Radiation Measurement Results of 221 Items in October

When samples include natural radionuclides we can't deny the possibility of their radiation value counted together in our results.

The list below only shows the measurement results of the samples brought in.

Radioactive contamination level may differ according to sampling points even within the same address.

★Gamma-ray

Measuring instrument		Feature	Guide to lower limit※
Na I Scintillation Spectrometer			
Product of ATOMTEX AT1320A	Product of BERTHOLD LB2045	・Gamma-ray spectrometer with Na I scintillation detector.	Food (Sample 1kg) Lower limit 1.0Bq/Kg Soil (Sample 1kg) Lower limit 2.5Bq/Kg Material (Sample 1kg) Lower limit 1.0Bq/Kg Water (Sample 20L) Lower limit 0.02Bq/L
			
Germanium Semiconductor detector			
ORTEC GEM30-70	CANBERRA GC4020	・Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." ・ORTEC GEM30-70 Relative efficiency 35% ・CANBERRA GC4020 Relative efficiency 43%	Food (Sample 2kg) Lower limit 0.04Bq/Kg Soil (Sample 1kg) Lower limit 0.06Bq/Kg Material (Sample 1kg) Lower limit 0.06Bq/Kg Water (Sample 20L) Lower limit 0.001Bq/L
			

※The lower limit varies depending on the sample weight and measurement time.

Measuring instrument:Na I Scintillation Spectrometer (Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Potato	Kawauchi,Futaba,Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw
Sweet potato	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.9 Bq/kg raw
Sweet potato	Miyakoji,Tamura,Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw
Sweet potato	Inawashiro,Yama,Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw
Taro	Hirata,Ishikawa,Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.4 Bq/kg raw
Carrot	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Red onion	Iwaki City	Aug-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw
Tomato	Inawashiro,Yama,Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.9 Bq/kg raw
Cucumber	Inawashiro,Yama,Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.1 Bq/kg raw
Wax gourd	Tamura,koriyama,Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.2 Bq/kg raw
Bottle gourd	Kawauchi,Futaba,Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.8 Bq/kg raw
Mirliton	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.5 Bq/kg raw
Pumpkin (pulp)	Kawauchi,Futaba,Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.7 Bq/kg raw
Pumpkin (seed,cotton)	Kawauchi,Futaba,Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Pumpkin (pulp)	Nishida,Koriyama, Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.8 Bq/kg raw
Pumpkin (seed,cotton)	Nishida,Koriyama, Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.9 Bq/kg raw
Pumpkin	Ouse,Koriyama, Fukushima	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.9 Bq/kg raw
Eggplant	Inawashiro,Yama, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.7 Bq/kg raw
Eggplant	Inawashiro,Yama, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.3 Bq/kg raw
Green pepper	Inawashiro,Yama, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Red bell papper	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.7 Bq/kg raw
Japanese white radish	Hirata, Ishikawa,Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.0 Bq/kg raw
Japanese white radish	Inawashiro,Yama, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.0 Bq/kg raw
Turnip(pulp)	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.0 Bq/kg raw
Turnip(leaf)	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw
Turnip(pulp)	Aizuwakamatsu, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Turnip(leaf)	Aizuwakamatsu, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Broccoli	Shirakawa, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Broccoli	Inawashiro,Yama, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw
Cauliflower	Inawashiro,Yama, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.2 Bq/kg raw
Spinach	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	5.0 Bq/kg raw
Spinach	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.9 Bq/kg raw
Japanese mustard spinach	Iwaki City	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.9 Bq/kg raw
Moloheiya	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.5 Bq/kg raw
Garland chrysanthemum	Yoshima,Iwaki	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.4 Bq/kg raw
Garland chrysanthemum	Hirata,Ishikawa, Fukushima	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.5 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	5.2 Bq/kg raw
Burdock	Iwaki City	Oct-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.7 Bq/kg raw
Lotus root	Ibaraki Pref.	Sep-21	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.1 Bq/kg raw

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty			Total Amount of Cesium	Minimum Limit of Detection		
Lotus root	Ibaraki Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Lotus root	Ibaraki Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.7	Bq/kg raw
Lotus root	Yamaguchi Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.4	Bq/kg raw
Ginger	Yoshima,Iwaki	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.8	Bq/kg raw
Ginger	Iwaki City	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.0	Bq/kg raw
Ginger	Chiba Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.6	Bq/kg raw
Edible chrysanthemum	Yamagata Pref.	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	6.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	5.5	Bq/kg raw
Japanese honeywort	Tabito,Iwaki	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.7	Bq/kg raw
Saltwort	Yamagata Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.3	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.6	Bq/kg raw
Perilla(seed)	Fukushima Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Apple	Hirata,Ishikawa, Fukushima	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Japanese pear (pulp)	Tairaakai, Iwaki	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Japanese pear (peel・core)	Tairaakai, Iwaki	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.3	Bq/kg raw
Japanese pear (pulp)	Tairaakai, Iwaki	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.0	Bq/kg raw
Japanese pear (peel・core)	Tairaakai, Iwaki	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.6	Bq/kg raw
Persimmon	Iwaki City	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Persimmon	Iwaki City	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.3	Bq/kg raw
Fig	Kori,Date, Fukushima.	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.2	Bq/kg raw
Fig	Iwaki City	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.0	Bq/kg raw
Nameko mushroom grown in log	Kitakata, Fukushima.	Oct-21	Cs137	2.9	Bq/kg raw	±	1.4	Bq/kg raw	2.9	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.8	Bq/kg raw
Shitake mushroom grown in bacteria-bed	Bandai,Yama, Fukushima.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.5	Bq/kg raw
Nameko mushroom grown in bacteria-bed	Fukushima Pref.	Oct-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.5	Bq/kg raw
Makomotake mushroom	Fukushima Pref.	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.3	Bq/kg raw
Boar(heart)	Ena,Iwaki	Sep-21	Cs137	6.9	Bq/kg raw	±	2.2	Bq/kg raw	6.9	Cs137	1.8	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.6	Bq/kg raw

