



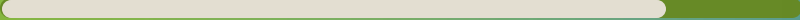
VARADA

Harnessing
Nature's Biology
for Planet Positive
Agriculture

Conventional chemical pesticides are standard agricultural production inputs

Without them, the crop loss is too high

Fruit Production Loss **78%**



Vegetable Production Loss **54%**



Cereal production loss **32%**

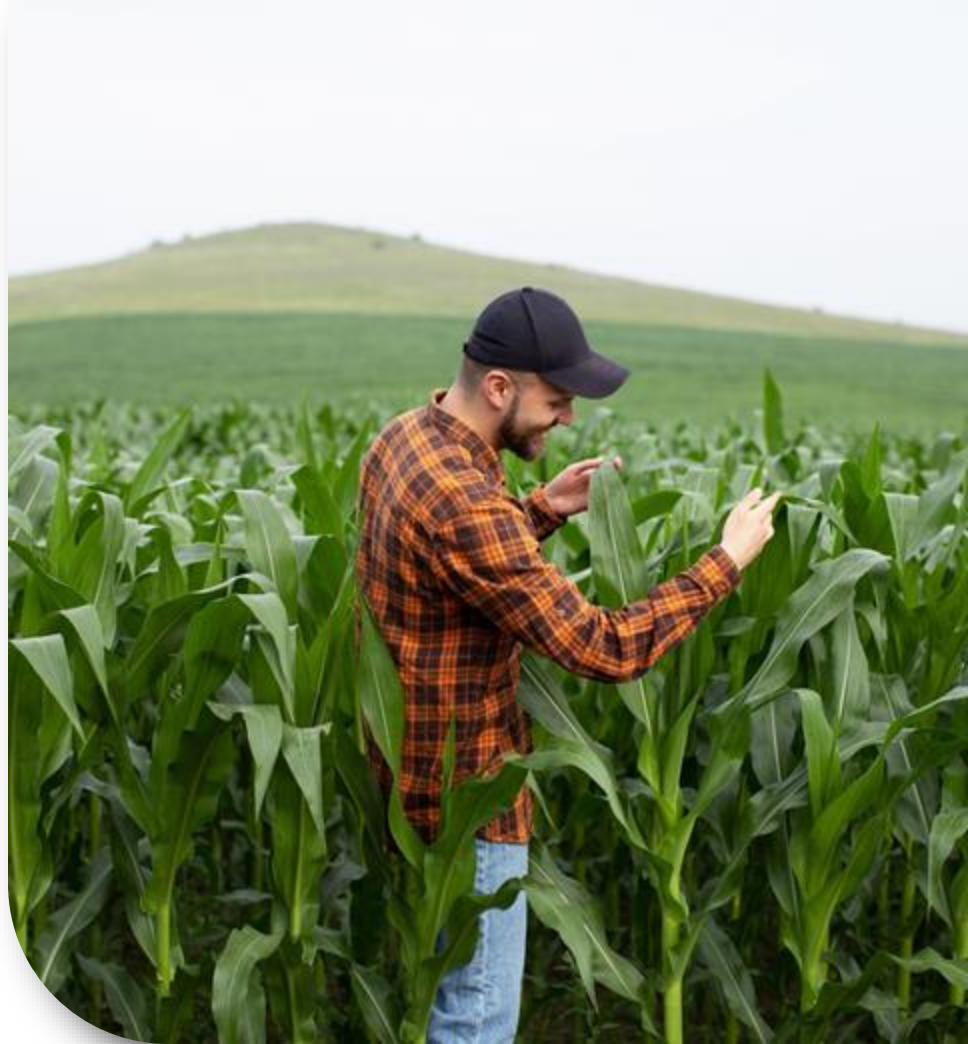


**However, these same
conventional pesticides
have negative
environmental and
human health impacts,
and increasing
regulatory challenges**



The demand for **sustainable pest control** is **increasingly urgent**

Varada has developed a proprietary, **nature-based** pest control platform that is **high-performing, pest specific, and eco-friendly**



