

**Nitrate and Nitrite Concentrations in Vegetables (mg/kg)**

Vegetables	Number of samples	Nitrate		Nitrite	
		Mean	Range	Mean	Range
<b>Leafy Vegetables (including Brassica Leafy Vegetables)</b>	<b>20 (types)</b>	<b>2 100</b>	<b>79-6 300</b>	<b>1.2</b>	<b>ND-9.1</b>
Baby Chinese cabbage	10	2 100	540-2 800	0.6	ND-1.2
Bean shoot <sup>a</sup>	5	260	120-430	0.5	ND-0.9
Ceylon spinach <sup>b</sup>	5	1 100	79-2 300	ND	ND
Chinese spinach/Chinese amaranth <sup>b</sup>	5	4 800	3 700-6 300	1.7	0.9-2.6
Chinese cabbage/ Tienntsin cabbage	10	1 300	480-2 900	0.6	ND-1.2
Chinese flowering cabbage	10	2 400	1 200-3 500	3.3	ND-7.8
Chinese kale	10	1 600	340-2 700	1.6	ND-5.9
Chinese lettuce	10	1 300	670-1 800	0.5	ND-1.3
Chinese wolfberry	10	2 400	1 400-3 000	1.1	ND-1.7
Coriander	10	3 200	1 800-5 000	0.6	ND-1.1
European lettuce	10	950	600-1 400	0.5	ND-1.0
Green water spinach	10	870	190-2 500	0.5	ND-1.2
Indian lettuce	10	1 300	510-1 900	0.5	ND-0.9
Leaf mustard	10	3 300	2 100-4 500	1.2	ND-2.2
Petiole Chinese cabbage/Petiole bok choi	10	4 100	2 300-5 400	2.6	ND-9.1
Red Chinese spinach <sup>b</sup>	5	2 000	94-3 900	1.3	0.8-1.9
Shanghai cabbage	10	3 600	2 300-5 100	2.2	ND-5.0
Spinach	10	3 100	1 100-4 700	2.3	ND-5.7
Watercress	10	1 300	580-2 200	0.7	ND-1.9
White water spinach <sup>b</sup>	5	1 200	290-2 400	0.6	ND-1.6
<b>Brassica (Cole or Cabbage) Vegetables, Head Cabbages, Flowerhead Cabbages</b>	<b>3 (types)</b>	<b>620</b>	<b>16-2 800</b>	<b>0.5</b>	<b>ND-0.9</b>
Broccoli	10	420	280-670	0.5	ND-0.9
Cauliflower	10	250	25-720	0.5	ND-1.1
European variety cabbage	10	1 200	16-2 800	0.5	ND-0.9
<b>Stalk and Stem Vegetables</b>	<b>6 (types)</b>	<b>830</b>	<b>8-4 600</b>	<b>0.6</b>	<b>ND-4.4</b>
Asparagus	10	21	14-37	0.5	ND-1.3
Bamboo shoot <sup>b</sup>	5	130	54-240	ND	ND
Celery	10	1 700	390-3 200	ND	ND
Chinese celery	10	3 100	1 800-4 600	0.6	ND-1.2

