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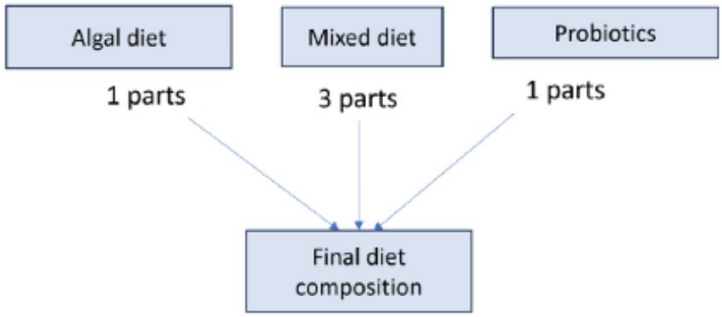
PENDING

(IN202411074161) A diet composition for tachypleus gigas and method of preparation



NEED

A balanced and nutritious diet is critical for the rapid growth of Tachypleus gigas (giant horseshoe crab) juveniles. This invention offers a specially formulated diet that accelerates their development for sustainable aquaculture.

MARKET ANALYSIS

The global aquaculture market is expected to grow at a CAGR of 5.7% from 2023 to 2033, driven by demand for sustainable seafood and innovations in fish and shellfish farming technologies. (Source: Grand View Research, 2023)

TECHNOLOGY OVERVIEW

This diet composition combines animal-based, plant-based, algal-based, and probiotic components to promote optimal growth of second instar juveniles of Tachypleus gigas. It incorporates scientific methods of preparation such as freeze-drying and sterilization for maximum nutritional value.

Target Industries

1) Aquaculture feed manufacturers; 2) Biotechnology firms focusing on sustainable aquaculture; 3) Marine biology research and conservation institutions.

TECHNOLOGY KEY FEATURES

Specialized diet mix; optimal growth formulation; use of probiotics and algae; scientifically designed preparation method; freeze-drying and sterilization for quality.

AT A GLANCE

- SDG 14 (Life Below Water), SDG 12 (Responsible Consumption and Production)

Read more here

Technology is available for licensing/ co-development.

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