



LiveGrow Bio

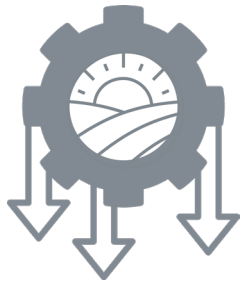
Microbial products are the future of sustainable farming
With us, this future is now & profitable

CHEMICAL CHALLENGE



LiveGrow Bio

Farmers can't rely on chemicals anymore



OVER 600

**SPECIES DEVELOPED
RESISTANCE**



HISTORIC HIGH

**COST OF SYNTHETIC
FERTILIZERS**



TOXIC

**FOR ENVIRONMENT
& HEALTH**

BIOLOGICAL CHALLENGE



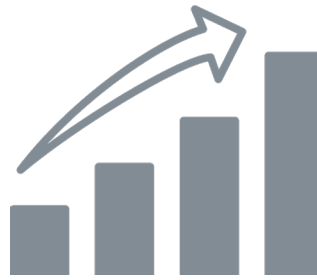
LiveGrow Bio

Microbial products are effective but limited by



HIGH

COGS



DIFFICULT

SCALE-UP



POOR

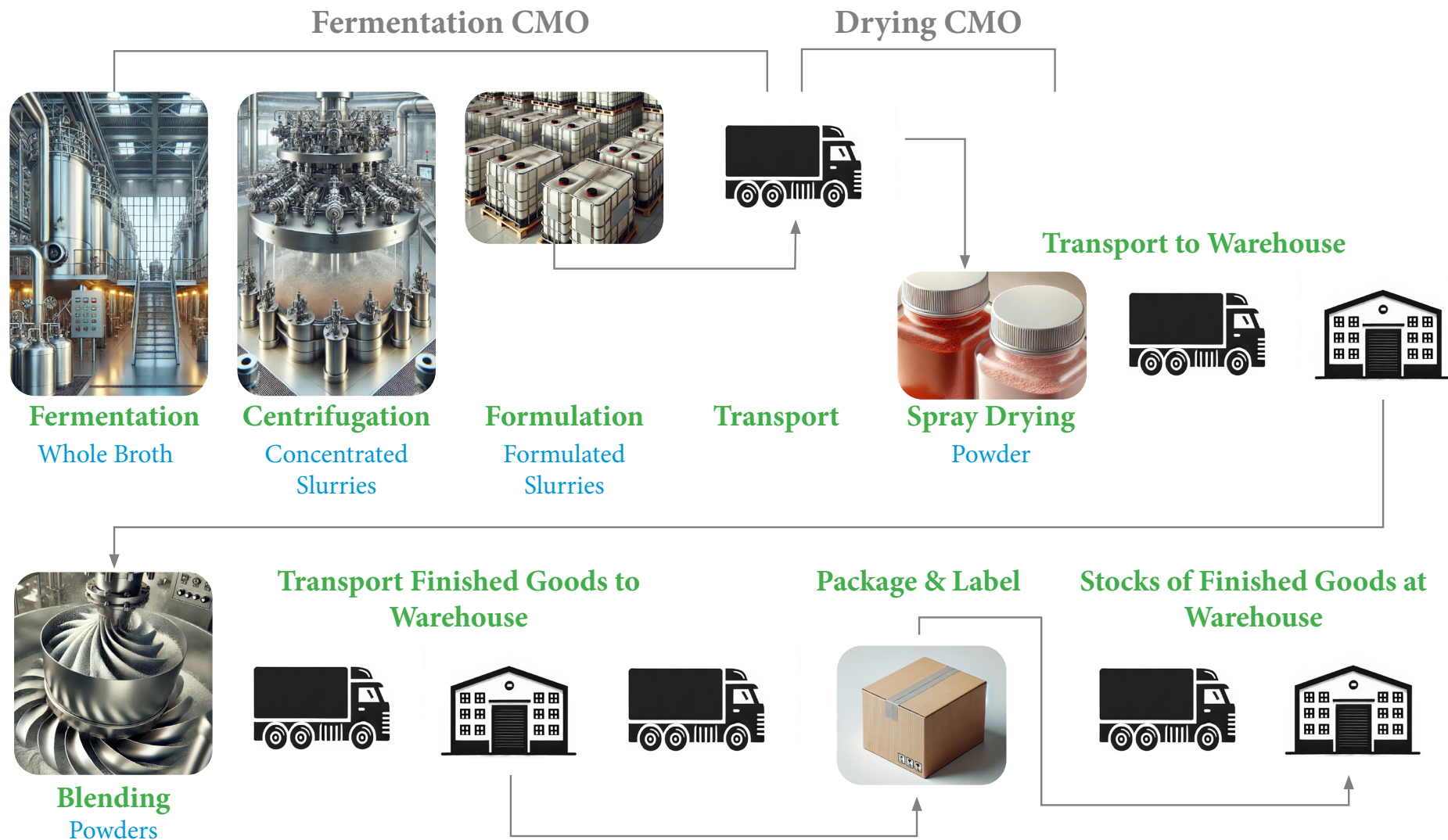
SHELF LIFE

WHY THIS CHALLENGE?



