Shrimp Growout Intensification:
The Ecuadorian Story

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BY HOW MANY TIMES HAS ECUADOR MULTIPLIED ITS PRODUCTION IN THE LAST DECADE?

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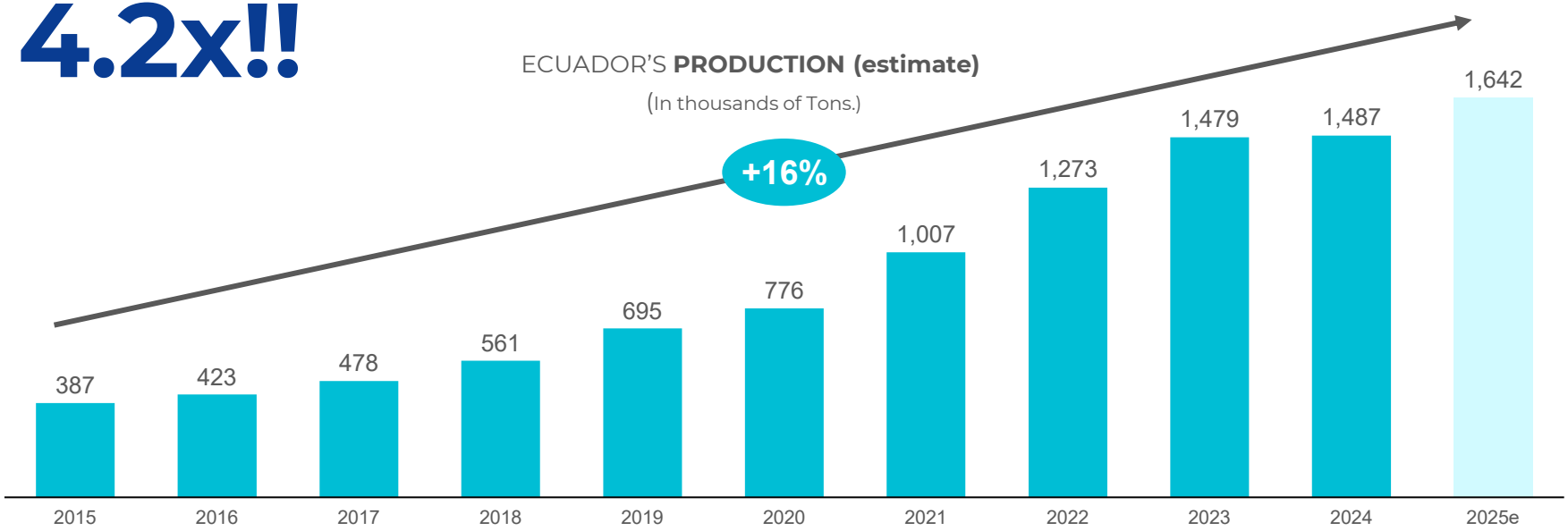
BY HOW MANY TIMES HAS ECUADOR MULTIPLIED ITS PRODUCTION IN THE LAST DECADE?

A: 2.3x B: 3.4x C:4.2x

ECUADOR HAS SUSTAINED DOUBLE DIGIT GROWTH

4.2x!!



Prepared by Vitapro's Market Intelligence department.

KEY DRIVERS IN ECUADOR'S GROWTH

Feed

Technology

Genetics

Improved Farm Management

TECHNIFICATION HAS PLAYED A KEY ROLE IN INTENSIFYING ECUADOR'S PRODUCTION

2017

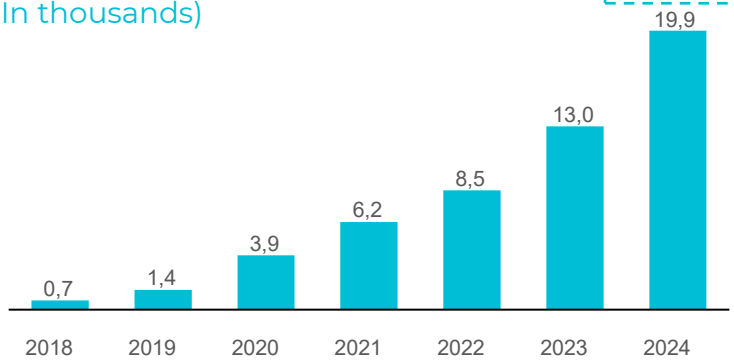
2021

2024

TECHNIFICATION GROWTH IN ECUADOR

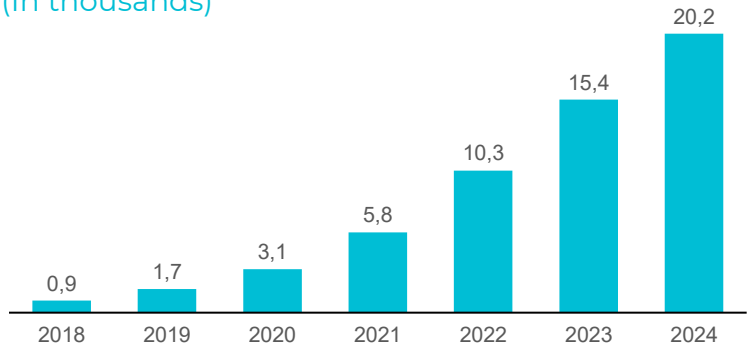
Hectares with Electrification (In thousands)

