



+ Kg



+ Profit



Eco
Friendly



Tested



AquaCARE

SHRIMP & PRAWN

AquaCARE is a noble yeast-based specialty tailored for aqua.

Essential for early stages and challenging conditions, AquaCARE improves animals' performance, bolsters disease resistance, supports microbiota balance, and boosts antioxidative status.

WHEN AND WHY?

EARLY STAGE
SHRIMP & FISH

PRE&POST
HANDLING

CHALLENGING
ENVIRONMENT

DISEASES
AND STRESSORS

LOW FISH
MEAL DIETS

IMPROVED
GROWTH

FASTER
RECOVERY

OXIDATIVE
STRESS
RELIEF

ENHANCED
IMMUNE
RESPONSE

ANTI
INFLAMMATORY
GENE
EXPRESSION

 prosol-spa.it

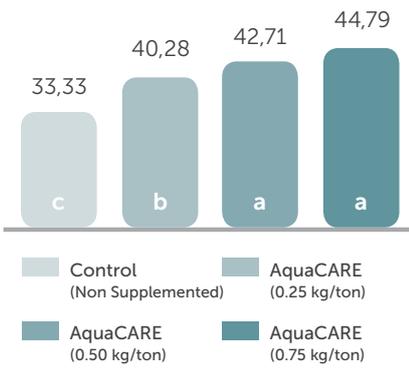
Boosting Health

Due to the fine-tuned balance between free nucleotides and nucleic acids (RNA) in **AquaCARE**, shrimp fed with increasing levels of supplemented diets exhibited a statistically significant linear response in immune system stimulation and oxidative stress relief



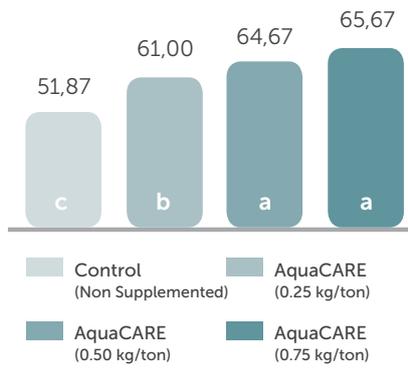
ANTI-OXIDANT ENZYME (SOD)

Superoxide Dismutase Activity (SOD) (% inhibition)



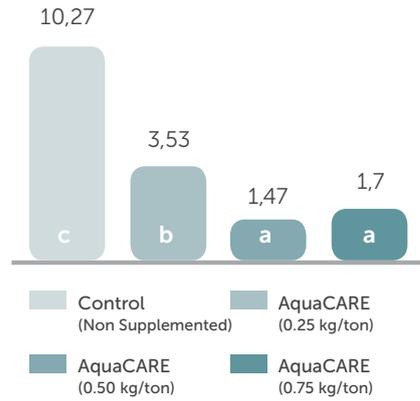
PHAGOCYtic ACTIVITY

Phagocytic activity (%)



VIBRIO SPP. COUNT (INTESTINES)

Total *Vibrio spp.* count Intestines (10² CFU/g)



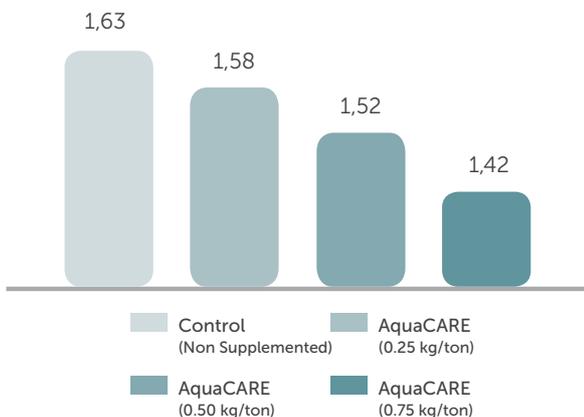
Boosting Performance

From PL12 to young juvenile, shrimp fed **AquaCARE**-supplemented diets demonstrated enhanced growth and **improved feed utilization** throughout the grow-out phase.

When exposed to a specific strain of *Vibrio parahaemolyticus* causing AHPND, shrimp fed **AquaCARE**-supplemented diets exhibited significantly **higher survival rates** compared to the control group.

At inclusion levels of 0.25 kg/ton, 0.5 kg/ton, and 0.75 kg/ton, the shrimp showed notable improvements in robustness and disease resistance, leading to **survival rates** that were **28.67%, 49.0%, and 51.0% higher**, respectively, than the control.

FCR



Shrimp Survival after Bacterial Challenge *Vibrio parahaemolyticus* (AHPND)

