Radiation Measurement Results of 127 Items in June

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

※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	
Sea sand (surface)	Usuiso Coast ① Iwaki City	Apr-25	Cs137	10.7 Bq/kg dry	± 1.2 Bq/kg dry	10.7	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm deep)		Apr-25	Cs137	3.2 Bq/kg dry	± 0.6 Bq/kg dry	3.2	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (30cm deep)		Apr-25	Cs137	6.8 Bq/kg dry	± 0.8 Bq/kg dry	6.8	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (surface)	Usuiso Coast ② Iwaki City	Apr-25	Cs137	4.3 Bq/kg dry	± 0.6 Bq/kg dry	4.3	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm deep)		Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.4 Bq/kg dry
Sea sand (30cm deep)		Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (50cm deep)		Apr-25	Cs137	6.0 Bq/kg dry	± 0.9 Bq/kg dry	6.0	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (surface)	Usuiso Coast ③ Iwaki City	Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (30cm deep)		Apr-25	Cs137	8.5 Bq/kg dry	± 1.1 Bq/kg dry	8.5	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (50cm deep)		Apr-25	Cs137	13.5 Bq/kg dry	± 1.7 Bq/kg dry	13.5	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.4 Bq/kg dry
Sea sand (surface)	Usuiso Coast ④ Iwaki City	Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm deep)		Apr-25	Cs137	2.2 Bq/kg dry	± 0.3 Bq/kg dry	2.2	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (30cm deep)		Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.7 Bq/kg dry
Sea sand (50cm deep)		Apr-25	Cs137	5.4 Bq/kg dry	± 0.7 Bq/kg dry	5.4	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (surface)	Usuiso Coast ⑤ Iwaki City	Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.5 Bq/kg dry
Sea sand (15cm deep)		Apr-25	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.9 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.8 Bq/kg dry

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	
Sea sand (30cm deep)	Usuiso Coast ⑤ Iwaki City	Apr-25	Cs137	— Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.4 Bq/kg dry
Sea sand (50cm deep)		Apr-25	Cs137	6.8 Bq/kg dry	± 0.8	Bq/kg dry	6.8	Cs137	0.8 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.8 Bq/kg dry
Sea sand (surface)	Usuiso Coast ⑥ Iwaki City	Apr-25	Cs137	— Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.8 Bq/kg dry
Sea sand (15cm deep)		Apr-25	Cs137	— Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.9 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (30cm deep)		Apr-25	Cs137	3.1 Bq/kg dry	± 0.6	Bq/kg dry	3.1	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.5 Bq/kg dry
Sea sand (50cm deep)		Apr-25	Cs137	2.4 Bq/kg dry	± 0.3	Bq/kg dry	2.4	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (surface)	Yotsukura Coast ① Iwaki City	May-25	Cs137	12.2 Bq/kg dry	± 1.4	Bq/kg dry	12.2	Cs137	0.8 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.8 Bq/kg dry
Sea sand (15cm deep)		May-25	Cs137	5.7 Bq/kg dry	± 0.7	Bq/kg dry	5.7	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.8 Bq/kg dry
Sea sand (30cm deep)		May-25	Cs137	10.3 Bq/kg dry	± 1.4	Bq/kg dry	10.3	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (surface)	Yotsukura Coast ② Iwaki City	May-25	Cs137	8.5 Bq/kg dry	± 1.1	Bq/kg dry	8.5	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm deep)		May-25	Cs137	7.7 Bq/kg dry	± 1.1	Bq/kg dry	7.7	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (30cm deep)		May-25	Cs137	23.4 Bq/kg dry	± 2.9	Bq/kg dry	23.4	Cs137	1.7 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (50cm deep)		May-25	Cs137	15.5 Bq/kg dry	± 2.0	Bq/kg dry	15.5	Cs137	1.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (surface)	Yotsukura Coast ③ Iwaki City	May-25	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	1.5 Bq/kg dry
Sea sand (15cm deep)		May-25	Cs137	9.2 Bq/kg dry	± 1.1	Bq/kg dry	9.2	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (30cm deep)		May-25	Cs137	6.4 Bq/kg dry	± 0.9	Bq/kg dry	6.4	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (50cm deep)		May-25	Cs137	7.6 Bq/kg dry	± 0.9	Bq/kg dry	7.6	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (surface)	Yotsukura Coast ④ Iwaki City	May-25	Cs137	12.2 Bq/kg dry	± 1.6	Bq/kg dry	12.2	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.4 Bq/kg dry
Sea sand (15cm deep)		May-25	Cs137	9.9 Bq/kg dry	± 1.1	Bq/kg dry	9.9	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (30cm deep)		May-25	Cs137	8.6 Bq/kg dry	± 1.1	Bq/kg dry	8.6	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (50cm deep)		May-25	Cs137	13.4 Bq/kg dry	± 1.5	Bq/kg dry	13.4	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (surface)	Yotsukura Coast ⑤ Iwaki City	May-25	Cs137	10.5 Bq/kg dry	± 1.2	Bq/kg dry	10.5	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm deep)		May-25	Cs137	22.4 Bq/kg dry	± 2.7	Bq/kg dry	22.4	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.4 Bq/kg dry
Sea sand (30cm deep)		May-25	Cs137	19.7 Bq/kg dry	± 2.4	Bq/kg dry	19.7	Cs137	1.3 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (50cm deep)		May-25	Cs137	23.1 Bq/kg dry	± 2.6	Bq/kg dry	23.1	Cs137	0.8 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	0.6 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.