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty			Total Amount of Cesium	Minimum Limit of Detection		
Soybeans	Kawauchi,Futaba, Fukushima	Sep-21	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.0	Bq/kg raw
Acorn	Onahamashimokajiro, Iwaki	Sep-21	Cs137	2.8	Bq/kg raw	±	1.4	Bq/kg raw	2.8	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Acorn	1 Izumigaokka, Iwaki	Sep-21	Cs137	2.4	Bq/kg raw	±	1.3	Bq/kg raw	2.4	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.0	Bq/kg raw
Soil (in the park)	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	804.0	Bq/kg dry	±	83.0	Bq/kg dry	831.1	Cs137	3.2	Bq/kg dry
			Cs134	27.1	Bq/kg dry	±	3.6	Bq/kg dry		Cs134	3.6	Bq/kg dry
Soil (in the park)	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	571.0	Bq/kg dry	±	58.4	Bq/kg dry	591.6	Cs137	1.7	Bq/kg dry
			Cs134	20.6	Bq/kg dry	±	2.5	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil (in the park)	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	454.0	Bq/kg dry	±	47.2	Bq/kg dry	469.2	Cs137	2.6	Bq/kg dry
			Cs134	15.2	Bq/kg dry	±	2.3	Bq/kg dry		Cs134	3.1	Bq/kg dry
Soil(in the park) under the swing	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	301.0	Bq/kg dry	±	30.8	Bq/kg dry	312.8	Cs137	1.1	Bq/kg dry
			Cs134	11.8	Bq/kg dry	±	1.5	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	266.0	Bq/kg dry	±	27.9	Bq/kg dry	277.3	Cs137	2.1	Bq/kg dry
			Cs134	11.3	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	2.6	Bq/kg dry
Soil(in the park) under the Horizontal bar	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	231.0	Bq/kg dry	±	24.3	Bq/kg dry	240.4	Cs137	2.0	Bq/kg dry
			Cs134	9.4	Bq/kg dry	±	1.5	Bq/kg dry		Cs134	2.4	Bq/kg dry
Soil(in the park) under the slide	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	224.0	Bq/kg dry	±	23.0	Bq/kg dry	231.0	Cs137	1.1	Bq/kg dry
			Cs134	7.0	Bq/kg dry	±	1.0	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil (in the park)	Yudaido children's playground Jobankamiyunagaya,Iwaki	Oct-21	Cs137	169.0	Bq/kg dry	±	17.5	Bq/kg dry	175.0	Cs137	1.3	Bq/kg dry
			Cs134	6.0	Bq/kg dry	±	0.9	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	570.0	Bq/kg dry	±	58.2	Bq/kg dry	591.3	Cs137	1.5	Bq/kg dry
			Cs134	21.3	Bq/kg dry	±	2.6	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	510.0	Bq/kg dry	±	52.1	Bq/kg dry	528.8	Cs137	1.5	Bq/kg dry
			Cs134	18.8	Bq/kg dry	±	2.3	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	383.0	Bq/kg dry	±	40.2	Bq/kg dry	396.2	Cs137	2.3	Bq/kg dry
			Cs134	13.2	Bq/kg dry	±	2.0	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	313.0	Bq/kg dry	±	32.8	Bq/kg dry	324.4	Cs137	2.3	Bq/kg dry
			Cs134	11.4	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	2.9	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	312.0	Bq/kg dry	±	32.9	Bq/kg dry	324.1	Cs137	2.1	Bq/kg dry
			Cs134	12.1	Bq/kg dry	±	1.7	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	180.0	Bq/kg dry	±	18.7	Bq/kg dry	187.7	Cs137	1.1	Bq/kg dry
			Cs134	7.7	Bq/kg dry	±	1.1	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	129.0	Bq/kg dry	±	13.5	Bq/kg dry	132.9	Cs137	1.2	Bq/kg dry
			Cs134	3.9	Bq/kg dry	±	0.7	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	86.4	Bq/kg dry	±	9.1	Bq/kg dry	89.5	Cs137	1.0	Bq/kg dry
			Cs134	3.1	Bq/kg dry	±	0.6	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	76.5	Bq/kg dry	±	8.6	Bq/kg dry	81.0	Cs137	1.9	Bq/kg dry
			Cs134	4.5	Bq/kg dry	±	1.1	Bq/kg dry		Cs134	2.6	Bq/kg dry
Soil(in the park) under the slide	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	30.2	Bq/kg dry	±	3.4	Bq/kg dry	30.2	Cs137	1.0	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil(in the park) under the Obstacle course	Shimoyunagaya Danchi Park Jobanshimoyunagaya,Iwaki	Sep-21	Cs137	18.1	Bq/kg dry	±	2.3	Bq/kg dry	18.1	Cs137	1.7	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.1	Bq/kg dry
Soil (in the park)	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	584.0	Bq/kg dry	±	59.5	Bq/kg dry	603.4	Cs137	1.4	Bq/kg dry
			Cs134	19.4	Bq/kg dry	±	2.3	Bq/kg dry		Cs134	1.6	Bq/kg dry
Soil (in the park)	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	393.0	Bq/kg dry	±	41.0	Bq/kg dry	409.6	Cs137	2.4	Bq/kg dry
			Cs134	16.6	Bq/kg dry	±	2.4	Bq/kg dry		Cs134	2.7	Bq/kg dry

