**Supplementary Tables and Figures**

**Table S1.** Fertilizer recommendation for the selected vegetables by the Department of Agriculture, Sri Lanka

|  |  |  |  |
| --- | --- | --- | --- |
| Crop | Recommended rate (kg/ha) | | |
| Urea | Triple super phosphate | Muriate of potash |
| Carrot | 330 | 270 | 170 |
| Cabbage | 330 | 270 | 225 |
| Potato | 330 | 270 | 250 |

Source: DOA, 2021

**Table S2.** Maximum permissible limits of the toxic trace elements in selected vegetables

|  |  |  |  |
| --- | --- | --- | --- |
| Crop type | Maximum permissible limits (mg/kg) | | |
| As | Cd | Pb |
| Brassica/  Leafy vegetables | 0.5 (GAIN, 2014) | 0.2 (EU, 2006)  0.05 (FAO/WHO, 2019) | 0.1 (FAO/WHO, 2019) |
| Root or tuber crops | 0.5 (GAIN, 2014) | 0.05 (EU, 2006)  0.1 (FAO/WHO, 2019)  0.05 (GAIN, 2014) | 0.1 (FAO/WHO, 2019)  0.1 (EU, 2006)  0.1 (GAIN, 2014) |