

House for storing snow

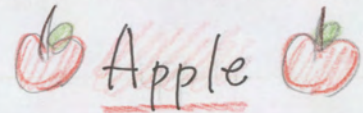
A farming method in
Touhoku region.

Keep vegetables and
fruits under the snow
prevent spoiling.

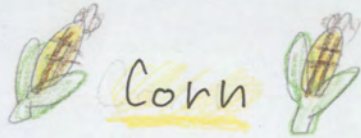
In this way more and
more sweet and good
flavors are increased.



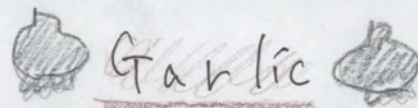
Product of Aomori



Aomori apple is the best
production and a lot of
kinds.



"Dakekimi" is grown
only in Aomori and is
intensely sweet and
very delicious.



Aomori garlic is the best
production and have
kinds of garlics are grown
for example Black garlic
and so on.

Effective use of snow
for revitalize
Touhoku region

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Purpose

- Find vegetables and fruits that can be cultivated in the house for storing snow compared to vegetables ever made.
- Can we generate electricity using snow? Also, we want to find out what kind of method you can use.

Method

First, we studied the vegetables that satisfy the conditions of the house for storing snow cultivation using the Internet and examining the vegetables that have been grown so far.

Next, we examined what kind of power generation method is available for power generation, and investigated in detail about the power generation method that can utilize snow from that.

Hypothesis

- can power generation make use of nature (snow weight, humidity)?
- Can vegetables which have a lot of water be cultivated?
- Can vegetables which are resistant to cold weather be cultivated?
- If it is possible to reproduce the cultivation situation of a house for storing snow in a refrigerator, can vegetables get the effect (sugar content, decay, reduction) of the same as vegetables which were grown in the house for storing snow?

Procedure & Result & Consideration & Conclusion

★ House for storing snow

condition for cultivation of storing snow vegetables

- temperature : about 5°C humidity : about 80~90%
- Vegetables that were stored in house for storing snow so far

- radishes, cabbages, potatoes, carrots product of Tohoku region which are resistant to cold weather.
- apple (Aomori, Fukushima), rice (Yamagata, Fukushima), cassia (Aomori), carrot (Fukushima), garlic (Aomori), corn (Aomori)

We found product can use for house for storing snow.

★ Way of power generation

• hydro power



merits

- use water that comes from the melted snow

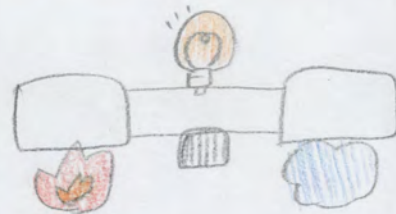
• pressure power



merits

- use weight of snow
- durable against snow

• geothermal power



merits

- use temperature of snow