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Soil (in the park)	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	387.0 Bq/kg dry	± 39.8 Bq/kg dry	401.5	Cs137	1.4 Bq/kg dry
			Cs134	14.5 Bq/kg dry	± 1.8 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil (in the park)	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	336.0 Bq/kg dry	± 34.5 Bq/kg dry	348.1	Cs137	1.4 Bq/kg dry
			Cs134	12.1 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	235.0 Bq/kg dry	± 24.4 Bq/kg dry	243.5	Cs137	1.5 Bq/kg dry
			Cs134	8.5 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	1.9 Bq/kg dry
Soil (in the park)	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	228.0 Bq/kg dry	± 24.6 Bq/kg dry	236.3	Cs137	2.5 Bq/kg dry
			Cs134	8.3 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	3.0 Bq/kg dry
Soill(in the park) under the seesaw	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	97.8 Bq/kg dry	± 10.2 Bq/kg dry	100.8	Cs137	0.8 Bq/kg dry
			Cs134	3.0 Bq/kg dry	± 0.5 Bq/kg dry		Cs134	1.0 Bq/kg dry
Soil(in the park) under the swing	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.1 Bq/kg dry
Soil(in the park) under the Horizontal bar	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.2 Bq/kg dry
Soil(in the park) under the Monkey bar	Nishinosato Park Jobannishigo,Iwaki	Sep-21	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Keijo East children's playground Jobanyumoto,Iwaki	Oct-21	Cs137	548.0 Bq/kg dry	± 56.8 Bq/kg dry	568.1	Cs137	2.4 Bq/kg dry
			Cs134	20.1 Bq/kg dry	± 2.6 Bq/kg dry		Cs134	3.0 Bq/kg dry
Soil(in the park) under the Horizontal bar	Keijo East children's playground Jobanyumoto,Iwaki	Oct-21	Cs137	446.0 Bq/kg dry	± 46.4 Bq/kg dry	467.8	Cs137	2.1 Bq/kg dry
			Cs134	21.8 Bq/kg dry	± 2.7 Bq/kg dry		Cs134	2.5 Bq/kg dry
Soil (in the park)	Keijo East children's playground Jobanyumoto,Iwaki	Oct-21	Cs137	395.0 Bq/kg dry	± 40.3 Bq/kg dry	407.8	Cs137	1.2 Bq/kg dry
			Cs134	12.8 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (in the park)	Keijo East children's playground Jobanyumoto,Iwaki	Oct-21	Cs137	340.0 Bq/kg dry	± 35.6 Bq/kg dry	357.2	Cs137	2.0 Bq/kg dry
			Cs134	17.2 Bq/kg dry	± 2.2 Bq/kg dry		Cs134	2.4 Bq/kg dry
Soil (in the park)	Keijo East children's playground Jobanyumoto,Iwaki	Oct-21	Cs137	274.0 Bq/kg dry	± 28.2 Bq/kg dry	283.9	Cs137	1.2 Bq/kg dry
			Cs134	9.9 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil(in the park) Sandbox	Keijo East children's playground Jobanyumoto,Iwaki	Oct-21	Cs137	256.0 Bq/kg dry	± 26.4 Bq/kg dry	264.7	Cs137	1.1 Bq/kg dry
			Cs134	8.7 Bq/kg dry	± 1.2 Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (in the park)	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	513.0 Bq/kg dry	± 52.5 Bq/kg dry	530.2	Cs137	1.5 Bq/kg dry
			Cs134	17.2 Bq/kg dry	± 2.1 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil (in the park)	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	403.0 Bq/kg dry	± 42.2 Bq/kg dry	419.9	Cs137	2.5 Bq/kg dry
			Cs134	16.9 Bq/kg dry	± 2.5 Bq/kg dry		Cs134	2.8 Bq/kg dry
Soil (in the park)	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	357.0 Bq/kg dry	± 36.6 Bq/kg dry	369.9	Cs137	1.2 Bq/kg dry
			Cs134	12.9 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (in the park)	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	321.0 Bq/kg dry	± 33.8 Bq/kg dry	334.6	Cs137	2.5 Bq/kg dry
			Cs134	13.6 Bq/kg dry	± 2.1 Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil(in the park) under the slide	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	94.2 Bq/kg dry	± 10.3 Bq/kg dry	97.5	Cs137	2.0 Bq/kg dry
			Cs134	3.3 Bq/kg dry	± 0.9 Bq/kg dry		Cs134	2.5 Bq/kg dry
Soil(in the park) Sandbox	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	54.7 Bq/kg dry	± 5.9 Bq/kg dry	54.7	Cs137	1.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Soil (in the park)	Hokai Park Jobanyumoto,Iwaki	Oct-21	Cs137	25.5 Bq/kg dry	± 3.1 Bq/kg dry	25.5	Cs137	2.0 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.5 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	2930.0 Bq/kg dry	± 301.0 Bq/kg dry	3043.0	Cs137	7.3 Bq/kg dry
			Cs134	113.0 Bq/kg dry	± 13.1 Bq/kg dry		Cs134	6.8 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	2020.0 Bq/kg dry	± 207.0 Bq/kg dry	2100.3	Cs137	4.4 Bq/kg dry
			Cs134	80.3 Bq/kg dry	± 9.1 Bq/kg dry		Cs134	4.4 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	1110.0 Bq/kg dry	± 114.0 Bq/kg dry	1150.6	Cs137	3.7 Bq/kg dry
			Cs134	40.6 Bq/kg dry	± 5.0 Bq/kg dry		Cs134	3.9 Bq/kg dry

