

# Experiencias Globais na Prevenção de Enfermidades na Produção de Camarão

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Global Product Manager Aquaculture Health  
Adisseo

- Who we are & what we do?
- Health Feed additives application around the world

# Adisseo, a leader at the heart of the food chain



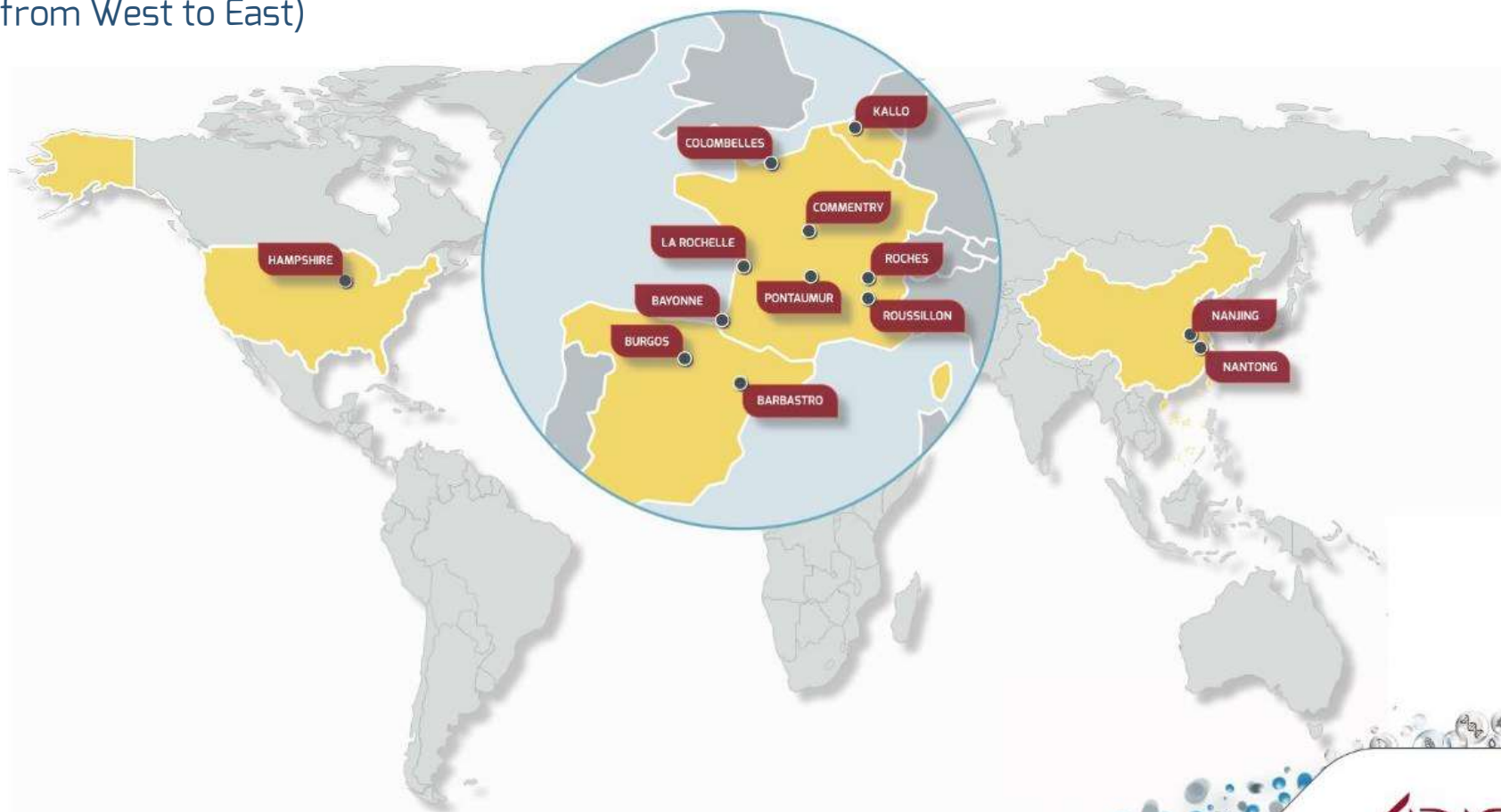
## Key Figures





# Our Industrial Footprint

(from West to East)



# Solutions & services for our customers



## Heritage of ADISSEO's BU Aquaculture



1997

### INVE Aquaculture: Premixes & concentrates for aquafeed

- pioneering concepts in aquaculture nutrition & health (future “specialties”)
- hands-on approach aquafeed formulation & processing, feedmill / integrator projects



2009

### INVE Nutriad: Aquaculture additives

- merging INVE Aquaculture and Nutriad additive portfolios for aquafeed

2011

### Nutriad International: Startup BU Aquaculture

- creation of global BU Aquaculture to steer product development, customer service and sales



2018

### Acquired by Adisseo: Roll out BU Aquaculture

- global leader in feed additives
- global/local BU Aqua expansion
- merging/expanding Adisseo and Nutriad product portfolios
- accelerating innovation



# The challenges in aquaculture require a specific Aqua Strategy

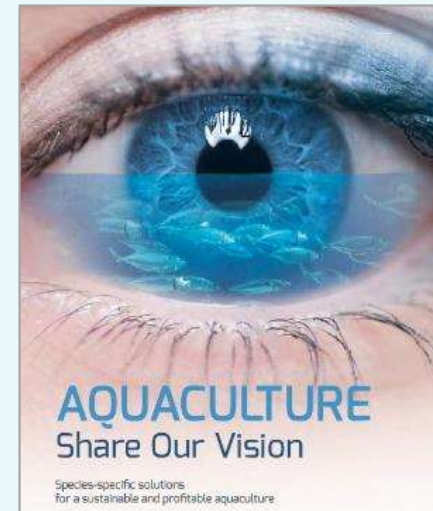
## KEY CHALLENGES

- Young
- Complex
- Fragmented
- High-value niche market
- Major challenges in health & nutrition increasing demand for specialized feed additives



## AQUA STRATEGY

- Species-specific Product Strategy
- Species-specific Technical Services
- Species-specific Innovation and R&D





