

HypoFungus

Natural Shield for Crops

PROMBLEM

“ A 140 years old problem”



PROBLEM

“The Cost of Using Chemical Fungicides”

CROP LOSS

23% yield
loss

FUNGAL
RESISTANCE

500+ strains

HUMAN DEATHS

200,000
deaths/year

Pollution

2.5M tons
chemicals

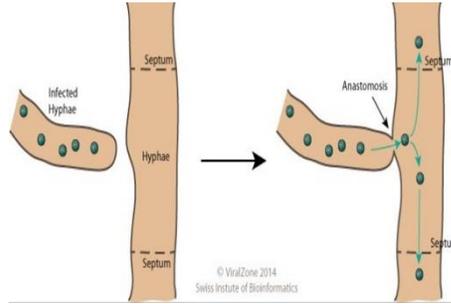
SOLUTION



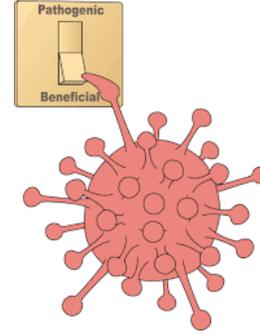
HOW IT WORKS



Virus containing fungi



Transfer of virus to virus-free fungi



Switches off the disease-causing ability



Mechanism of Mycovirus Reducing Pathogenicity

Fungal infection



Cured plant



Reducing the dose of chemical fungicides



Safer food on the table



Lesser damage to the environment

SOLUTION “Protecting crops without harming people or the planet”