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	344.0 Bq/kg dry	± 36.3 Bq/kg dry	357.7	Cs137	2.5 Bq/kg dry
			Cs134	13.7 Bq/kg dry	± 2.0 Bq/kg dry		Cs134	3.2 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	331.0 Bq/kg dry	± 34.9 Bq/kg dry	342.0	Cs137	2.6 Bq/kg dry
			Cs134	11.0 Bq/kg dry	± 1.8 Bq/kg dry		Cs134	3.3 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	287.0 Bq/kg dry	± 29.5 Bq/kg dry	295.5	Cs137	1.2 Bq/kg dry
			Cs134	8.5 Bq/kg dry	± 1.2 Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	126.0 Bq/kg dry	± 13.3 Bq/kg dry	130.5	Cs137	1.1 Bq/kg dry
			Cs134	4.5 Bq/kg dry	± 0.8 Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil (in the park)	Izumigaoka East Park 1 Izumigaokka,Iwaki	Sep-21	Cs137	101.0 Bq/kg dry	± 10.7 Bq/kg dry	104.6	Cs137	1.0 Bq/kg dry
			Cs134	3.6 Bq/kg dry	± 0.6 Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil (in the park)	Izumigaokahanadate Park 3 Izumigaokka,Iwaki	Sep-21	Cs137	522.0 Bq/kg dry	± 53.2 Bq/kg dry	541.2	Cs137	1.4 Bq/kg dry
			Cs134	19.2 Bq/kg dry	± 2.3 Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Izumigaokahanadate Park 3 Izumigaokka,Iwaki	Sep-21	Cs137	488.0 Bq/kg dry	± 51.0 Bq/kg dry	511.1	Cs137	2.4 Bq/kg dry
			Cs134	23.1 Bq/kg dry	± 2.9 Bq/kg dry		Cs134	2.8 Bq/kg dry
Soil (in the park)	Izumigaokahanadate Park 3 Izumigaokka,Iwaki	Sep-21	Cs137	396.0 Bq/kg dry	± 40.7 Bq/kg dry	410.5	Cs137	1.4 Bq/kg dry
			Cs134	14.5 Bq/kg dry	± 1.9 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil (in the park)	Izumigaokahanadate Park 3 Izumigaokka,Iwaki	Sep-21	Cs137	342.0 Bq/kg dry	± 35.0 Bq/kg dry	354.9	Cs137	1.4 Bq/kg dry
			Cs134	12.9 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Izumigaokahanadate Park 3 Izumigaokka,Iwaki	Sep-21	Cs137	215.0 Bq/kg dry	± 22.8 Bq/kg dry	222.5	Cs137	1.8 Bq/kg dry
			Cs134	7.5 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	2.2 Bq/kg dry
Soil (in the park)	Izumigaokahanadate Park 3 Izumigaokka,Iwaki	Sep-21	Cs137	206.0 Bq/kg dry	± 22.2 Bq/kg dry	216.1	Cs137	2.0 Bq/kg dry
			Cs134	10.1 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	2.7 Bq/kg dry
Soil (in the park)	Moegidai North Park 2 Izumimoegidai,Iwaki	Oct-21	Cs137	433.0 Bq/kg dry	± 45.4 Bq/kg dry	448.2	Cs137	2.7 Bq/kg dry
			Cs134	15.2 Bq/kg dry	± 2.3 Bq/kg dry		Cs134	3.3 Bq/kg dry
Soil (in the park)	Moegidai North Park 2 Izumimoegidai,Iwaki	Oct-21	Cs137	392.0 Bq/kg dry	± 41.4 Bq/kg dry	410.2	Cs137	3.1 Bq/kg dry
			Cs134	18.2 Bq/kg dry	± 2.6 Bq/kg dry		Cs134	3.8 Bq/kg dry
Soil (in the park)	Moegidai North Park 2 Izumimoegidai,Iwaki	Oct-21	Cs137	354.0 Bq/kg dry	± 36.9 Bq/kg dry	365.0	Cs137	2.1 Bq/kg dry
			Cs134	11.0 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	2.8 Bq/kg dry
Soil (in the park)	Moegidai North Park 2 Izumimoegidai,Iwaki	Oct-21	Cs137	211.0 Bq/kg dry	± 21.9 Bq/kg dry	218.1	Cs137	1.4 Bq/kg dry
			Cs134	7.1 Bq/kg dry	± 1.1 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil (in the park)	Moegidai North Park 2 Izumimoegidai,Iwaki	Oct-21	Cs137	136.0 Bq/kg dry	± 14.2 Bq/kg dry	140.7	Cs137	1.1 Bq/kg dry
			Cs134	4.7 Bq/kg dry	± 0.8 Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil (in the park)	Moegidai North Park 2 Izumimoegidai,Iwaki	Oct-21	Cs137	119.0 Bq/kg dry	± 12.8 Bq/kg dry	124.3	Cs137	1.1 Bq/kg dry
			Cs134	5.3 Bq/kg dry	± 0.9 Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (in the park)	Moegidai South Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	596.0 Bq/kg dry	± 60.9 Bq/kg dry	616.7	Cs137	1.7 Bq/kg dry
			Cs134	20.7 Bq/kg dry	± 2.6 Bq/kg dry		Cs134	2.0 Bq/kg dry
Soil (in the park)	Moegidai South Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	477.0 Bq/kg dry	± 52.4 Bq/kg dry	502.9	Cs137	8.7 Bq/kg dry
			Cs134	25.9 Bq/kg dry	± 5.5 Bq/kg dry		Cs134	10.6 Bq/kg dry
Soil (in the park)	Moegidai South Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	321.0 Bq/kg dry	± 32.9 Bq/kg dry	331.3	Cs137	1.4 Bq/kg dry
			Cs134	10.3 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (in the park)	Moegidai South Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	210.0 Bq/kg dry	± 22.3 Bq/kg dry	217.8	Cs137	2.1 Bq/kg dry
			Cs134	7.8 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	2.7 Bq/kg dry
Soil(in the park) under the swing	Moegidai South Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	198.0 Bq/kg dry	± 21.1 Bq/kg dry	205.1	Cs137	2.1 Bq/kg dry
			Cs134	7.1 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	2.6 Bq/kg dry
Soil (in the park)	Moegidai South Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	44.2 Bq/kg dry	± 4.8 Bq/kg dry	44.2	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (in the park)	Moegidai East Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	683.0 Bq/kg dry	± 70.5 Bq/kg dry	707.4	Cs137	2.6 Bq/kg dry
			Cs134	24.4 Bq/kg dry	± 3.1 Bq/kg dry		Cs134	2.9 Bq/kg dry