# BU Aqua 2020: Global/Regional Aqua Expertise



**Peter  
Coutteau**  
BU Director



**Sam  
Ceulemans**  
Global Scientific &  
Technical Mgr



**Alexander  
van Halteren**  
Global Commercial  
Mgr



**Maria Mercè  
Isern Subich**  
Global Product Mgr  
Aqua Health



**Marleen  
Dehasque**  
Global Product Mgr  
Aqua Nutrition



**Waldo  
Nuez Ortin**  
Lead Scientist



**Manon  
Quintin**  
Marketing  
Specialist



**Gilberto  
Hernandez**  
Regional Mgr  
LA1



**Thiago  
Ushizima**  
Regional Mgr  
LA2



**Michalis  
Tzouramanis**  
Regional Mgr  
S-EU



**Ismail  
Youssef**  
Regional Mgr  
MEA1



**Kaan  
Ozakcan**  
Regional Mgr  
MEA 2



**Goud  
Dhanunjaya**  
Regional Mgr  
INDIAN SC



**Allen  
Gao**  
Regional Mgr  
CHINA



**Allen  
Wu**  
Regional Mgr  
APAC



**Huynh  
van Lanh**  
Sales Mgr  
Vietnam



**Chatiront  
Intaraksa**  
Sales Mgr  
Thailand &  
Myanmar



**Guiping  
Zhao**  
Regional Tech Mgr  
China



**Martin  
Guerrin**  
Regional Tech  
Mgr APAC/ISC



**Martha  
Mamora**  
Farm Application  
Mgr APAC/ISC





# AQUACULTURE HEALTH SOLUTIONS

## ADISSEO AQUA



### PREVENTIVE

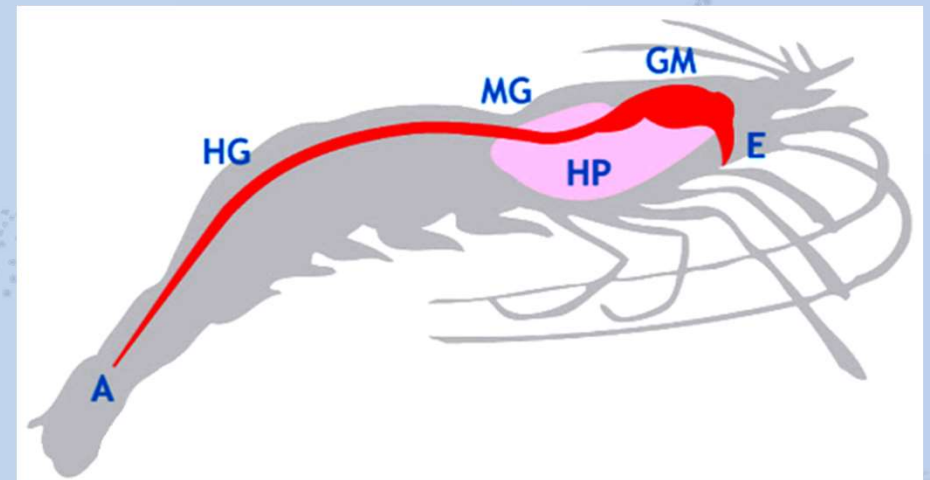
- Action starts before the problem
- Cost of the treatment & monitoring
- Increase productivity & Increase profitability
- **Reduce disease risk & outcome**

**Health, profits**

# THE POWER OF GUT HEALTH

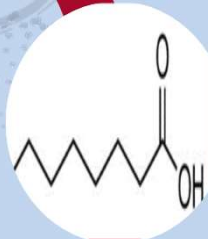
## Promoting gut health to improve:

- ✓ **Performance** = a functional gut is key for optimal digestion and absorption (growth, FCR)
- ✓ **Survival** = gut is main entry port for infections and has a very important role in immune development

