

We studied the scientific resources for biomass of Aomori

Biomass



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It is the fuel in which we ferment materials or burning garbage, or wood chips, and the result does not exhaust carbon dioxide. ← This is important!

However, the materials which can generate electricity efficiently have not been found.

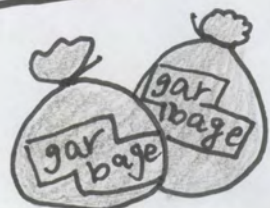
Even if the world is trying to look into biomass generation. It is not yet used very much, and efficient material has not been found. If it is found, the quantity of generation of more biomass will increase, and places creating carbon dioxide will decrease.
"biomass is an environment-friendly ecological resource"

To find new materials of biomass.

And to prevent the loss of arable land area.

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Purpose & Hypothesis & Method

Our group's purpose is to find new materials of biomass. And to prevent the loss of arable land area.

Our hypothesis is to do a repeat experiment. By finding things with a small amount of electricity. We can generate a large amount of electricity. Because there is no reason to expand into the arable land area. So it will be a success.

The method is to put mashed plants and foods in water in which yeast is fermenting. And burn ethanol. Then compare which material has the largest burning time.

A yeast fungus was melted into the water in kuene fermentation tube, and *Trifolium repens* and *Echinochloa crossgali*, *Plantago asiatica* in ground grind in an earthen ware mortar and put it in the kuene fermentation tube. Look at the result.

We looked at the kuene fermentation tube fifteen minutes after. A little was produced. *Plantago asiatica* is the most reactive of the three kinds of grass.



According to the results obtained from research.

We found that psyllium was the most responsive to sugar. We wonder if similar plants will react relative to psyllium so, we consider that leaves that areas big and soft as psyllium is best at the next experiment.

This experiment, though out contain sugar content.

So we wanted to look for a flower containing a lot of sugar content. It took us many times to find new material. We didn't give up, we wanted to find it.

Also, we wanted to experiment on using materials such as weeds, flower part of vegetables we can't eat.