



**SIBELCO**



# THE NATURAL SOLUTION FOR HEALTHIER FORESTS

*Sibelco's material solution helps to naturally restore forest soils to full health, playing a key role in protecting the biodiversity of one of the world's most precious habitats.*

**Soilfeed Silva**  
Natural soil conditioner

# HELPING THE FOREST TO THRIVE

*Soil is a vital element of the forest ecosystem, helping to regulate important processes such as nutrient uptake, decomposition and water availability, as well as providing anchorage for trees.*

## The Acid Challenge

Most forests grow on mineral poor sandy soils. Due to their poor mineralogy, these soils have a low neutralizing capacity and have been and still are severely leached by acid rain and current nitrogen deposition. This has led to nutrient deficiencies, increased phytotoxicity and disturbed soil microbiological processes, leaving trees and plants less healthy and more vulnerable to disease.

THE SOLUTION	100% NATURAL
<p>Sibelco's new Soilfeed Silva soil conditioner helps to naturally restore damaged soils, steadily increasing pH levels to reduce acidity whilst slowly releasing new nutrients including potassium, calcium, magnesium, several micronutrients and plant available silica.</p> <p>Its slow-release properties and long-lasting effects guarantee long term and sustainable restoration of soil mineral and nutrient levels, increase tree survival, boost plant growth and bring along several environmental benefits.</p> <p>The results of Soilfeed Silva have been independently verified by laboratory experiments conducted by the Centre for Environmental Sciences at Hasselt University in Belgium and through field tests carried out by Bosgroepen Zuid Nederland.</p>	<p>Soilfeed Silva is made from processed volcanic rock, formed through the cooling and solidification of magma. Scientific studies show that volcanic ash has created the world's most fertile soils.</p> <p>Generated during the mining of nepheline syenite rock at our operations in Norway, Soilfeed Silva is 100% natural with no chemical additives – it is created by nature and returned to nature in a 'cradle to cradle' cycle.</p> <p>Soilfeed Silva is a natural occurring mineral with low carbon footprint. Its slow-release properties and long-lasting effects mean that less material is required, creating cost savings and environmental benefits.</p>



# FEEDING EUROPE'S FUTURE

*Soilfeed Silva is a slow-release soil conditioner, providing a range of long-lasting benefits with just one application:*

- Increased pH and nutrients on the long term
- Increased photosynthetic activity
- Enhanced root rhizobium nodule formation
- Increased root and shoot biomass
- Increased bacterial activity

## **Soilfeed Silva Mineralogy**

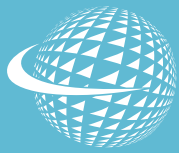
K-feldspar
Plagioclase
Nepheline
Amphibole
Pyroxene
Biotite
Calcite
Titanite



***By returning soil to full health naturally, Soilfeed Silva helps to protect both flora and fauna and support the biodiversity of our planet's precious forests***

**Huig Bergsma**

Geochemist and Mineralogist at BodemBergsma



# SIBELCO

## ABOUT SIBELCO

***Sibelco is a leading provider of advanced industrial minerals and other material solutions with over 190 production sites across 34 countries and a global distribution network.***

### ***Consistent Quality***

All of our sites employ rigorous quality control procedures to ensure that our products consistently meet customer specifications and deliver maximum performance.