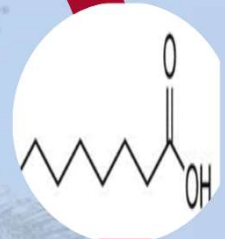


# ADISSEO FUNCTIONAL FEED ADDITIVES

**SANACORE®  
GM**

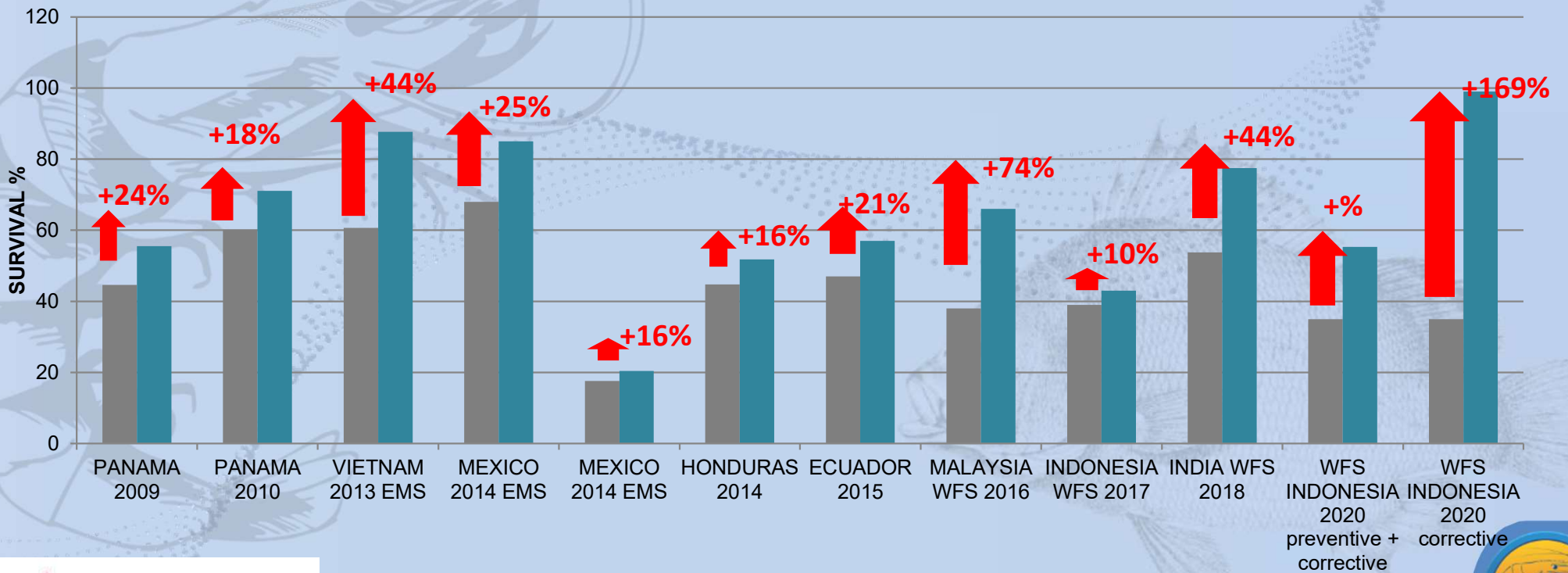


**BACTI-NIL®  
AQUA**



# GLOBAL EXPERIENCIES

## FIELD trials





# FARM TRIAL #1 : Northern P. Malaysia



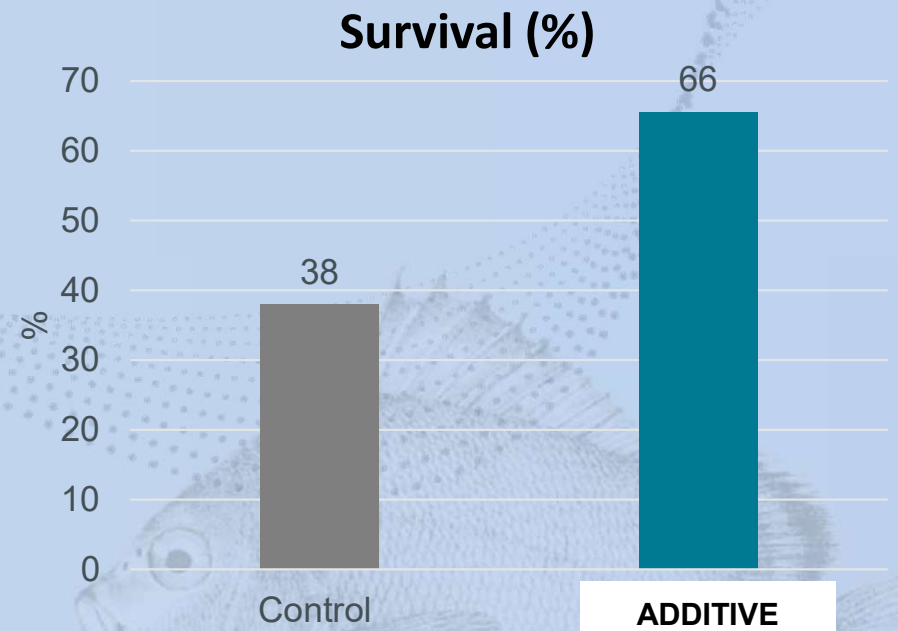
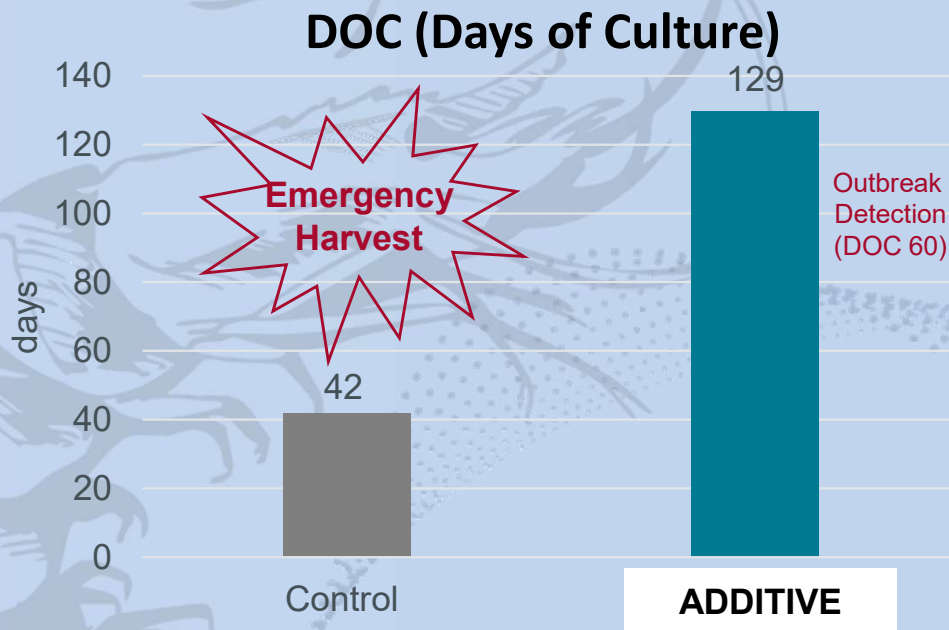


# FARM TRIAL #1 : Northern P. Malaysia

- ✓ Penang, Northern Malaysia
- ✓ History of area : **WSSV, EMS, WFS**
- ✓ Size of ponds : 0.4 Ha (4000m<sup>2</sup>)
- ✓ 2 control vs 4 treatment ponds
- ✓ Stocking density : PL 10-12, 110pcs/m<sup>2</sup>
- ✓ Preventive and corrective application (low and high dose of SANACORE GM applied)

