ALLFED

Growing Seaweed to Feed the World During Disasters

Disaster events can emit large amounts of soot 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

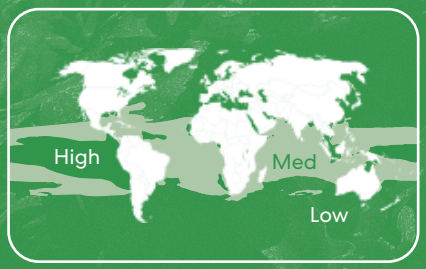
15%

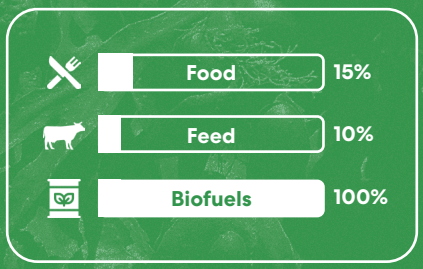
per day in high growth zones

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

45%

of equivalent global human food demand





Challenges

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

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