DISEASE
CONTROL

70-90%

FUNGAL
RESISTANCE

0 strain

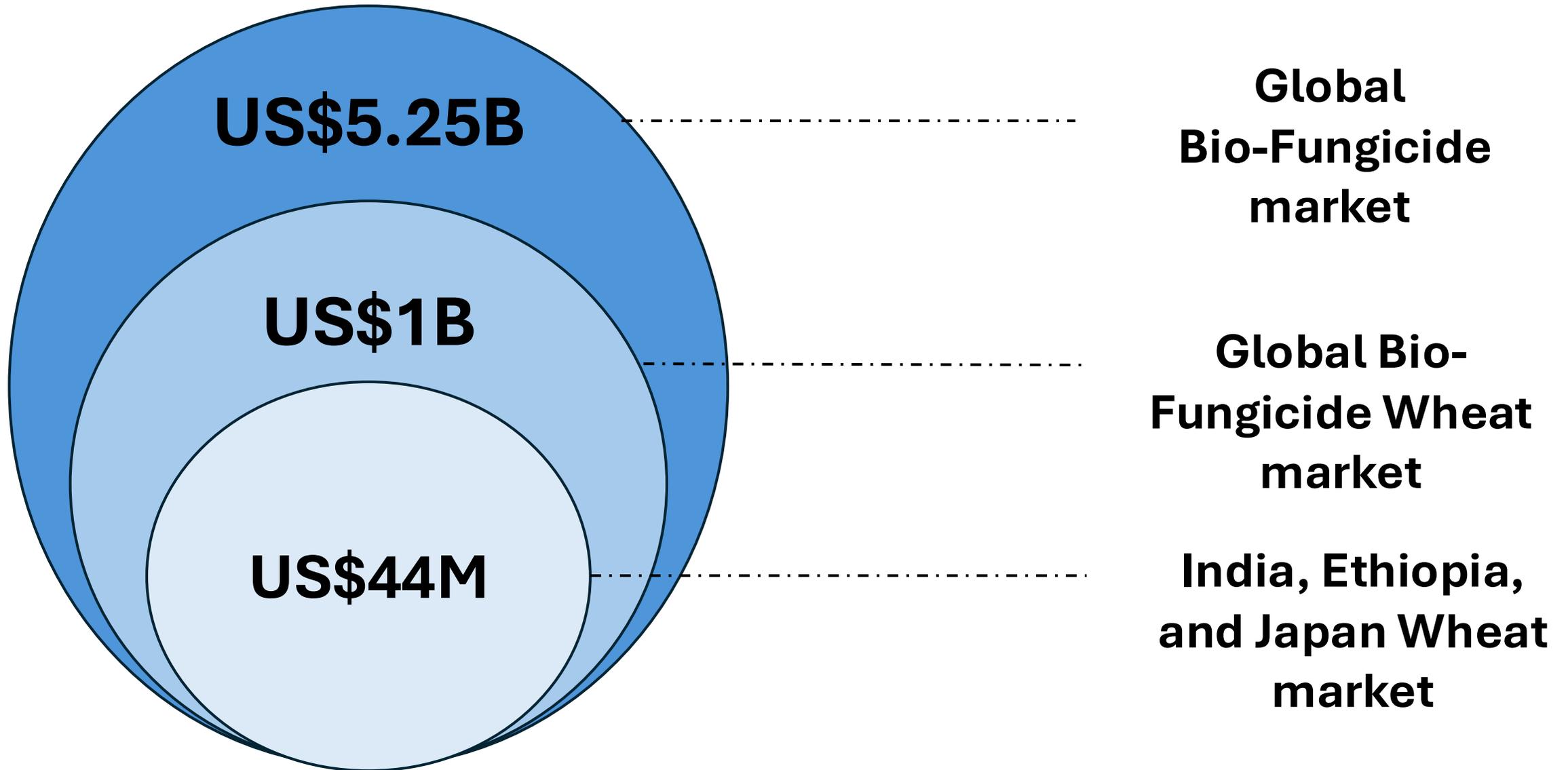
HUMAN DEATHS

50-60%
reduction in
deaths/year

Pollution

0 chemical
residue

MARKET SIZE



BUSINESS MODEL “Hybrid Business Model: Brand Ownership + Partner Scale”

REVENUE 1

Direct Product Sales

- HypoFungus earns revenue by selling **per hectare, per season**, for wheat
- Only manufacturing is **contracted out**

REVENUE 2

Partner-Led Distribution

