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Cadmi-Yum? Removing Cadmium from China's Crop Soil

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**Problem**

Cadmium-rich waste is in crop soil in the Guangxi Region of China. Agriculture absorbs the cadmium, and the local population eating this food is getting sick.

**Short-Term Solution**

- Begin treatment with hyperaccumulating plants
- Harvest hyperaccumulators and test the soil
- Reduce the plants to cadmium rich soot
- Begin planting crops for consumption

**Assessment**

- Take soil samples before, during, and after the treatment
- Once the soil tests show cadmium at below harmful levels, treatment can stop
- Keep statistics on the diagnoses of kidney failure and osteoporosis within the region

**Background**

- The Guangxi Region has high amounts of Cadmium in the agricultural soil
- Cadmium is very toxic to humans
- Due to similar events in Toyama, Japan the people of Guangxi are at risk for adverse health effects

**Cost**

- 2% of China’s Environmental Budget (Est.)
- Less farmable land during treatment periods
- Planting the hyperaccumulators
- Disposal of hyperaccumulators

**Recommendations**

- Policy Change: Stricter Guidelines
- FAO Involvement: Assist with Soil Testing
- Enforce Policy: Campaign For Public Support

**References**