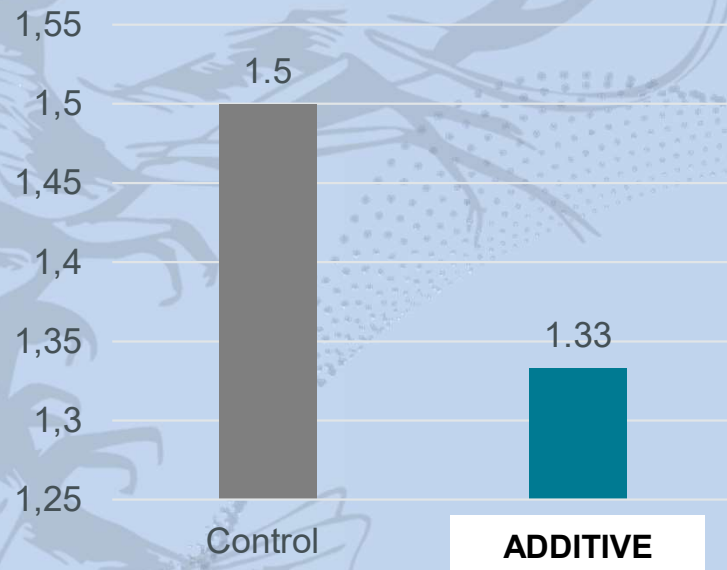


# FARM TRIAL #1 : Northern P. Malaysia

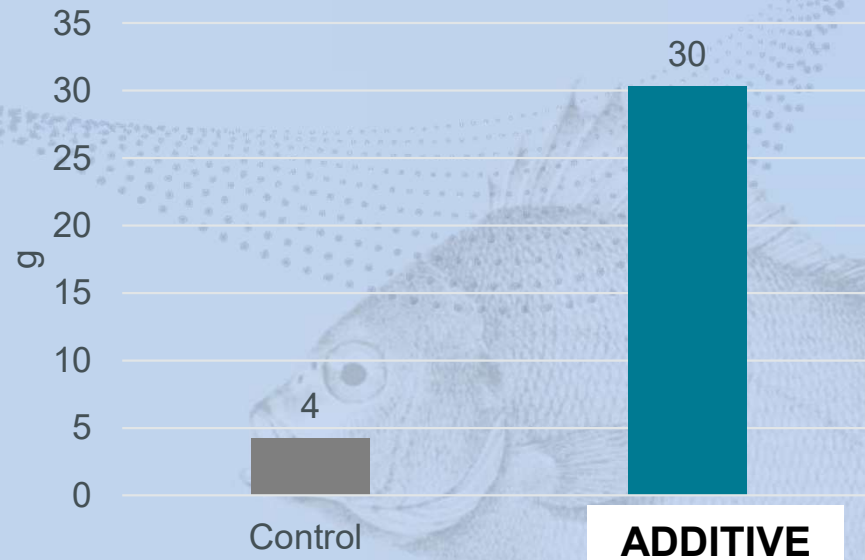


# FARM TRIAL #1 : Northern P. Malaysia

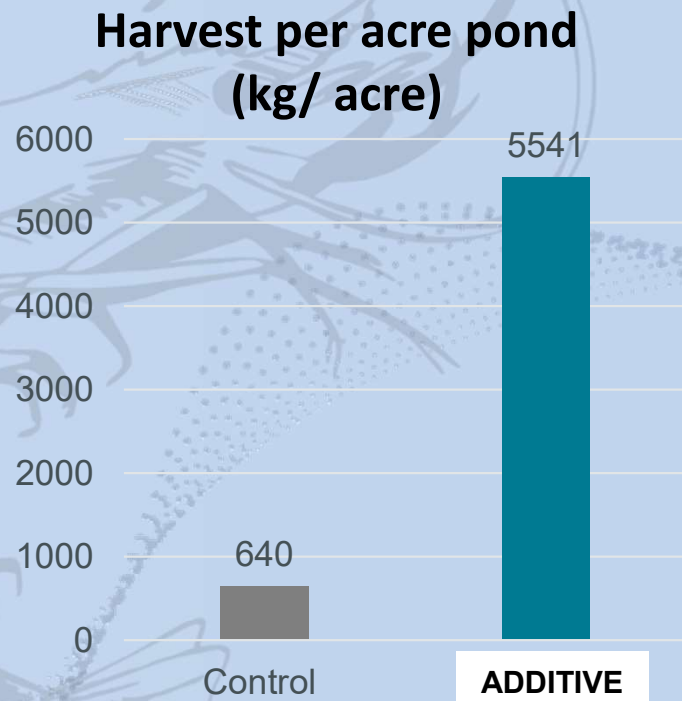
## FCR



## Mean Body Weight



# FARM TRIAL #1 : Northern P. Malaysia



# FARM TRIAL #2: Northern Jakarta, Indonesia

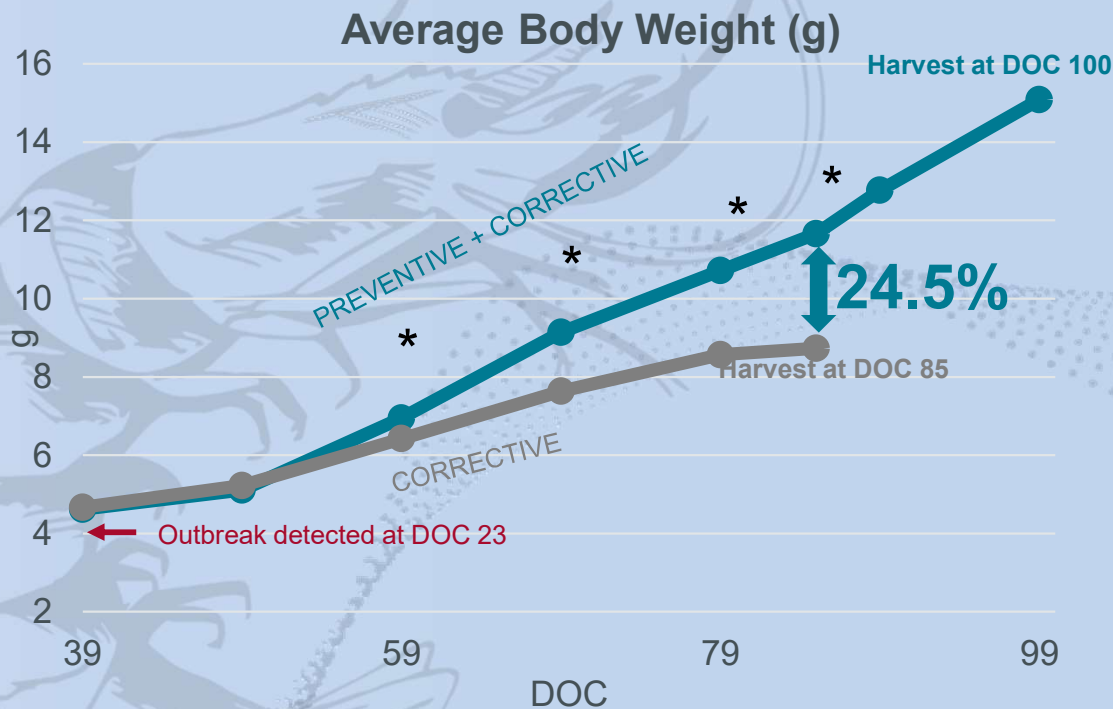


# FARM TRIAL #2: Northern Jakarta, Indonesia



- ✓ Subang-Karawang, Indonesia
- ✓ History of area : **WFS, IMNV** and **WSSV**
- ✓ Failure of previous 2 cycles
- ✓ PL 10-12; Density of 100 pcs/m<sup>2</sup>
- ✓ 3000m<sup>2</sup> ponds
- ✓ 3 control vs 3 treatment
- ✓ Preventive and corrective application (low and high dose of SANACORE GM applied)

