**Supplementary Data II**

**(1) Concentration of pesticides detected in Chinese kale samples bought from Supermarkets.**

| **Sample No.** | **Pesticide Concentration (ppb)** |
| --- | --- |
| **Carba-ryl****(50)\*** | **Carbo-furan (20)\*** | **Chloro-thalonil (4000)\*** | **Chlor-pyrifos (50)\*** | **λ-Cyha-lothrin (1000)\*** | **Cyper-methrin (1000)\*** | **Delta-methrin (500)\*** | **Dia-zinon (50)\*** | **Dime-thoate (20)\*** | **Mala-thion (3000)\*** | **Meta-laxyl (2000)\*** | **Metho-myl** | **Profe-nofos (10)\*** |
| 1 |   |   |   |   |   |   |   | 0.02 |   |   | 0.12 |   |   |
| 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3 |   |   |   |   |   |   |   |   |   |   | 0.02 |   |   |
| 4 |   |   |   |   |   |   |   |   | 5.5 |   |   |   |   |
| 5 |   |   |   |   |   |   |   |   | 41.4 |   |   |   |   |
| 6 |   |   | 136 |   |   |   |   | 10.5 | 15.7 |   | 0.19 |   | 259 |
| 7 |   |   | 36.4 |   |   |   |   | 0.57 | 20.9 |   | 0.65 |   |   |
| 8 | 11.1 | 0.53 |   |   |   | 183 |   |   | 9.1 |   | 1.51 |   |   |
| 9 | 5.3 |   |   |   |   |   |   |   | 31.4 |   | 0.48 |   |   |
| 10 | 0.26 | 0.01 |   |   |   |   |   |   | 1.91 |   |   |   | 60.8 |
| 11 |   |   |   |   |   | 83.3 |   | 0.10 | 0.98 |   | 0.21 |   | 0.47 |
| 12 |   |   |   |   |   | 83.1 |   | 0.14 |   |   | 0.07 |   | 0.13 |
| 13 |   |   |   |   |   |   |   | 0.51 | 2.34 |   | 14.5 |   | 31.9 |
| 14 |   |   |   |   |   | 48.1 |   | 1.41 | 37.8 |   | 24.3 |   | 22.2 |
| 15 |   |   |   |   |   |   |   | 3.06 | 50.8 |   | 11.0 |   | 25.5 |
| 16 |   |   |   |   |   |   |   | 1.24 | 8.2 |   | 3.23 |   | 27.0 |
| 17 |   |   |   |   |   |   |   | 2.10 | 43.9 |   | 13.4 |   | 41.1 |
| 18 |   |   |   |   |   |   |   | 6.6 | 64.7 |   | 17.7 |   | 31.1 |
| 19 |   |   |   |   |   |   |   |   | 2.85 |   | 7.2 |   | 1.14 |
| 20 |   |   |   |   |   |   |   |   | 2.12 |   | 7.3 |   |   |
| 21 |   |   |   |   |   |   |   |   | 6.3 |   | 6.3 |   | 1.40 |
| 22 |   |   |   |   |   |   |   | 1.19 | 10.8 |   | 1.49 |   | 34.8 |
| 23 |   |   |   | 1019 |   |   |   | 0.94 | 7.8 |   | 1.67 |   | 1.05 |
| 24 |   |   |   |   |   |   |   | 0.74 | 6.6 |   | 22.9 |   | 9.78 |
| 25 |   |   |   |   |   | 88.3 |   | 0.89 | 8.7 |   | 1.66 |   |   |
| 26 |   |   |   |   |   | 23.5 |   | 8.2 | 34.5 |   | 7.59 |   |   |
| 27 |   |   |   |   |   |   |   | 3.18 | 18.5 |   | 3.64 |   |   |
| 28 |   |   |   |   |   |   |   | 4.57 | 32.8 |   | 9.5 |   |   |
| 29 | 606 |   |   |   |   |   | 152 | 3.17 | 12.6 |   | 9.0 |   | 2095 |