HypoFungus technology will be **licensed to regional agri-biotech companies**, government, and sustainable programs

REVENUE 3

Expansion

HypoFungus platform will be extended to **other crops and fungal pathogens**

GO-TO-MARKET STRATEGY



VALIDATE



- Field trials
- Demonstration plots
- Pilot programs
- Collaborate with local farmers



SCALE



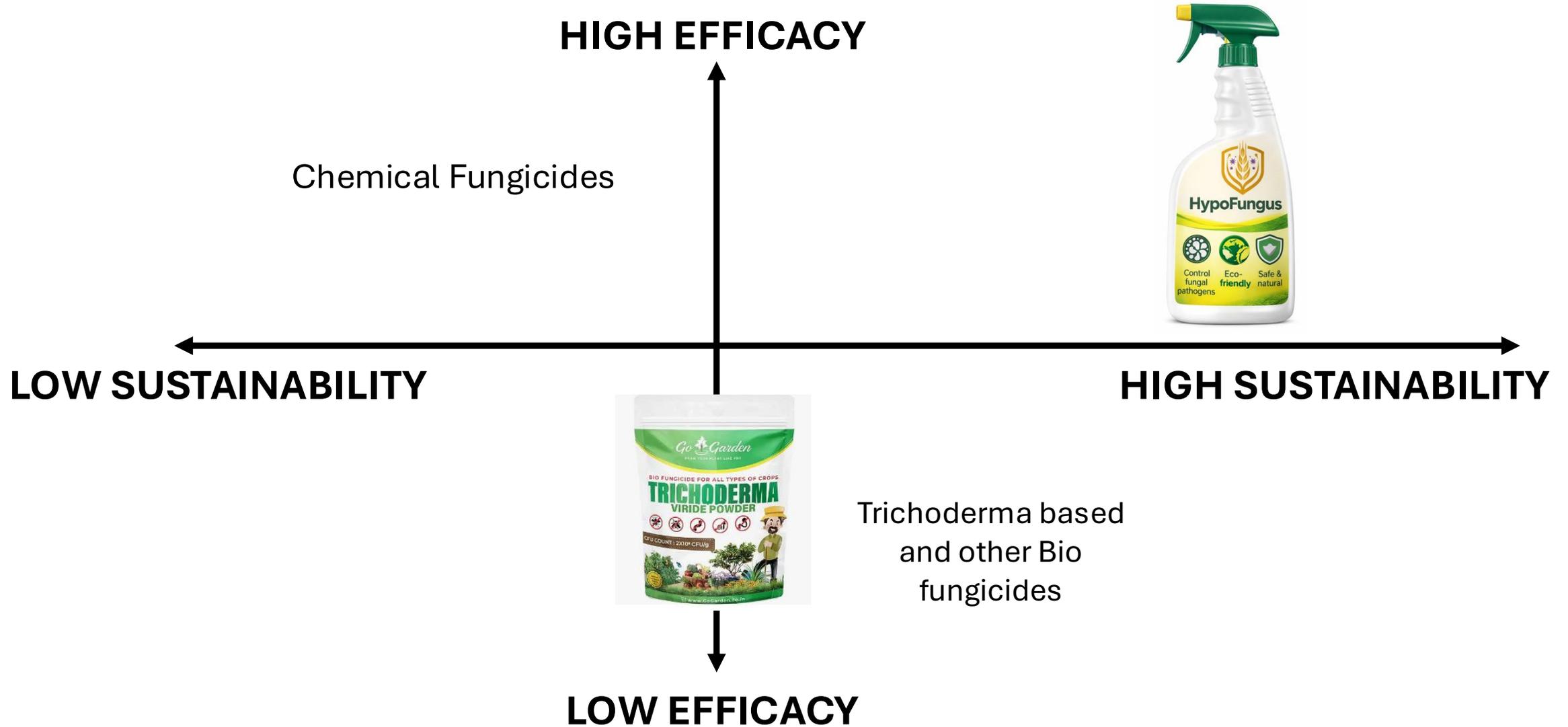
- Agri-input distributors
- Seed companies
- Government distributors



