# HORTI TWINE



## Benefits:

- » Bio Base and 100% compostable
- » Produced from high quality PLA
- » Extreme resistance to UV rays
- » No degradation during use
- » High rupture resistance levels
- » Smooth, flexible and easy to manipulate
- » Financial gains

## Technical Specifications:

Reference	Real Runnage (m/kg)	Breaking Strength (Kgf)	Recommend Crops
400	380-420	44	Heavy truss and beef tomatoes varieties Hop
600	570-630	30	Tomatoes Cucumbers Aubergines
800	760-840	23	Peppers Cherry Tomatoes Beans

## What is composting?

## What is PLA? How does it decompose?

Composting is a residue elimination method which allows for organic materials to be utilized as ground nutrients after they decompose. As such, we can consider **composting** to be the **biological process of organic matter appreciation**.

PLA is a biopolymer, constituted mainly by lactic acid (organic matter), allowing **BIOCOR®** to undertake a biological degradation process – **composting** – which is itself divided into two phases:

Initially, heat and humidity attack the PLA polymeric chain, separating it, creating miniscule polymer fragments and, consequently, lactic acid.

In a second stage, those small fragments are metabolized by organisms such as fungi and bacteria. Seeing as lactic acid is abundant in nature, a great number of organisms is able to metabolize it. Carbon dioxide, water and humus all result from this metabolizing process, meaning that the entirety of what is left after composting is pure compound, wholly functioning as valuable nutrition for the soil.



*We tie worldwide*

Rua 13 de Maio, 1533 · Apartado 10  
3889-852 Cortegaça OVR · Portugal  
T: +351 256 759 200 · F: +351 256 759 299  
comercial@sicor.pt

[www.sicor.pt](http://www.sicor.pt)