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Soil (in the park)	Moegidai East Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	517.0 Bq/kg dry	± 52.8 Bq/kg dry	536.3	Cs137	1.4 Bq/kg dry
			Cs134	19.3 Bq/kg dry	± 2.3 Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Moegidai East Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	342.0 Bq/kg dry	± 36.5 Bq/kg dry	355.1	Cs137	2.7 Bq/kg dry
			Cs134	13.1 Bq/kg dry	± 2.0 Bq/kg dry		Cs134	3.6 Bq/kg dry
Soil (in the park)	Moegidai East Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	114.0 Bq/kg dry	± 11.9 Bq/kg dry	114.0	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Moegidai East Park 1 Izumimoegidai,Iwaki	Oct-21	Cs137	17.4 Bq/kg dry	± 2.0 Bq/kg dry	17.4	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	488.0 Bq/kg dry	± 51.0 Bq/kg dry	506.2	Cs137	2.9 Bq/kg dry
			Cs134	18.2 Bq/kg dry	± 2.6 Bq/kg dry		Cs134	3.5 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	478.0 Bq/kg dry	± 48.9 Bq/kg dry	494.1	Cs137	1.5 Bq/kg dry
			Cs134	16.1 Bq/kg dry	± 2.0 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	442.0 Bq/kg dry	± 45.3 Bq/kg dry	459.0	Cs137	1.4 Bq/kg dry
			Cs134	17.0 Bq/kg dry	± 2.1 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	343.0 Bq/kg dry	± 35.3 Bq/kg dry	356.1	Cs137	1.3 Bq/kg dry
			Cs134	13.1 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	227.0 Bq/kg dry	± 23.9 Bq/kg dry	235.8	Cs137	2.5 Bq/kg dry
			Cs134	8.8 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	2.7 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	53.4 Bq/kg dry	± 6.0 Bq/kg dry	53.4	Cs137	1.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.2 Bq/kg dry
Soil (in the park)	Moegidai West Park 3 Izumimoegidai,Iwaki	Oct-21	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.6 Bq/kg dry

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

Measuring instrument		Feature	Guide to lower limit※
NaI Scintillation Spectrometer			
Product of ATOMTEX AT1320A 	Product of BERTHOLD LB2045 	・Gamma-ray spectrometer with NaI scintillation detector.	Food (Sample 1kg) Lower limit 1.0Bq/Kg Soil (Sample 1kg) Lower limit 2.5Bq/Kg Material (Sample 1kg) Lower limit 1.0Bq/Kg Water (Sample 20L) Lower limit 0.02Bq/L
Germanium Semiconductor detector			
ORTEC GEM30-70 	CANBERRA GC4020 	・Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." ・ORTEC GEM30-70 Relative efficiency 35% ・CANBERRA GC4020 Relative efficiency 43%	Food (Sample 2kg) Lower limit 0.04Bq/Kg Soil (Sample 1kg) Lower limit 0.06Bq/Kg Material (Sample 1kg) Lower limit 0.06Bq/Kg Water (Sample 20L) Lower limit 0.001Bq/L

※The lower limit varies depending on the sample weight and measurement time.

