



# SEAWEED AQUACULTURE IN THE ATLANTIC AREA: Red Seaweeds (Rhodophyceae)



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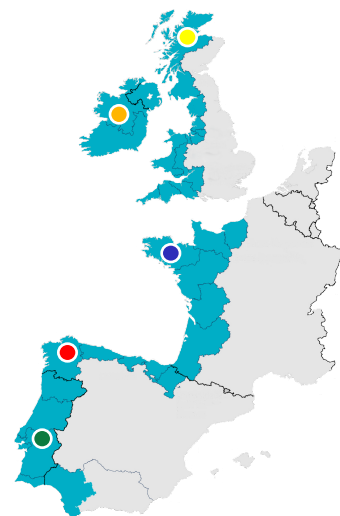
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## SUMMARY

Seaweed aquaculture is still in the early stages of development in the Atlantic Area (AA) and is represented by only a few species of the many hundreds of species to be found around the varied coastline of Europe. This fact sheet includes the red seaweeds cultured in the AA, and identifies cultivation experience as scientific and/or commercial. Each data point comes from a scientific publication, a research project and/or a personal communication.

Many seaweed species have been tested in IMTA land systems and have been used as biofilters. However in this table we present the species where the main focus was the development of cultivation methods.



Cultured species	Method*	Scientific work	Commercial	System** (+IMTA)
<i>Asparagopsis armata</i>	S	● ● ●	●	Land/Sea (IMTA)
<i>Asparagopsis taxiformis</i>	V	●		Land
<i>Chondrus crispus</i>	V	● ● ●		Land (IMTA)
<i>Chondracanthus teedei</i>	V/S	● ●		Land/Sea
<i>Gelidium sesquipedale</i>	V	●		Land/Sea
<i>Gracilaria bursa-pastoris</i>	V	●	●	Land/Sea (IMTA)
<i>Gracilaria gracilis</i>	V	●	●	Land
<i>Gracilaria vermiculophylla</i>	V	●		Land
<i>Gracilariopsis longuissima</i>	V	●	●	Land/Sea
<i>Mastocarpus stellatus</i>	V	●		Land (IMTA)
<i>Palmaria palmata</i>	V/S	● ● ● ● ●	● ●	Land/Sea (IMTA)
<i>Porphyra dioica</i>	V/S	● ● ●	●	Land/Sea (IMTA)
<i>Porphyra purpurea</i>	V/S	●	●	Land (IMTA)
<i>Porphyra umbilicalis</i>	V/S	●	● ● ●	Land/Sea (IMTA)

\* **Method:** cultivation from Vegetative material and/or from spores. \*\* **System:** Land (i.e. cultures in flasks, tanks), Sea (i.e. cultures on ropes, nets)

**NOTE on *Porphyra* spp.:** Extensive scientific work has been published on these species. We have only included the species with commercial trials in the AA.

**How to cite this factsheet:** Soler-Vila, A., Whelan, S., Edwards, M. (2020). Irish Seaweed Consultancy. Fact sheet 1. Seaweed aquaculture in the Atlantic Area: Red Seaweeds (Rhodophyceae).