SYLPRO

Summary of Aquaculture Study Results

Superior Sustainable Protein Ingredient for Aquaculture

SylPro® is a protein-rich ingredient produced from wood via fermentation. It is a yeast single cell protein that is globally-approved as a feed and food ingredient. SylPro is an excellent protein source thanks to its balanced amino acid profile, high protein content, and high digestibility.

Hybrid Striped Bass Trial Results

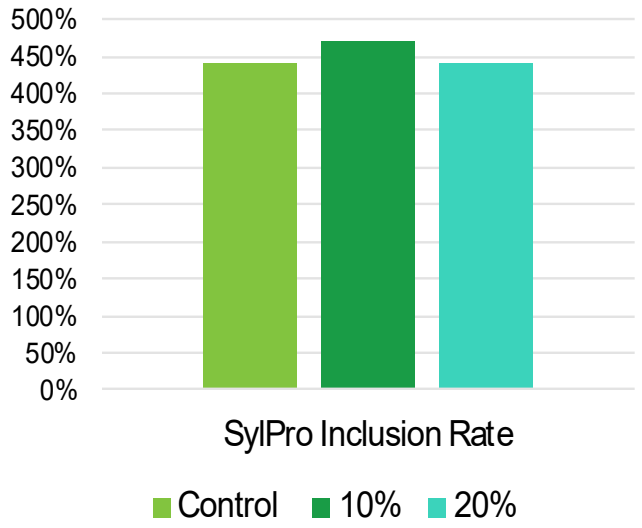
- Results showed no difference in mortality or feed intake across all diets
- No statistical difference between treatments in body weight gain or feed intake up to the 20 percent inclusion of SylPro

Atlantic Salmon Trial Results

- Results showed no difference in mortality or feed intake across all diets
- No statistical difference between treatments in body weight gain or feed intake up to the 20 percent inclusion of SylPro

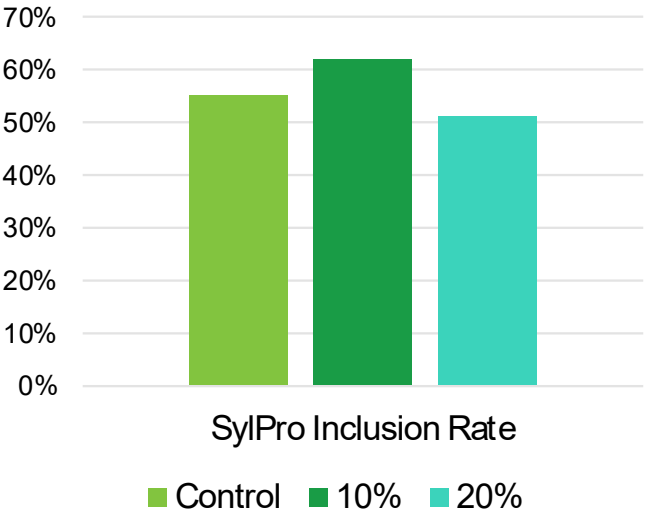
SYLFEED has received funding from Bio Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation program under grant agreement N°745591.

SylPro Performance in Hybrid Striped Bass (% Body Weight Gain)



The hybrid striped bass trial was conducted at Texas A&M University over a period of 60 days.

SylPro Performance in Atantic Salmon (% Body Weight Gain)



The atlantic salmon trial was conducted at the Matis Research Institute over a period of 35 days within the SYLFEED project.

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Summary of Aquaculture Study Results

SylPro is a nutritional alternative protein source offering several key benefits:

- High-protein content
- Balanced amino acid profile
- High digestibility
- Excellent performance in extrusion
- Traceable production process
- Safe and consistent quality

The limiting amino acids in animal production are generally lysine, methionine, threonine, tryptophan and branch chain amino acids, in some order. SylPro is a great source of all of these key amino acids. SylPro offers superior nutritional value, consistent quality, and complete traceability as an alternative protein source.

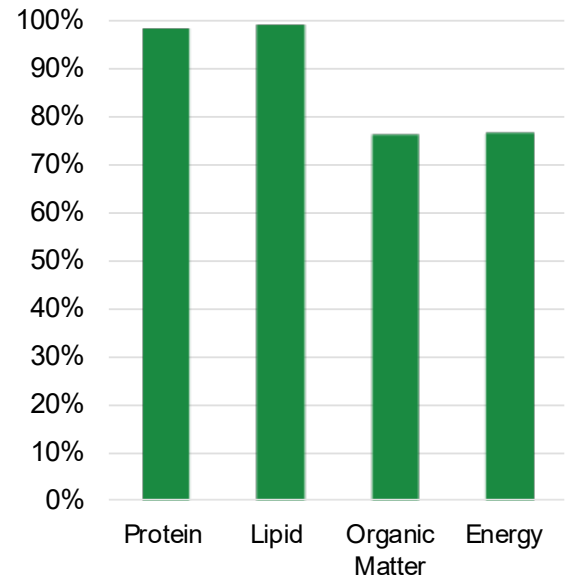
Comparison of Physiochemical Properties: SylPro and Conventional Protein ingredients

	SylPro	Fish meal	Soy Protein Concentrate
Bulk Density (g/cm3)	**0.76**	0.56	0.50
Hausner ratio	**1.13**	1.15	1.11
Angle of Repose (°)	**14.5**	53.3	51.9

Regulatory Information

- **International Feed Number:** 7-05-534
- **US:** AAFCO 96.7; FDA 21 CFR Part 172.896
- **EU (EC):** No 68/2013: 12.1.5
- **CAN:** Schedule IV, 7.2.6

Apparent Digestibility of SylPro in Hybrid Striped Bass



Recommended Application

SylPro is an excellent protein source for use in aquaculture feeds, with its high digestibility and enhanced amino acid profile. The recommended inclusion rate is up to 20%.

Wood to Food Process

Arbiom's bioconversion process integrates pre-treatment, enzymatic hydrolysis and fermentation of a microorganism which is then dried to a high-protein powder: SylPro.

*Additional Sources Available Upon Request

CONTACT ARBIOM to learn more about SylPro for your animal nutrition needs and partnership opportunities.

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