Measuring instrument:Germanium Semiconductor detector (Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Brown rice	Tairashimotakaku, Iwaki	Oct-21	OR	Cs137	0.17 Bq/kg raw	± 0.03 Bq/kg raw	0.17	Cs137	0.06 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.09 Bq/kg raw
Brown rice	Jobanosamago, Iwaki	Oct-21	OR	Cs137	0.53 Bq/kg raw	± 0.03 Bq/kg raw	0.53	Cs137	0.04 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.05 Bq/kg raw
Rice	Jobanosamago, Iwaki	Oct-21	OR	Cs137	0.1 Bq/kg raw	± 0.03 Bq/kg raw	0.1	Cs137	0.07 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.07 Bq/kg raw
Rice	Yamagata Pref.	Oct-21	OR	Cs137	0.18 Bq/kg raw	± 0.02 Bq/kg raw	0.18	Cs137	0.05 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.05 Bq/kg raw
Taro	Onahamashimokajiro, Iwaki	Oct-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Sweet potato	Tairashimotakaku, Iwaki	Oct-21	OR	Cs137	0.41 Bq/kg raw	± 0.09 Bq/kg raw	0.41	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Sweet potato	Onahama, Iwaki	Oct-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Chinese cabbage	Shimookeuri, Kawamae, Iwaki	Oct-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw
Japanese white radish(pulp)	Shimookeuri, Kawamae, Iwaki	Oct-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Japanese white radish(leaves)	Shimookeuri, Kawamae, Iwaki	Oct-21	OR	Cs137	0.35 Bq/kg raw	± 0.07 Bq/kg raw	0.35	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Leek	Uchigokoya, Iwaki	Sep-21	OR	Cs137	0.36 Bq/kg raw	± 0.04 Bq/kg raw	0.36	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw
Pumpkin	Uchigokoya, Iwaki	Sep-21	OR	Cs137	0.5 Bq/kg raw	± 0.1 Bq/kg raw	0.5	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw
Persimmon	Tairashimotakaku, Iwaki	Oct-21	OR	Cs137	1.38 Bq/kg raw	± 0.05 Bq/kg raw	1.38	Cs137	0.08 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw
Persimmon	Tairashimokabeya, Iwaki	Oct-21	OR	Cs137	0.2 Bq/kg raw	± 0.1 Bq/kg raw	0.2	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Mandarin orange	Tairashimokabeya, Iwaki	Oct-21	OR	Cs137	0.1 Bq/kg raw	± 0.04 Bq/kg raw	0.1	Cs137	0.08 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw
Chestnut (boiled)	Hanawa, Higashishirakawa, Fukushima	Sep-21	CA	Cs137	2.1 Bq/kg raw	± 0.2 Bq/kg raw	2.1	Cs137	0.5 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.4 Bq/kg raw
Bamboo shoot	Kamiogawa, Ogawa, Iwaki	May-21	CA	Cs137	7.2 Bq/kg raw	± 0.1 Bq/kg raw	7.6	Cs137	0.1 Bq/kg raw
				Cs134	0.4 Bq/kg raw	± 0.07 Bq/kg raw		Cs134	0.1 Bq/kg raw

※"_"used in Measurement Result and Uncertainty shows that the value is below the detection limit.
But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result			Uncertainty			Total Amount of Cesium	Minimum Limit of Detection		
Greenling (flesh)	Fukushima Pref.	Sep-21	CA	Cs137	0.5	Bq/kg raw	± 0.09	Bq/kg raw		0.5	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	± —	Bq/kg raw			Cs134	0.1	Bq/kg raw
Greater amberjack (whole)	Ena Port/ Iwaki City	Jun-21	CA	Cs137	0.2	Bq/kg raw	± 0.1	Bq/kg raw		0.2	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	± —	Bq/kg raw			Cs134	0.3	Bq/kg raw
Horse mackerel(whole)	Numanouchi Port/ Iwaki City	Sep-21	CA	Cs137	—	Bq/kg raw	± —	Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	± —	Bq/kg raw			Cs134	0.2	Bq/kg raw
Sardine (whole)	Numanouchi Port/ Iwaki City	Sep-21	CA	Cs137	1.4	Bq/kg raw	± 0.5	Bq/kg raw		1.4	Cs137	1.0	Bq/kg raw
				Cs134	—	Bq/kg raw	± —	Bq/kg raw			Cs134	0.9	Bq/kg raw
crab	Numanouchi Port/ Iwaki City	Sep-21	CA	Cs137	0.3	Bq/kg raw	± 0.1	Bq/kg raw		0.3	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	± —	Bq/kg raw			Cs134	0.2	Bq/kg raw
Sake	Naraha,Futaba, Fukushima	Apr-20	OR	Cs137	—	Bq/L	± —	Bq/L		Under Minimum Limit of Detection	Cs137	0.1	Bq/L
				Cs134	—	Bq/L	± —	Bq/L			Cs134	0.2	Bq/L
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	157.2	Bq/kg dry	± 3.3	Bq/kg dry		161.7	Cs137	1.8	Bq/kg dry
				Cs134	4.5	Bq/kg dry	± 0.9	Bq/kg dry			Cs134	1.7	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	125.5	Bq/kg dry	± 3.1	Bq/kg dry		129.2	Cs137	2.0	Bq/kg dry
				Cs134	3.7	Bq/kg dry	± 1.1	Bq/kg dry			Cs134	2.1	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	102.5	Bq/kg dry	± 1.0	Bq/kg dry		106.4	Cs137	0.6	Bq/kg dry
				Cs134	3.9	Bq/kg dry	± 0.3	Bq/kg dry			Cs134	0.6	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	108.2	Bq/kg dry	± 3.6	Bq/kg dry		111.4	Cs137	2.6	Bq/kg dry
				Cs134	3.2	Bq/kg dry	± 1.2	Bq/kg dry			Cs134	2.3	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	93.6	Bq/kg dry	± 3.2	Bq/kg dry		97.4	Cs137	2.0	Bq/kg dry
				Cs134	3.8	Bq/kg dry	± 1.2	Bq/kg dry			Cs134	2.4	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	91.3	Bq/kg dry	± 2.6	Bq/kg dry		94.4	Cs137	1.8	Bq/kg dry
				Cs134	3.1	Bq/kg dry	± 1.0	Bq/kg dry			Cs134	2.1	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	80.1	Bq/kg dry	± 2.8	Bq/kg dry		83.2	Cs137	2.2	Bq/kg dry
				Cs134	3.1	Bq/kg dry	± 1.1	Bq/kg dry			Cs134	2.1	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	78.7	Bq/kg dry	± 1.0	Bq/kg dry		80.9	Cs137	0.7	Bq/kg dry
				Cs134	2.2	Bq/kg dry	± 0.4	Bq/kg dry			Cs134	0.7	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	68.2	Bq/kg dry	± 2.9	Bq/kg dry		71.3	Cs137	2.3	Bq/kg dry
				Cs134	3.1	Bq/kg dry	± 1.1	Bq/kg dry			Cs134	2.2	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	61.0	Bq/kg dry	± 2.4	Bq/kg dry		61.0	Cs137	2.3	Bq/kg dry
				Cs134	—	Bq/kg dry	± —	Bq/kg dry			Cs134	2.4	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	60.2	Bq/kg dry	± 4.2	Bq/kg dry		60.2	Cs137	4.7	Bq/kg dry
				Cs134	—	Bq/kg dry	± —	Bq/kg dry			Cs134	5.0	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	55.9	Bq/kg dry	± 2.4	Bq/kg dry		58.3	Cs137	2.1	Bq/kg dry
				Cs134	2.4	Bq/kg dry	± 0.9	Bq/kg dry			Cs134	1.8	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	16.9	Bq/kg dry	± 1.4	Bq/kg dry		16.9	Cs137	2.0	Bq/kg dry
				Cs134	—	Bq/kg dry	± —	Bq/kg dry			Cs134	2.1	Bq/kg dry
Soil	Okuma,Futaba, Fukushima	Oct-21	OR	Cs137	12.5	Bq/kg dry	± 1.2	Bq/kg dry		12.5	Cs137	1.8	Bq/kg dry
				Cs134	—	Bq/kg dry	± —	Bq/kg dry			Cs134	1.7	Bq/kg dry
Soil	Okawara,Okuma, Futaba,Fukushima	Oct-21	OR	Cs137	61.4	Bq/kg dry	± 2.2	Bq/kg dry		63.9	Cs137	1.9	Bq/kg dry
				Cs134	2.5	Bq/kg dry	± 0.9	Bq/kg dry			Cs134	1.7	Bq/kg dry
Soil	Okawara,Okuma, Futaba,Fukushima	Oct-21	OR	Cs137	33.2	Bq/kg dry	± 1.6	Bq/kg dry		33.2	Cs137	1.6	Bq/kg dry
				Cs134	—	Bq/kg dry	± —	Bq/kg dry			Cs134	1.5	Bq/kg dry
Soil①	Minamiaizu-cho, Minamiaizu, Fukushima	Aug-21	OR	Cs137	25.0	Bq/kg dry	± 0.5	Bq/kg dry		25.9	Cs137	0.6	Bq/kg dry
				Cs134	0.9	Bq/kg dry	± 0.30	Bq/kg dry			Cs134	0.6	Bq/kg dry
Soil②	Minamiaizu-cho, Minamiaizu, Fukushima	Aug-21	OR	Cs137	24.8	Bq/kg dry	± 0.3	Bq/kg dry		25.5	Cs137	0.3	Bq/kg dry
				Cs134	0.7	Bq/kg dry	± 0.1	Bq/kg dry			Cs134	0.3	Bq/kg dry

