Increase the Crop Yield in Nuba, Sudan

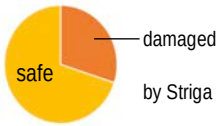
Tokyo Metropolitan Hibiya High School, W201902 Theme: global food issues

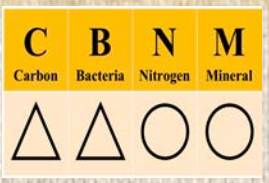
Present Situation in Nuba

Nuba is rich in water but has two problems.

-**Striga hermonthica**, a parasitic plant which damages the staple food **Sorghum** by **30%**

-People use **ineffective compost.**





What We Actually Did

・We sent e-mails to **professors** to be taught about Striga.

Ex.) Prof. Yuichiro Tsuchiya at Nagoya Univ., Prof. Hiroaki Samejima at Kobe Univ., etc.

・We visited,

Sudanese Embassy to ask Charge Hisham about Nuba

We learned that people in Nuba want a **higher quality of life**.

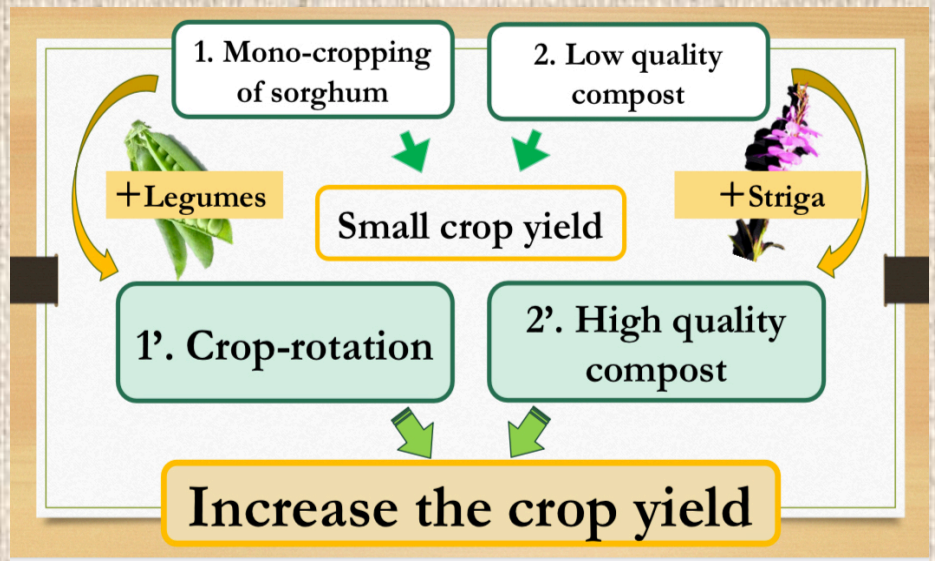
Mr. Kamoshida to learn how to make good compost.

We learned a **manufacturing process** that he taught to people in Sudan and tried it **for ourselves**.

・We proposed our solution to experts at the **Aspen Institute in New York**

We presented our proposal and got **professional opinions**. From this, we learned that we should see problems from **a wider perspective**, such as politics, war or economy, in order to solve complicated problems.

Our Solution



1. Crop Rotation with Legumes

・Striga doesn't attach to legumes

→ **less damage**

・Legumes are currently produced

→ **fit the region**.

2. High Quality Compost

・Striga contains the lacking nutrient **Carbon**

→ utilizing it, compost improves.

Conclusion

Through working on a proposal to increase crop yield, we noticed that what is important is to " Think globally and act locally." In particular, to look at rural regions closely, and providing support based on the people there is essential. This is different from now because the current support provided ignores people's lives. We have to think about who needs to be supported and what they really want.