

An underwater photograph showing a large amount of brown sargassum seaweed floating on the surface. Below the seaweed, numerous small, reddish-brown fish are swimming in the clear blue water. A single, larger, translucent fish is also visible near the center. The scene illustrates the use of sargassum as a natural food source for marine life.

SARGASSUM AS FISH FOOD

Background

- ▣ Other uses
 - Biofuels
 - Livestock/Fish food
 - Fertilizer/Soil Conditioner
 - Removing toxins/heavy metals from wastewater

Fish Food Facts

- ▣ Fats
- ▣ Lipids
- ▣ Carbohydrates
- ▣ Vitamins
- ▣ Minerals
- ▣ Other

Seaweed as Fish Food

- ▣ Seaweed Meal for cattle and sheep
- ▣ Typically Brown Seaweeds
- ▣ Common species
 - Laminaria
 - Ascophyllum
 - Alaria
 - Ulva
 - Haliotis
 - Others...

Sargassum as Fish Food

- Unknown
- Food in Asia
- Preliminary Statistics
 - ~%5 nitrogen, with only %2 tied up in proteins

Future Directions

- ▣ Plans to test carbohydrates/ amino acids
- ▣ Determining what type of fish food/ meal is best suited to the nutrients
- ▣ Pursue techniques of creating pellets and performing live testing