10.5%*



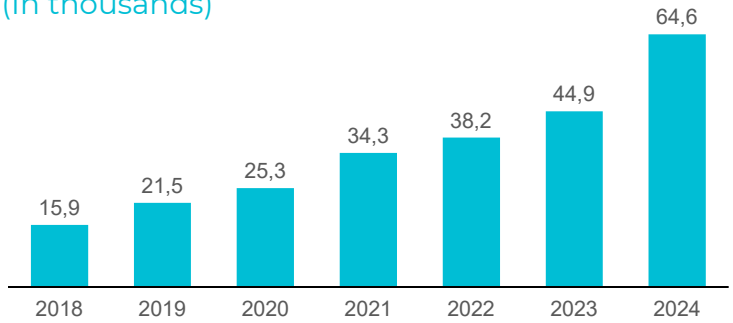
Hectares under Aeration (In thousands)

10.7%*



Hectares with Automatic Feeders (In thousands)

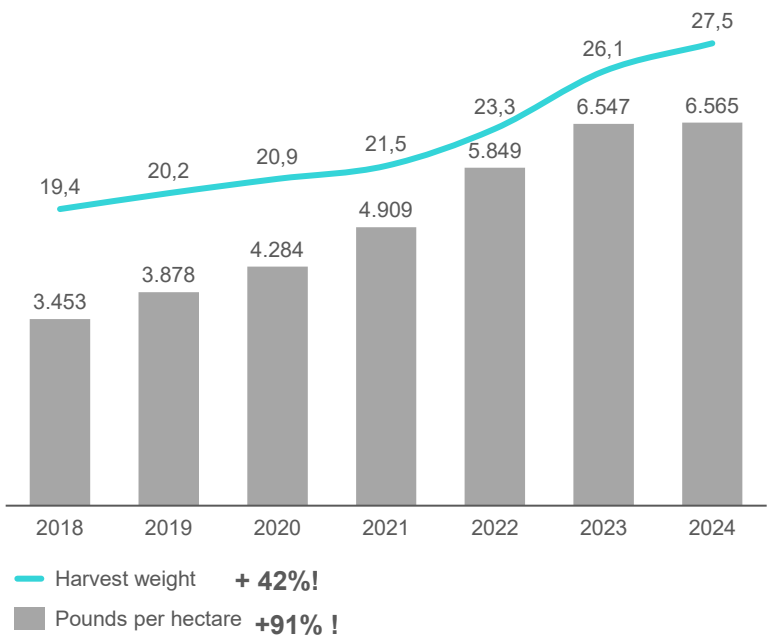
34.1%*

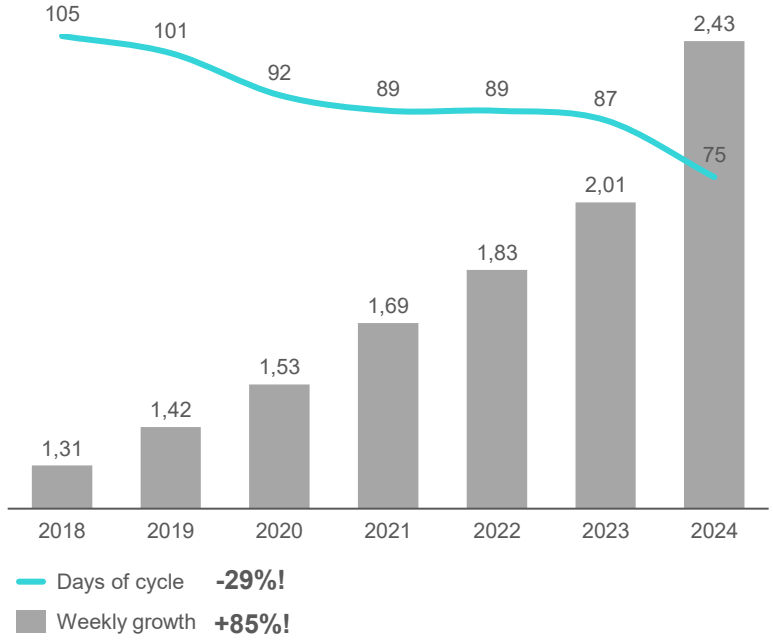


- Ecuador has boosted technification via electrification, auto-feeding, and aeration.
- This has steadily improved productivity and process control.
- Farms now operate with lower costs and shorter cycles

Prepared by Vitapro's Market Intelligence department
* Percentage calculated based on total productive water surface hectares in Ecuador

ECUADOR'S MAIN PRODUCTION KPI's THROUGH THE YEARS





Sample data from Nicovita's clients. Prepared by Vitapro's Market Intelligence department.

WHAT ARE WE THINKING ABOUT NEXT?

2024

2025+

New Mobile Feeder

MOBILE FEEDING INNOVATION:
SCALABLE, SUSTAINABLE AND EFFICIENT

Enhanced productivity in nursery and grow-out stages

Adaptable feeding by route regarding pond biomass

Modular, scalable design with remote operation

Covers up to 5 ha per unit, reducing equipment footprint

Reduction of 80% FTE due to refilling and maintenance

Improved soil conditions by distributing feed more evenly

Fewer microplastics in ponds by removing static components

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MOBILE FEEDING INNOVATION:
PROVEN IMPACT ON FARM PRODUCTIVITY

+15%
stock density

+8%
biomass productivity

+3%
survival rate

+4%
growth rate

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THE FUTURE OF SHRIMP FARMING

FEED INNOVATION

+

FARMING EFFICIENCY

+

STRONG GENETICS/LARVAE

X **TECHNOLOGY**
(Data, Analytics, AI)

= **SUSTAINABILITY**

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THANK YOU!

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