※"_"used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result			Uncertainty			Total Amount of Cesium	Minimum Limit of Detection		
Soil③	Minamiaizu-cho, Minamiaizu, Fukushima	Aug-21	OR	Cs137	23.8	Bq/kg dry	±	1.5	Bq/kg dry	23.8	Cs137	1.7	Bq/kg dry
				Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil④	Minamiaizu-cho, Minamiaizu, Fukushima	Aug-21	OR	Cs137	20.8	Bq/kg dry	±	1.3	Bq/kg dry	20.8	Cs137	1.5	Bq/kg dry
				Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.9	Bq/kg dry
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Aug-21	OR	Cs137	0.013	Bq/L	±	0.0006	Bq/L	0.013	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Ash (wood-burning stove)	Agano,Niigata	Mar-21	OR	Cs137	2.1	Bq/kg raw	±	0.6	Bq/kg raw	2.1	Cs137	1.2	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.5	Bq/kg raw
Straw	Jobanosamago, Iwaki	May-21	OR	Cs137	5.9	Bq/kg raw	±	0.6	Bq/kg raw	5.9	Cs137	0.9	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.8	Bq/kg raw

※"_"used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex **HIDEX 300SLL**	Product of PerkinElmer Japan **Quantulus GCT 622**	Equipment for measuring low-energy beta-ray emission nuclides Measuring nuclide Strontium90 Half-life 30 years Organically bound 3H Harf-life 12.3 years Free-water 3H Harf-life 12.3 years All samples are measured in liquid condition after several days of pretreatment.
		

(Bq/Kg raw:Weight of raw sample Bq/Kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty			Minimum Limit of Detection	
Rain Water	Noda,Fukushima, Fukushima Pref.	Jul-21	T (Free)	0.43	Bq/L	± 0.20	Bq/L		0.17	Bq/L
Vapor (in the air)	Noda,Fukushima, Fukushima Pref.	Jul-21	T (Free)	0.27	Bq/L	± 0.18	Bq/L		0.17	Bq/L
Vapor (in the air)	Onahamahanabatake, Iwaki	Aug-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± —	Bq/L		0.17	Bq/L
Sea water A (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± —	Bq/L		0.17	Bq/L
Sea water B (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± —	Bq/L		0.17	Bq/L
Sea water C (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± —	Bq/L		0.17	Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± —	Bq/L		0.17	Bq/L
Flounder (flesh)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		1.12	Bq/kg dry
Rice	Kochi Pref.	Jul-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.12	Bq/kg dry
Unripe green ume (seedless)	Naraha,Futaba, Fukushima	Jun-17	Sr90	0.44	Bq/kg dry	± 0.15	Bq/kg dry		0.23	Bq/kg dry
Yanagimodashi mushroom	Hanawa, Higashishirakawa, Fukushima	Oct-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.31	Bq/kg dry
Black seabream① (bone)	Kaneda Port/ Kanagawa Pref.	Oct-18	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.11	Bq/kg dry
Black seabream② (bone)	Kaneda Port/ Kanagawa Pref.	Oct-18	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.11	Bq/kg dry
Flounder (head/bone)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.10	Bq/kg dry
Flounder (head/bone)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.10	Bq/kg dry
Greater amberjack (head/bone)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.21	Bq/kg dry
Crimson seabream (head/bone)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± —	Bq/kg dry		0.14	Bq/kg dry