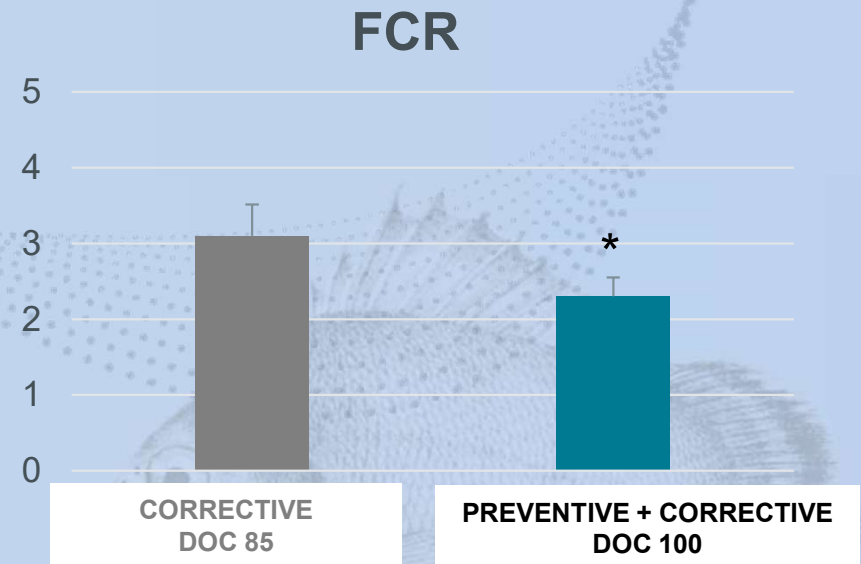
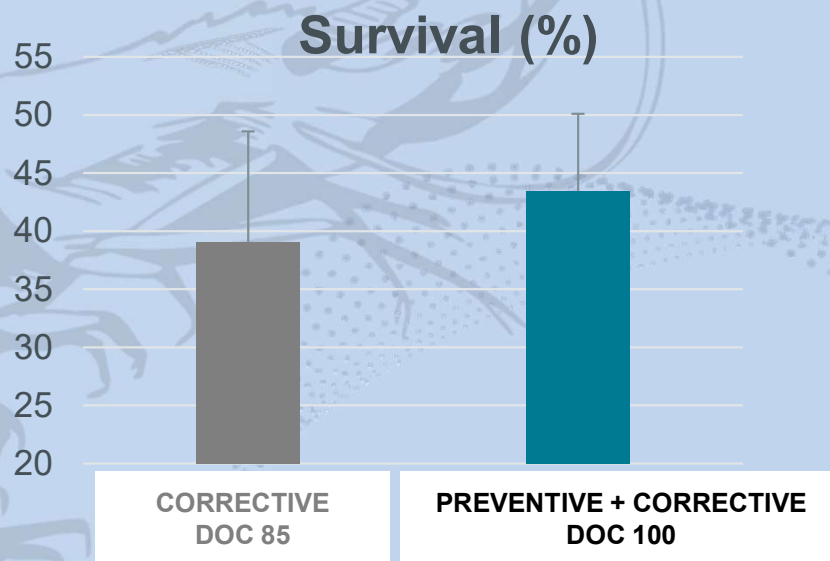
# FARM TRIAL #2: Northern Jakarta, Indonesia



➤ Improved ADG recovery after the outbreak (25% better at DOC 85)

➤ Full harvest of control ponds at DOC 85 due to stunted growth

# FARM TRIAL #2: Northern Jakarta, Indonesia



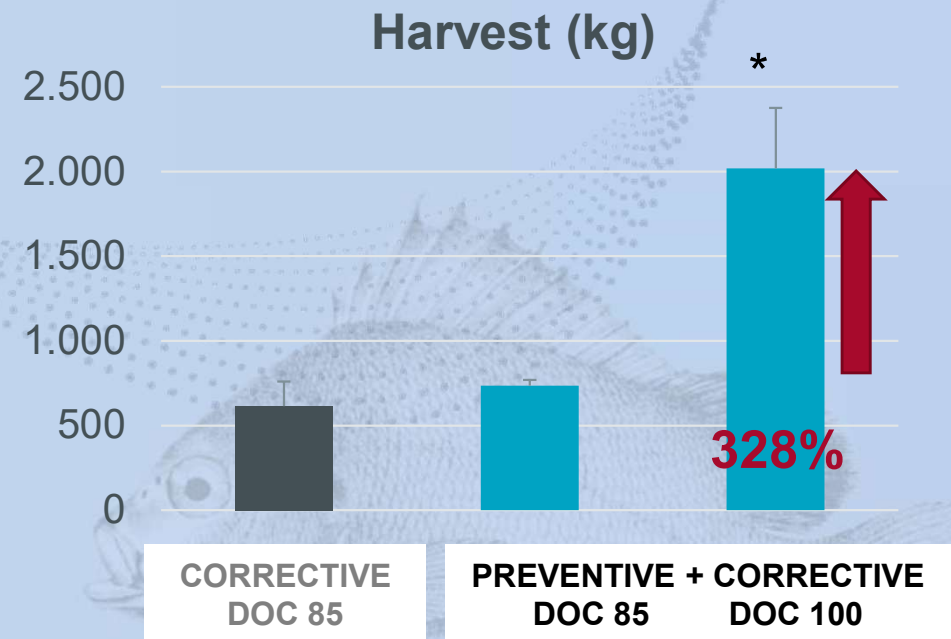
\* denotes significant difference from control ( $p < 0,05$ )



# FARM TRIAL #2: Northern Jakarta, Indonesia

Optimized performance in treatment ponds

- ✓ Increased survival
  - ✓ Reduced FCR
  - ✓ Bigger size class at harvest
- increased **BIOMASS**