LiveGrow Bio

Companies use expensive & complex manufacturing models



OUR BIOLOGICAL SOLUTION



LiveGrow Bio

LiveGrow™ Technology



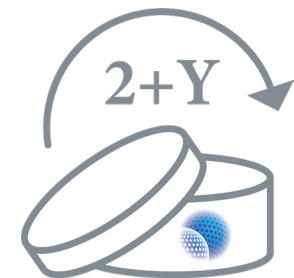
UP TO 95%

**LOWER
COGS**



NO FERMENTERS

**MODULAR
SCALE UP**

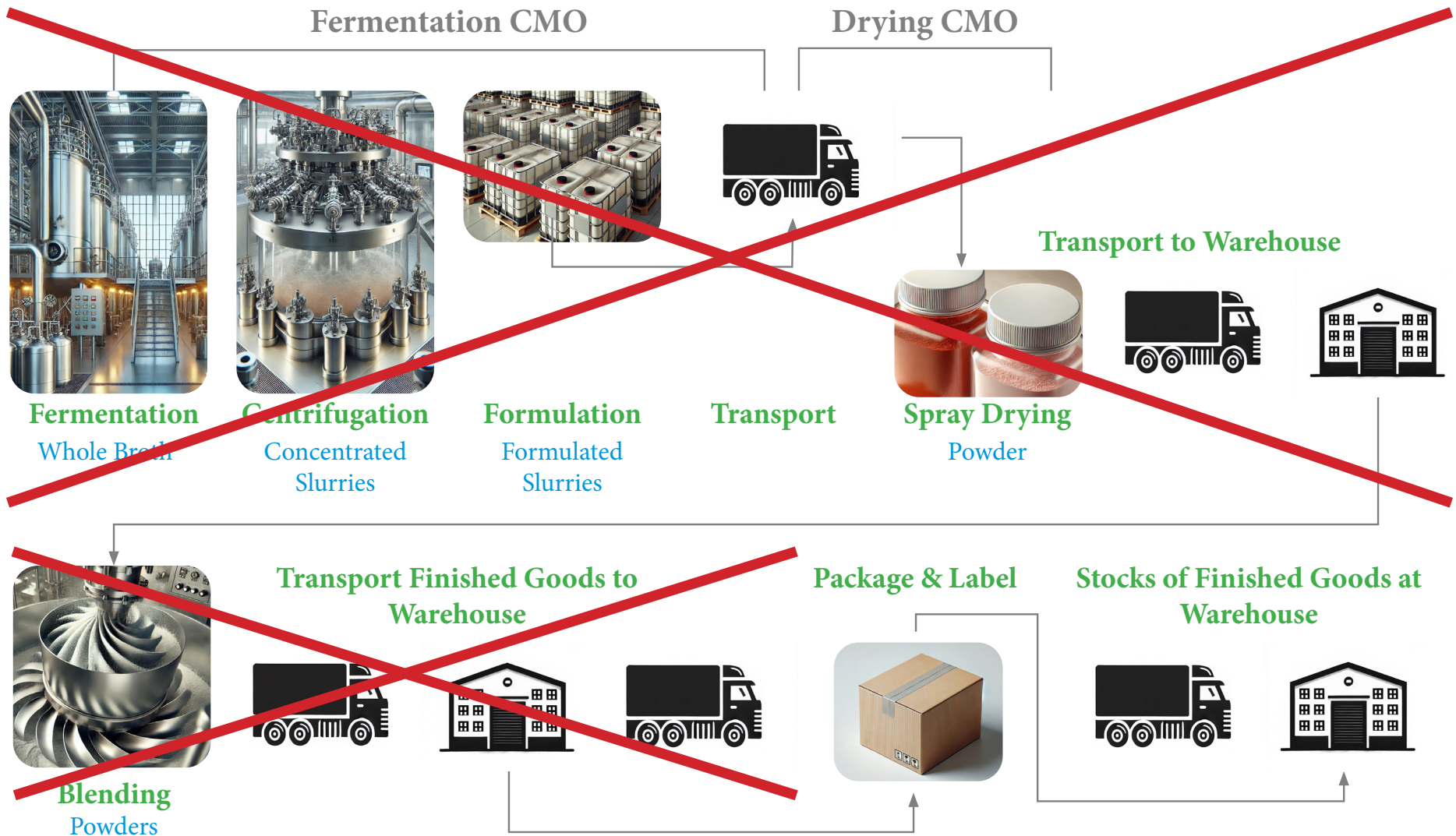


2+ YEARS

**ROOM TEMP
SHELF LIFE**

OUR BIOLOGICAL SOLUTION

We eliminate most of the complexity from the model



HOW DOES IT WORK?



