



# Radiation Measurement Results of 88 Items in December





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<br> | Product of BERTHOLD LB2045<br> | ・ Gamma-ray spectrometer with Na I scintillation detector.<br>Food (Sample 1kg) Lower limit 1.0Bq/Kg<br>Soil (Sample 1kg) Lower limit 2.5Bq/Kg<br>Material (Sample 1kg) Lower limit 1.0Bq/Kg<br>Water (Sample 20L) Lower limit 0.02Bq/L |
| ・ Gamma-ray spectrometer with Na I scintillation detector.  |   |   |

※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           | Funehiki, Tamura, Fukushima   | Oct-23         | Cs137              | — Bq/kg raw   | ±           | — Bq/kg raw   | Under Minimum Limit of Detection | Cs137                      | 1.0 Bq/kg raw |
|                  |                               |                | Cs134              | — Bq/kg raw   | ±           | — Bq/kg raw   |                                  | Cs134                      | 1.3 Bq/kg raw |
| Sweet potato     | Iitate, Soma, Fukushima       | Nov-23         | Cs137              | 9.8 Bq/kg raw | ±           | 2.5 Bq/kg raw | 9.8                              | Cs137                      | 2.3 Bq/kg raw |
|                  |                               |                | Cs134              | — Bq/kg raw   | ±           | — Bq/kg raw   |                                  | Cs134                      | 2.1 Bq/kg raw |
| Sweet potato     | Tomioka, Futaba, Fukushima    | Dec-23         | Cs137              | 1.9 Bq/kg raw | ±           | 1.2 Bq/kg raw | 1.9                              | Cs137                      | 1.6 Bq/kg raw |
|                  |                               |                | Cs134              | — Bq/kg raw   | ±           | — Bq/kg raw   |                                  | Cs134                      | 1.3 Bq/kg raw |
| Sweet potato     | Tomioka, Futaba, Fukushima    | Dec-23         | 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 |
| Sweet potato     | Kagamiishi, Iwase, Fukushima  | Nov-23         | 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 |
| Taro             | Nishida, Koriyama, Fukushima  | Nov-23         | 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 |
| Taro             | Nihonmatsu, Fukushima         | Nov-23         | Cs137              | — Bq/kg raw   | ±           | — Bq/kg raw   | Under Minimum Limit of Detection | Cs137                      | 1.5 Bq/kg raw |
|                  |                               |                | Cs134              | — Bq/kg raw   | ±           | — Bq/kg raw   |                                  | Cs134                      | 1.2 Bq/kg raw |
| Toroimo          | Furudono, Ishikawa, Fukushima | Nov-23         | 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                      | 1.1 Bq/kg raw |
| Yacon            | Otama, Adachi, Fukushima      | Nov-23         | 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                      | 2.4 Bq/kg raw |
| Yacon            | Iitate, Soma, Fukushima       | Nov-23         | 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 |
| Yacon            | Furukawa, Osaki, Miyagi       | Dec-23         | 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                      | 1.1 Bq/kg raw |
| Pumpkin          | Namie, Futaba, Fukushima      | Dec-23         | 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 |
| Pumpkin          | Iitate, Soma, Fukushima       | Dec-23         | 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                      | 1.2 Bq/kg raw |
| Spaghetti squash | Otama, Adachi, Fukushima      | Dec-23         | Cs137              | — Bq/kg raw   | ±           | — Bq/kg raw   | Under Minimum Limit of Detection | Cs137                      | 1.5 Bq/kg raw |
|                  |                               |                | Cs134              | — Bq/kg raw   | ±           | — Bq/kg raw   |                                  | Cs134                      | 1.2 Bq/kg raw |
| Turnip           | Namie, Futaba, Fukushima      | Dec-23         | 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 |
| Wax gourd        | Tomioka, Futaba, Fukushima    | Dec-23         | 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 |
| Green onion      | Kagamiishi, Iwase, Fukushima  | Nov-23         | 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 |

※"—" 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.