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★Gamma-ray

Measuring instrument		Feature	Guide to lower limit※
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		
Rice	Namie,Futaba, Fukushima Pref.	Oct-24	CA	Cs137	0.9	Bq/kg raw	±	0.06	Bq/kg raw	0.9	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
Burdock	Aomori Pref.	May-25	OR	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	0.06	Bq/kg raw
Onion	Namie,Futaba, Fukushima Pref.	Jun-25	CA	Cs137	0.3	Bq/kg raw	±	0.02	Bq/kg raw	0.3	Cs137	0.04	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.03	Bq/kg raw
Red onion	Awajishima Hyougo Pref.	Jun-25	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 yam	Aomori Pref.	Jun-25	OR	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
Japanese mustard spinach	Funehiki,Tamura, Fukushima Pref.	Jun-25	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
Cabbage	Nishida,Koriyama, Fukushima Pref.	Jun-25	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	0.1	Bq/kg raw
Purple cabbage	Aichi Pref.	May-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.4	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.4	Bq/kg raw
Lettuce	Sukagawa, Fukushima Pref.	Jun-25	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
Lettuce	Iwate Pref.	Jun-25	OR	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
Turnip	Tamura,Koriyama, Fukushima Pref.	Jun-25	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
Pumpkin	Iwaki City	Jun-25	CA	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	0.07	Bq/kg raw
Broccoli	Fukushima Pref.	Jun-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.2	Bq/kg raw
Green pepper shishito	Kouchi Pref.	Jun-25	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
Celery	Nishishirakawa, Fukushima Pref.	Jun-25	OR	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	1.5	Bq/kg raw
Zucchini	Minamisouma, Fukushima Pref.	Jun-25	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
radish	Sukagawa, Fukushima Pref.	Jun-25	CA	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
Leek	Nishids,Koriyama, Fukushima Pref.	Jun-25	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
Asparagus	Tamura,Koriyama, Fukushima Pref.	Jun-25	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

※"_"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.

