

## Company Overview - Syocin Bio

Syocin has a **platform** specialized in the **fast development of high-performance proteins to eliminate bacteria affecting crops**. Let us know your target bacteria, and we develop the proteins to eliminate them.

For the fast development of the bactericidal solutions, Syocin platform based on synthetic biology and AI technology works as a **Bactericide-Protein Factory**, capable of designing and building each new solution in just a few months, **accelerating in 10X the time that takes this process compared to any competitor**.

In more than #50 greenhouse trials Syocin proteins have decreased bacterial spot from tomato crops with an **efficacy greater than 60%** with just 3 spray applications, demonstrating platform capability to develop high-performance proteins from scratch in **just 15 months**.

## Problem - Bacteria affecting crops

Plant bacterial diseases losses

In fruit and vegetable crops →

**36B**  
USD/year

World threatening bacterial phytopathogens: *Xanthomonas*, *Pseudomonas*, *Xylella fastidiosa*, *Candidatus Liberibacter* (causal agent of HLB), *Erwinia amylovora*, *Pectobacterium carotovorum*, and so on.

Current products (copper and antibiotics) to treat bacteria on crops are not efficient.

- ✓ Generate **losses of 30%** in average.
- ✓ Generated bacterial resistance.
- ✓ Harmful for the environment and phytotoxic for the plants.
- ✓ Usage is being restricted internationally.
- ✓ Affecting soil microbiomes, hence soil health.

The development of new alternative solutions by competitors is taking more than

→ **10**  
years

## Solution - High-performance Biologicals to eliminate bacteria from crops, developed in months

Syocin Proteins

- ✓ High-performance proteins, with efficacies to decrease disease greater than **60%**
- ✓ Micro-target only the bacteria of interest.
- ✓ Do not generate bacterial resistance.
- ✓ Biodegradable and Non-toxic.
- ✓ Preserve soil health.

**Regulations for product registration:** registration time is lower than other biologicals since our solutions do not contain microorganisms, nor DNA, neither GMOs.

Syocin Platform  
for bactericide proteins fast development

We are **accelerating 10x**

the process of developing of a new solution, making this possible in just months. We design and build a customized solution for each bacteria according to clients' requirements.

## Company Business - Licensing partnership with Crop Protection Companies (CPCs) - B2B

Business model

Our target clients are **Crop Protection Companies** that produce and commercialize agrichemical products, which are currently transitioning to biologicals. Syocin seeks to sign **development partnership agreements** to develop customized solutions that CPC's demand according to market needs and business opportunities. Then we license them so that companies can produce and commercialize the protein based products on a large scale, being Syocin a strategic partner for CPC's.

Why Syocin is a great opportunity for a Crop Protection Company?

The performance of current solutions to control bacteria is very low, 30% of production is lost in average. Restrictions to copper-based chemicals are increasing. Biobactericide Market is just starting, and we are offering an **accelerated product development to be on market time**. CPCs can add a bactericidal solution to their biological portfolio, compatible with other CPC biological products.

## Traction - Bactericide Proteins developed in just 15 months, have an efficacy to eliminate bacterial disease greater than 60%

Products Pipeline

- Development of #1 generation of biobactericide proteins for **tomatoes** with an **efficacy greater than 60%** in just **15 MONTHS**.
- Development of #2 generation of biobactericide proteins for **citrus** in just **10 MONTHS**, taking 32% less time and 18% less money.
- More than **#50 Trials of validation**.

Syocin Platform

- **Syocin Bactericide-Protein Factory 2.0** with +100 bio-components & bio-factories.
- Robust scale-up protocol: fine-tuned production and purification process ready to be scaled up at large scale.

Untreated

Treated with Syocin Proteins



↑ **60%**  
EFFICACY

GROWER'S ROI CAN INCREASE 19,53%/Ha, adding 12k USD per Ha.

## Team



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