# FARM TRIAL #3 : Odisha, India

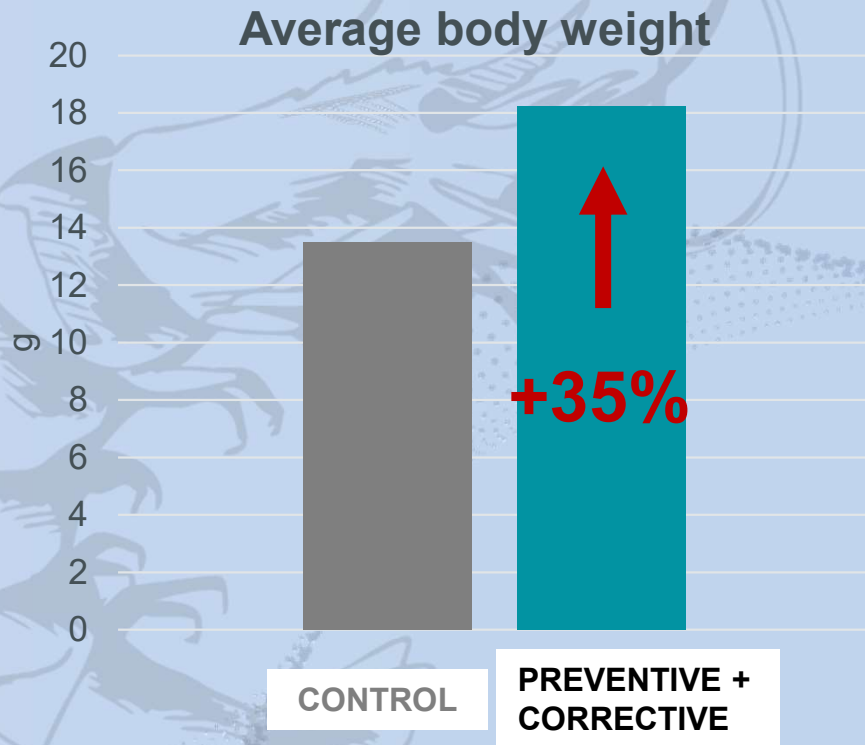


# FARM TRIAL #3 : Odisha, India



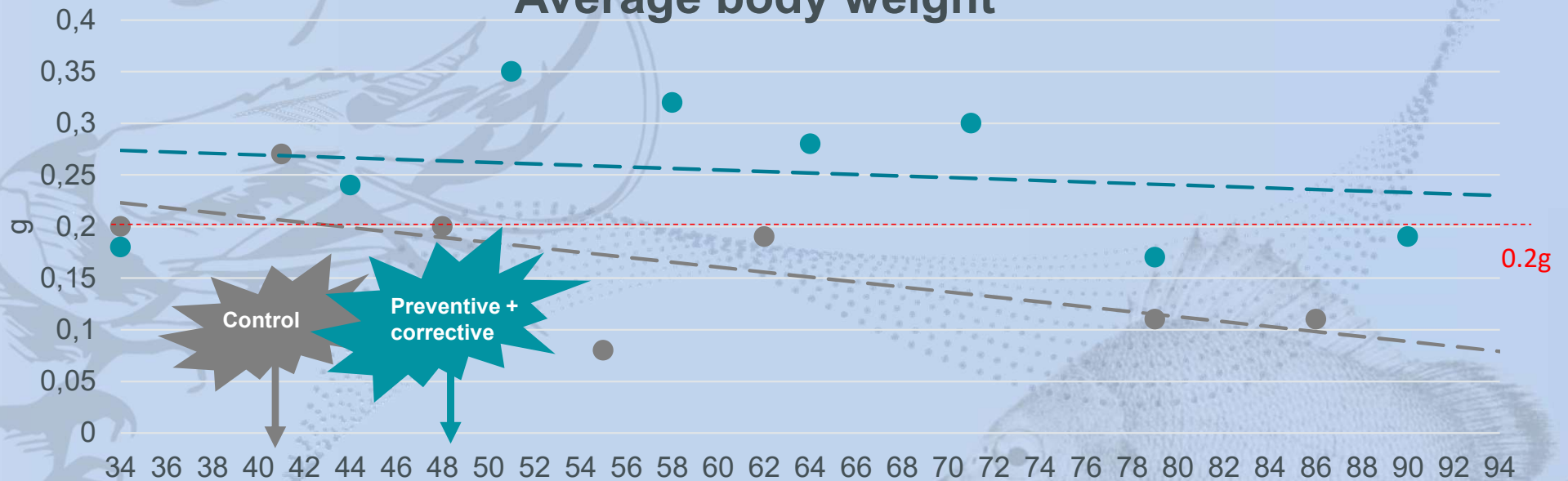
- ✓ Gopal Bore (Bala Sore), Odisha, India
- ✓ History of area : **WFS** and **WSSV**
- ✓ Observing decrease in performance over the cycles
- ✓ Bore-hole brackish water (8-14ppt)
- ✓ PL 10-12; Density of 64-65 pcs/m<sup>2</sup>
- ✓ 0.75 Ha ponds
- ✓ 1 control vs 1 treatment
- ✓ Preventive and corrective application (low and high dose of SANACORE GM applied)

# FARM TRIAL #3 : Odisha, India



# FARM TRIAL #3 : Odisha, India

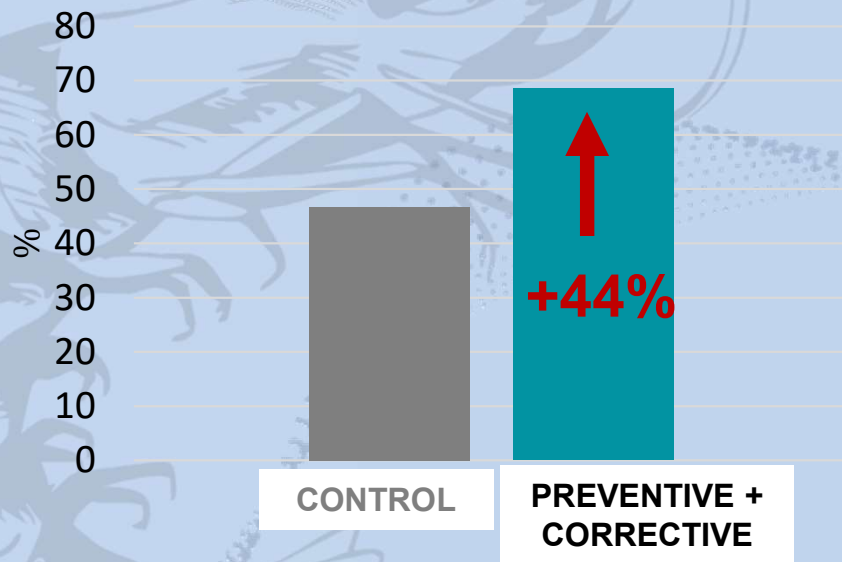
## Average body weight



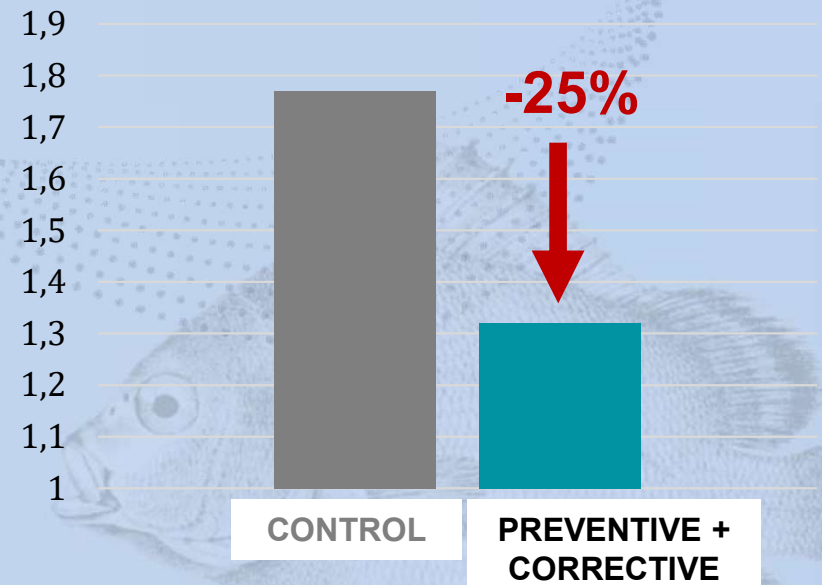
- Both control and treatment pond hit by WFS, **SANACORE GM able to delay** → DOC 41 and DOC 48, and **treatment pond recover faster**
- The use of SANACORE GM helps **reducing the ADG loss due to the disease**