LiveGrow Bio

Microbes are grown and stabilized in retail packaging



**NO EXPENSIVE
FERMENTERS**
FILL BAGS



**NO ADDITIONAL
FORMULATION**
PACKAGE BAGS



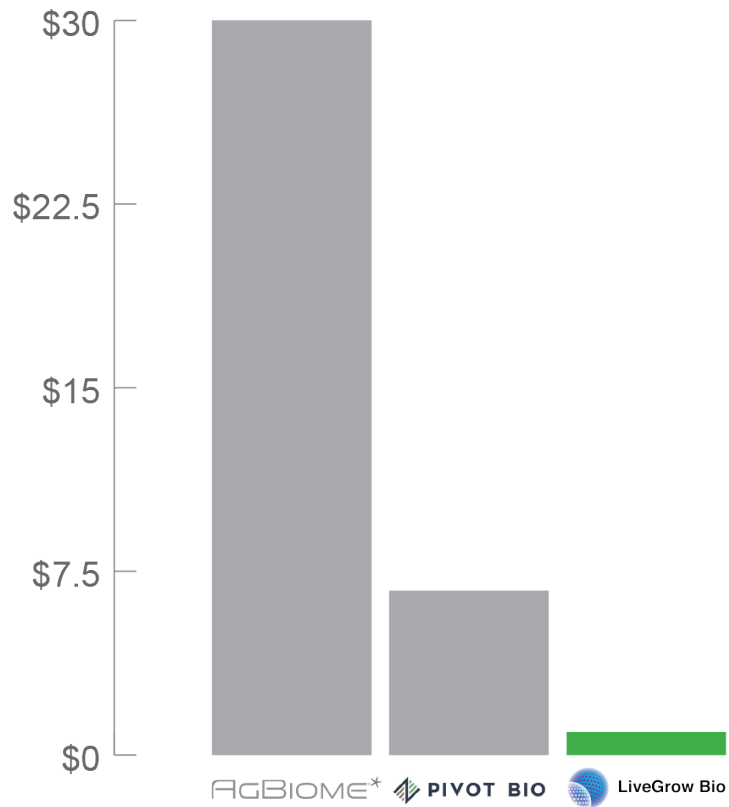
**HIGH QUALITY
CONTROL**
STORE & SHIP

COMPETITION

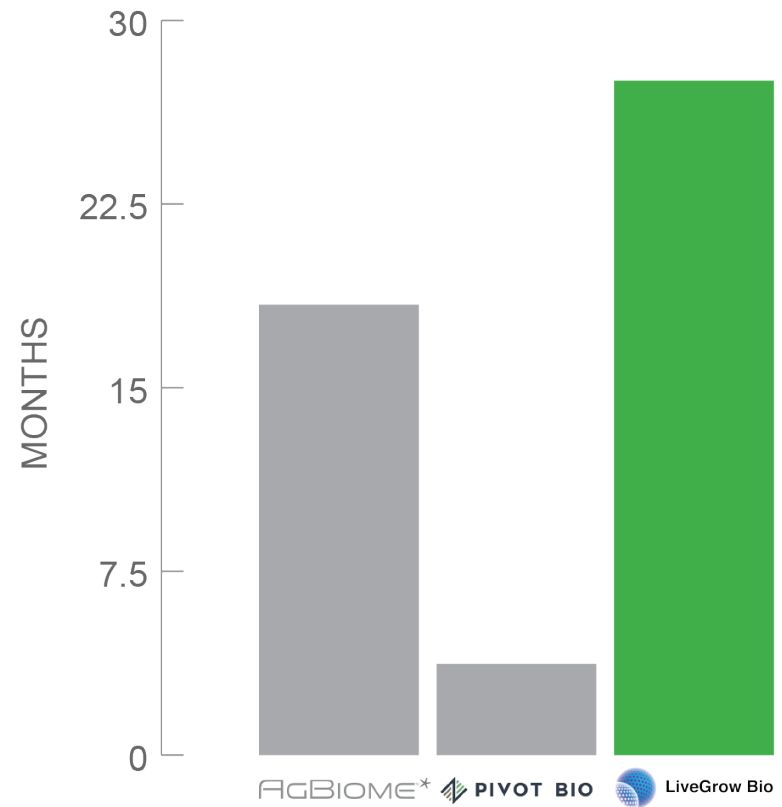


LiveGrow Bio

LiveGrow™ has a significant advantage



COGS PER ACRE



SHELF LIFE

* AgBiome's flagship biopesticide product was sold to Certis in 2024.

