

About the Emergency Environmental Radiation Monitoring of Agricultural, Forestry and Marine Products

1 Aim

- (1) We confirm the safety of agricultural, forestry and marine products from Fukushima Pref and highlight correct information to the consumers.
- (2) We **understand** the impact of the radiation upon agricultural, forestry and marine products from Fukushima Pref.
- (3) Among the agricultural, forestry, and marine products which have been subjected to restricted shipment, we are now actively promoting the cancellation of these restrictions on certified safe products.)

2 Targets

- (1) We are focused on **promoting and selling** agricultural, forestry and marine products from Fukushima Pref.
- (2) The Ministry of Health, Labour and Welfare, has been focused on establishing Vegetables, Fruit, Marine Products, Edible Wild Plants, Mushrooms, Honey, Fresh Milk, Grains, Eggs, Grass, Forage Crops and others.

3 Publication of Results

- (1) We always promptly announce the result of our analysis.
- (2) We publish these results on the Fukushima Pref Website.

4 The Analysis Process

- (1) Fukushima Agricultural Technology Centre
 - ア There are **11 staff members** as well as **11 Germanium Semiconductor Detectors**.
 - イ Import day of the analysis sample
 - Vegetables, Fruit (Mon, Wed and Thu) , Sea Food (Mon and Tue), Grains, Edible Wild Plants, Mushrooms (Tue and Fri), Pork, Chicken, Horse, Honey, Eggs, Grass, Forage Crops (Thu), Fresh Milk (Mon), Beef (Tue to Fri)
 - ウ Adjusting and measuring of sample for analysis
 - (ア) Adjust the sample
 - Pretreatment : In a typical working hour approximately **20 minutes** in at total is given to removing and washing of roots and then to noting change in leaf quality.
 - Preprocessing: In a typical working hour approximately **20-30 minutes** in total is given to fine cutting the specimen and then filling a measurement container.
 - (イ) The measure time per mark (Marinade re-container and U8)
 - 2,000s (U-8 Vessel)** : Meat, Marine Products
 - 2,000s (0.7L marinade re-container)** : Wheat
 - 600s (0.7L marinade re-container)** : Fresh Milk, Vegetables, Fruit, Edible Wild Plants, Mushrooms (etc)
 - (ウ) Analysis processing mark per day: **Over 150 mark**
- (2) Outsourcing to the inspection organization except for the Fukushima Agricultural Technology Centre
 - With some items (Grass, forage crops), we consign analysis to the outside inspection organization. In addition, we act as the inspection situation of the inspecting organization.

5 Items analyzed (March 19, 2011 ~ December 31, 2016)

177,783 items in total

About an Analysis Procedure of the Emergency Environmental Radiation Monitoring on the marinade re-container

1



1. The sample which we took is opened it after confirming that there is not contamination of the outside bag.
In addition, we treat more than 500cpm as particularly highly-concentrated contamination.

2



2. The fine cut sample is put away in 5mm pieces without any gaps when it is put into a container.

3



3. An exclusive inner packaging is used for marinade re-container (0.7 liters) (on the left) which prevents contamination of the other container (on the right).

4



4. We set an inner package and an outside bag in a marinade re-container to prevent a sample from touching the container.

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5. We take the chopped sample and fill it to the red line of the container; index of 10cm in height from the bottom of the marinade re-container and then we flatten the surface.

6



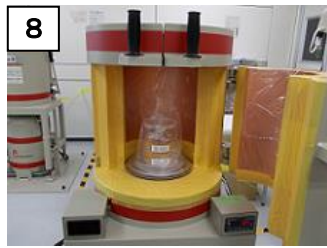
6. We close the opening of the inner package tightly so as not to shed a any part of sample.

7



7. We measure the height of the sample and then take a sample weight .

8



8. We input the measurement conditions into a Germanium Semiconductor detectors and measure the sample.

9



9. After having checked the result of the measurement, we make a report and report it to the Off Site Centre.