



Radiation Measurement Results of 57 items in March 2013



※The analytical software we used for radioactivity measurement between November 2011 and March 2013 was older than the one we use currently, therefore, the both values for measured results and minimum limit of detection during this period may differ comparing the present measured values. Please refer those values as an indication for radiation dose at the time of the Daiichi Fukushima nuclear accident.

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

(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	
Brown rice	Nakoso, Iwaki	Oct-12	Cs137	1.7 Bq/Kg raw	± 2.7 Bq/Kg raw	5.3	Cs137	3.9 Bq/Kg raw	
			Cs134	3.6 Bq/Kg raw	± 2.4 Bq/Kg raw		Cs134	3.7 Bq/Kg raw	
White rice	Fukushima	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	1.6	Cs137	3.5 Bq/Kg raw	
			Cs134	1.6 Bq/Kg raw	± 2.4 Bq/Kg raw		Cs134	3.2 Bq/Kg raw	
White rice	Hirono, Futaba	Autum 2010	Cs137	1.6 Bq/Kg raw	± 2.4 Bq/Kg raw	1.6	Cs137	3.9 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.7 Bq/Kg raw	
White rice	Taira, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.4 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.1 Bq/Kg raw	
White rice	Shimokabeya, Taira, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.7 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.3 Bq/Kg raw	
White rice	Akai, Taira, Iwaki	Oct-12	Cs137	4.8 Bq/Kg raw	± 2.2 Bq/Kg raw	4.8	Cs137	3.2 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.0 Bq/Kg raw	
White rice	Yamada, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.5 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.1 Bq/Kg raw	
Sticky rice	Akai, Taira, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	2.1	Cs137	3.3 Bq/Kg raw	
			Cs134	2.1 Bq/Kg raw	± 1.9 Bq/Kg raw		Cs134	2.9 Bq/Kg raw	
Cooked rice	Kawamae, Iwaki	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.5 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.3 Bq/Kg raw	
Potato (with skin)	Toyoma, Taira, Iwaki	Jun-12	Cs137	1.6 Bq/Kg raw	± 2.8 Bq/Kg raw	1.6	Cs137	4.1 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.9 Bq/Kg raw	
Burdock	Kamiokeuri, Kawamae, Iwaki	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	1.2	Cs137	2.8 Bq/Kg raw	
			Cs134	1.2 Bq/Kg raw	± 1.7 Bq/Kg raw		Cs134	2.5 Bq/Kg raw	
Grated yam	Kawamae, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.2 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.0 Bq/Kg raw	
Mustard greens	Akai, Taira, Iwaki	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	5.8 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	5.0 Bq/Kg raw	
Japanese mustard spinach(boiled)	Maehara, Ogawa, Iwaki	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.4 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.2 Bq/Kg raw	
Broccoli	Kamioe, Taira, Iwaki	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	1.3	Cs137	3.1 Bq/Kg raw	
			Cs134	1.3 Bq/Kg raw	± 1.8 Bq/Kg raw		Cs134	2.7 Bq/Kg raw	
Cabbage	Watanabe, Iwakki	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	6.7 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Tsubomina greens	Fujima, Taira, Iwaki	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.5 Bq/Kg raw	