| 30 |   | 763 |   |   | 8.4 | 183514 |   | 1.89 | 29.2 |   | 8.5 |   | 2.20 |
| 31 |   |   |   |   |   |   |   | 1.26 | 14.2 |   | 15.4 |   |   |
| 32 |   |   |   |   |   |   |   |   | 1.71 |   | 1.77 |   |   |
| 33 |   |   |   |   |   | 1556 |   | 1.42 | 9.8 |   | 11.7 |   |   |
| 34 |   |   |   |   |   |   |   |   | 12.9 |   | 4.60 |   |   |
| 35 |   |   |   |   |   |   |   |   |   |   | 3.25 |   |   |
| 36 |   |   |   |   |   |   |   | 0.60 | 2.95 |   | 13.6 |   | 988 |
| 37 |   |   |   |   |   | 8736 |   | 2.94 | 1.77 |   | 0.52 |   |   |
| 38 |   |   |   |   |   |   |   | 0.36 | 1.68 |   | 0.81 |   |   |
| 39 |   |   |   |   |   |   |   |   | 5.2 |   | 0.34 |   |   |
| 40 |   |   |   |   |   |   |   |   | 1.92 |   | 0.51 |   |   |
| 41 |   |   |   |   |   |   |   | 1.98 | 7.0 |   | 39.2 |   |   |
| 42 |   |   |   |   |   |   |   |   | 2.90 |   | 0.21 |   |   |
| 43 |   |   |   |   |   |   |   | 0.23 | 3.21 |   | 0.15 |   |   |
| 44 |   |   |   |   |   |   |   |   | 1.32 |   | 15.8 |   | 139 |
| 45 | 88.1 |   |   |   |   |   |   | 7.8 | 1.95 |   | 52.8 |   |   |
| 46 |   |   |   |   |   |   |   | 1.17 | 1.08 |   | 13.4 |   |   |
| 47 |   | 0.96 |   |   |   |   |   | 3.78 | 1.15 |   | 10.7 |   | 3.50 |
| 48 |   |   |   |   |   |   |   | 3.92 | 6.4 |   | 109 |   |   |
| 49 |   |   |   |   |   |   |   | 4.95 | 15.4 |   | 68.2 |   |   |
| 50 |   | 0.87 |   |   |   |   |   | 6.7 | 17.7 |   | 181 |   |   |
| 51 |   | 0.32 |   |   |   |   |   | 5.6 | 16.3 |   | 141 |   |   |
| 52 |   | 0.24 |   |   |   |   |   | 3.07 | 11.4 |   | 49.7 |   |   |
| 53 |   | 0.18 |   |   |   |   |   | 1.99 | 4.55 |   | 93.8 |   |   |
| 54 |   |   |   |   |   |   |   | 0.45 | 4.67 |   | 25.0 |   |   |
| 55 |   |   |   |   |   | 25.5 |   | 0.91 | 6.1 |   | 44.9 |   |   |
| 56 |   |   |   |   |   |   |   | 2.77 | 0.93 |   | 49.5 |   |   |
| 57 |   |   |   |   |   |   |   | 0.50 | 0.77 |   | 27.6 |   |   |
| 58 |   |   |   |   |   |   |   | 1.83 | 15.8 |   | 14.8 |   |   |
| 59 |   |   |   |   |   |   |   | 2.23 | 2.57 |   | 22.4 |   |   |
| 60 |   |   |   |   |   |   |   | 6.0 | 15.6 |   | 10.1 |   |   |
| 61 |   |   |   |   |   |   |   | 0.66 | 1.20 |   | 11.8 |   |   |
| 62 |   |   |   |   |   |   |   |   |   |   | 0.65 |   |   |
| 63 | 17.3 |   |   | 6.7 |   |   |   | 1.0 | 6.7 |   | 2.76 |   |   |
| 64 |   |   |   | 3.77 |   |   |   | 0.58 | 23.2 |   | 4.49 |   |   |
| 65 | 2.74 |   |   | 5.1 |   |   |   | 1.08 |   |   | 2.75 |   |   |
