



Building the Future of Biological Crop Protection



THE USE OF SYNTHETIC CHEMICALS IN AGRICULTURE CAUSES SEVERE ENVIRONMENTAL AND HEALTH DAMAGE

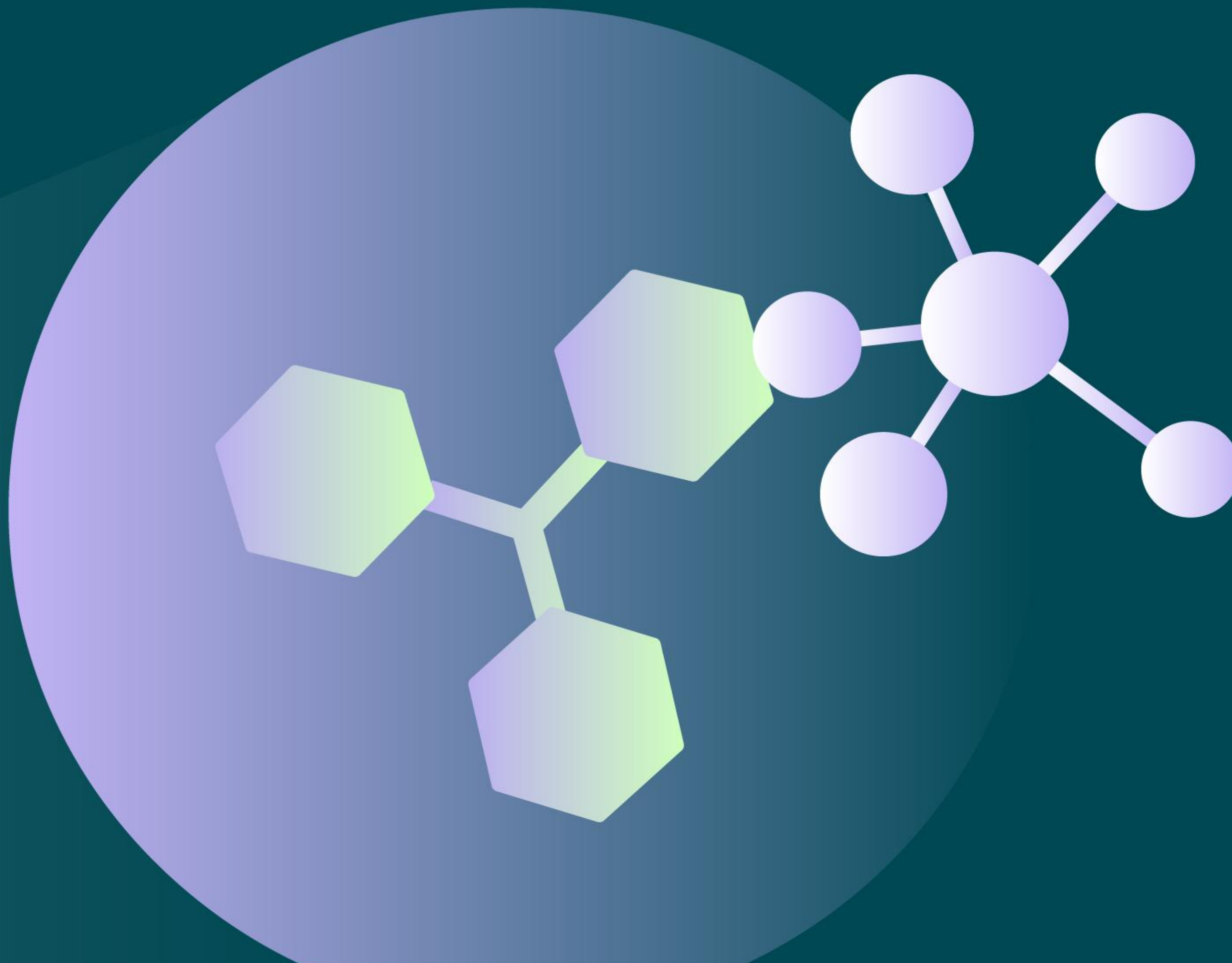
The global cost of
pesticide-related health
and environmental damage
exceeds \$15 billion
annually due to
pollution, biodiversity loss,
and human health risks.

Source: UNEP, WHO * <https://www.unep.org/resources/report/environmental-and-health-impacts-pesticides-and-fertilizers-and-ways-minimizing>





**REVOLUTIONIZING
CROP PROTECTION
WITH RNAi-BASED
BIOLOGICAL
SOLUTIONS**



WHAT IS RNAi TECHNOLOGY ?