★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	
Spinach	Fujima, Taira, Iwaki	Mar-13	Cs137	3.8 Bq/Kg raw	± 4.6 Bq/Kg raw	3.8	Cs137	7.1 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.2 Bq/Kg raw	
Butterbur	Taira, Iwaki	Mar-13	Cs137	2.2 Bq/Kg raw	± 3.4 Bq/Kg raw	4.4	Cs137	5.2 Bq/Kg raw	
			Cs134	2.2 Bq/Kg raw	± 3.1 Bq/Kg raw		Cs134	4.8 Bq/Kg raw	
Butterbur	Izumi, Iwaki	Mar-13	Cs137	19.1 Bq/Kg raw	± 6.9 Bq/Kg raw	28.0	Cs137	7.6 Bq/Kg raw	
			Cs134	8.9 Bq/Kg raw	± 4.9 Bq/Kg raw		Cs134	7.1 Bq/Kg raw	
Butterbur	Ena, Iwaki	Mar-13	Cs137	21.1 Bq/Kg raw	± 11.8 Bq/Kg raw	21.3	Cs137	10.7 Bq/Kg raw	
			Cs134	0.2 Bq/Kg raw	± 0.4 Bq/Kg raw		Cs134	1.4 Bq/Kg raw	
Egg (Silky fowl)	Kitashirado, Taira, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Abalone	Kitaibaraki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	2.1	Cs137	7.0 Bq/Kg raw	
			Cs134	2.1 Bq/Kg raw	± 223.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
School lunch (Nursery)	Unknown	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.4 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.2 Bq/Kg raw	
School lunch	Unknown	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.1 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	2.8 Bq/Kg raw	
School lunch	Unknown	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	1.5	Cs137	3.4 Bq/Kg raw	
			Cs134	1.5 Bq/Kg raw	± 1.9 Bq/Kg raw		Cs134	3.0 Bq/Kg raw	
Flour	Tohoku	Unknown	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Tap water	Naraha, Futaba	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	1.0	Cs137	1.8 Bq/Kg raw	
			Cs134	1.0 Bq/Kg raw	± 1.0 Bq/Kg raw		Cs134	1.7 Bq/Kg raw	
Spring water	Tabito, Iwaki	Mar-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	2.1 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	1.9 Bq/Kg raw	
Fertilizer	Iwaki	Mar-13	Cs137	31.0 Bq/Kg raw	± 8.0 Bq/Kg raw	54.0	Cs47	7.0 Bq/Kg raw	
			Cs134	23.0 Bq/Kg raw	± 6.0 Bq/Kg raw		Cs44	6.0 Bq/Kg raw	
Wood ash	Nishikawa, Yamagata	Mar-13	Cs137	120 Bq/Kg raw	± 27.0 Bq/Kg raw	199	Cs31	7.0 Bq/Kg raw	
			Cs134	79.0 Bq/Kg raw	± 18.0 Bq/Kg raw		Cs34	6.0 Bq/Kg raw	
Fireplace ash	Komoda, Kashima, Iwaki	Mar-13	Cs137	9460 Bq/Kg raw	± 840 Bq/Kg raw	13,692	Cs137	8.0 Bq/Kg raw	
			Cs134	4232 Bq/Kg raw	± 385 Bq/Kg raw		Cs134	8.0 Bq/Kg raw	
Mold leaf	Shimoyoshima, Yoshima, Iwaki	Mar-13	Cs137	327 Bq/Kg dry	± 44.0 Bq/Kg dry	473	Cs1	8.0 Bq/Kg dry	
			Cs134	146 Bq/Kg dry	± 23.0 Bq/Kg dry		Cs4	8.0 Bq/Kg dry	
Mold leaf	Shimoyoshima, Yoshima, Iwaki	Mar-13	Cs137	38.0 Bq/Kg dry	± 14.0 Bq/Kg dry	71.0	Cs7	8.0 Bq/Kg dry	
			Cs134	33.0 Bq/Kg dry	± 10.0 Bq/Kg dry		Cs10	8.0 Bq/Kg dry	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	61.0 Bq/Kg dry	± 13.0 Bq/Kg dry	86.0	Cs41	8.0 Bq/Kg dry	
			Cs134	25.0 Bq/Kg dry	± 7.0 Bq/Kg dry		Cs38	8.0 Bq/Kg dry	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	75.0 Bq/Kg dry	± 13.0 Bq/Kg dry	107	Cs35	8.0 Bq/Kg dry	
			Cs134	32.0 Bq/Kg dry	± 8.0 Bq/Kg dry		Cs32	8.0 Bq/Kg dry	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	66.0 Bq/Kg dry	± 13.0 Bq/Kg dry	88.0	Cs29	8.0 Bq/Kg dry	
			Cs134	22.0 Bq/Kg dry	± 7.0 Bq/Kg dry		Cs26	8.0 Bq/Kg dry	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	19.0 Bq/Kg dry	± 7.0 Bq/Kg dry	27.0	Cs23	8.0 Bq/Kg dry	
			Cs134	8.0 Bq/Kg dry	± 5.0 Bq/Kg dry		Cs20	8.0 Bq/Kg dry	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	70.0 Bq/Kg dry	± 13.0 Bq/Kg dry	100	Cs17	8.0 Bq/Kg dry	
			Cs134	30.0 Bq/Kg dry	± 8.0 Bq/Kg dry		Cs14	8.0 Bq/Kg dry	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	132 Bq/Kg dry	± 19.0 Bq/Kg dry	186	Cs11	8.0 Bq/Kg dry	
			Cs134	54.0 Bq/Kg dry	± 10.0 Bq/Kg dry		Cs8	8.0 Bq/Kg dry	

★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	
Garden soil	Kashima, Iwaki	Mar-13	Cs137	59.0	Bq/Kg dry ± 12.0	91.0	Cs5	8.0
			Cs134	32.0	Bq/Kg dry ± 8.0		Cs2	8.0
Soil	Sakurada, Hirono, Futaba	Mar-13	Cs137	450	Bq/Kg dry ± 50.0	644	Cs137	8.0
			Cs134	194	Bq/Kg dry ± 24.0		Cs134	8.0
Soil	Miyamada, Tono, Iwaki	Mar-13	Cs137	1585	Bq/Kg dry ± 153	2,306	Cs137	8.0
			Cs134	721	Bq/Kg dry ± 72.0		Cs134	8.0
Field soil	Kamiasamigawa, Hirono, Futaba	Mar-13	Cs137	281	Bq/Kg dry ± 56.0	468	Cs13	7.0
			Cs134	187	Bq/Kg dry ± 37.0		Cs16	6.0
Field soil	Kamiasamigawa, Hirono, Futaba	Mar-13	Cs137	223	Bq/Kg dry ± 45.0	370	Cs19	7.0
			Cs134	147	Bq/Kg dry ± 29.0		Cs22	6.0
Field soil	Yoshima, Iwaki	Mar-13	Cs137	128	Bq/Kg dry ± 19.0	184	Cs37	8.0
			Cs134	56.0	Bq/Kg dry ± 10.0		Cs40	8.0
Field soil	Yoshima, Iwaki	Mar-13	Cs137	157	Bq/Kg dry ± 25.0	232	Cs43	8.0
			Cs134	75.0	Bq/Kg dry ± 14.0		Cs46	8.0
Field soil	Nakahirakubo, Taira, Iwaki	Mar-13	Cs137	557	Bq/Kg dry ± 61.0	790	Cs49	8.0
			Cs134	233	Bq/Kg dry ± 28.0		Cs52	8.0
Field soil	Kamiyada, Joban, Iwaki	Mar-13	Cs137	48.0	Bq/Kg dry ± 11.0	87.0	Cs25	7.0
			Cs134	39.0	Bq/Kg dry ± 9.0		Cs28	6.0
Field soil	Oohara, Onahama, Iwaki	Mar-13	Cs137	159	Bq/Kg dry ± 23.0	237	Cs137	8.0
			Cs134	78.0	Bq/Kg dry ± 12.0		Cs134	8.0
Field soil	Miyamada, Tono, Iwaki	Mar-13	Cs137	173	Bq/Kg dry ± 24.0	246	Cs137	8.0
			Cs134	73.0	Bq/Kg dry ± 12.0		Cs134	8.0