Varada's crop protection products are **RNAi** pesticides, the **most promising emerging technology**



New mode
of action



Targeted
Pest Control



Sustainable



Biodegradable



Non-GMO
Technology

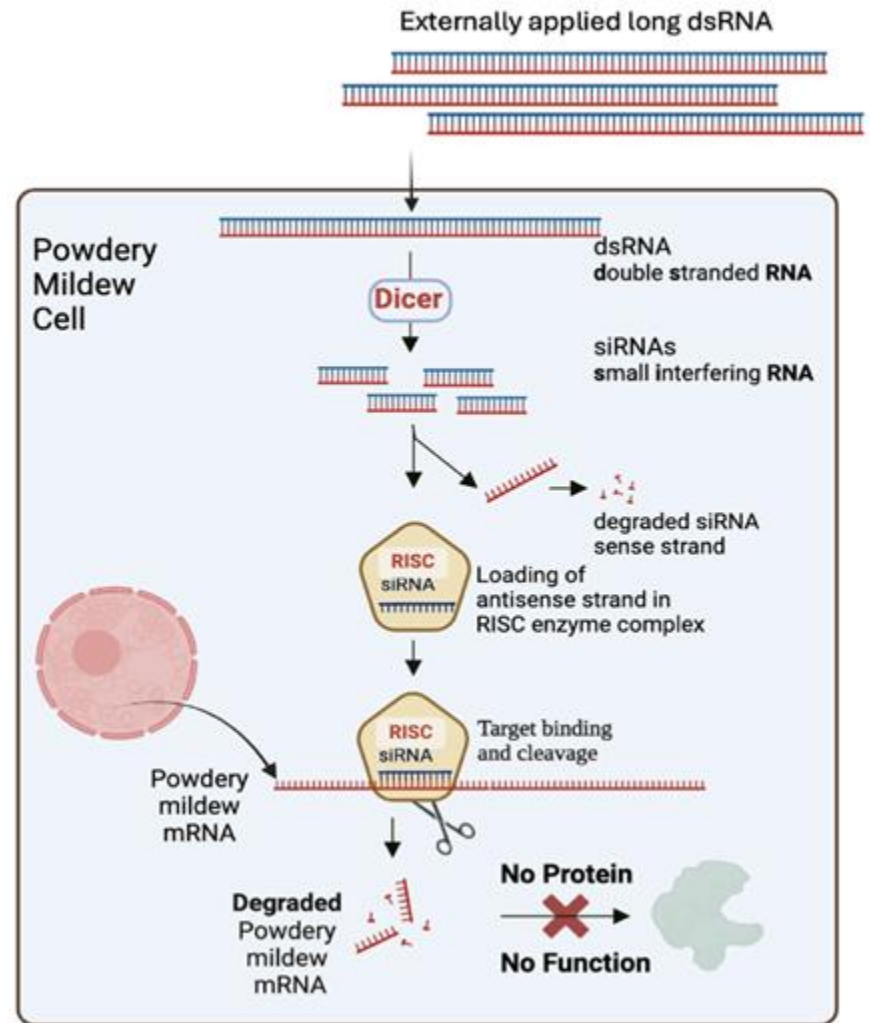


Varada's RNAi products only target the pest, disrupting its ability to grow

Mode of Action

RNA Interference (RNAi)

Breakdown of target mRNA
impacting important pathogen function



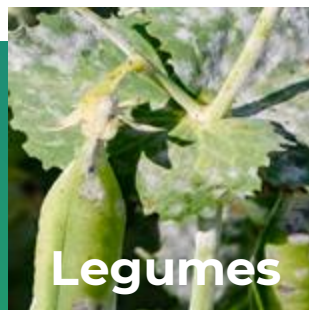
Our first **nature-based fungicides** for **powdery mildews** works across different crops