Mung bean sprouts	10	18	8-37	1.3	ND-4.4
Soybean sprouts	10	20	10-32	0.5	ND-1.6
<b>Bulb Vegetables</b>	<b>7 (types)</b>	<b>520</b>	<b>5-2 300</b>	<b>1.3</b>	<b>ND-21</b>
Blanching chives	10	320	76-620	0.7	ND-1.8
Bud chives	10	310	37-540	0.9	ND-2.1
Chinese chives	10	1 500	120-2 300	1.2	ND-4.0
Garlic bulb	10	18	9-33	0.8	ND-1.8
Garlic spears	10	780	81-2 300	4.0	ND-21
Onion	10	13	5-36	0.5	ND-1.1
Spring onion	10	680	100-1 400	0.7	ND-1.4
<b>Legumes Vegetables</b>	<b>5 (types)</b>	<b>140</b>	<b>ND-830</b>	<b>0.5</b>	<b>ND-1.4</b>
Common bean	23	470	170-830	0.5	ND-1.0
Green soybean	10	18	5-34	0.6	ND-1.2
Green String beans	10	190	23-420	ND	ND
Snow pea	10	13	ND-26	0.6	ND-1.2
Sugar snap pea	10	10	7-13	0.6	ND-1.4
<b>Root and Tuber Vegetables</b>	<b>13 (types)</b>	<b>720</b>	<b>ND-4 100</b>	<b>1.1</b>	<b>ND-8.9</b>
Beetroot <sup>b</sup>	5	3 000	1 600-4100	7.6	3.1-8.9
Carrot	10	220	43-490	0.5	ND-1.1
Ginger	10	1 300	790-1 800	0.8	ND-3.7
Kudzu	10	230	120-390	0.5	ND-1.2
Lotus root	10	33	9-60	1.3	ND-2.6
Potato	10	180	100-270	0.8	ND-1.7
Radish, Chinese green	10	1 900	1 400-2 600	0.4	ND-0.8
Radish, Chinese red	10	300	60-740	ND	ND
Radish, Chinese white	10	1 400	630-2 200	0.5	ND-0.9
Sweet potato	10	43	ND-220	ND	ND
Taro	10	570	49-1 300	0.5	ND-1.1
Water chestnuts	10	20	11-36	0.7	ND-1.5
Yam beans	10	170	39-400	0.5	ND-1.1

<b>Fruiting Vegetables, Cucurbits</b>	<b>7 (types)</b>	<b>370</b>	<b>11-1 400</b>	<b>0.6</b>	<b>ND-2.2</b>
Bitter gourd	10	380	99-730	0.7	ND-1.7
Cucumber	10	110	28-260	0.5	ND-0.9
Hairy gourd	10	250	190-340	0.6	ND-1.2
Pumpkin	10	260	11-810	0.8	ND-2.2
Sponge gourd	10	260	30-470	ND	ND
Wax gourd/Winter melon	10	520	260-1 000	0.5	ND-1.0
Zucchini/Jade melon	10	840	480-1 400	0.7	ND-1.3
<b>Fruiting Vegetables, Mushrooms</b>	<b>6 (types)</b>	<b>14</b>	<b>ND-140</b>	<b>0.7</b>	<b>ND-2.5</b>
Chicken-leg mushroom	10	5	ND-11	0.5	ND-0.9
Gold-needle mushroom	10	6	ND-12	0.8	ND-1.5
Oyster mushroom	10	5	ND-9	1.1	ND-2.5
Shiitake mushroom	10	6	ND-13	ND	ND
Straw mushroom	10	16	11-29	0.5	ND-1.0
White button mushroom	10	43	10-140	1.0	ND-2.2
<b>Fruiting Vegetables, Other than Cucurbits and Mushrooms</b>	<b>6 (types)</b>	<b>93</b>	<b>ND-470</b>	<b>0.9</b>	<b>ND-2.9</b>
Eggplant	10	350	250-470	0.8	ND-1.5
Bell pepper	10	77	9-180	1.1	ND-1.7
Long pepper	10	57	9-150	0.9	ND-1.6
Tomato	10	57	ND-180	0.5	ND-0.9
Small Red pepper (hot)	10	9	ND-24	1.3	ND-2.9
Sweet corn	10	7	ND-16	0.5	ND-1.1

Notes: -ND denotes not detected.

-Limits of detection (LOD) for nitrate ions is 4 mg/kg and for nitrite ions is 0.8 mg/kg.

-Mean values are calculated by assigning ND results as half LOD.

-Results are rounded to 1 or 2 significant figures depends on the detection limit.

-<sup>a</sup> winter samples only.

-<sup>b</sup> summer samples only.