IP PROTECTION



LiveGrow Bio

Covered in North America



ISSUED



PENDING



ADDITIONAL PACKAGING AND MANUFACTURING PATENTS
WILL BE FILED IN 2025 TO GAIN COMPLETE GLOBAL COVERAGE

BUSINESS MODEL



LiveGrow Bio

Help companies commercialize microbial products profitably



**SAVE YEARS &
MILLIONS**

**ACCELERATED PRODUCT
DEVELOPMENT**

**95% IN CAPEX & COGS
SAVINGS**

**MODULAR LOW-COST
SCALE-UP**

**75% +
MARGINS**

**HIGH MARGIN
COMMERCIALIZATION**



PROJECTED REVENUE

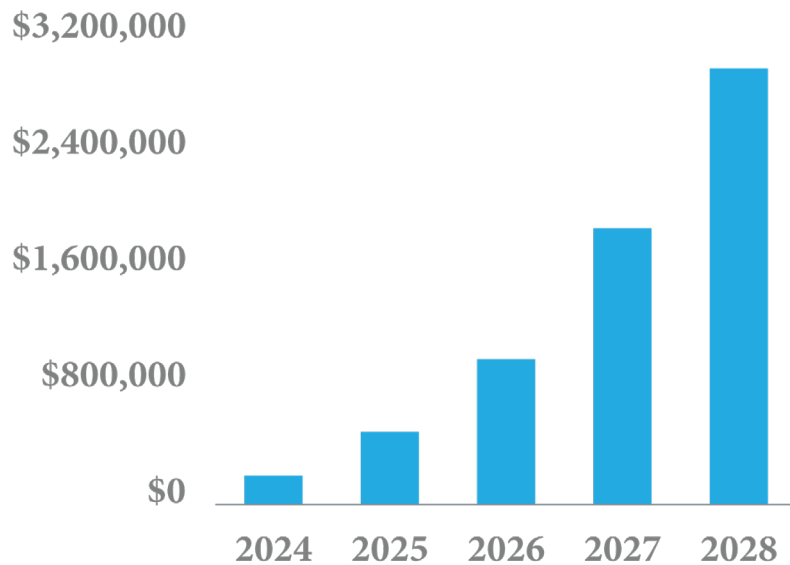


LiveGrow Bio

Formulation projects will lead to manufacturing at 87% margin

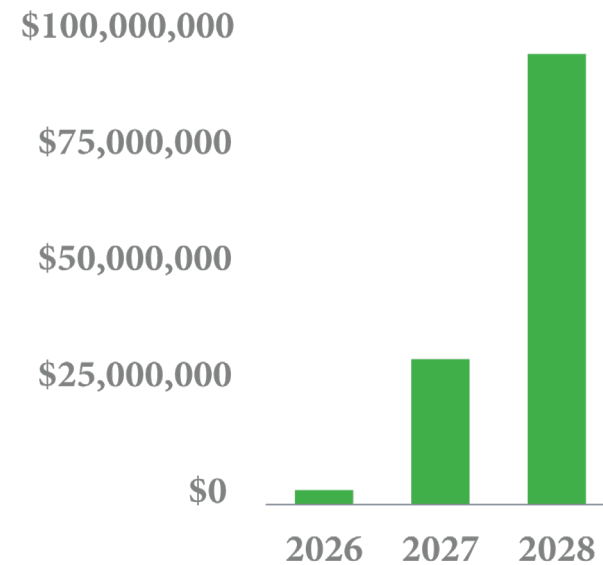
\$6.8 MILLION

