

Growing Seaweed to Feed the World During Disasters

Disaster events can emit large amounts of particles into the atmosphere, affecting the climate for decades by limiting sunlight and creating global cooling.

As a result, agriculture could be decimated.



Nuclear War



Large Volcanic Eruption



Asteroid Impact

Seaweed can be a resilient alternative food, growing fast in a wide range of environmental conditions

Seaweed farms can be built using low tech tools such as ropes, buoys and anchors

After a disaster, seaweed can still grow up to

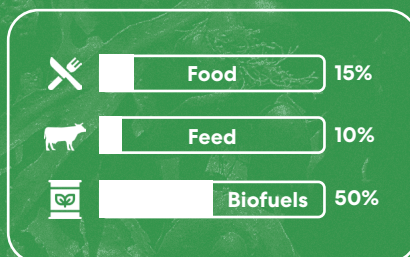
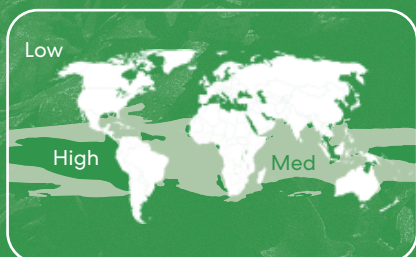
15%

per day in high growth zones

Seaweed production could be scaled up in 9 months to up to

45%

of equivalent human food requirements



Challenges

- Consumption limits in humans and animals
- Scaling infrastructure and processing

Full research paper and sources: zenodo.org/records/7615254