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★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		
Asparagus	Date, Fukushima Pref.	Jun-25	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
Myoga	Kouchi Pref.	Jun-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.07	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.08	Bq/kg raw
Broad bean	Tamura, Koriyama, Fukushima Pref.	Jun-25	OR	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
Silk pod	Fukushima Pref.	Jun-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.4	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.5	Bq/kg raw
Asuparana (autumn poem)	Namie, Futaba, Fukushima Pref.	Jun-25	OR	Cs137	0.50	Bq/kg raw	±	0.08	Bq/kg raw	0.5	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
Kale	Namie, Futaba, Fukushima Pref.	Jun-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.09	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.08	Bq/kg raw
Baby leaf	Nishishirakawa, Fukushima Pref.	Jun-25	CA	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
Basil	Ryouzen, Date, Fukushima Pref.	Jun-25	OR	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
Herbs	Kunimi, Date, Fukushima Pref.	Jun-25	OR	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	4.8	Bq/kg raw
Bitter gourd	Fukushima Pref.	Jun-25	OR	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
Perilla	Onahama, Iwaki City	Jun-25	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
Perilla	Ouse, Koriyama, Fukushima Pref.	Jun-25	OR	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	2.3	Bq/kg raw
Perilla	Aichi Perf.	Jun-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.3	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	4.5	Bq/kg raw
Red perilla	Mihota, Koriyama, Fukushima Perf.	Jun-25	CA	Cs137	0.5	Bq/kg raw	±	0.1	Bq/kg raw	0.5	Cs137	0.4	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.3	Bq/kg raw
Red perilla	Iwaki City	Jun-25	OR	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	0.5	Bq/kg raw
Tomato	Tamura, Koriyama, Fukushima Pref.	Jun-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.04	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.04	Bq/kg raw
Young com	Ibaraki Pref.	Jun-25	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
Water melon	Ibaraki Pref.	Jun-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.07	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.06	Bq/kg raw
Koume	Aizuwakamatsu, Fukushima Pref.	Jun-25	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	0.08	Bq/kg raw
Ume	Iwaki City	Jun-25	OR	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
Driedwhite Japanese radish	Japan (production)	Jun-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.6	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	6.5	Bq/kg raw
Bamboo shoot	Yamatsuri, Higashishirakawa, Fukushima Pref.	Jun-25	OR	Cs137	0.4	Bq/kg raw	±	0.05	Bq/kg raw	0.4	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
Warabi(wild)	Tadami, Minamiaizu, Fukushima Pref.	Jun-25	OR	Cs137	0.5	Bq/kg raw	±	0.03	Bq/kg raw	0.5	Cs137	0.06	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.07	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	
Warabi(cultivation)	Miharu,Tamura, Fukushima Pref.	Jun-25	CA	Cs137	1.4 Bq/kg raw	± 0.06 Bq/kg raw	1.4	Cs137	0.09 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.09 Bq/kg raw	
Butterbur sprout (cultivation)	Miharu,Tamura, Fukushima Pref.	Jun-25	OR	Cs137	1.1 Bq/kg raw	± 0.1 Bq/kg raw	1.1	Cs137	0.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw	
Butterbur	Gunma Pref.	Jun-25	OR	Cs137	0.1 Bq/kg raw	± 0.06 Bq/kg raw	0.1	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Shitake mushroom grown in bacteria-bed	Minamisouma, Fukushima Pref.	Jun-25	OR	Cs137	2.2 Bq/kg raw	± 0.2 Bq/kg raw	2.2	Cs137	0.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Shiitake mushroom (powder)	Nagasaki Pref.	May-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.9 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	5.1 Bq/kg raw	
Nameko mushroom	Fukushima Pref.	Jun-25	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	
Enoki mushroom	Niigata Pref.	Jun-25	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	0.1 Bq/kg raw	
Wood ear mushroom	Kawamata,Date, Fukushima Pref.	Jun-25	OR	Cs137	2.3 Bq/kg raw	± 0.2 Bq/kg raw	2.3	Cs137	0.3 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw	
Wood ear mushroom (raw)	Mito,Ibaraki Pref.	Jun-25	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	
Wakame seaweed (boiled)	Sanriku Product	May-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.7 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.7 Bq/kg raw	
Root kelp tororo	Japan (production)	Jun-25	CA	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	
Konjac	Japan (production)	Jun-25	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	
Soy pulp	Japan (production)	May-25	CA	Cs137	0.3 Bq/kg raw	± 0.05 Bq/kg raw	0.3	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Rice flour	Motomiya, Fukushima Pref.	Jun-25	OR	Cs137	0.30 Bq/kg raw	± 0.09 Bq/kg raw	0.3	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Weak flour	Fukushima Pref.	Jun-25	CA	Cs137	0.1 Bq/kg raw	± 0.05 Bq/kg raw	0.1	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Flour	Tamura,Fukushima,Pref.	Feb-25	OR	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	
Loquat (fruit)	Izumigaoka, Iwaki,City	Jun-25	OR	Cs137	0.4 Bq/kg raw	± 0.1 Bq/kg raw	0.4	Cs137	0.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Laurel (flower&fruit)	Izumigaoka, Iwaki,City	Mar-25	OR	Cs137	10.4 Bq/kg raw	± 1.1 Bq/kg raw	10.4	Cs137	1.9 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.2 Bq/kg raw	
Lake water	Izumigaoka, Iwaki,City	Jun-25	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.03 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.03 Bq/L	
Soil	Haramachi,Minamisouma, Fukushima Pref.	Jun-25	OR	Cs137	14086.4 Bq/kg乾	± 26.9 Bq/kg乾	14254.6	Cs137	5.7 Bq/kg乾	
				Cs134	168.2 Bq/kg乾	± 4.200 Bq/kg乾		Cs134	6.3 Bq/kg乾	