A breakthrough in targeted crop protection for sustainable agriculture

✓ **Precision:** Selectively targets pests and weeds without harming organisms.

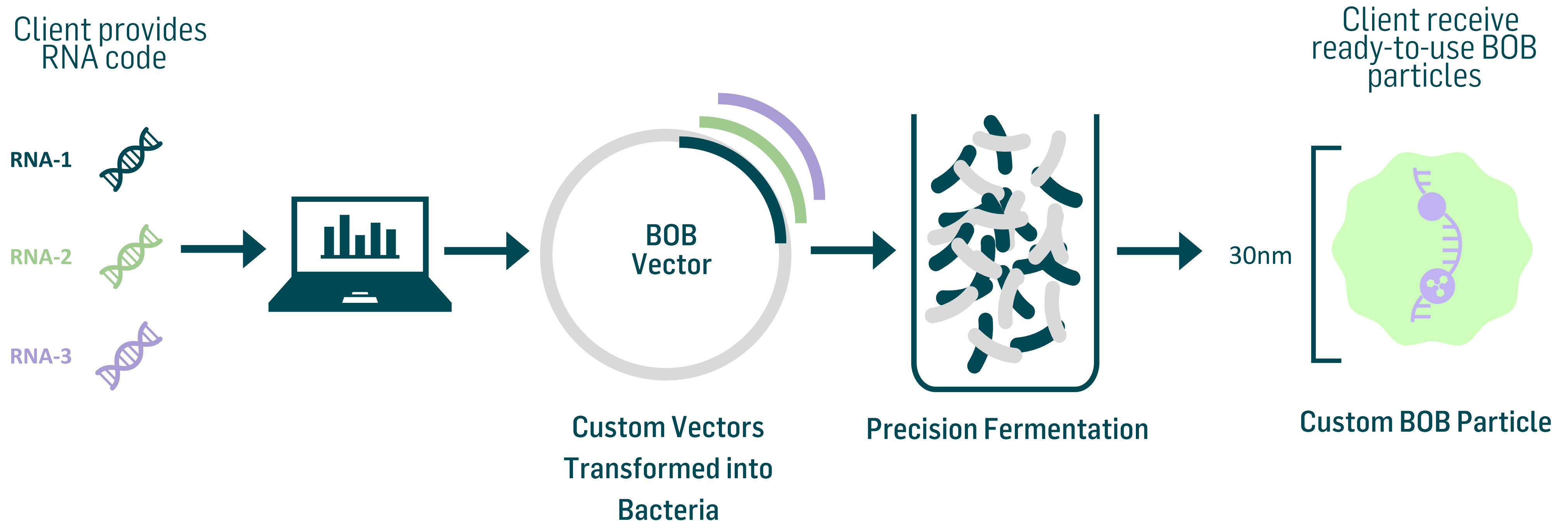
✓ **Safety:** Reduces chemical residues in food, water, and soil.

✓ **Sustainability:** Lowers synthetic pesticides and herbicides usage, promoting healthier crops.



HOW WE DO IT ?

BOB enables RNA production & encapsulation in a single step - solving stability, delivery, and production at scale



**RNA IS THE
FUTURE**

**BUT IT NEEDS
THE RIGHT
PLATFORM**

MAJOR PLAYERS ARE INVESTING MILLIONS

But core technological barriers remain:

- **STABILITY:** RNA degrades within minutes- must be protected.
- **DELIVERY:** Efficient uptake is a must spraying alone won't cut it.
- **COST:** Large-scale production is still too expensive.

 **BASF**



The Syngenta logo, with the word "syngenta" in blue lowercase letters and a green leaf icon above the "y".

