

MicrobeBio®

**GROWING 100,000
MT OF ORGANIC
DURIANS
ANNUALLY IN
THE DOMINICAN
REPUBLIC**





EXECUTIVE SUMMARY

Objective: Cultivate and export 100,000 MT of organic durians annually from the Dominican Republic.

Location: Samaná Peninsula – optimal climate, fertile land, access to ports.

Unique Approach: Integrates Microbebio biological inputs, spectral imaging, and organic shelf-life extension.

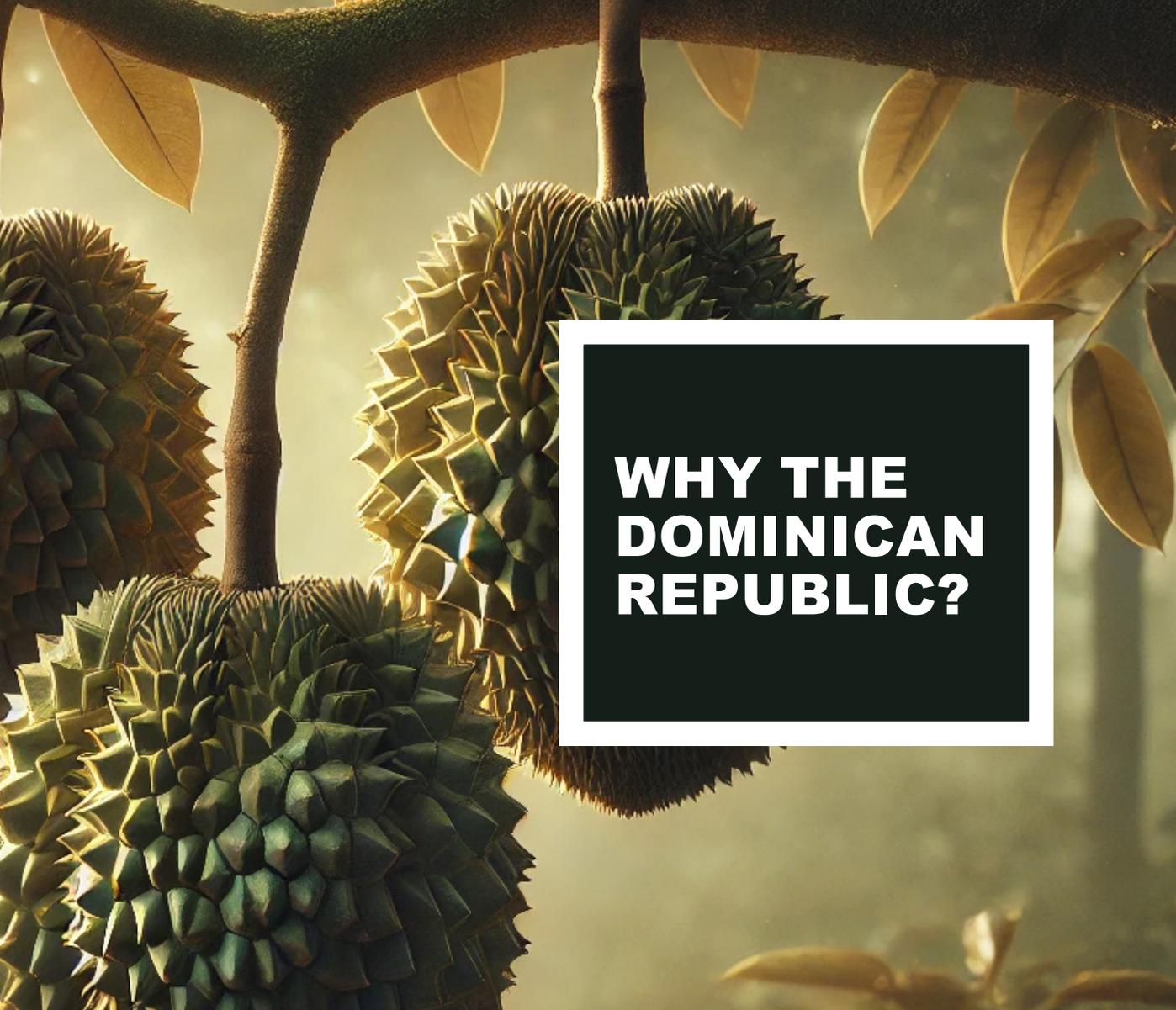
Target Markets: U.S., Europe – high-value, underserved.