★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  | Ibaraki Pref.                          | Dec-23         | Cs137              | — Bq/kg raw     | ± — Bq/kg raw    | Under Minimum Limit of Detection | Cs137                  | 3.9 Bq/kg raw              |  |
|  |  |                | Cs134              | — Bq/kg raw     | ± — Bq/kg raw    |                                  | Cs134                  | 3.6 Bq/kg raw              |  |
| Cauliflower  | Furukawa,Osaki, Miyagi                 | Dec-23         | 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                  | 3.1 Bq/kg raw              |  |
| Garland chrysanthemum                              | Tomioka, Futaba, Fukushima             | Dec-23         | 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              |  |
| Kelp(raw)  | Sanriku/Iwate Pref.                    | Nov-23         | Cs137              | — Bq/kg raw     | ± — Bq/kg raw    | Under Minimum Limit of Detection | Cs137                  | 1.1 Bq/kg raw              |  |
|  |  |                | Cs134              | — Bq/kg raw     | ± — Bq/kg raw    |                                  | Cs134                  | 1.0 Bq/kg raw              |  |
| Shiitake mushroom (bacteria-bed)                   | Taiwa, Kurokawa, Miyagi                | Dec-23         | Cs137              | — Bq/kg raw     | ± — Bq/kg raw    | Under Minimum Limit of Detection | Cs137                  | 1.7 Bq/kg raw              |  |
|  |  |                | Cs134              | — Bq/kg raw     | ± — Bq/kg raw    |                                  | Cs134                  | 1.4 Bq/kg raw              |  |
| Apple  | Miharu, Tamura, Fukushima              | Nov-23         | 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                  | 2.2 Bq/kg raw              |  |
| Apple  | Onoda, Kami, Miyagi                    | Dec-23         | 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              |  |
| Kiwi fruit   | Furukawa,Osaki, Miyagi                 | Dec-23         | 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                  | 1.1 Bq/kg raw              |  |
| Kiwi fruit   | Naraha, Futaba, Fukushima              | Dec-23         | 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              |  |
| Yuzu   | Naraha, Futaba, Fukushima              | Dec-23         | Cs137              | — Bq/kg raw     | ± — Bq/kg raw    | Under Minimum Limit of Detection | Cs137                  | 1.5 Bq/kg raw              |  |
|  |  |                | Cs134              | — Bq/kg raw     | ± — Bq/kg raw    |                                  | Cs134                  | 1.3 Bq/kg raw              |  |
| Thread konjac                                      | Japan (production)                     | Oct-23         | 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              |  |
| Popcorn(seed)                                      | Date, Fukushima                        | Dec-23         | 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              |  |
| Soil(in the park) Picnic garden                    | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 437.0 Bq/kg dry | ± 46.2 Bq/kg dry | 446.4                            | Cs137                  | 2.9 Bq/kg dry              |  |
|  |  |                | Cs134              | 9.4 Bq/kg dry   | ± 1.6 Bq/kg dry  |                                  | Cs134                  | 3.7 Bq/kg dry              |  |
| Soil(in the park) Picnic garden                    | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 400.0 Bq/kg dry | ± 42.1 Bq/kg dry | 409.3                            | Cs137                  | 2.7 Bq/kg dry              |  |
|  |  |                | Cs134              | 9.3 Bq/kg dry   | ± 1.7 Bq/kg dry  |                                  | Cs134                  | 3.5 Bq/kg dry              |  |
| Soil(in the park) Picnic garden                    | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 315.0 Bq/kg dry | ± 32.5 Bq/kg dry | 320.6                            | Cs137                  | 1.4 Bq/kg dry              |  |
|  |  |                | Cs134              | 5.6 Bq/kg dry   | ± 0.9 Bq/kg dry  |                                  | Cs134                  | 1.8 Bq/kg dry              |  |
| Soil(in the park) Picnic garden                    | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 364.0 Bq/kg dry | ± 37.6 Bq/kg dry | 371.0                            | Cs137                  | 1.5 Bq/kg dry              |  |
|  |  |                | Cs134              | 7.0 Bq/kg dry   | ± 1.1 Bq/kg dry  |                                  | Cs134                  | 1.8 Bq/kg dry              |  |
| Soil(in the park) Picnic garden                    | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 156.0 Bq/kg dry | ± 16.9 Bq/kg dry | 156.0                            | Cs137                  | 3.4 Bq/kg dry              |  |
|  |  |                | Cs134              | — Bq/kg dry     | ± — Bq/kg dry    |                                  | Cs134                  | 3.0 Bq/kg dry              |  |
| Soil(in the park) Picnic garden under the tree④    | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 457.0 Bq/kg dry | ± 46.9 Bq/kg dry | 464.6                            | Cs137                  | 1.7 Bq/kg dry              |  |
|  |  |                | Cs134              | 7.6 Bq/kg dry   | ± 1.2 Bq/kg dry  |                                  | Cs134                  | 2.0 Bq/kg dry              |  |
| Soil(in the park) Picnic garden round bench        | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 201.0 Bq/kg dry | ± 21.0 Bq/kg dry | 205.4                            | Cs137                  | 1.4 Bq/kg dry              |  |
|  |  |                | Cs134              | 4.4 Bq/kg dry   | ± 0.8 Bq/kg dry  |                                  | Cs134                  | 1.8 Bq/kg dry              |  |
| Soil(in the park) Picnic garden Drinking fountain④ | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 133.0 Bq/kg dry | ± 14.5 Bq/kg dry | 133.0                            | Cs137                  | 3.2 Bq/kg dry              |  |
|  |  |                | Cs134              | — Bq/kg dry     | ± — Bq/kg dry    |                                  | Cs134                  | 2.9 Bq/kg dry              |  |
| Soil(in the park) Picnic garden Drinking fountain② | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 435.0 Bq/kg dry | ± 45.5 Bq/kg dry | 443.4                            | Cs137                  | 2.8 Bq/kg dry              |  |
|  |  |                | Cs134              | 8.4 Bq/kg dry   | ± 1.6 Bq/kg dry  |                                  | Cs134                  | 3.2 Bq/kg dry              |  |
| Soil(in the park) Picnic garden square bench       | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 186.0 Bq/kg dry | ± 20.1 Bq/kg dry | 186.0                            | Cs137                  | 3.7 Bq/kg dry              |  |
|  |  |                | Cs134              | — Bq/kg dry     | ± — Bq/kg dry    |                                  | Cs134                  | 3.4 Bq/kg dry              |  |
| Soil(in the park) Picnic garden beside the stove   | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 61.5 Bq/kg dry  | ± 6.8 Bq/kg dry  | 61.5                             | Cs137                  | 1.9 Bq/kg dry              |  |
|  |  |                | Cs134              | — Bq/kg dry     | ± — Bq/kg dry    |                                  | Cs134                  | 1.7 Bq/kg dry              |  |
| Soil(in the park) Picnic garden pavilion           | Misaki Park Onahama-shimokajiro, Iwaki | Nov-23         | Cs137              | 689.0 Bq/kg dry | ± 73.1 Bq/kg dry | 705.5                            | Cs137                  | 5.1 Bq/kg dry              |  |
|  |  |                | Cs134              | 16.5 Bq/kg dry  | ± 3.2 Bq/kg dry  |                                  | Cs134                  | 6.3 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.