 **CORTEVA**TM
agriscience

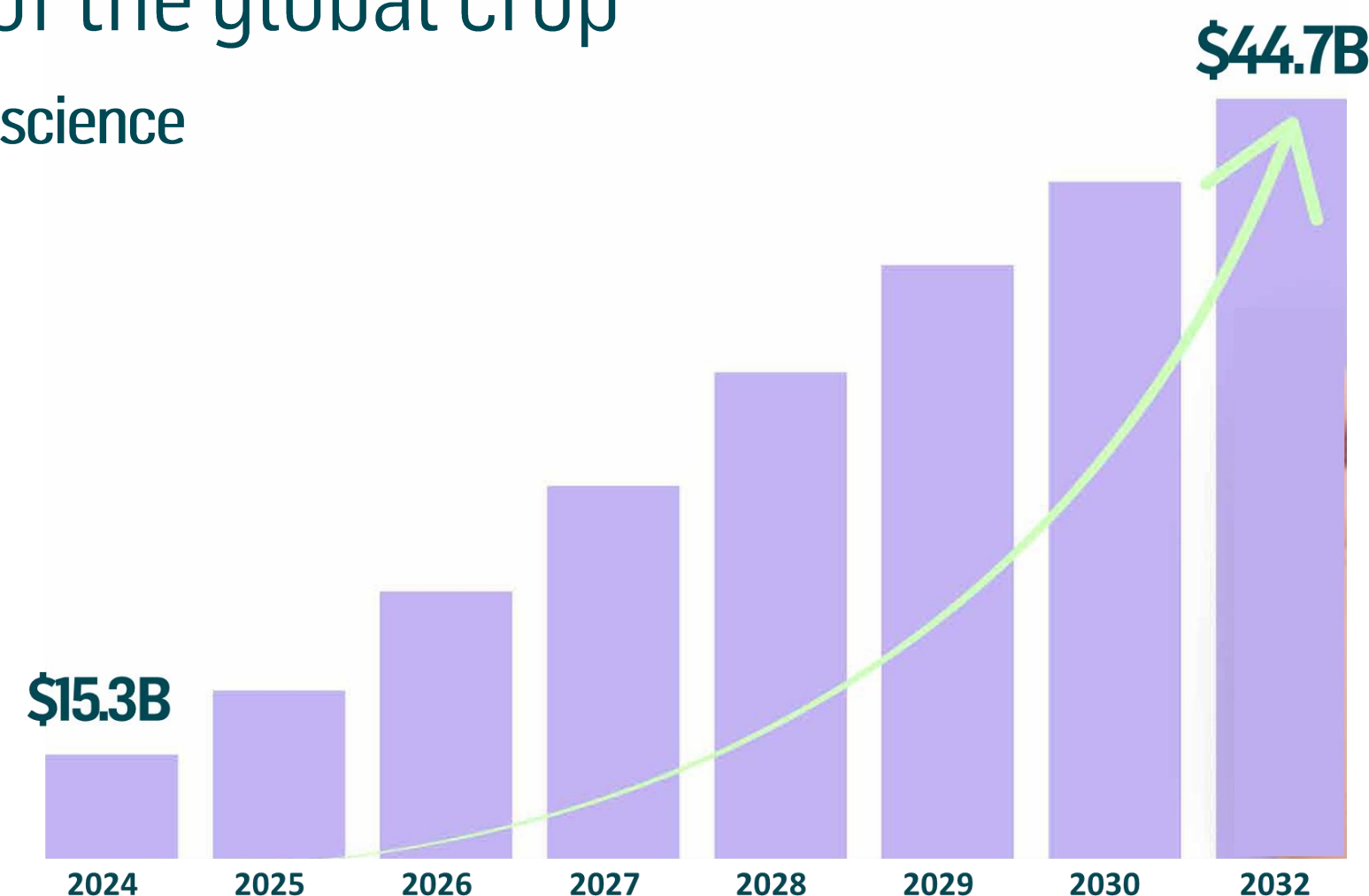
 **GreenLight**
BIOSCIENCESTM

A \$44B MARKET IS SHIFTING RAPIDLY AWAY FROM CHEMICALS

RNA-biologicals are the future. BOB's patented platform enables scalable, high-margin solutions with global demand.

“By 2035, biologicals will account for 25% of the global crop protection market” Chuck Magro, CEO of Corteva Agriscience

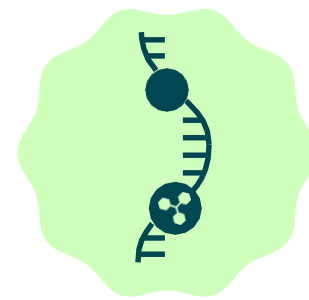
RNAi –A cutting-edge, eco-friendly solution for Precision Bio-Control
Selectively silences pest/plants genes without harming beneficial organisms.



* <https://www.fortunebusinessinsights.com/industry-reports/agricultural-biologicals-market-100411> The global agricultural biologicals market, encompassing biopesticides, biostimulants, and biofertilizers, is experiencing significant growth. As of 2024, the market size was valued at approximately \$15.29 billion and is projected to reach \$44.70 billion by 2032, reflecting a compound annual growth rate (CAGR) of 14.41% during this period.