Grapes



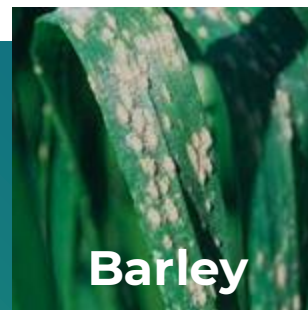
Strawberry



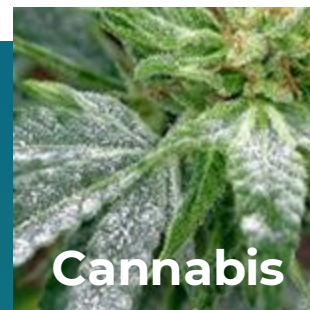
Legumes



Fruit Trees



Barley



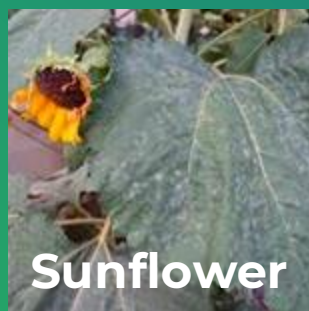
Cannabis



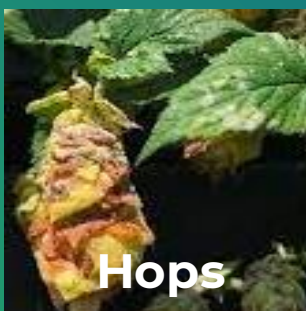
Wheat



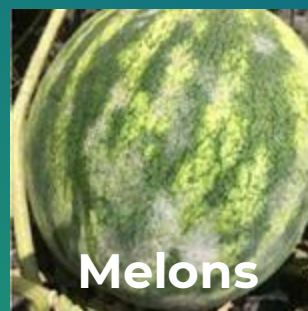
Cucurbits



Sunflower



Hops



Melons



Ornamentals

Powdery Mildew the dominant disease of grapes globally

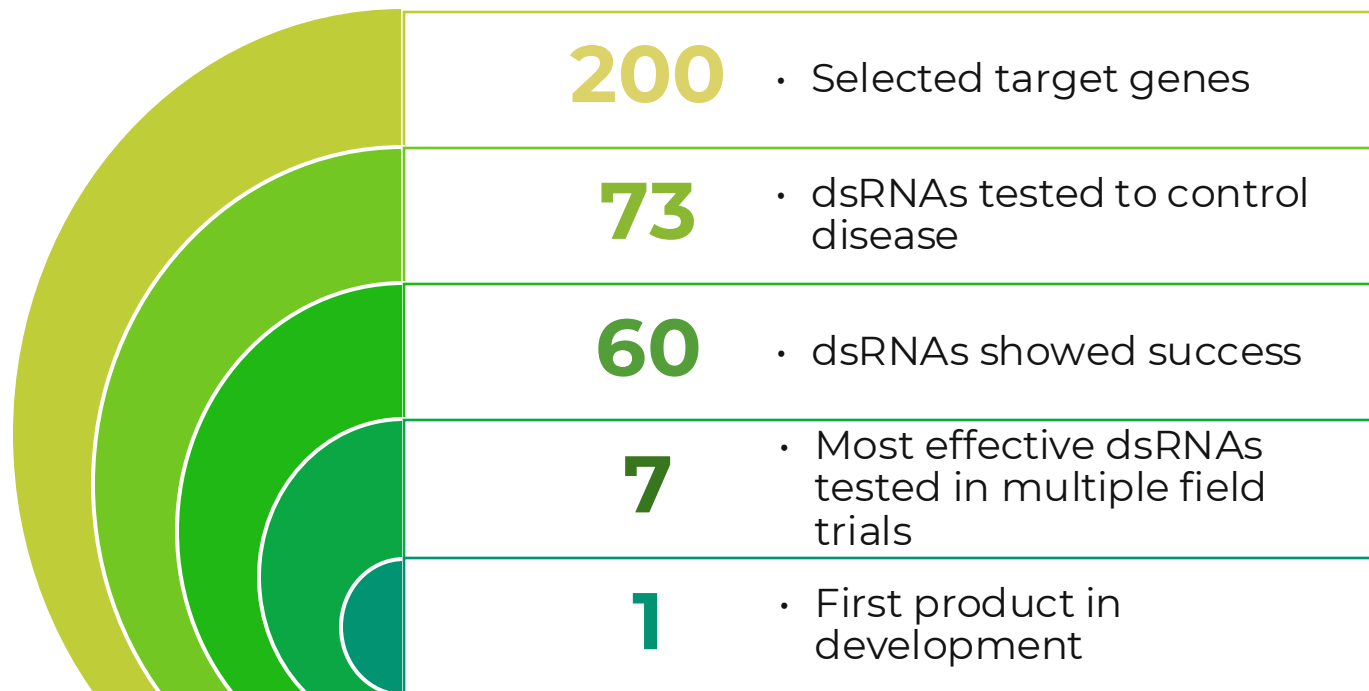
Grape production in California alone valued at >\$6 Billion