※"_"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

★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex **HIDEX 300SLL**	Product of PerkinElmer Japan **Quantulus GCT 6220**	Equipment for measuring low-energy beta-ray emission nuclides Measuring nuclide Strontium90 Half-life 30 years Organic bound tritium Harf-life 12.3 years Free-water tritium 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	
White rockfish	Souma Port / Fukushima pref.	Jun-24	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.38	Bq/L
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.37	Bq/L
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.38	Bq/L
Black sebastes	Sendai Bay/ Miyagi Pref.	Apr-25	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.37	Bq/L
Sea water (surface)	Futaba Beach/ Fukushima Pref.	Nov-24	T(free)	0.21	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Iwasawa Beach/ Fukushima Pref.	Nov-24	T(free)	0.15	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Kumagawa River estuary/ Fukushima Pref.	Nov-24	T(free)	0.16	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea waterA (surface)	Off the coast of Fukushima Nuclear Power Plant1	Nov-24	T(free)	0.16	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea waterA (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-24	T(free)	0.14	Bq/L	±	0.04	Bq/L	0.04	Bq/L
Sea waterB (surface)	Off the coast of Fukushima Nuclear Power Plant1	Nov-24	T(free)	0.13	Bq/L	±	0.04	Bq/L	0.04	Bq/L
Sea waterB (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-24	T(free)	0.15	Bq/L	±	0.04	Bq/L	0.04	Bq/L
River water	Tadami Minamiaizu, Fukushima Pref.	Oct-24	T(free)	0.58	Bq/L	±	0.38	Bq/L	0.37	Bq/L
Sea water (surface)	Yotsukura Port/ Fukushima Pref.	May-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0006	Bq/L
Sea water (surface)	Ena Port/ Fukushima Pref.	May-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0006	Bq/L
Sea water (surface)	Onahama Port/ Fukushima Pref.	May-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0007	Bq/L
Sea water (surface)	Obama Port/ Fukushima Pref.	May-25	Sr90	0.0015	Bq/L	±	0.0004	Bq/L	0.0005	Bq/L
Sea water (surface)	Souma Port/ Fukushima pref.	Jun-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0005	Bq/L
Sea water (surface)	Murakami Beach/ Fukushima Pref.	Jun-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0005	Bq/L

(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
Sea water (surface)	Futaba Beach/ Fukushima Pref.	Jun-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0006 Bq/L
Sea waterB (lower)	Sendai Bay/ Miyagi Pref.	Apr-25	Sr90	0.0009 Bq/L	± 0.0004 Bq/L	0.0006 Bq/L
Sea waterC (surface)	Sendai Bay/ Miyagi Pref.	Apr-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0007 Bq/L
Sea waterC (lower)	Sendai Bay/ Miyagi Pref.	Apr-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0007 Bq/L
Soil	Numanouchi Park, Tairanumanouchi, iwaki	Aug-22	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/kg dry	1.55 Bq/kg dry
Soil	Ziseikinomori Park, Jyoubanyumoto, Iwaki	Sep-22	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/kg dry	1.52 Bq/kg dry