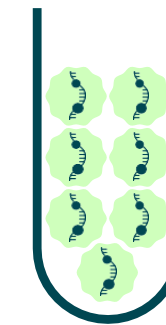
SCALABLE REVENUE MODEL

With High Market Potential



LICENSING FEE

An annual fee for deploying the BOB Particle, customized for a specific target.
Positioned to scale across hundreds of applications



PRODUCT SALES

BOB manufactures encapsulated RNAi through CMO fermentation partners and supplies it to agrochemical and biological product distributors, who integrate it into their commercial agricultural solutions..

A scalable supply model enabling broad market adoption through established industry players.

TECHNOLOGY VALIDATION & FIRST PILOTS

✓ Q1/24
Patent application filed + Scaling beyond lab

✓ Q1 2024:
First successful RNA encapsulation in BOB particles.

✓ Q2 2024:
Demonstrated RNA activity + established scalable fermentation.

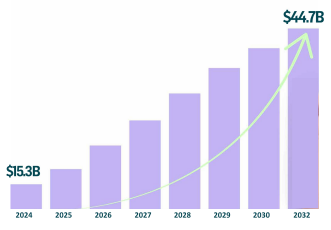
✓ Q3 2024:
Custom BOB particles designed – successful encapsulation of 6 functional RNA molecules.

✓ Q4 2024:
Launched pilot trials with GEA Group.



✓ Q1 2025:
Encapsulation of RNAi targeting Coleoptera

A SCALABLE RNA PLATFORM WITH A CLEAR GTM PATH



\$44B Market Undergoing Rapid Transformation:

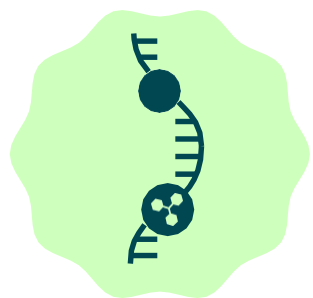
The ag-biologicals market is projected to triple by 2032 - BOB's technology is ready today, with 6 validated RNAi molecules.



Stepwise GTM Approach:

Phase 1 - Strategic collaborations with agrochemical players (bioinsecticides & biofungicides = \$10B*).

Phase 2 - In-house development of high-potential RNAi sequences.



Designed for Broad Market Adoption:

One platform. Many applications: pest control, weed management, antiviral sprays, biostimulants, and beyond.

OUR TEAM



TAL MALCA SALHUV
CEO & Co founder

Seasoned executive with 20 years of experience in the food and food tech industry. Marketing & Biz Dev expert.



**Food
Tech**



PROFESSOR EHUD GAZIT
CSO & Co founder

Professor at the Faculties of Life Sciences and Engineering. Worldwide expert. 30 years of experience. 5 companies.



52

**GRANTED
PATENTS**



DR. DOR ZAGURI
CTO

Ph.D. Highly skilled in planning and developing advanced technological solutions.



**DR. SHAI
ZILBERZWIGE - TAL**
Advisory board

MIT postdoc, co-inventor, expert in molecular and synthetic biology.



DR. ANDY RENZ
Advisory board

Global Agri-Food expert
25+ years global experience



**GHENT
UNIVERSITY**



FA-Bio



DR. DORIT ROZNER
Advisory board

Food industry leader 20+ years
global R&D management.



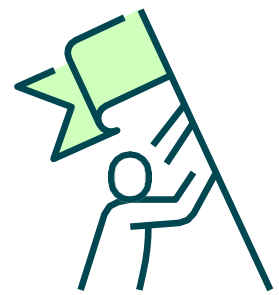
**WEIZMANN
INSTITUTE
OF SCIENCE**



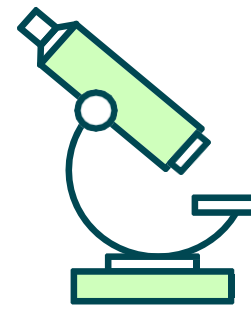
Lycored

The Kitchen
FoodTech Hub

BOB - TURNING RNA PROMISE INTO REALITY WITH PATENTED TECH AND STRONG PARTNERS



Pioneering
Early-Stage Deep
Tech in The Kitchen
Hub portfolio



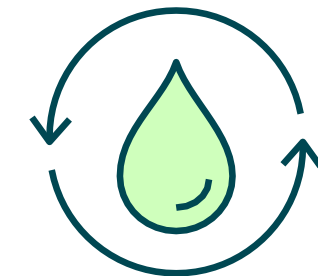
Profound Research
from Prof. Gazit's
lab at Tel Aviv
University



Unlocking a huge
market through
collaborations with
market leaders



Global Patent
Protection in the US,
Europe, Singapore,
Australia, and Israel



Leading biotech
innovators and top
scientific minds

OUR PARTNERS



THANK YOU



Building the Future of Biological Crop Protection

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