

# POULTRY Health & Egg Value reinvented

## Vegan DHA Solutions for Smart Nutrition

Poultry Feed Supplements



Our Certifications &  
Compliance Standards



## Our Introduction

CFS-AlgalR offers vegan DHA solutions to enhance poultry health and value addition on eggs and egg productivity. Our microalgae biomass support immunity, egg quality, and fertility—without marine contaminants and odor.

**CFS-AlgalR**  
Redefining Poultry Wellness  
through Algal Innovation



Enhancing egg value  
through functional  
nutrition.



Supporting immune  
health, productivity, and  
reproductive performance.



Promoting clean-label  
formulations free from  
marine residues and  
synthetic additives.

CFS-AlgalR connects innovation with animal wellness, ensuring poultry producers achieve superior yield quality while supporting environmental and market sustainability.

# Product Spotlight

**Biosus Omega20**  
Poultry Feed Supplement

Algal-based innovation crafted for sustainable poultry productivity

## Product Overview

Biosus Omega20 is a premium vegan DHA supplement derived from nutrient-rich microalgae. It helps enrich the DHA content in egg yolks, improve shell strength, and enhance overall flock vitality.

## Key Highlights

Premium algal-derived DHA for poultry feed

Elevates DHA concentration in eggs

Enhances reproductive efficiency and hatchability

Strengthens immunity and resilience

Improves flock performance and laying consistency

## Formula Benefits

Algal-Based Omega 3

Sustainable Microalgae Source

Easy Feed Integration

DHA Yolk Enrichment

Immune Support

Marine-Free

Antibiotic-Free

Long Shelf Life

Clean Label

## Product Details

HSN for Biomass	Shelf Life	Current Capacity
21022000	12 Months	10 MT Biomass/day

## Product Conformity

Category	Details
Conformity	FCC, JECFA, and EU specifications
CFR Compliance	21 CFR Part 573.615 – Marine microalgae (approved feed additive) and 21 CFR Part 117
Manufacturing Standard	Registered human food supplement facility licensed under FSSAI
Handling & Storage	Compliant with U.S. federal food safety and hygiene laws
BSE/TSE Status	No animal-derived ingredients used
ISO Certification	FSSC 22000:2018 (Version 6) certified facility



## Product Forms

### Biosus Omega20

Available in 3 Convenient Feed Forms

For seamless inclusion in all types of poultry operations, Biosus Omega20 Poultry Feed Supplement is offered in pellet, crumble, and mash formulations—compatible with diverse feed systems.



#### Crumbles

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- Perfect for layer and breeder diets.
- Provides moderate particle size with optimal palatability.
- Enhances nutrient digestibility and bird consumption uniformity.



#### Mash Form

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- Easy to blend with other feed ingredients.
- Maintains full DHA integrity and microalgae stability.
- Best suited for small and mid-size farms using custom rations.



#### Pellet Form

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- Ideal for commercial feed mills and integrators.
- Ensures uniform distribution and consistent DHA content.
- Reduces feed wastage and nutrient segregation during handling.

Each form is prepared under controlled conditions, ensuring stability, freshness, and high bioavailability of DHA for maximum flock absorption and performance.

# Poultry Health Benefits

## Fuel Poultry Wellness Naturally

Biosus Omega20 Poultry Feed Supplement delivers more than just nutrition. It works as a complete health enhancer that strengthens immunity, reduce oxidative stress and extends production longevity.

### Health and Performance Gains



Reinforces immune defense and disease resistance.



Delivers antioxidant and anti-inflammatory support.



Improves feed conversion efficiency during peak stress and laying cycles.



Promotes stronger shell quality and improved hatch rates.



Biosus Omega20 helps build a robust foundation for poultry productivity-supporting consistent egg output, fertility, and vitality across all breeds.

# | Egg Value Addition

## Value Addition for Smart Nutrition and Market Advantage

Every egg laid under a Biosus Omega20 Poultry Feed Supplement program gains measurable nutritional value and market appeal.

### Egg Enrichment

Boosts DHA levels in egg yolks, providing naturally enriched, functional table eggs for nutrition-conscious consumers.

### Shell Strength and Freshness

Improves eggshell density and oxidative stability, reducing breakage losses and extending shelf life during storage or transport.

### Market Insight

DHA-enriched eggs command premium pricing in health-oriented and export markets. With Biosus Omega20, producers can achieve label claims aligned with clean, sustainable, and traceable nutrition.