**TOTAL PRODUCT
FORMULATION REVENUE**



\$131.25 MILLION

**TOTAL TOLL
MANUFACTURING REVENUE**



MARKET FOR TOLL MANUFACTURING



8.2%

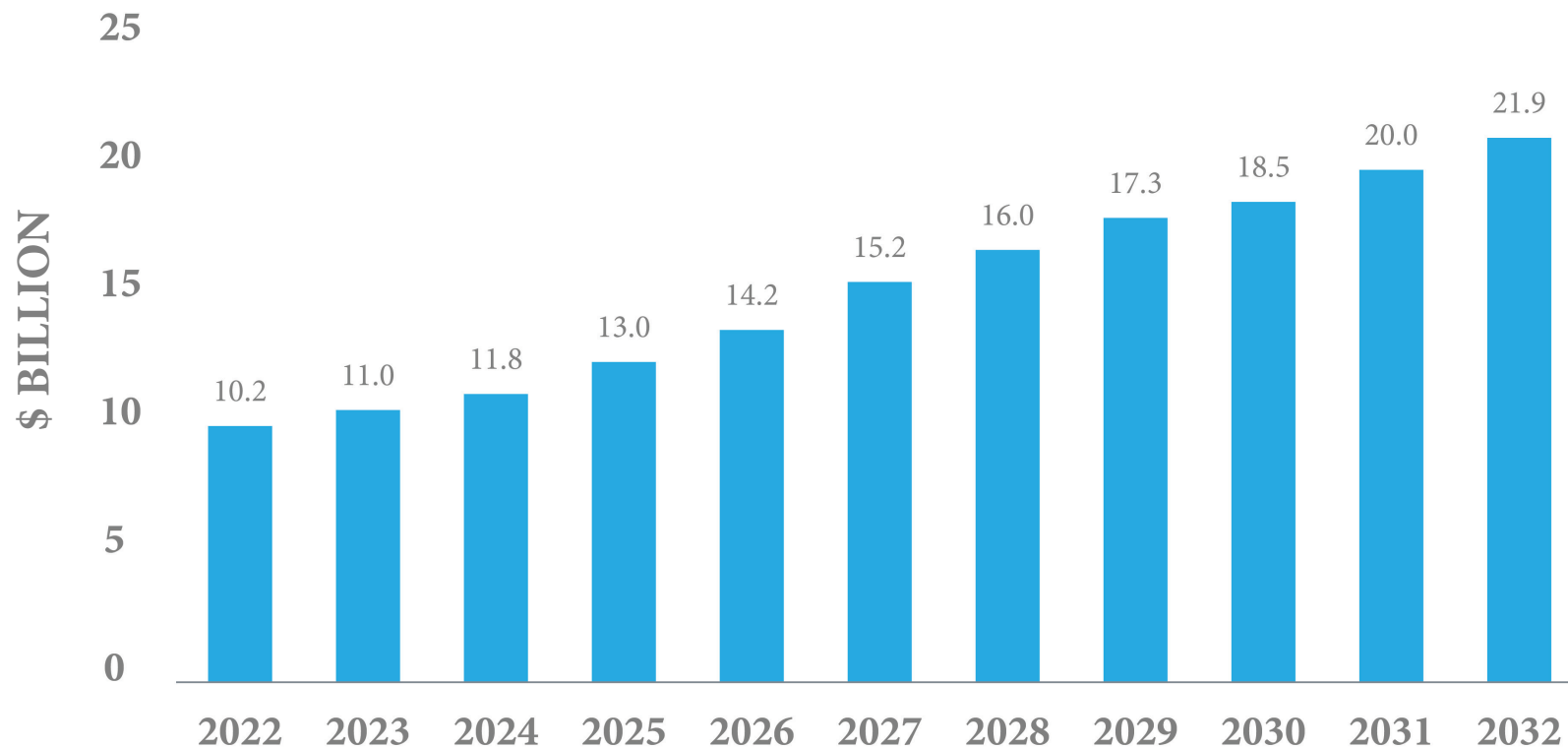
**CAGR MARKET
GROWTH**

\$21.9B

**FORECASTED MARKET
SIZE FOR 2032**

AGRICULTURAL BIOLOGICALS MARKET

Size: 2022-2032 (USD Billion)



SUSTAINABILITY IMPACT

20% less synthetic fertilizer use in EU & NA



15.1 MILLION TONNES
REMOVED BY 2034

* Projection made using Buhler carbon calculator. Assuming LiveGrow Bio manufactured and licensed biostimulant products are applied on 15% of agricultural hectares in EU and North America (4% of global agricultural hectares) by 2034.