★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)<br>Picnic garden<br>under the tree②       | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 317.0 <small>Bq/kg dry</small> | ± 32.8 <small>Bq/kg dry</small> | 322.9                                  | Cs137                  | 1.7 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 5.9 <small>Bq/kg dry</small>   | ± 1.0 <small>Bq/kg dry</small>  |  | Cs134                  | 2.0 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 524.0 <small>Bq/kg dry</small> | ± 53.5 <small>Bq/kg dry</small> | 533.0                                  | Cs137                  | 1.4 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 9.0 <small>Bq/kg dry</small>   | ± 1.2 <small>Bq/kg dry</small>  |  | Cs134                  | 1.7 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 277.0 <small>Bq/kg dry</small> | ± 28.7 <small>Bq/kg dry</small> | 281.3                                  | Cs137                  | 1.5 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 4.3 <small>Bq/kg dry</small>   | ± 0.8 <small>Bq/kg dry</small>  |  | Cs134                  | 1.8 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 363.0 <small>Bq/kg dry</small> | ± 37.3 <small>Bq/kg dry</small> | 370.9                                  | Cs137                  | 1.5 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 7.9 <small>Bq/kg dry</small>   | ± 1.2 <small>Bq/kg dry</small>  |  | Cs134                  | 1.8 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 242.0 <small>Bq/kg dry</small> | ± 25.1 <small>Bq/kg dry</small> | 246.7                                  | Cs137                  | 1.3 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 4.7 <small>Bq/kg dry</small>   | ± 0.8 <small>Bq/kg dry</small>  |  | Cs134                  | 1.5 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai<br>pavilion                  | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 206.0 <small>Bq/kg dry</small> | ± 22.4 <small>Bq/kg dry</small> | 206.0                                  | Cs137                  | 4.2 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    |  | Cs134                  | 3.8 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 529.0 <small>Bq/kg dry</small> | ± 54.2 <small>Bq/kg dry</small> | 538.9                                  | Cs137                  | 1.6 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 9.9 <small>Bq/kg dry</small>   | ± 1.4 <small>Bq/kg dry</small>  |  | Cs134                  | 1.7 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 229.0 <small>Bq/kg dry</small> | ± 23.8 <small>Bq/kg dry</small> | 232.9                                  | Cs137                  | 1.2 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 3.9 <small>Bq/kg dry</small>   | ± 0.7 <small>Bq/kg dry</small>  |  | Cs134                  | 1.4 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai                              | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 230.0 <small>Bq/kg dry</small> | ± 23.9 <small>Bq/kg dry</small> | 234.3                                  | Cs137                  | 1.2 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 4.3 <small>Bq/kg dry</small>   | ± 0.7 <small>Bq/kg dry</small>  |  | Cs134                  | 1.4 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai<br>under the bench①          | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 283.0 <small>Bq/kg dry</small> | ± 29.9 <small>Bq/kg dry</small> | 287.8                                  | Cs137                  | 2.3 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 4.8 <small>Bq/kg dry</small>   | ± 1.1 <small>Bq/kg dry</small>  |  | Cs134                  | 2.8 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai<br>under the bench②          | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 422.0 <small>Bq/kg dry</small> | ± 43.3 <small>Bq/kg dry</small> | 430.3                                  | Cs137                  | 1.4 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 8.3 <small>Bq/kg dry</small>   | ± 1.2 <small>Bq/kg dry</small>  |  | Cs134                  | 1.6 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai<br>under the vending machine | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 196.0 <small>Bq/kg dry</small> | ± 20.5 <small>Bq/kg dry</small> | 199.8                                  | Cs137                  | 1.3 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 3.8 <small>Bq/kg dry</small>   | ± 0.7 <small>Bq/kg dry</small>  |  | Cs134                  | 1.5 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>Shiomidai<br>under the bench③          | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | Cs137              | 245.0 <small>Bq/kg dry</small> | ± 25.3 <small>Bq/kg dry</small> | 249.4                                  | Cs137                  | 1.3 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 4.4 <small>Bq/kg dry</small>   | ± 0.8 <small>Bq/kg dry</small>  |  | Cs134                  | 1.6 <small>Bq/kg dry</small> |  |