### DHA enrichment in Eggs

A profitable value addition in Poultry Farming



## | Supplementation of DHA to Layers (Value-Addition)

**Supplementation of DHA provides significant health benefits to birds with commercial importance**

Reducing the mortality rate by 10%

Increased the size of the egg by 5%

Increased the egg-laying productivity by 10%

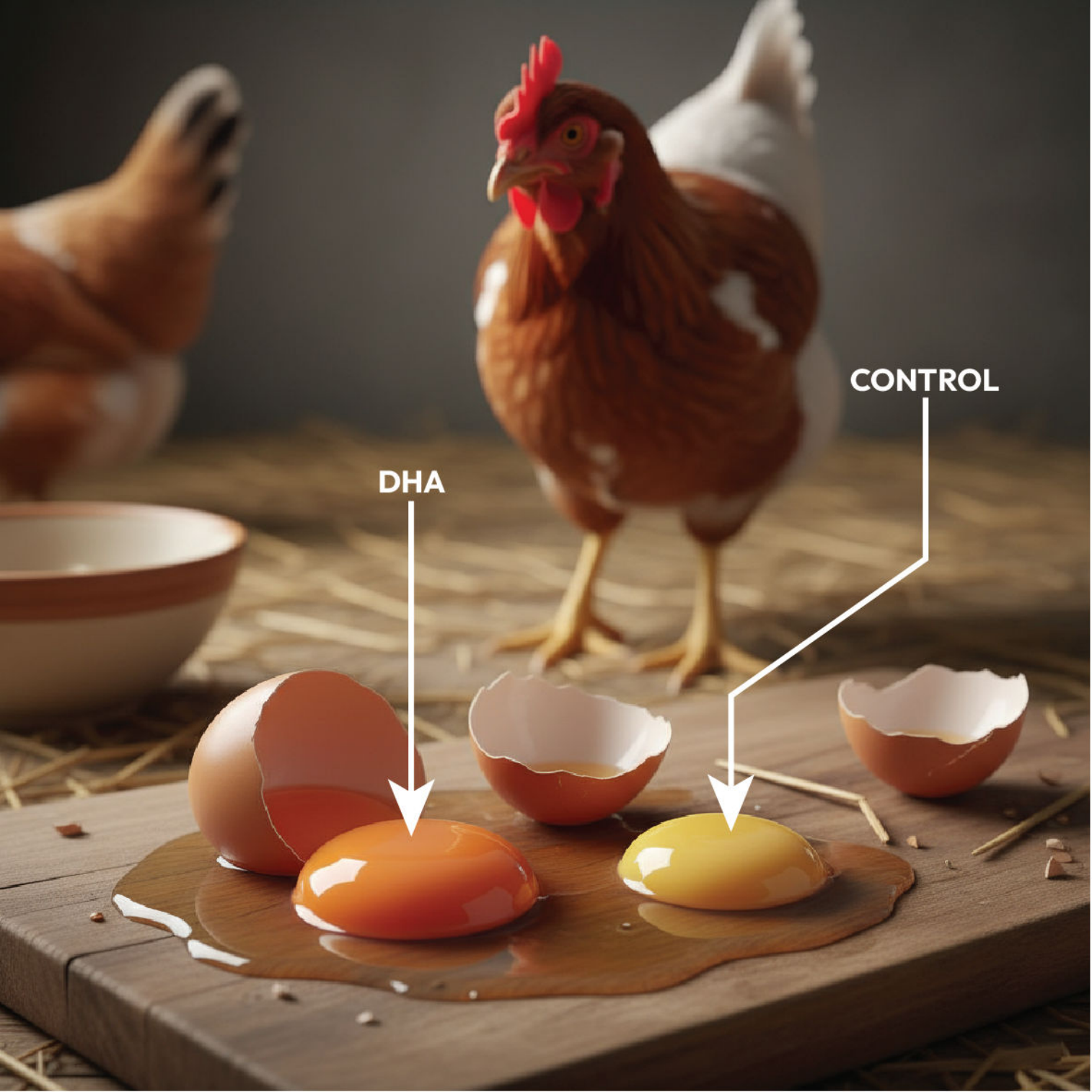
Improved the color of the yolk

Accumulated 73% of fed-DHA into yolks

Increased profitability of farming



Based on our experimental trials



DHA

CONTROL

## Breeder & Sustainability Benefits

### Performance, Reproduction, and Sustainability in One Solution

Biosus Omega20 Poultry Feed Supplement supports breeder flock performance while reducing ecological footprints.

### Sustainable Production Promise

100%

100% algal-based DHA grown in closed, controlled bioreactors.



Zero marine dependence—protecting ocean ecosystems.



Solvent-free processing for clean-label assurance.



Manufactured under strict certified standards ensuring traceability and quality.

Biosus Omega20 ensures easy integration into any poultry feed matrix, maintaining flavor neutrality while promoting measurable results.

## Packing & Transport Standards

Packaging Type	Capacity	Material	Product Type	Use Case
HDPE Drums	20 kg	HDPE with LDPE Liner	DHA Biomass	DHA Biomass Packaging

Mode of Transport	Condition	Application
By Sea	Reefer containers at +4°C	Standard bulk shipments
By Air	Minimum shipment < 100 kg (urgent need only)	Upon customer requests/ emergency supply

### Key Compliance Points

All packing meets food-grade safety standards.

Traceability ensured from packaging to delivery.



## Frequently Asked Questions

### How much fish oil can be replaced?

Biosus Omega20 Poultry Feed Supplement can fully replace marine or fish oils, offering equivalent DHA enrichment with better oxidative stability and zero odor.

### What makes it better than fish oil?

Consistent DHA quality, contaminant-free composition, and no fishy smell—designed for clean-label feeds.

### Is it safe for all poultry breeds?

Yes. It is extensively tested and safe for layers, broilers, and breeders alike.

### Can this product be used as a replacement for flaxseed?

Yes, it can replace flaxseed. While flaxseed contains ALA (alpha-linolenic acid), which is an omega fatty acid with limited health benefits, DHA offers scientifically proven advantages for both human and animal health.

### Does it help reduce antibiotic dependence?

Yes. By supporting gut health and immune defense, it can naturally minimize the need for antibiotic interventions.

### Can DHA enrichment be customized?

Absolutely. Our formulation team tailors inclusion levels based on your desired DHA target in eggs.

#### Factory

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