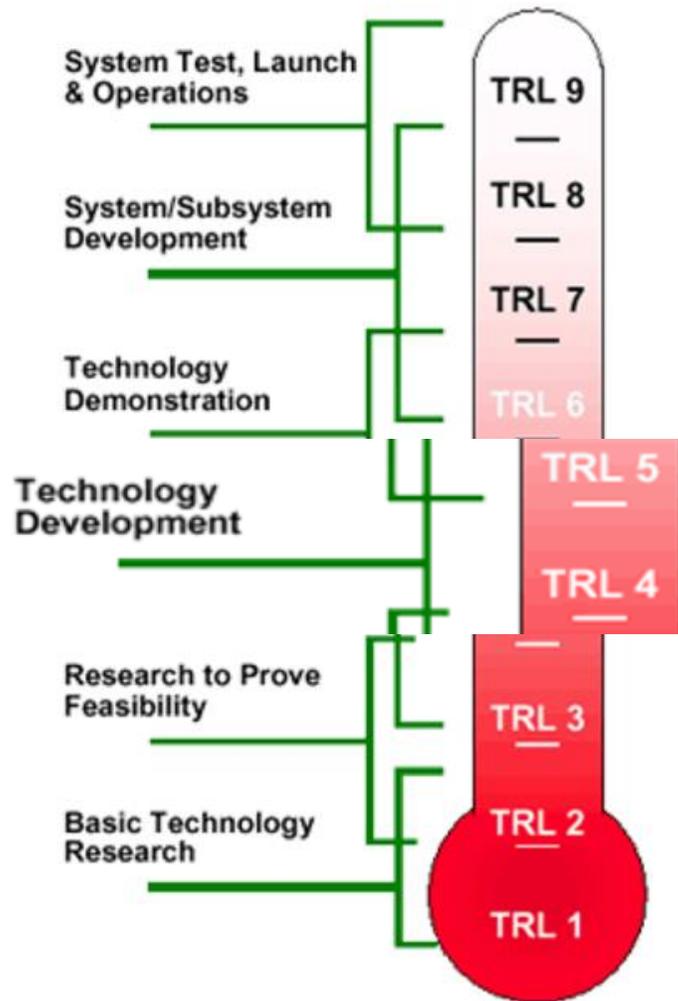
EXPAND

- Regional licensing partnerships

DIFFERENTIATION

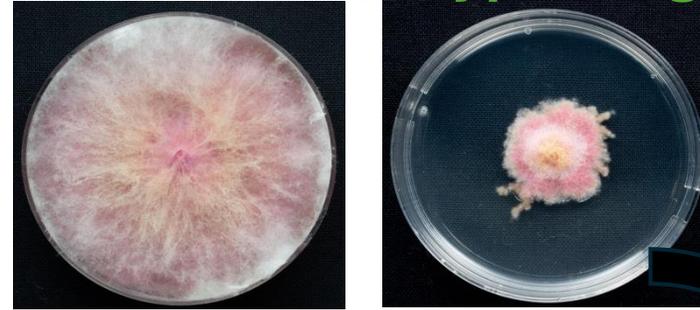


TRL (TECHNOLOGY READINESS LEVEL)



Lab proof ✓

Pathogenic fungi **HypoFungus**



TEAM

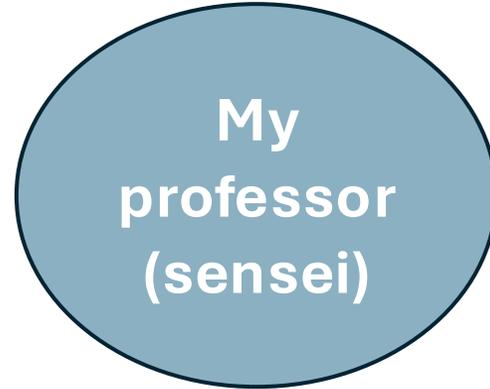


Name: Vanshika

(PhD researcher in Plant Pathology
(Mycoviruses))

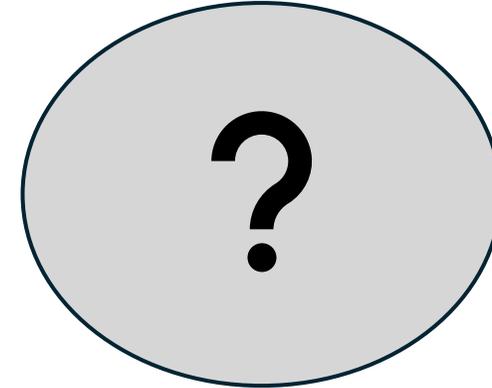
Founder & CEO

(Scientific Lead – Mycoviruses &
Biocontrol)



Name: Sotaro Chiba

Scientific Advisor & Co-Inventor
(*Professor, Plant Pathology /
Virology*)



- Head of Manufacturing & Scale-Up
- Regulatory & Field Trials Lead
- Commercial & Partnerships Lead

\$0.9M

- To complete product validation
- Regulatory readiness
- Pilot deployments
- Enabling commercial launch



Vanshika Abbhi

MEXT Doctoral Research Student at Nagoya University, Graduate School of Bio Agricultu...





Category	%	Amount (USD)	Purpose
Product validation & trials	30%	270,000	Greenhouse, demo plots
Regulatory & compliance	20%	180,000	Biofungicide registration prep
Outsourced manufacturing pilots	20%	180,000	Scale-ready batches
Team & operations	15%	135,000	Founder + 1 technical hire
IP, legal & brand	10%	90,000	Strain + formulation protection
Contingency	5%	45,000	Risk buffer
Total	100%	900,000	

Year	Phase	Volume (kg)	Price (\$/kg)	Revenue (\$)	COGS (\$)	Gross Margin (\$)	Net Cash Flow (\$)
1	Validation	0	–	0	0	0	-150,000
2	Pilot programs	50,000	5	250,000	160,000	90,000	-60,000
3	Early scale	300,000	5	1,500,000	960,000	540,000	+420,000
4	Regional scale	800,000	5	4,000,000	2,560,000	1,440,000	+1,200,000
5	Global wheat	2,000,000	5	10,000,000	6,400,000	3,600,000	+3,100,000
6	Multi-region	5,000,000	5	25,000,000	16,000,000	9,000,000	+8,200,000
7	Platform scale	10,000,000	5	50,000,000	32,000,000	18,000,000	+16,500,000