| Soil<br>(in the park)                                       | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 113.0 <small>Bq/kg dry</small> | ± 12.0 <small>Bq/kg dry</small> | 113.0                                  | Cs137                  | 1.9 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    |  | Cs134                  | 1.8 <small>Bq/kg dry</small> |  |
| Soil<br>(in the park)                                       | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 365.0 <small>Bq/kg dry</small> | ± 38.2 <small>Bq/kg dry</small> | 370.3                                  | Cs137                  | 2.4 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 5.3 <small>Bq/kg dry</small>   | ± 1.1 <small>Bq/kg dry</small>  |  | Cs134                  | 3.0 <small>Bq/kg dry</small> |  |
| Soil<br>(in the park)                                       | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 303.0 <small>Bq/kg dry</small> | ± 31.1 <small>Bq/kg dry</small> | 309.3                                  | Cs137                  | 1.2 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 6.3 <small>Bq/kg dry</small>   | ± 0.9 <small>Bq/kg dry</small>  |  | Cs134                  | 1.4 <small>Bq/kg dry</small> |  |
| Soil<br>(in the park)                                       | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 185.0 <small>Bq/kg dry</small> | ± 19.2 <small>Bq/kg dry</small> | 189.2                                  | Cs137                  | 1.1 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 4.2 <small>Bq/kg dry</small>   | ± 0.7 <small>Bq/kg dry</small>  |  | Cs134                  | 1.3 <small>Bq/kg dry</small> |  |
| Soil<br>(in the park)                                       | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 90.1 <small>Bq/kg dry</small>  | ± 10.1 <small>Bq/kg dry</small> | 90.1                                   | Cs137                  | 2.8 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    |  | Cs134                  | 2.6 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>under the slide                        | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    | Under Minimum<br>Limit of<br>Detection | Cs137                  | 0.9 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    |  | Cs134                  | 0.9 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>under the bench④                       | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 407.0 <small>Bq/kg dry</small> | ± 42.4 <small>Bq/kg dry</small> | 413.4                                  | Cs137                  | 2.3 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 6.4 <small>Bq/kg dry</small>   | ± 1.2 <small>Bq/kg dry</small>  |  | Cs134                  | 2.8 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>under the horizontal<br>bar            | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 212.0 <small>Bq/kg dry</small> | ± 22.1 <small>Bq/kg dry</small> | 217.2                                  | Cs137                  | 1.4 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | 5.2 <small>Bq/kg dry</small>   | ± 0.9 <small>Bq/kg dry</small>  |  | Cs134                  | 1.7 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>rotating play<br>equipment             | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 34.2 <small>Bq/kg dry</small>  | ± 3.8 <small>Bq/kg dry</small>  | 34.2                                   | Cs137                  | 1.0 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    |  | Cs134                  | 1.3 <small>Bq/kg dry</small> |  |
| Soil(in the park)<br>under the swing                        | Ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | Cs137              | 99.2 <small>Bq/kg dry</small>  | ± 10.8 <small>Bq/kg dry</small> | 99.2                                   | Cs137                  | 2.4 <small>Bq/kg dry</small> |  |
|   |  |                | Cs134              | — <small>Bq/kg dry</small>     | ± — <small>Bq/kg dry</small>    |  | Cs134                  | 2.2 <small>Bq/kg dry</small> |  |