Currently, chemical solutions are preventively sprayed throughout grape growing season

- Wine grapes: 7x-13x sprays per season
- Table grapes: 25x-35x+ sprays per season



Varada's proprietary high-throughput screening identifies the **best gene candidates** for product development



Each effective target gene makes an independent product

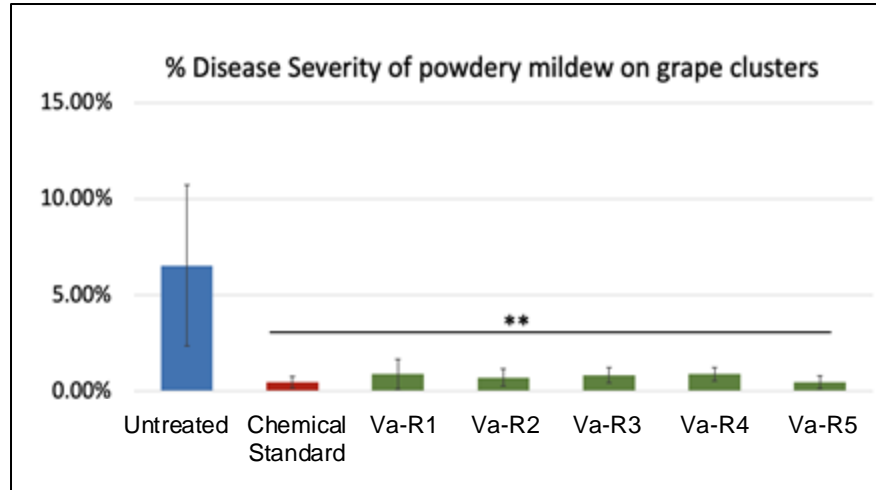
Easily translated to other crops and pests

Multiple field trials across **California validated the efficacy of our technology**

- 14 Individual field tests 2020-2024 in various locations in CA
- 7 Target genes tested, all worked
- 7 different grape varieties
- Tested efficacy, spray intervals, dosage and adjuvants



All selected RNAs tested in field control powdery mildew infections in wine grapes!



