

Prevent Red Tide in Vietnam by Farming Gibasa



2705: Akita Prefectural Akita Minami Senior High School

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1. Problem



- 1. Industrial and domestic wastewater
 - 2. Eutrophication
 - 3. Much Planktons
 - 4. Red tide occurring
 - 5. Decrease of Oxygen
 - 6. Death of fish

Date	Place	Fishery damage	
2016/11/24,25	Khanh Hoa	About 10t	
2016/9/16	Thanh Hoa	About 47t	

Fishery damage caused by Red tide

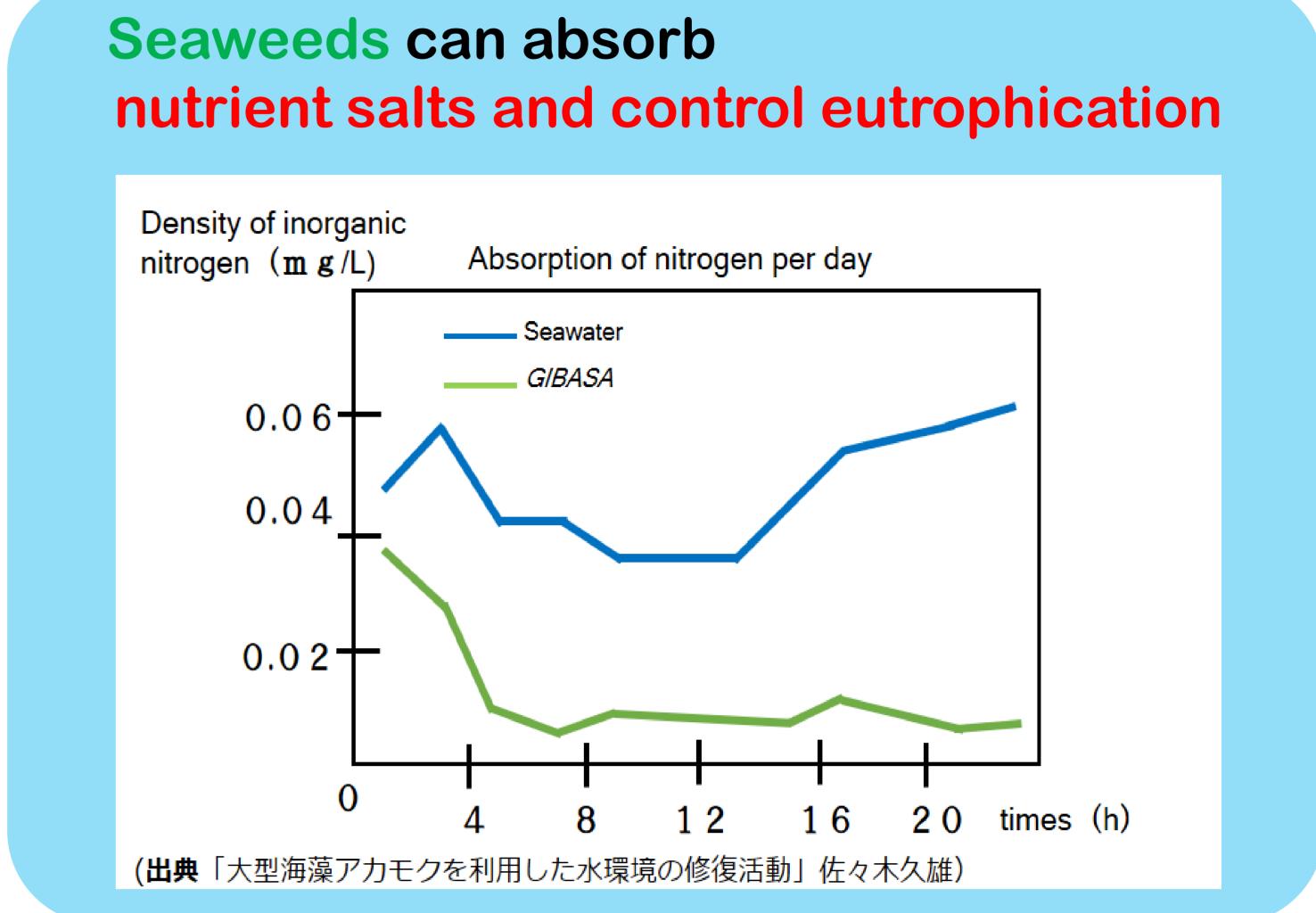
2. Hypothesis

Farming Gibasa can prevent red tide



3. Method and result

Ability of seaweeds



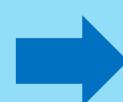
Field Work: Akita Prefectural **Fisheries Promotion Center** Gibasa is a kind of seaweeds. Eating Gibasa is popular in Akita.



Why we choose Gibasa?

1. Friendly for the ecosystem

Gibasa is native to Vietnam



No negative influence!

2. Environment in Vietnam

	Suitable environment for farming <i>Gibasa</i>	Environment in Vietnam
Strength of wave	Calm	Calm
Temperature	3~31°C	10~30°C

5. Conclusion



3. Easy and cost-effective

Farming *Gibasa* need only 4 equipment Seeds of Gibasa, Pipes, Sprinklers, Rope



Farming Gibasa is Sustainable



4. Improvement

1. Introduce farming *Gibasa* into Vietnamese

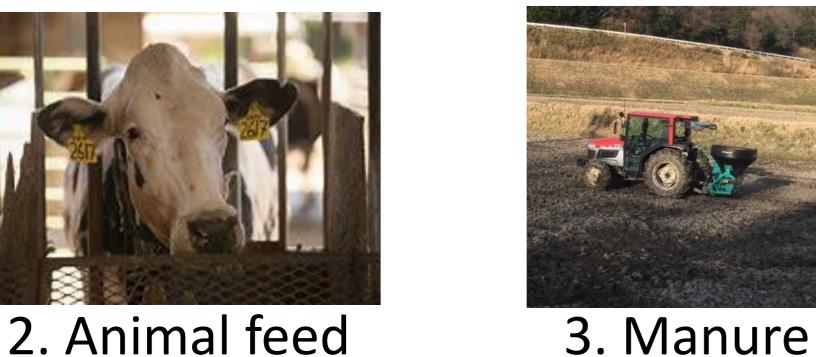
How much money will be cost? Who farm *Gibasa*?

How to teach Vietnamese farming Gibasa?

2. How to consume farmed *Gibasa*







Can reduce fishery damages!

2. Suppress the eutrophication

3. Prevent to occur red tide

1. Farm Gibasa in Vietnam