※"—" 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.



★Gamma-ray

| Measuring instrument             |                 | Feature  | Guide to lower limit※   |
|----------------------------------|-----------------|--|---|
| Germanium Semiconductor detector |                 |  |   |
| ORTEC GEM30-70                   | CANBERRA GC4020 | <ul style="list-style-type: none"> <li>Radioactivity measurement series.</li> <li>Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector."</li> <li>ORTEC GEM30-70 Relative efficiency 35%</li> <li>CANBERRA GC4020 Relative efficiency 43%</li> </ul> | Food (Sample 2kg) Lower limit 0.04Bq/Kg<br>Soil (Sample 1kg) Lower limit 0.06Bq/Kg<br>Material (Sample 1kg) Lower limit 0.06Bq/Kg<br>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                              | Iitate,Soma, Fukushima             | Oct-23         | 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                      | 0.07 Bq/kg raw |
| Rice                              | Hokkaido Pref.                     | Oct-23         | OR                        | 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 |
| Rice (with rice husk)             | Date,Fukushima                     | Oct-23         | OR                        | Cs137              | 0.4 Bq/kg raw   | ±           | 0.04 Bq/kg raw | 0.4                              | Cs137                      | 0.07 Bq/kg raw |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.09 Bq/kg raw |
| Wheat                             | Date,Fukushima                     | Jul-23         | OR                        | Cs137              | 0.5 Bq/kg raw   | ±           | 0.05 Bq/kg raw | 0.5                              | Cs137                      | 0.08 Bq/kg raw |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.09 Bq/kg raw |
| Lotus root                        | Tokushima Pref.                    | Nov-23         | 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  |
| Dried persimmon                   | Miharu,Tamura, Fukushima           | Dec-23         | OR                        | Cs137              | — Bq/kg raw     | ±           | — Bq/kg raw    | Under Minimum Limit of Detection | Cs137                      | 0.9 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 1.0 Bq/kg raw  |
| Yuzu                              | Obama,Iwaki, Fukushima             | Dec-23         | OR                        | Cs137              | 0.2 Bq/kg raw   | ±           | 0.03 Bq/kg raw | 0.2                              | Cs137                      | 0.07 Bq/kg raw |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.07 Bq/kg raw |
| Yuzu                              | Izumigaoka,Iwaki, Fukushima        | Dec-23         | OR                        | 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  |
| Yuzu (pulp)                       | Kumagawa, Okuma, Futaba, Fukushima | Dec-23         | CA                        | Cs137              | 190.2 Bq/kg raw | ±           | 3.5 Bq/kg raw  | 193.2                            | Cs137                      | 1.7 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | 3.0 Bq/kg raw   | ±           | 0.60 Bq/kg raw |                                  | Cs134                      | 1.5 Bq/kg raw  |
| Yuzu(peel)                        | Kumagawa, Okuma, Futaba, Fukushima | Dec-23         | OR                        | Cs137              | 302.8 Bq/kg raw | ±           | 6.4 Bq/kg raw  | 309.4                            | Cs137                      | 2.7 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | 6.6 Bq/kg raw   | ±           | 1.4 Bq/kg raw  |                                  | Cs134                      | 2.6 Bq/kg raw  |
| Deep-sea smelt                    | Fukushima Pref.                    | Dec-23         | 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                      | 0.08 Bq/kg raw |
| Nibe croaker (White croaker)      | Fukushima Pref.                    | Nov-23         | CA                        | Cs137              | 0.2 Bq/kg raw   | ±           | 0.09 Bq/kg raw | 0.2                              | Cs137                      | 0.1 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.1 Bq/kg raw  |
| Nibe croaker (White croaker)      | Ukedo port/ Fukushima Pref.        | Jun-23         | CA                        | Cs137              | 0.5 Bq/kg raw   | ±           | 0.1 Bq/kg raw  | 0.5                              | Cs137                      | 0.2 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.2 Bq/kg raw  |
| Surfperch                         | Fukushima Pref.                    | Nov-23         | CA                        | Cs137              | 0.3 Bq/kg raw   | ±           | 0.08 Bq/kg raw | 0.3                              | Cs137                      | 0.1 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.1 Bq/kg raw  |
| Sea robin                         | Hisanohama Port/ Iwaki, Fukushima  | Nov-23         | OR                        | Cs137              | 0.2 Bq/kg raw   | ±           | 0.1 Bq/kg raw  | 0.2                              | Cs137                      | 0.1 Bq/kg raw  |
|                                   |                                    |                |                           | Cs134              | — Bq/kg raw     | ±           | — Bq/kg raw    |                                  | Cs134                      | 0.1 Bq/kg raw  |
| Skipjack tuna                     | Nakanosaku Port/ Iwaki, Fukushima  | Jul-23         | 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                      | 0.3 Bq/kg raw  |
| Yellowfin tuna                    | Nakanosaku Port/ Iwaki, Fukushima  | Jul-23         | 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  |
| Baby sardines (katakuchi sardine) | Kyoto Pref.                        | Nov-23         | 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  |
| Honey                             | Date,Fukushima                     | Oct-23         | OR                        | 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                      | 0.2 Bq/kg raw  |
| Salt                              | Nakoso Coast/ Fukushima Pref.      | Dec-23         | 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  |

