

ADM's Full Pantry of Aquaculture Products

Tailor-made feed solutions & services for common challenges you're facing.

Stressed fish are more susceptible to disease.

Common stressors in aquaculture operations:

- Physical stressors

INJURIES, TRANSPORT, SORTING, VACCINATIONS, EXPOSURE TO HYPOXIA, UNDESIRABLE WATER QUALITY

- Chemical stressors

PRESENCE OF A XENOBIOTIC IN THE WATER

- Biological stressors

INFECTIOUS ENVIRONMENTS

Impact of stressors:

- Compromised health
- Reduced performance

Many of these events happen at juvenile stages, where the effects are amplified.

To combat these challenges, customized ADM Feeds, Feed Additives, Premix and Services were developed to help juvenile tilapia better cope with such stress.

A large field trial in ADM Brazil R&D facilities showed significant results after 4 weeks distribution:

+23%

BIOMASS GAIN

-13% FCR

(FEED CONVERSION RATIO)

+11%

ERYTHROCYTES

+22%

ALBUMIN BLOOD CONCENTRATIONS

With a statistically significant **5% higher body weight** at harvest 6 months later, after only 4 weeks distribution of special feed at juvenile stage.

These ADM Feeds, Feed Additives, Premix and Services were then applied to a main tilapia producer in Brazil looking to reduce their use of antibiotics.

100%

Antibiotic Reduction

100% stoppage of antibiotics as a preventive practice.

**BAP
AWARD**

BAP Certification

This allowed them to earn BAP (Best Aquaculture Practice) Certification, opening new markets for sales.

Antibiotic Resistance Decreased

Additionally, antibiotic resistance has dramatically decreased.

All in all, ADM Feeds, Feed Additives, Premix and Services help fish producers:

- Improve their farm management practices and performance

- Reduce their reliance on antibiotics and chemicals

- Lower antimicrobial resistance

- Decrease their impact on the environment

Get started with customized ADM Feeds, Feed Additives, Premix and Services and **gain healthier, bigger fish at harvest.**



Let's Collaborate.
adm.com/aqua-solutions