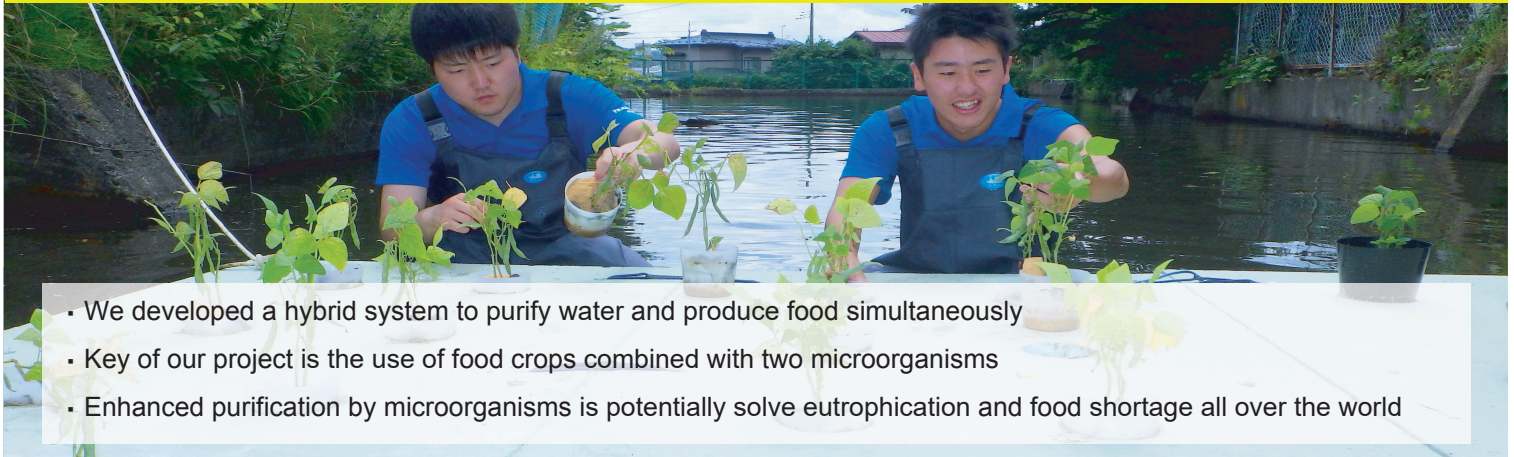


THE NEW GREEN REVOLUTION

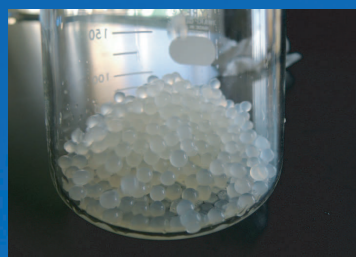
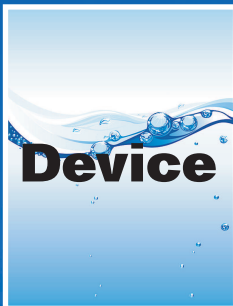


Hybrid System of Phytoremediation and Food Production in Eutrophicated Ponds/Lakes

Tatsuyoshi Odai and Narumi Sakamoto Aomori Prefectural Nakui Agricultural High School



- We developed a hybrid system to purify water and produce food simultaneously
- Key of our project is the use of food crops combined with two microorganisms
- Enhanced purification by microorganisms is potentially solve eutrophication and food shortage all over the world



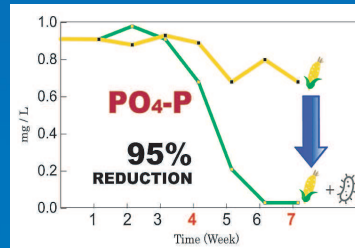
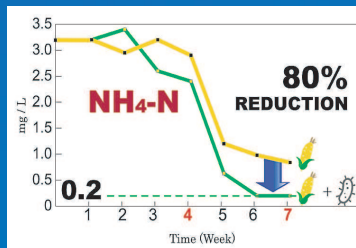
Nitrifying bacteria



Arbuscular mycorrhizal fungi



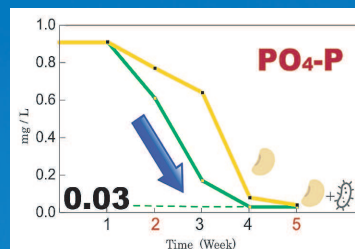
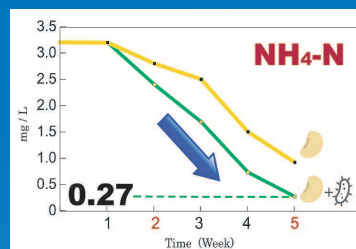
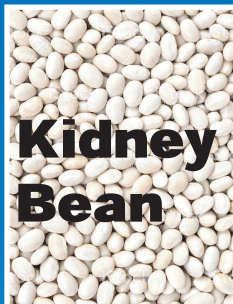
Aquatic root



Water purification by Maize



Growth of Maize



Water purification by Kidney bean



Growth of Kidney bean

- We will continue to disseminate the project to all over the world as a "New green revolution"
- We will spread the system, continue to work towards solving the water pollution, and solve food shortage in developing/emerging countries.
- We are posting the instructions to make our device on our school's website. Please check (<http://www.nakui-ah.asn.ed.jp/>)!