% Disease Severity data on Sauvignon Blanc, Fresno county

** p value < 0.005/ Spray timing: May to harvest

The Global Pest Control Market is Large

We are starting with Powdery Mildew



Varada's technology easily extends to all pests



***“We will kiss you if you
make this product”***

***“Keep working on
new mildew
fungicides. We need
new materials!”***



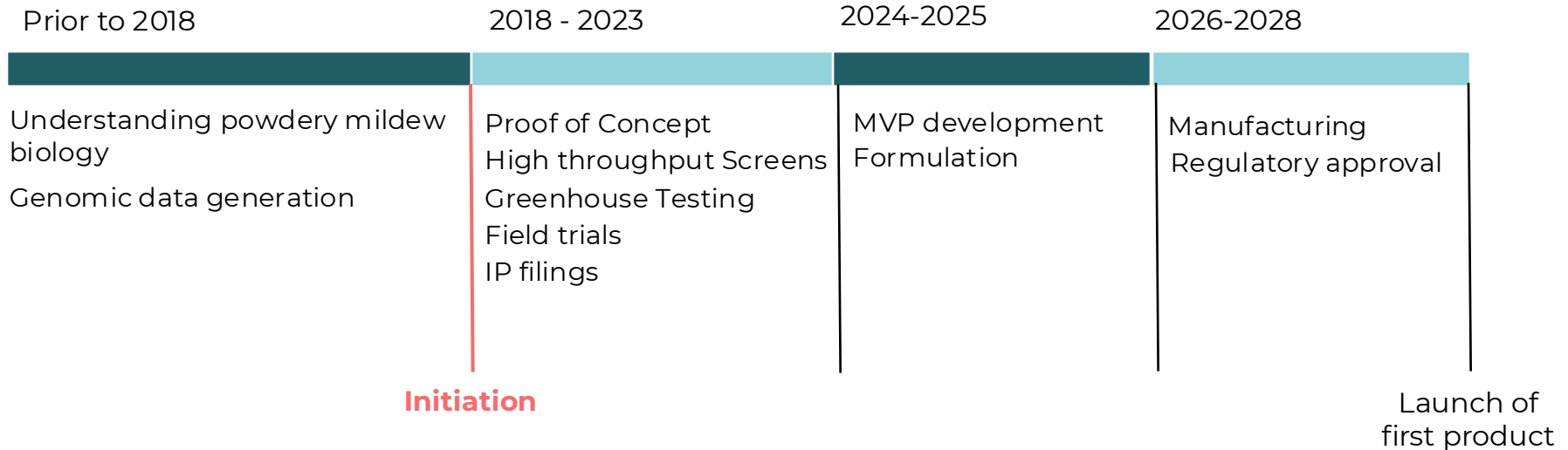
***“We needed
this yesterday!”***



Our customers are
overwhelmingly
asking for our
solutions

NSF National i-Corps 2020

Technology Development & Milestones



Patent with **416 novel sequences**

Awards and Honors: \$3.5MM+ 2018-2025

Through UC Berkeley



National Science Foundation

2018-24
\$1,133,000



American Vineyard Foundation

2018-24
\$648,000



DOE-JGI

2015-22
\$500,000



California department of Pesticide Regulation

2023-25
\$465,000



Goeckner Foundation

2018-20
\$36,000

Through Varada Agriculture



Activate Fellowship

\$400K



DOE

Current grant for
manufacturing
\$500K

The Team



Jyoti Taneja
Founder, CEO

Global RNAi expert specializing in fungal pathogens

19 years experience working with plant pathogens;

PhD, NIPGR-JNU, India
Postdoc ICGEB, Delhi, India
Project Scientist, UC Berkeley
Activate Fellow Cohort#2023



Kevin Hammill
Co-Founder,
Business Advisor

Provides Market and Business Insight.

25+ years of executive experience scaling businesses in the crop protection, plant nutrition, chemistry, biology & synthetic biology market



Mary Wildermuth
Co-Founder, Scientific Advisor

Professor, UC Berkeley

20+ years experience in plant microbe interactions
Powdery mildew expert

PhD Biochemistry, University of Colorado, Boulder
Postdoc Harvard Medical School



Ajit Narwal
Business Advisor

MBA, UC Berkeley

10+ years in semiconductor industry across various startup roles, specializing in 0-to-1 strategy and early stage execution



Anne French
Strategic Brand Advisor

Provides strategic brand development & insights.

With >25 years experience in building and commercializing brands 500 to startups, with 12 years in innovative natural foods.



Varada Agriculture

A safer, greener
agriculture
ecosystem is here.

Join Us.