

## Integrated pest management (IPM)

In our production operations, Br.Karlsen Farming try in every way to search for non-medicinal methods to reduce salmon lice load and risk for resistance build- up. This is done by the use of lice shields and "Stingray" lice lasers as preventive actions. If removal of sea lice from the salmon is required, we have cooperation with the Fish health service which determines treatment where mechanical or non-medical methods are always given priority before medical treatment is considered. Best possible fish health and -welfare will although always be top priority in the choise of method.

Sea lice are counted and monitored in every cage each week according to given procedures and the results are publicly available at <https://www.barentswatch.no/fiskehelse/>

We used fish health service and -personnel from Stim AS.

Br.Karlsen Farming is participates in collaborative project with other actors in subregion Senja. We are operating on topics concerning sea lice management, generation management, fish health and welfare information and general information concerning production management issues important to all farmers in the area. The work is organized as an area-based management group and lead by a representative from external fish health service. The cooperation is regulated in a signed agreement and reports are given after every meeting.

Our production sites are in every production cycle subjected to a thorough fauna and sediment survey to measure possible impact om the surroundings from our operations. In addition to monitoring of benthic diversity and effects, content of cobber in the sediment and hydrology, the parasiticides residue levels in the benthic sediment is measured.

Oxygen content is automatically monitored at all sites in production.

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Br.Karlsen Farming



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