Confirmed 2+ years room temperature shelf life

Gram Negative



*Enterobacter
Ludwigii*

7.3×10^8 CFU/g
AFTER 2.4 YEARS

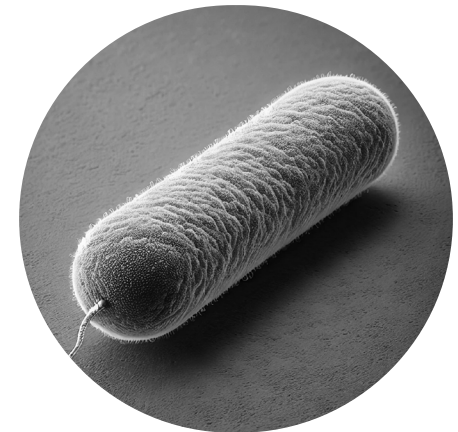
Gram Positive



*Bacillus
sp. 3KT*

4.2×10^9 CFU/g
AFTER 2.4 YEARS

Gram Negative



*Pseudomonas
Marginalis*

3.4×10^6 CFU/g
AFTER 2.4 YEARS

We already generate revenue with more in the pipeline

Golf Biostimulant
Proof-Of-Concept Product



**99% SALES
MARGIN**

**RECURRENT CUSTOMER
SINCE 2019**

Product Development
Projects



**\$155,000
REVENUE**

**BIOPESTICIDES & BIOSTIMULANTS
IN DEVELOPMENT PIPELINE**

2023 MassChallenge
Accelerator Winner



**\$117,539
REVENUE**

**WINNER OUT OF 1200
COMPANIES GLOBALLY**

FOUNDING TEAM



LiveGrow Bio

Andrey Pinchuk
CEO



Alan Wicks, PhD
Field Research



Grigoriy Pinchuk, PhD
Microbiology



VERDESIAN



SUPPORTING TEAM



LiveGrow Bio

Marco Iotti, PhD
Corporate Finance



Jeff Pepe, PhD
IP Strategy



Sergey Stolyar, PhD
Product Formulation



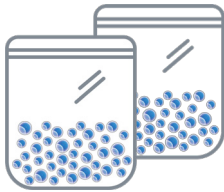
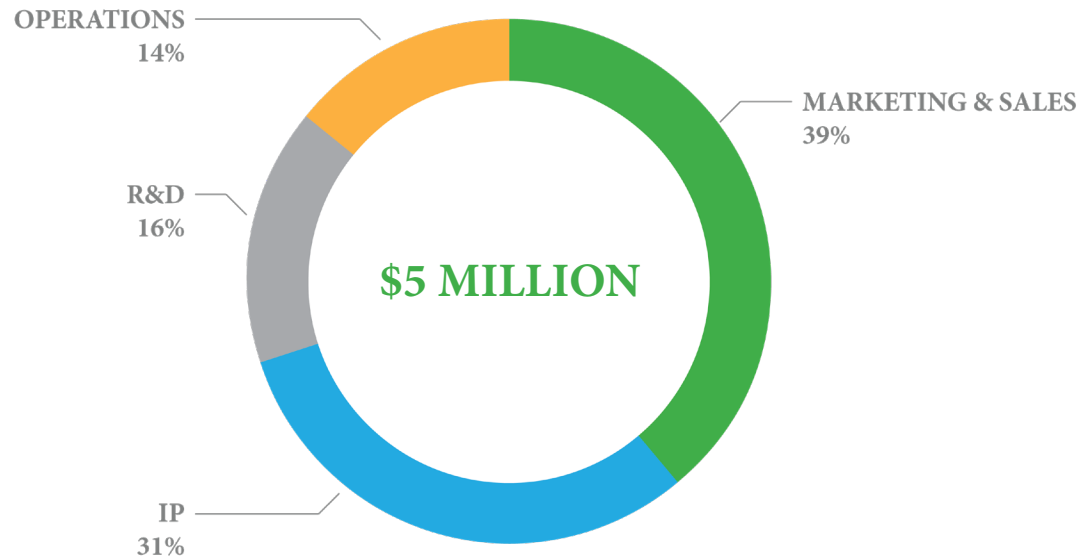
Ashish Malik
Industry Partnerships



Cara Tobin, PhD
Operational Sustainability



Expand IP protection and finalize automated manufacturing design



ACQUIRE FORMULATION CLIENTS

CONVERT TO MANUFACTURING AND LICENSING CLIENTS IN 2026



FINISH MANUFACTURING & PACKAGING DESIGN

COMPLETE ALL BLUEPRINTS
CONFIRM SUPPLIERS



FILE ADDITIONAL US & INTERNATIONAL PATENTS

PRODUCE HIGH QUALITY SUPPORTING DATA

MICROBIAL PRODUCTS ARE THE FUTURE

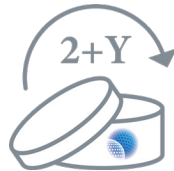


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LOWER
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2+ YEARS
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SHELF LIFE



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Andrey Pinchuk

Co-founder & CEO

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