### ***Optimal services***

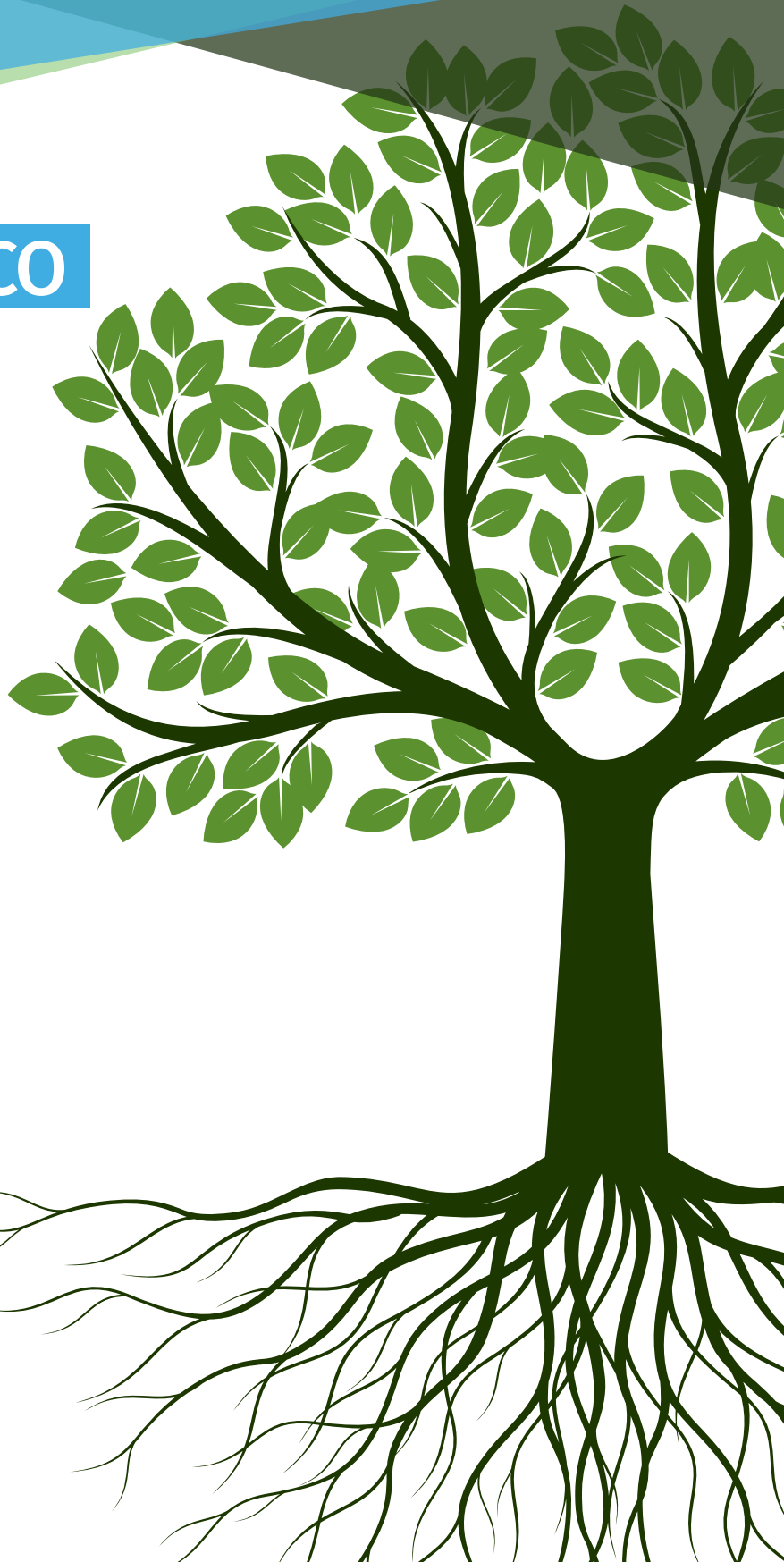
With Sibelco, you can depend on a sustainable supply of high-quality materials in large volumes, regardless of location. Our customer service and logistics team coordinate on-time deliveries from our operation in Norway to the project's sites of our customers via a local warehouse in Terneuzen, Netherlands.

### ***Packaging & application***

Soilfeed Silva is applied by using traditional spraying methods and is available in bulk or in big bags.

### ***Sustainable Solutions***

Founded back in 1872 and still privately-owned, we always take a long-term perspective. We invest for the future to secure a long-term supply of high-quality materials, at the same time ensuring economic growth is always balanced with environmental stewardship and social responsibility.



*For more information please get in touch on*

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**Material solutions** *advancing life*