※"\_"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.

★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 |  |
|---------------------------------------|--|----------------|---------------------------|--------------------|-----------------|-----------------|-------|------------------------|----------------------------|--|
|                                       |  |                |                           |                    |                 |                 |       |                        |                            |  |
| Soil(in the park)<br>Picnic garden    | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | OR                        | Cs137              | 261.0 Bq/kg dry | ± 5.6 Bq/kg dry | 266.6 | Cs137                  | 2.3 Bq/kg dry              |  |
|                                       |  |                |                           | Cs134              | 5.6 Bq/kg dry   | ± 1.3 Bq/kg dry |       | Cs134                  | 2.5 Bq/kg dry              |  |
| Soil(in the park)<br>Shiomidai        | Misaki Park<br>Onahama-<br>shimokajiro, Iwaki                      | Nov-23         | OR                        | Cs137              | 255.2 Bq/kg dry | ± 5.5 Bq/kg dry | 261.5 | Cs137                  | 2.6 Bq/kg dry              |  |
|                                       |  |                |                           | Cs134              | 6.3 Bq/kg dry   | ± 1.4 Bq/kg dry |       | Cs134                  | 2.6 Bq/kg dry              |  |
| Soil(in the park)<br>under the bench② | ichichoda children's<br>Amusement Park 2,<br>Jobanshiratori, Iwaki | Nov-23         | OR                        | Cs137              | 343.7 Bq/kg dry | ± 6.1 Bq/kg dry | 349.7 | Cs137                  | 2.6 Bq/kg dry              |  |
|                                       |  |                |                           | Cs134              | 6.0 Bq/kg dry   | ± 1.4 Bq/kg dry |       | Cs134                  | 2.6 Bq/kg dry              |  |
| Ash<br>(Camellia trunk)               | Izumigaoka, Iwaki,<br>Fukushima                                    | Aug-23         | OR                        | Cs137              | 194.7 Bq/kg raw | ± 2.3 Bq/kg raw | 198.1 | Cs137                  | 1.9 Bq/kg raw              |  |
|                                       |  |                |                           | Cs134              | 3.4 Bq/kg raw   | ± 0.9 Bq/kg raw |       | Cs134                  | 1.9 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.