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

Mothers' Radiation Lab Fukushima

(Bq/Kg raw:Weight of raw sample Bq/Kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty			Minimum Limit of Detection	
Soil	Tamagawa North Park Onahamatamagawa,Iwaki	Aug-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.62	Bq/kg dry
Soil	Izumi West Park Izumi,Iwaki	Oct-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.55	Bq/kg dry
Soil	Izumi South Park Izumi,Iwaki	Oct-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.63	Bq/kg dry
Soil	Izumi Park Izumi,Iwaki	Nov-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.55	Bq/kg dry
Soil	Oki Park Izumitamatsuyu, Iwaki	Nov-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.52	Bq/kg dry
Sea sand	Matsushita Coast Onahama,Iwaki	Sep-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.59	Bq/kg dry
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant1	Aug-21	Sr90	0.0032	Bq/L	±	0.0006	Bq/L	0.0007	Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant1	Aug-21	Sr90	0.001	Bq/L	±	0.0005	Bq/L	0.0008	Bq/L
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Aug-21	Sr90	0.0008	Bq/L	±	0.0004	Bq/L	0.0007	Bq/L
Lake water (surface)	Lake Inawashiro/ Fukushima Pref.	Oct-21	Sr90	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.0006	Bq/L
Lake water (lower)	Lake Inawashiro/ Fukushima Pref.	Oct-21	Sr90	0.0008	Bq/L	±	0.0004	Bq/L	0.0006	Bq/L
Pine leaf	Nogami,Okuma, Futaba,Fukushima	Mar-19	Sr90	10.21	Bq/kg dry	±	0.61	Bq/kg dry	0.36	Bq/kg dry

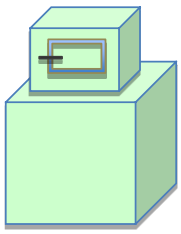
Mothers' Radiation Lab Fukushima

Measurement results of 16 items by germanium semiconductor detector

Dr.Tetsuji Imanaka,Institute of Multiple Nuclear Science,Kyoto University

In order to convey more measurement results to everyone, we have asked Dr. Tetsuji Imanaka of the Institute of Advanced Nuclear Science, Kyoto University, to measure low-dose samples using germanium semiconductor detectors. Measurement samples are not only from Fukushima Prefecture but also come from other prefectures. Please compare data based on measurements from various regions and use them to protect your children from radiation exposure.

★Gamma-ray



Measuring instrument：Germanium Semiconductor detector

・Product of CANBERRA(CA),USA GX3018 Relative efficiency 30％ or more

・Product of ORTEC(OR),USA GMX25－70 Relative efficiency 35％

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Glutinous rice	Nihonmatsu, Fukushima	Oct-20	OR	Cs137	0.49 Bq/kg raw	± 0.03 Bq/kg raw	0.49	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	— Bq/kg raw
Potato	Iwaki City	Jun-21	OR	Cs137	0.2 Bq/kg raw	± 0.04 Bq/kg raw	0.2	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Onion	Namie,Futaba, Fukushima	Jul-21	OR	Cs137	0.09 Bq/kg raw	± 0.02 Bq/kg raw	0.09	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Japanese white radish	Tairashimokabeya, Iwaki	Jun-21	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.06 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Pumpkin	Naraha,Futaba, Fukushima	Jul-21	OR	Cs137	0.47 Bq/kg raw	± 0.06 Bq/kg raw	0.47	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Malabar spinach	Fukushima Pref.	Jun-21	OR	Cs137	0.19 Bq/kg raw	± 0.03 Bq/kg raw	0.19	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Corn	Naraha,Futaba, Fukushima	Jul-21	OR	Cs137	0.07 Bq/kg raw	± 0.03 Bq/kg raw	0.07	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Bamboo shoot (boiled)	Tairashimokabeya, Iwaki	Apr-21	CA	Cs137	18.6 Bq/kg raw	± 0.2 Bq/kg raw	19.23	Cs137	Bq/kg raw
				Cs134	0.63 Bq/kg raw	± 0.06 Bq/kg raw		Cs134	Bq/kg raw
Butterbur sprout	Tairashimokabeya, Iwaki	Mar-21	OR	Cs137	3.7 Bq/kg raw	± 0.4 Bq/kg raw	3.7	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Warabi	Kitashiobara,Yama, Fukushima	May-21	CA	Cs137	1.6 Bq/kg raw	± 0.1 Bq/kg raw	1.6	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Warabi(wild)	Hanawa, Higashishirakawa, Fukushima	Jun-21	CA	Cs137	0.27 Bq/kg raw	± 0.04 Bq/kg raw	0.27	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Persimmon (dried)	Nara Pref.	Mar-21	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.5 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Peach	Tamura,Koriyama, Fukushima	Aug-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.08 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Peach	Kori,Date, Fukushima.	Aug-21	OR	Cs137	0.26 Bq/kg raw	± 0.03 Bq/kg raw	0.26	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Blueberry	Nihonmatsu, Fukushima	Aug-21	CA	Cs137	0.05 Bq/kg raw	± 0.03 Bq/kg raw	0.05	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Blueberry	Funehiki, Tamura,Fukushima	Jul-21	CA	Cs137	0.25 Bq/kg raw	± 0.04 Bq/kg raw	0.25	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw

Mothers' Radiation Lab Fukushima