


## Status Ocean Forest

– where are we and in which  
direction are we moving


Ocean Forest AS / Lerøy Ocean Harvest AS

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## Key numbers for 2021/22 season:

- 47.100 meter of thin line in the sea.
  - Main deployment in October and November
  - We harvest 232 tons. Everything was chopped and fermented on board in the harvest vessel.
  - We use about ca 140 mål
  - We used about 90 hours on the harvesting.
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We produce our own gametophytes and stickling's.



# Production on land.

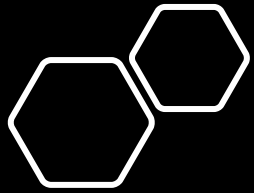
- Our aim is to produce as big sticklings as possible and deploy them as early as possible.
- We do document the quality of everything that is deployed with pictures and can follow the different coil through the production in the sea.
- We work with optimisation of the hatchery conditions as light quality /colour and intensity, nutrient supply (what do they really need? How often?) and level of water supply.
- What is the optimal thin line quality?
- In general we work very hard on predicting our stickling production and to increase the productivity.
- Working together with SINTEF to create an automatic gametophyte production.



Deployment and farming in the sea

# Deployment in sea

- We are doing twine seeding.
- Capacity of about 27000 meter/day.  
Fare to slow.
- Very weather dependent.
- Need to understand what influence the growth of the seaweed during the winter time.
- Need a good prediction of biomass at harvest.
- Today we have in average 6 kg seaweed per meter of grow-out line – our aim is 15-20 kg/m<sup>2</sup>.



Harvesting  
May 2022



# Harvesting

- Last week of April – first week of May. We must avoid epiphytes.
- So far – quit lucky with the weather....little wind...
- Every year new equipment is installed and tested as the production increase. Very little time for testing
- So far everything is fermented.
- Doing a large job on reviewing the fermentation process together with some of the largest seaweed producers – not straight forward.



**We are aiming for 100.000 tons  
of harvest seaweed in 2030.**

**Thank's for the attention.**