# Measurement results of 16 items by germanium semiconductor detector

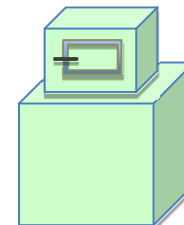
Dr.Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

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%

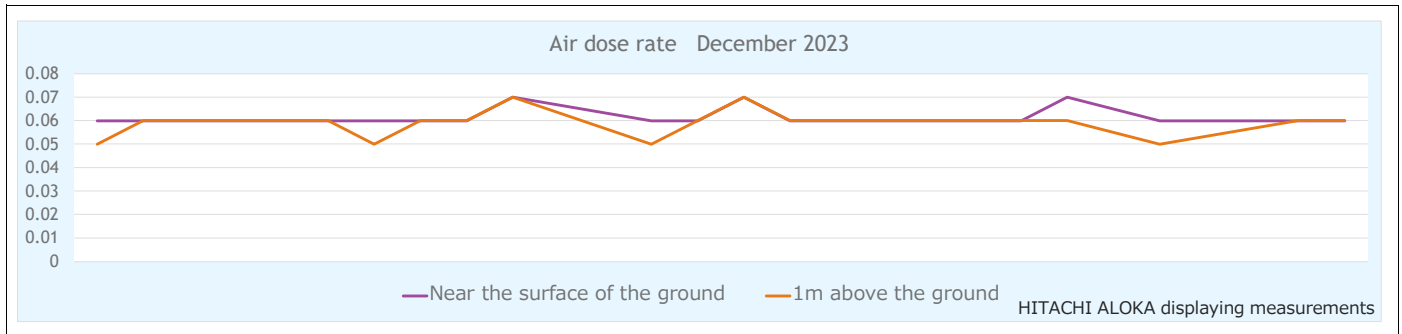


(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

| Samples                                   | Sampling Point                 | Sampling Month | Measuring instrument type | Measurement Result |                | Uncertainty      |                                  | Total Amount of Cesium | Minimum Limit of Detection |       |
|---|--------------------------------|----------------|---------------------------|--------------------|----------------|------------------|----------------------------------|------------------------|----------------------------|-------|
|   |                                |                |                           | Cs137              | Cs134          | ±                | ±                                |                        | Cs137                      | Cs134 |
| Potato                                    | Okuma, Futaba, Fukuhsima       | Oct-23         | OR                        | Cs137              | 8.2 Bq/kg raw  | ± 0.2 Bq/kg raw  | 8.32                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | 0.12 Bq/kg raw | ± 0.04 Bq/kg raw |                                  | Cs134                  | Bq/kg raw                  |       |
| Pumpkin                                   | Kawamata, Date, Fukushima      | Sep-23         | OR                        | Cs137              | 0.30 Bq/kg raw | ± 0.05 Bq/kg raw | 0.30                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Butternut                                 | Iitate, Soma, Fukushima        | Sep-23         | CA                        | Cs137              | 2.1 Bq/kg raw  | ± 0.08 Bq/kg raw | 2.1                              | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Asparagus                                 | Tamura, Koriyama, Fukushima    | Oct-23         | OR                        | Cs137              | 0.05 Bq/kg raw | ± 0.02 Bq/kg raw | 0.05                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Broccoli                                  | Fukushima Pref.                | Oct-23         | 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                  | Bq/kg raw                  |       |
| Wasabi greens                             | Mihota, Koriyama, Fukushima    | Nov-23         | CA                        | Cs137              | 0.14 Bq/kg raw | ± 0.07 Bq/kg raw | 0.14                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Moroccan green bean                       | Iwaki, Fukushima               | Oct-23         | CA                        | Cs137              | 0.08 Bq/kg raw | ± 0.04 Bq/kg raw | 0.08                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Green perilla seed                        | Nishida, Koriyama, Fukushima   | Oct-23         | OR                        | Cs137              | — Bq/kg raw    | ± — Bq/kg raw    | Under Minimum Limit of Detection | Cs137                  | 0.6 Bq/kg raw              |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Persimmon                                 | Hobara, Date, Fukushima        | Oct-23         | CA                        | Cs137              | 0.91 Bq/kg raw | ± 0.09 Bq/kg raw | 0.91                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Japanese pear                             | Sukagawa, Fukushima            | Oct-23         | OR                        | Cs137              | 0.65 Bq/kg raw | ± 0.05 Bq/kg raw | 0.65                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Shine Muscat                              | Yanagawa, Date, Fukushima      | Oct-23         | CA                        | Cs137              | 0.33 Bq/kg raw | ± 0.06 Bq/kg raw | 0.33                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Apple                                     | Fukushima, Fukushima Pref.     | Oct-23         | OR                        | Cs137              | 0.24 Bq/kg raw | ± 0.03 Bq/kg raw | 0.24                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Huckleberry                               | Aizubange, Kawanuma, Fukushima | Oct-23         | OR                        | Cs137              | 0.79 Bq/kg raw | ± 0.04 Bq/kg raw | 0.79                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Fig                                       | Miharu, Tamura, Fukushima      | Oct-23         | OR                        | Cs137              | 0.07 Bq/kg raw | ± 0.02 Bq/kg raw | 0.07                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |
| Shiitake mushroom (grown on logs)         | Nakata, Koriyama, Fukushima    | Sep-23         | CA                        | Cs137              | 9.7 Bq/kg raw  | ± 0.1 Bq/kg raw  | 9.81                             | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | 0.11 Bq/kg raw | ± 0.02 Bq/kg raw |                                  | Cs134                  | Bq/kg raw                  |       |
| Shiitake mushroom (grown in bacteria-bed) | Ibaraki Pref.                  | Sep-23         | CA                        | Cs137              | 3.4 Bq/kg raw  | ± 0.1 Bq/kg raw  | 3.4                              | Cs137                  | Bq/kg raw                  |       |
|   |                                |                |                           | Cs134              | — Bq/kg raw    | ± — Bq/kg raw    |                                  | Cs134                  | Bq/kg raw                  |       |

