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Aquafeeds

TCFFI, Cargill partner to develop better feeds for RAS salmon

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By Responsible Seafood Advocate

Multi-year agreement extends past 2023

U.S. land-based aquaculture research center The Conservation Fund's Freshwater Institute is partnering with a world-leading animal feed company to develop optimal feeds for Atlantic salmon raised in recirculating aquaculture systems (RAS).

Cargill, a global leader in terrestrial and aquatic animal feeds, and TCCFI have signed a multi-year agreement to develop, evaluate and enhance feeds for the growing RAS sector.

"Our customers want the best nutrition possible. Partnering with the Freshwater Institute has provided key access to capabilities but more importantly to renowned thought leaders in land-based aquaculture production and thus, important to the advancement of science in this strategic growth area," said Dr. Marc Turano, nutrition and technology lead for Cargill Aqua Nutrition in North America.

Working together since 2018, the two groups have recently validated the effectiveness of Cargill's new diet for RAS salmon; this new agreement solidifies the collaboration through 2023 and beyond.

TCFFI provides Cargill nutritionists and researchers with access to fish, systems, research facilities and its team of scientists, engineers and fish culturists with decades of land-based aquaculture experience. Cargill provides advanced diet development and aquaculture feeds to optimize fish performance.

Salmon diets for RAS operations need to support fish health and performance and facilitate good water quality, says Dr. John Davidson, a research scientist at TCFFI. Photo courtesy of TCFFI.

“Diets developed for use in RAS should support optimal fish health and performance while facilitating good water quality and system operation,” said Dr. John Davidson, a research scientist at TCFFI. “For example, feeds like Cargill’s recently developed EWOS Clear for land-based salmon farming produced settleable solids in recent research trials that were effectively removed from the recirculating flow, thereby improving the fish culture environment and overall RAS operation.”

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Author

RESPONSIBLE SEAFOOD ADVOCATE

editor@globalseafood.org (mailto:editor@globalseafood.org)