

The world population is expected to rise to 9,7 billion by 2050. The agriculture sector faces many challenges in providing sufficient high-quality food while also respecting the delicate balance with the natural environment.

Sustainable crop cultivation

The global population is rising and we need more durable and sustainable ways to cultivate food while respecting our natural resources.



Watch video





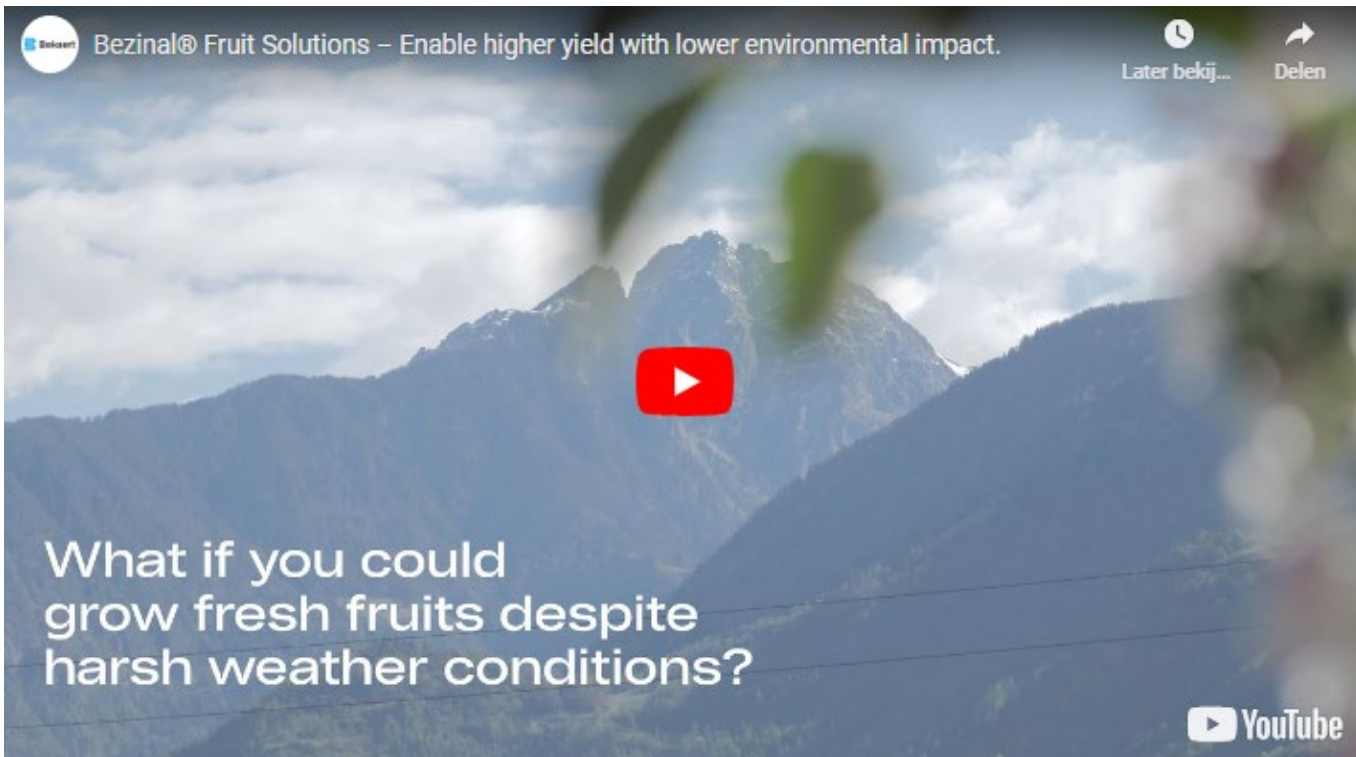
Key trends within the crop cultivation

- World population is expected to rise to 9.7 billion people in 2050
- Harsh extreme weather conditions
- New regulations pushes to **reduce the agriculture sector's CO₂ footprint**, such as the Farm-to-Fork principle and CAP. Emissions from the agriculture sector account for 30% of the world's GHG emissions.
- Lower margins of retailers make it harder for farmers to be profitable

Bezinal® Fruit support and protection



Watch video



Bezinal®

Fruit support and protection



- Trellising wire solution
- Anti-hail system also offers protection against harsh sun, heavy rain and strong wind
- Frost protection system



– Key benefits:



Easy installation, low maintenance

We understand that time is valuable, especially when it comes to managing an orchard. Our wire solution is incredibly easy to install, cutting down the time and effort required. Due to its low elongation, less maintenance is needed while still providing strong support. This system requires little maintenance, allowing you to focus on producing top-quality fruit.



Unmatched lifetime protection

Any crop protection system should provide reliable protection throughout the orchard's lifetime and beyond. Regardless of the weather conditions – heavy rain, strong winds, hail, or harsh sun rays – you want the best protection for your investment. Our wire is built to last, ensuring the longevity and stability of your orchard trellising and protection systems no matter how hot, cold or windy it gets.



Robust, flexible, and lowest cost per hectare

With Bezinal® Fruit Solutions, you can trust that your orchard trellising and protection systems will stand the test of time. Our solution is engineered to provide maximum strength & corrosion protection, without compromising on flexibility. This means that you can install, bend, and maintain your orchard with ease, all while enjoying the assurance that it will not sag or become brittle over time.

Even with a smaller diameter, our Bezinal® wire solutions offer the same breaking load as larger-diameter solutions. As a result, your trellis can be light and yet very strong. It's also ideal for attaching add-ons to maintain your orchard, such as a water drip irrigation system. So you can focus on what matters most – growing healthy and fruitful trees.



Environmentally friendly

Up to 50% better corrosion protection than Heavy Galvanized wire. Thanks to its innovative coating solution you benefit from superb corrosion protection while the system is harmless for your soil and plants.



Bezinal® fruit support and protection

Superior Corrosion Resistance

Active coating

counteracts corrosive attacks,
resulting in **longer lifetime**
without harm to your fruit

Easy for bending, smooth and damage-free

Optimal wrapping

Via a wrapping test of Bezinal® wires
at our technology center, we notice
significantly lower embrittlement vs.
other market equivalents

High tensile strength performance

Lower elongation and more length per meter

Superior wire properties with
increased elongation and length
benefits.

Want proven solutions? Let's put it to the test

- **Wrapping test** at our technology center in Deerlijk, Belgium
- **Soil corrosion test** conducted at OCAS NV for a period of 5 years in different types of soil:
 - Sand
 - Loam
 - Acid loam



Easy for bending, smooth and damage-free

When asking customers, a crucial aspect is to effortlessly bend or twist by hand without any cracks or damage. To make sure your trellis won't harm your apples or pears, we have put this to the test at our technology center in Deerlijk.

Our Bezinal® tensioning wires were twisted around their axes at a speed of 1 round per second. When reviewing the result under a microscope with a magnifying rate of 50x, the photo of our Bezinal® wires show a smooth surface without cracks.



Bezinal® wires
50x magnifying ratio



Less risk for soil contamination due to corrosion

Maintaining soil health is crucial for healthy fruit growth. Choose a corrosion-resistant trellising system to prevent harmful substances from entering the soil. Prioritizing soil health is essential for optimal fruit yield.

When putting it to the test, our Bezinal® coated wires performed well at salt spray tests in our Bekaert Technology Center and in a 5-year soil corrosion test conducted at an outdoor test site at OCAS NV. We observed superior performance from the Bezinal® wires compared to ordinary galvanized wires.