# Air dose rate December 2023

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



|                | Measuring instrument | HITACHI ALOKA                                      | HORIBA Radi | HITACHI ALOKA                           | HORIBA Radi |
|----------------|----------------------|--|-------------|---|-------------|
| Measuring Date | Weather              | Near the surface of the ground( $\mu\text{Sv/h}$ ) |             | 1m above the ground( $\mu\text{Sv/h}$ ) |             |
| 2023/12/1      | ☀                    | 0.06   | 0.064       | 0.05                                    | 0.054       |
| Measuring Date | Weather              | Near the surface of the ground( $\mu\text{Sv/h}$ ) |             | 1m above the ground( $\mu\text{Sv/h}$ ) |             |
| 2023/12/4      | ☀                    | 0.06   | 0.068       | 0.06                                    | 0.064       |
| 2023/12/5      | ☀                    | 0.06   | 0.061       | 0.06                                    | 0.059       |
| 2023/12/6      | ☁                    | 0.06   | 0.063       | 0.06                                    | 0.055       |
| 2023/12/7      | ☀                    | 0.06   | 0.068       | 0.05                                    | 0.067       |
| 2023/12/8      | ☀                    | 0.06   | 0.069       | 0.06                                    | 0.066       |
| Measuring Date | Weather              | Near the surface of the ground( $\mu\text{Sv/h}$ ) |             | 1m above the ground( $\mu\text{Sv/h}$ ) |             |
| 2023/12/11     | ☀                    | 0.06   | 0.065       | 0.06                                    | 0.059       |
| 2023/12/12     | ☔/☁                  | 0.07   | 0.058       | 0.07                                    | 0.058       |
| 2023/12/13     | ☀                    | 0.06   | 0.068       | 0.05                                    | 0.065       |
| 2023/12/14     | ☁                    | 0.06   | 0.063       | 0.06                                    | 0.061       |
| 2023/12/15     | ☔                    | 0.07   | 0.074       | 0.07                                    | 0.065       |
| Measuring Date | Weather              | Near the surface of the ground( $\mu\text{Sv/h}$ ) |             | 1m above the ground( $\mu\text{Sv/h}$ ) |             |
| 2023/12/18     | ☀                    | 0.06   | 0.067       | 0.06                                    | 0.064       |
| 2023/12/19     | ☁                    | 0.06   | 0.065       | 0.06                                    | 0.062       |
| 2023/12/20     | ☁                    | 0.07   | 0.062       | 0.06                                    | 0.058       |
| 2023/12/21     | ☀                    | 0.06   | 0.065       | 0.05                                    | 0.063       |
| 2023/12/22     | ☁                    | 0.06   | 0.058       | 0.06                                    | 0.054       |
| Measuring Date | Weather              | Near the surface of the ground( $\mu\text{Sv/h}$ ) |             | 1m above the ground( $\mu\text{Sv/h}$ ) |             |
| 2023/12/25     | ☀                    | 0.06   | 0.060       | 0.06                                    | 0.059       |
| 2023/12/26     | ☀                    | 0.06   | 0.064       | 0.06                                    | 0.062       |
| 2023/12/27     | ☀                    | 0.06   | 0.074       | 0.06                                    | 0.062       |