ROI: \$1B annual revenue by Year 7, 10-year ROI of ~7,910%.



GLOBAL MARKET OPPORTUNITY

| Region | Volume (MT) | Value (USD) | Notes |
|--------|---------------|------------------|---|
| China | 1.43M / 1.56M | \$6.7B / \$6.99B | Largest importer; Vietnam & Thailand lead |
| USA | 1,000–2,000 | \$5M–\$10M | Niche, growing market |
| Europe | 500–1,000 | \$2M–\$5M | Premium, organic-focused market |
| Canada | 100–200 | \$0.5M–\$1M | Follows U.S. trends |

A close-up photograph of several durian fruits hanging from a tree branch. The fruits are green and covered in characteristic sharp, pointed scales. The background is softly blurred, showing more leaves and branches, suggesting a tropical environment. A white-bordered black box is centered over the image, containing the main title.

WHY THE DOMINICAN REPUBLIC?

CLIMATE: 2,000–2,500 MM
RAINFALL, 80%+ HUMIDITY,
25–30°C YEAR-ROUND.

SOIL: LOAMY, FERTILE, PH
5.5–6.5, AMENDABLE WITH
ORGANIC MATTER.

LOGISTICS: COASTAL
LOCATION, PROXIMITY TO
SAMANÁ BAY FOR EXPORTS.

**LABOR & LAND
AVAILABILITY:**
AFFORDABLE, AVAILABLE,
AND FERTILE.

PROJECT SCOPE



VARIETIES:
MONTHONG, D24

TIMELINE:
3-YEAR PHASED PLANTING;
FULL YIELD BY

EXPORT VOLUME:
100,000 MT/YEAR



LAND AREA:
7,500 HECTARES
TREE COUNT:
1.17 MILLION TREES
(156 TREES/HA)





MICROBEBIO INNOVATIONS

NATURE PHENOM GRW™:
ENHANCES YIELD, NUTRIENT
UPTAKE, AND ROOT
DEVELOPMENT.

NATURE PHENOM X2™:
SUPPRESSES ETHYLENE
PRODUCTION TO SLOW
RIPENING.

**NATURE PHENOM
X3™:** ORGANIC FUNGAL
PATHOGEN CONTROL.

SPECTRAL IMAGING:
REAL-TIME RIPENESS AND
QUALITY MONITORING.

MAP PACKAGING:
MAINTAINS FRESHNESS FOR
17 DAYS POST-HARVEST.

ECONOMIC SUMMARY



INITIAL INVESTMENT (YEARS 1-3):

- *Land:* \$3.75M
- *Orchard Development:* \$15M
- *Infrastructure:* \$5M
- *Imaging Tech:* \$0.1M
- *Total:* \$24.2M

ANNUAL OPERATING (YEAR 7+):

- *Labor:* \$25M
- *Fertilizer & Microbebio:* \$9M
- *Irrigation/Energy:* \$2M
- *Export/Transport:* \$500M
- *Misc.:* \$2M
- *Total:* \$538M

Revenue: \$1B/year

Net Profit: \$462M/year



10-YEAR ROI FORECAST

| Year | Revenue | Cost | Profit | Cumulative ROI |
|------|---------|---------|----------|----------------|
| 1-4 | \$0 | \$34.2M | -\$34.2M | -100% |
| 5 | \$250M | \$300M | -\$50M | -348% |
| 6 | \$600M | \$450M | \$150M | 271% |
| 7 | \$1B | \$538M | \$462M | 2,174% |
| 8-10 | \$3B | \$1.6B | \$1.4B | 7,910% |



**JOB
CREATION
& LOCAL
IMPACT**

DIRECT JOBS:

5,000 WORKERS (PLANTING, POLLINATION, HARVEST, QA, PACKAGING)

INDIRECT JOBS:

2,000+ (LOGISTICS, PORT HANDLING, TECH SERVICES)

WAGE IMPACT:

\$35M+/YEAR INTO THE LOCAL ECONOMY

TRAINING:

AGRICULTURAL TECH SKILLS AND ORGANIC PRACTICES

SUSTAINABILITY COMMITMENTS

100%
ORGANIC
PRACTICES (USDA &
EU CERTIFIABLE)

ZERO SYNTHETIC FERTILIZERS OR
PESTICIDES

DRIP IRRIGATION AND RAINWATER HARVESTING

BIOCHAR FROM DURIAN HUSKS FOR SOIL
REGENERATION

CARBON SEQUESTRATION,
WASTE RECYCLING



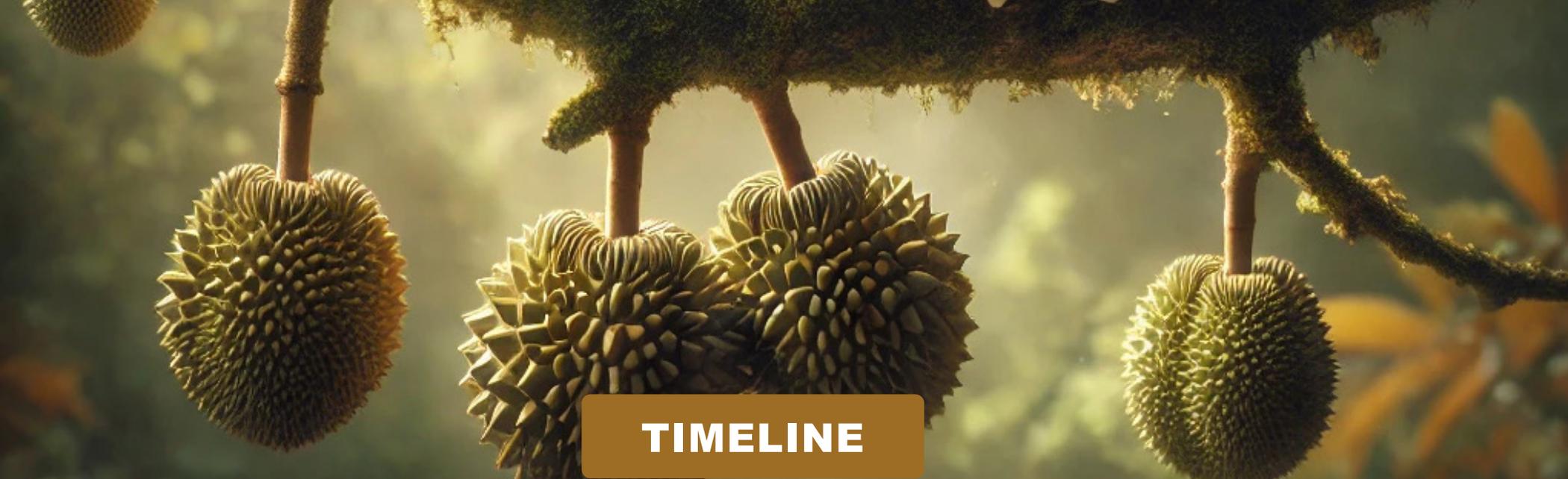
A photograph of several durian fruits hanging from a tree branch. The fruits are green and spiky, with a textured surface. The background is a soft, out-of-focus green, suggesting a tropical setting. The lighting is warm, highlighting the texture of the fruits.

RISK MITIGATION

CLIMATE: WINDBREAKS AND INSURANCE COVERAGE

MARKET: PILOT SCALE (500 HA IN YEAR 1); PHASED SCALE-UP

AGRONOMIC: PRE-TESTING CULTIVARS AND SOIL CONDITIONS BEFORE FULL ROLLOUT



TIMELINE

2025

500 HA PILOT
LAUNCH

2026–2027

PHASED
PLANTING AND
INFRASTRUCTURE
SCALE-UP

2028

FIRST MAJOR
HARVEST; EXPORT
STARTS

2030

FULL 100,000
MT YIELD

CALL TO ACTION



LOOKING FOR:

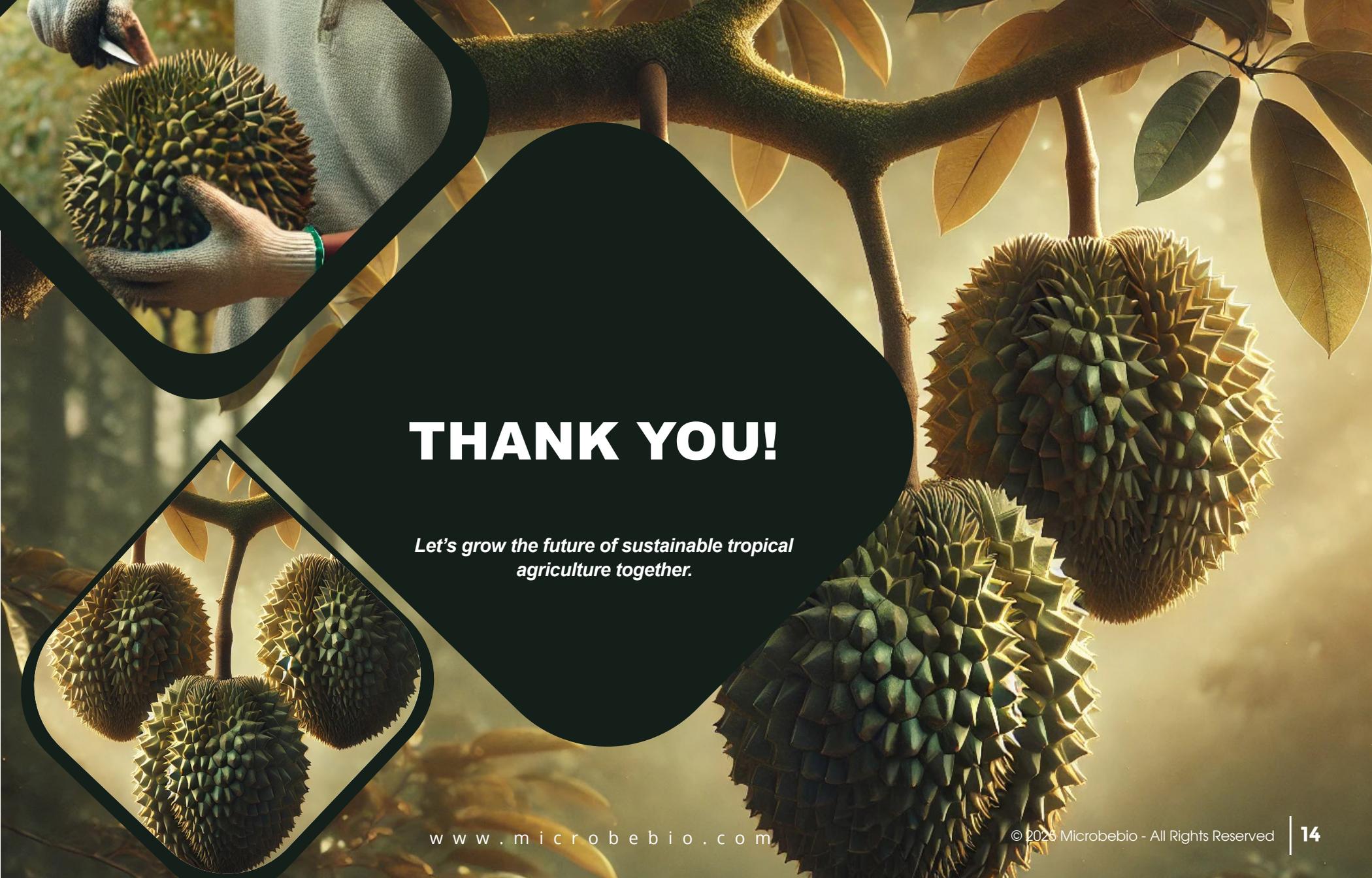
STRATEGIC INVESTORS, SUSTAINABILITY PARTNERS, AND EXPORT DISTRIBUTORS

NEXT STEP:

FUND 500 HA PILOT IN 2025 (\$2.5M BUDGET)

CONTACT US:

[INSERT CONTACT INFO HERE]



THANK YOU!

*Let's grow the future of sustainable tropical
agriculture together.*



MicrobeBio[®]

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