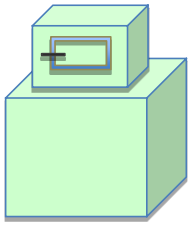
Mothers' Radiation Lab Fukushima

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%

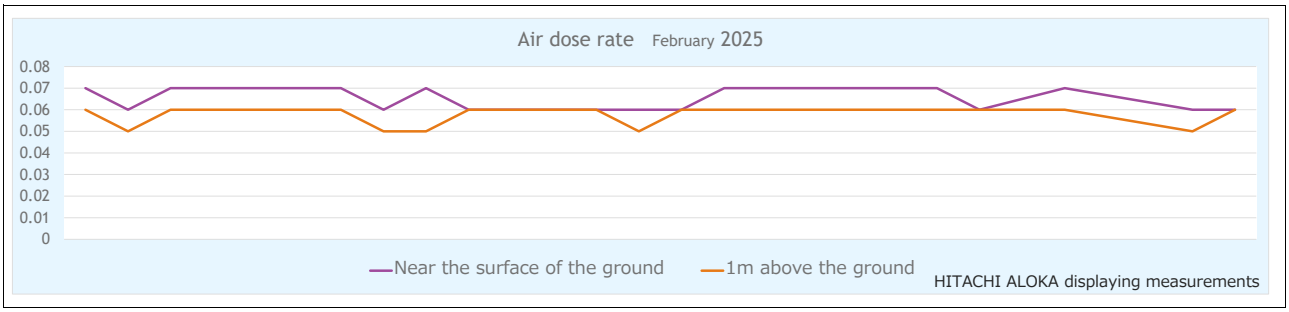
(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Sweet potato	Funehiki,Tamura, Fukushima Pref.	Mar-25	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.21 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Potato	Tokiwa,Tamura, Fukushima Pref.	Feb-25	OR	Cs137	0.14 Bq/kg raw	± 0.06 Bq/kg raw	0.14	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Burdock	Kitaibaraki, Ibaraki Pref.	Feb-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Japanese white radish	Fukushima Pref.	Jan-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Lotus root	Ibaraki Pref.	Feb-25	CA	Cs137	2.9 Bq/kg raw	± 0.1 Bq/kg raw	2.9	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Spinach	Iwaki City	Apr-25	OR	Cs137	0.05 Bq/kg raw	± 0.04 Bq/kg raw	0.05	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Cabbage	Namie,Futaba, Fukushima Pref.	Feb-25	CA	Cs137	0.23 Bq/kg raw	± 0.05 Bq/kg raw	0.23	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Canola flower	Iwaki City	Apr-25	CA	Cs137	0.06 Bq/kg raw	± 0.02 Bq/kg raw	0.06	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Yukina Flower	Miyagi Pref.	Apr-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.13 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Butterbur sprout	Iwaki City	Apr-25	CA	Cs137	0.95 Bq/kg raw	± 0.13 Bq/kg raw	0.95	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Butterbur sprout	Yamagata Pref.	Apr-25	CA	Cs137	0.22 Bq/kg raw	± 0.06 Bq/kg raw	0.22	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Hosta	Syounai, Yamagata Pref.	Apr-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.24 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Warabi(Bracken)	Yamagata Pref.	Apr-25	CA	Cs137	3.1 Bq/kg raw	± 0.15 Bq/kg raw	3.1	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Aralia sprout (root)	Iwaki City	Apr-25	OR	Cs137	0.08 Bq/kg raw	± 0.03 Bq/kg raw	0.08	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Kiwi fruit	Koriyama, Fukushima Pref.	Feb-25	OR	Cs137	0.36 Bq/kg raw	± 0.04 Bq/kg raw	0.36	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Red bean	Hokkaido	Feb-24	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.44 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw

Mothers' Radiation Lab Fukushima

Air dose rate June 2025

Measuring Instrument		Measuring Place
CsI Scintillation survey meter	NaI Scintillation survey meter	Yokocho Park, Onahama, Iwaki, Fukushima
⑧HITACHI ALOKA TCS-1172	⑦HORIBA Radi PA-1100	
		
Feature : Measuring air (space) radiation dose and radioactive surface contamination of human body and other things.		



	Measuring instrument	HORIBA Radi	
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/6/2		0.063	0.053
2025/6/3		0.072	0.063
2025/6/4		0.066	0.053
2025/6/5		0.067	0.062
2025/6/6		0.068	0.062
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
20025/6/9		0.062	0.058
20025/6/10		0.069	0.063
20025/6/11		0.080	0.073
20025/6/12		0.061	0.056
20025/6/13		0.064	0.056
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/6/16			
2025/6/17		0.059	0.053
2025/6/18		0.064	0.057
2025/6/19		0.066	0.058
2025/6/20		0.065	0.056
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/6/23		0.061	0.053
2025/6/24		0.057	0.051
2025/6/25		0.063	0.060
2025/6/26		0.064	0.053
2025/6/27		0.062	0.051
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/6/30		0.061	0.053