

Newsletter

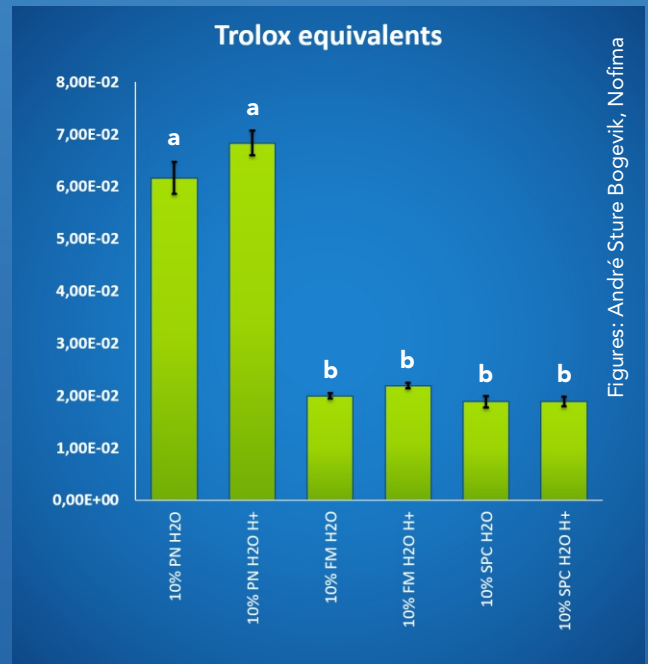
First physical meeting of the Millennial Salmon consortium in Paris, January 2023, hosted by the insect meal producer partner Innovafeed



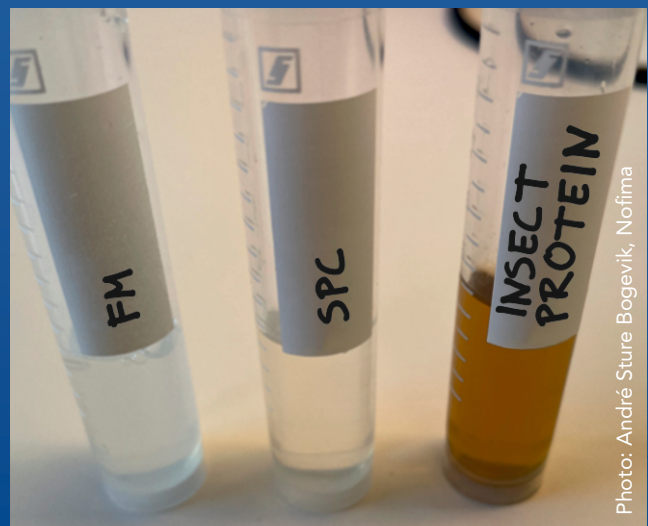
Reidun Lilleholt Kraugerud, project communication lead (Nofima), watching freshly hatched *Hermetia illucens* larvae.

Photo: Innovafeed

What is new?

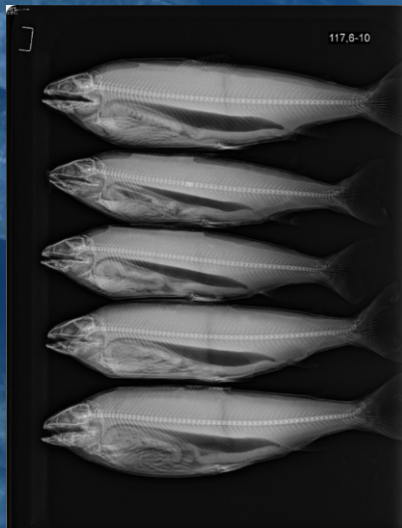


We tested the antioxidant activity of Innovafeed's black soldier fly larvae meal product (Insect Proteins, Hilucia™): The insect meal (PN H2O and PN H2O H+ samples) exhibited significantly stronger antioxidant activity as compared to soy protein concentrate (SPC) and fish meal (approximately 3 times higher).



Fish welfare

We also tested the role of different dietary black soldier fly larvae (BSFL) meal fractions (F1, F2, F3) on salmon welfare indicators, such as deformities, and found no statistically significant effects.



Nofima's experimental tank facilities at Sunndalsøra, Norway.

	Dry matter digestibility	Protein digestibility	Lipid digestibility
Control	77 %	93%	96%
BSFL cake	78 %	92%	96%
Cake+F 1	79 %	93%	97%
Cake+F 2	79 %	92%	97%
Cake+F 3	78 %	92%	97%
P-value	0.161	0.158	0.191

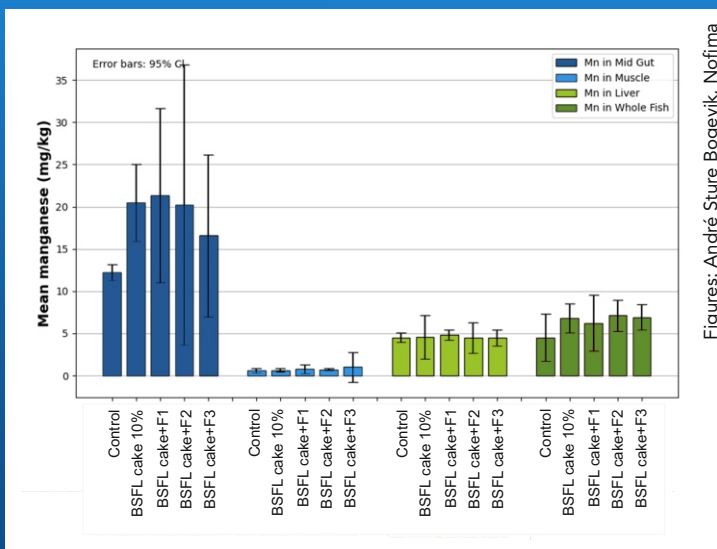
Figures: André Sture Bogevik, Nofima

Performance results

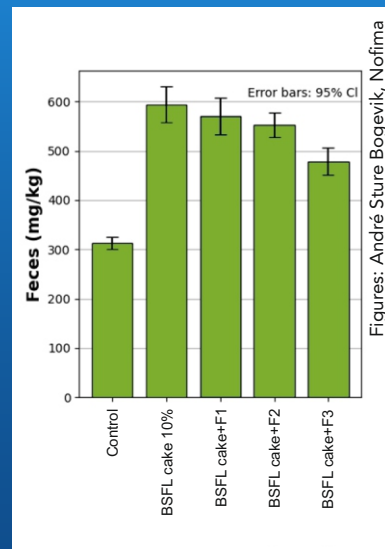
High apparent digestibility values for dry matter, protein and lipids in diets containing 10% black soldier fly larvae meal, both for the cake and the cake + BSFL fraction meals.

Mineral composition

We did not see any evidence of oversaturation of dietary minerals (including manganese) in the different tissues of salmon fed diets rich in BSFL meal cake and its different fractions (P>0.05).



Figures: André Sture Bogevik, Nofima



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MORE INFO ABOUT THE PROJECT

[...at millennialsalmon.org](http://millennialsalmon.org)

...RCN

...or the previous newsletter

PROJECT PARTNERS AND FUNDING

Research institutes:



Funding industrial partners:



Funding public body:



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