

Summary of delicing medicine used at Arnarlax sea sites 2021-2024

List of medicine used in Iceland for delicing purposes:

Medicine:	Active ingredient:	Form:	Withdrawal period:
Slice vet 5 mg/kg	Emamectin benzoate	Medicated feed	175 day degrees
Alpha Max vet 10 mg/ml	Deltamethrin	Liquid	5 day degrees
Salmosan vet 500 mg/g	Azamethiphos	Powder	10 day degrees

2024

2024 List of all medicinal treatments

Week nr	Site	Location	Medicine	Amount
Week 36-37	Laugardalur	Tálknafjörður	Alpha Max vet	32,9 L
Week 42	Eyri	Patreksfjörður	Slice vet 5mg/kg	44 tonnes
Week 42	Vatneyri	Patreksfjörður	Slice vet 5mg/kg	234,5 tonnes
Week 44	Tjaldanes	Arnarfjörður	Slice vet 5mg/kg	22,5 tonnes
Week 42	Haganes	Arnarfjörður	Alpha Max vet	65,8 L
Week 43-45	Steinanes	Arnarfjörður	Salmosan vet	39,4 kg
Week 49	Steinanes	Arnarfjörður	Alpha Max vet	39 L

2024 Mechanical treatment in wellboat – Ronja Strand Optilicer and Optiflush system

Week nr	Site	Location	Treatment effect (% of reduction)		
			Adult females	Movables	Fish lice
22	Laugardalur	Tálknafjörður	78%	84%	69%
23-24	Hringsdalur	Arnarfjörður	86%	90%	-
24-25	Haganes	Arnarfjörður	84%	89%	-
29	Hringsdalur	Arnarfjörður	93%	91%	100%

30	Haganes	Arnarfjörður	87%	91%	100%
34-35	Hringsdalur	Arnarfjörður	82%	96%	98%
35-36	Haganes	Arnarfjörður	87%	95%	90%
44	Laugardalur	Tálknafjörður	76,8%	90,8%	95,3%

*Fish are lightly sedated with Aqui S vet onboard wellboat prior to mechanical treatment for welfare reasons. Aqui-S does not bioconcentrate or persist in the environment.

2024 Treatment effects of medicinal treatments: Summarizing reduction (%) in number of each lice stage

Site	Treatment	Adult female salmon lice	Movable salmon lice	Juvenile salmon lice	Fish lice / Caligus
Laugardalur	Alpha Max	74%	89%	55%	92%
Haganes	Alpha Max	92,5%	96,4%	18,7%	95,8%
Steinanes	Salmosan	73%	73%	-	99,7%
Steinanes	Alpha Max	87,9%	92,8%	93,5%	79%

*Slice vet is medicated feed with long lasting preventative properties as well as delicing effect, given once per fish group before first winter at sea. Measuring accurate effect of the treatment is challenging.

2023

Summary for amount of each delicing medicine used in 2023:

Slice vet:

Site, location	Slice vet, amount, kg
Haganes, Arnarfirði	113500
Laugardalur, Tálknafirði	117000
Steinanes, Arnarfirði	73000
Total	303.500 kg

Salmosan vet:

Site, location	Salmosan vet, amount, kg
Tjaldanes, Arnarfirði	31,6
Haganes, Arnarfirði	48,8
Hringsdalur, Arnarfirði	17,5
Laugardalur, Tálknafirði	66,4
Steinanes, Arnarfirði	10,8
Total	175,1 kg

AlphaMax vet:

Site, location	AlphaMax vet, amount, liters
Laugardalur, Tálknafirði	59,5
Total	59,5 L

Summary of all delicing treatments in 2023 per location:

Site	Date	Medicine	Amount
Tjaldanes	21.06.2023 - 27.06.2023	Salmosan	31,6 kg
Steinanes	25.10.2023	Slice vet 5 mg/kg	73 tonnes
	16.11.2023 - 19.11.2023	Salmosan vet	10,8 kg
Haganes	2.11.2023 -	Slice vet	113,5 tonnes
	01.11.2023 - 11.11.2023	Salmosan	48,8 kg
Hringsdalur	23.11.2023 - 28.11.2023	Salmosan	17,5 kg
	Week 43-44	Ronja Strand - Optilicer	
Laugardalur	21.09.2023 -	Slice vet	117 tonnes
	17.09.2023 - 21.09.2023	Salmosan	24,1 kg
	11.10.2023 - 18.10.2023	Alpha Max	59,5 L
	17.11.2023 - 24.11.2023	Salmosan	42,3 kg

2022

Date	Site	Location	Medicine	Amount
October	Laugardalur	Tálknafjörður	Slice vet 5mg/kg	31,5 tonnes
October	Tjaldanes	Arnarfjörður	Slice vet 5mg/kg	159 tonnes
October	Hringsdalur	Arnarfjörður	Slice vet 5mg/kg	157,5 tonnes
October	Eyri	Patreksfjörður	Alpha Max vet	27,9 L

2021

Date	Site	Location	Medicine	Amount
October	Eyri	Patreksfjörður	Slice vet 5mg/kg	163,5 tonnes
November	Foss	Arnarfjörður	Slice vet 5mg/kg	114 tonnes
November	Haganes	Arnarfjörður	Slice vet 5mg/kg	173 tonnes

Amount of medicated feed is based on biomass of the fish that will be treated. Amount of medicine used for bath treatment (Salmosan and AlphaMax) depends on treatment volume as a certain concentration is needed, use of wellboat and the size of treatment tarpauline therefore affect the amount of medicine used.



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