# FARM TRIAL #3 : Odisha, India

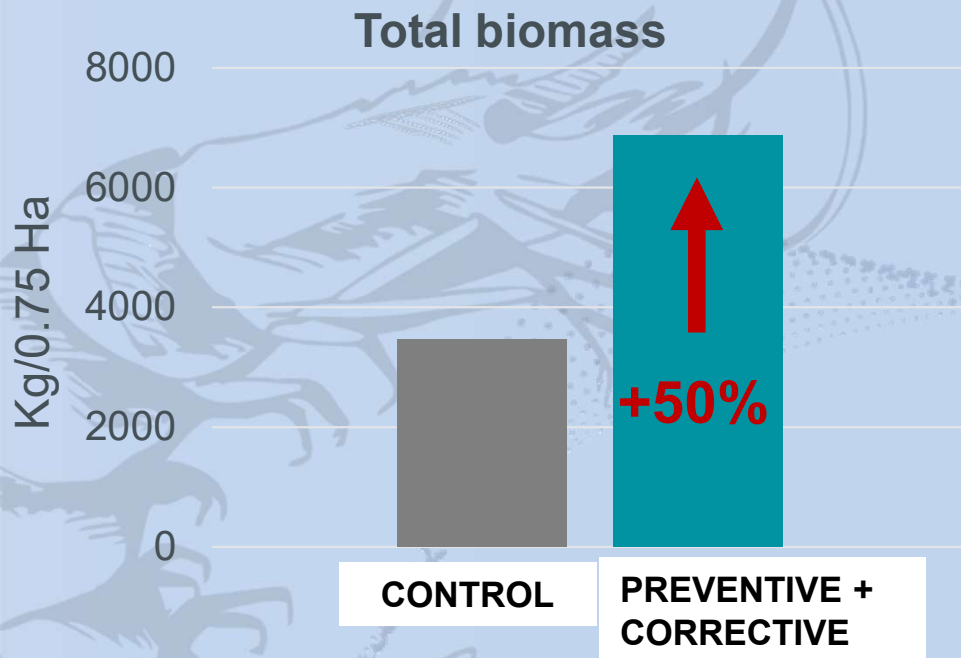
## Survival (%)



