

OREGO-STIM PLUS AS SUPPORTS OPTIMAL SHRIMP HEALTH AND PERFORMANCE

SUMMARY

- ✓ Using Orego-Stim Plus AS in shrimp feed improved shrimp growth and survival.
- ✓ Orego-Stim Plus AS is a high quality eubiotic comprised of 100% natural oregano essential oil and saponins.
- ✓ Orego-Stim Plus AS is a cost-effective, natural solution to supporting shrimp health and performance in the absence of antibiotics, reducing production costs by 28.1%.



COMMERCIAL STUDY DESIGN

A commercial study was conducted at a large shrimp farm in Mexico to assess the suitability of Orego-Stim Plus AS in supporting shrimp health and performance. The study was conducted over a 119-day period. Shrimp (*L. vannamei*) were fed Orego-Stim Plus AS (OS+) at 6kg/tonne for the first 70 days. After which, data on shrimp growth performance was collected for an additional 49 days. Shrimp from two ponds were fed a standard diet supplemented with OS+, whereas shrimp from two other ponds were fed the standard diet with no additives (Control). Shrimp were not specifically challenged and observed mortality occurred under standard production conditions. Shrimp weight, total pond biomass, feed efficiency and survivability were assessed and results were averaged.

RESULTS

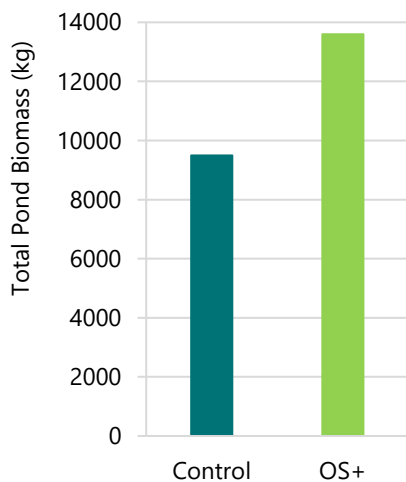


Figure 1. Average total pond biomass (kg) after 119 days.

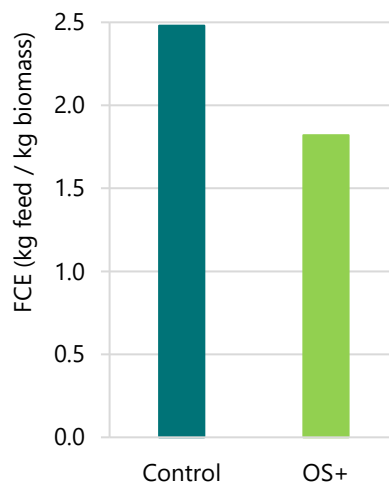


Figure 2. Average feed conversion efficiency (FCE) (kg feed/ kg biomass) after 119 days.

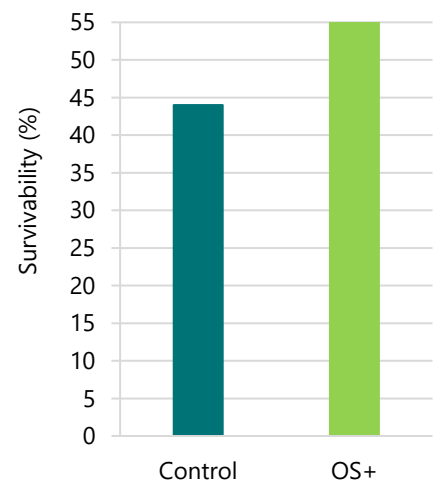


Figure 3. Average survivability (%)

The addition of Orego-Stim Plus AS to shrimp feed resulted in:

- ✓ A 12.2% improvement in final shrimp weight.
- ✓ A 43.2% improvement in total pond biomass weight (Fig. 1).
- ✓ A 26.5% improvement in feed efficiency (Fig. 2).
- ✓ A 25% increase in survivability (Fig. 3).
- ✓ No apparent symptoms associated with Early Mortality Syndrome (EMS) or Acute Hepatopancreatic Necrosis Disease (AHPND).
- ✓ A **28.1% reduction in production costs** compared to the control.

The study demonstrates that Orego-Stim Plus AS is a cost-effective, natural solution to help maintain and support optimal shrimp health and performance whilst maximising profitability.

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