## FCR



# FARM TRIAL #3 : Odisha, India



# FARM TRIAL #4: Southern Sumatra, Indonesia



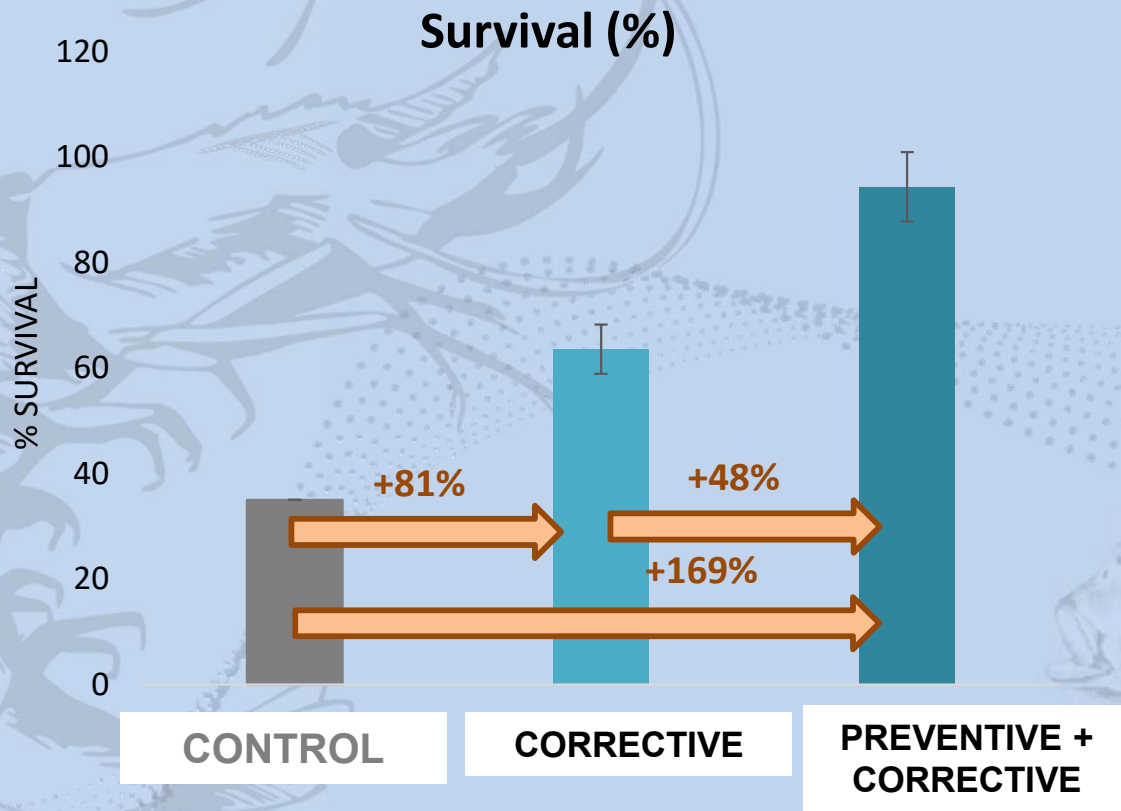


# FARM TRIAL #4: Southern Sumatra, Indonesia

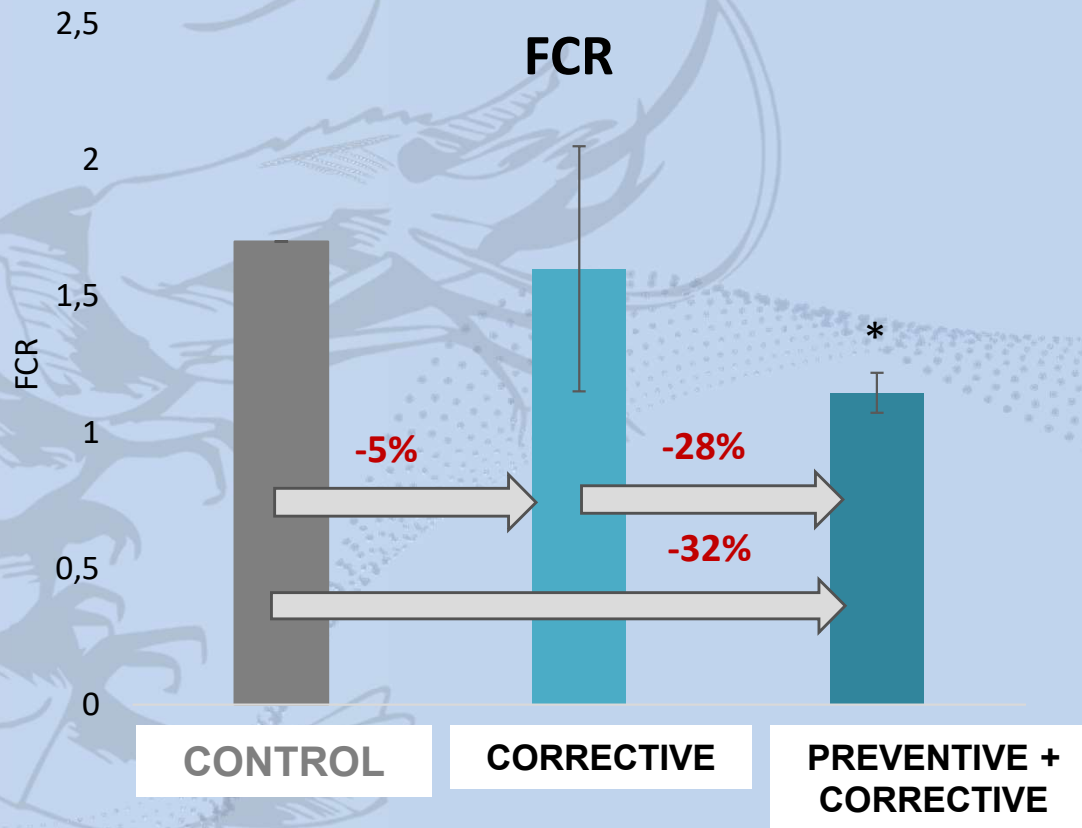
- ✓ Lampung, Sumatra, Indonesia
- ✓ History of area : **WFS, WSSV, EHP**
- ✓ Last 4 crops max 50% survival
- ✓ PL 10-12; Density of 100 pcs/m<sup>2</sup>
- ✓ 1000m<sup>2</sup> ponds, 2 blocks of 10 ponds
- ✓ 20 control vs 10 corrective treatment vs 10 preventive + corrective treatment of SNGM



# FARM TRIAL #4: Southern Sumatra, Indonesia



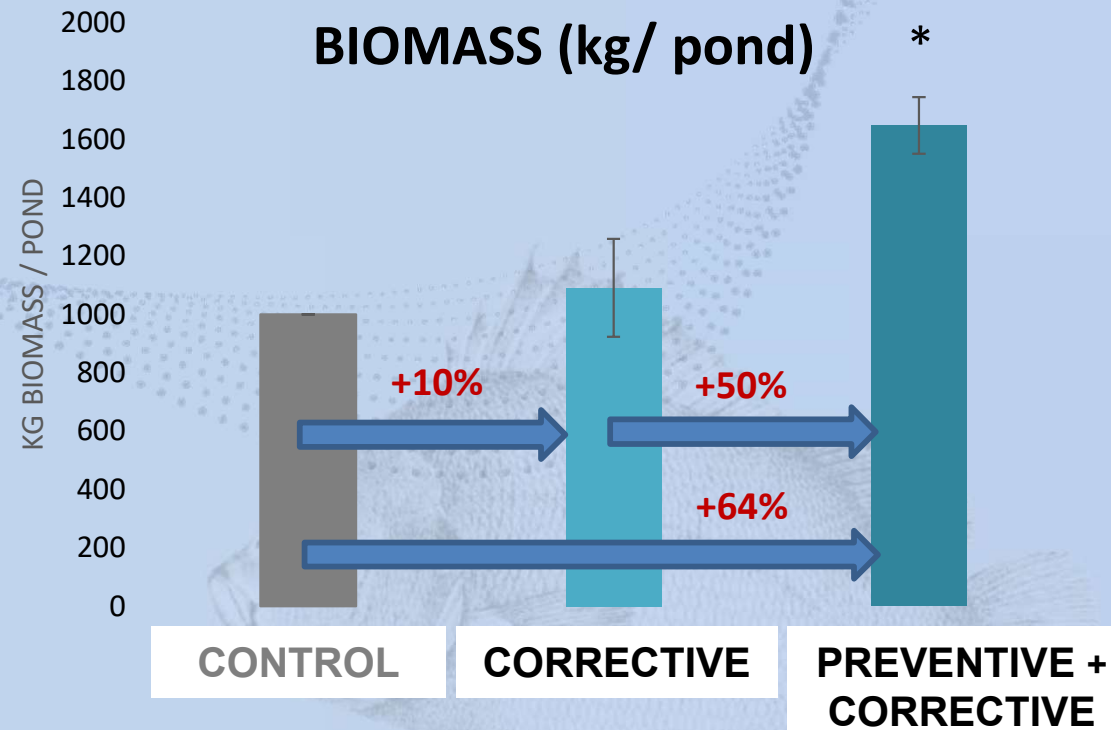
# FARM TRIAL #4: Southern Sumatra, Indonesia



# FARM TRIAL #4: Southern Sumatra, Indonesia



	corrective	preventive + corrective
ROI	18	40





# ADISSEO HEALTH PROGRAMS

- **Easy** to deliver –added at the feed mill via the mixer
- **Gut health** enhancement
- **Wide** spectrum: Increased **resistance** to disease & stress
- **Adapted** to every species – region – season needs
- Application: **Preventive & Corrective**



<https://aquaevent-by-adisseo.com/en>



the new **BLUE** is **GREEN**

**AQU@EVENT 2**

November 23, 2021

**ADISSEO**  
A Bluestar Company

The banner features a dark blue background with a glowing green water droplet on the left containing a green molecular structure. Below the droplet are two small blue fish icons. The text is in white and green, with the Adisseo logo in white on the right.