| 66 | 6.5 |   |   | 8.1 |   |   |   | 1.37 | 6.0 |   | 3.25 |   |   |
| 67 | 6.8 |   |   | 5.2 |   |   |   | 1.62 | 6.2 |   | 3.69 |   |   |
| 68 | 8.7 |   |   | 3.75 |   |   |   | 1.06 |   |   | 4.5 |   |   |

**(2) Concentration of pesticides detected in Pakchoi samples bought from Supermarkets.**

| **Sample No.** | **Pesticide Concentration (ppb)** |
| --- | --- |
| **Carba-ryl****(50)\*** | **Carbo-furan****(20)\*** | **Chloro-thalonil** | **Chlor-pyrifos****(1000)\*** | **λ-Cyha-lothrin****(1000)\*** | **Cyper-methrin****(1000)\*** | **Delta-methrin** | **Dia-zinon****(50)\*** | **Dime-thoate****(20)\*** | **Mala-thion** | **Meta-laxyl****(50)\*** | **Metho-myl** | **Profe-nofos****(50)\*** |
| 1 |   |   |   |   |   |   |   | 1.42 | 145 |   | 7.2 |   | 16.9 |
| 2 |   |   |   |   |   |   |   | 1.21 | 137 |   | 10.8 |   | 30.8 |
| 3 |   |   |   |   |   |   |   | 1.94 | 25.6 |   | 36.4 |   | 13.4 |
| 4 |   |   |   |   |   |   |   | 1.99 | 41.4 |   | 6.0 |   | 7.7 |
| 5 |   |   |   |   |   | 120 |   |   | 38.4 |   | 6.9 |   |   |
| 6 |   |   |   |   |   |   |   |   | 40.0 |   | 1.84 |   | 0.52 |
| 7 |   |   |   |   |   |   |   |   | 26.5 |   | 4.46 |   |   |
| 8 |   |   |   |   |   | 174 |   | 0.70 | 44.5 |   | 1.14 |   |   |
| 9 |   |   |   |   |   |   |   | 0.74 | 36.7 |   | 1.31 |   |   |
| 10 |   | 0.12 |   |   |   |   |   | 7.2 | 45.9 |   | 1.90 |   | 36.1 |
| 11 |   |   |   |   |   |   |   | 0.59 | 35.8 |   | 1.08 |   |   |
| 12 |   |   |   |   |   |   |   | 2.23 | 93.2 |   | 4.65 |   |   |
| 13 |   |   |   | 4335 |   | 2654 |   |   | 56.8 |   | 4.81 |   |   |
| 14 |   |   |   |   |   |   |   |   | 11 |   | 4.26 |   |   |
| 15 |   |   |   |   |   |   |   | 2.44 | 29.7 |   | 5.3 |   |   |
| 16 |   |   |   |   |   |   |   |   | 6.1 |   | 4.29 |   |   |
| 17 |   |   |   |   |   |   |   | 2.59 | 112 |   | 13.9 |   |   |
| 18 |   |   |   |   |   |   |   | 5.3 | 33.2 |   | 8.1 |   |   |
| 19 |   |   |   |   |   | 71.0 |   |   | 14.3 |   | 1.90 |   |   |
| 20 |   |   |   |   |   |   |   |   | 1.42 |   | 2.48 |   |   |
| 21 |   |   |   |   |   |   |   | 3.55 | 58.2 |   | 7.9 |   |   |
| 22 |   |   |   |   |   | 38.9 |   |   | 12.6 |   | 2.73 |   |   |
| 23 |   |   |   |   |   |   |   |   | 3.38 |   | 4.63 |   |   |
| 24 | 1.03 |   |   |   |   |   |   |   |   |   | 0.42 |   |   |
| 25 |   |   |   |   |   |   |   |   | 6.25 |   | 1.95 |   |   |
| 26 |   |   |   |   |   |   |   |   | 3.23 |   | 0.78 |   |   |
| 27 |   |   |   |   |   |   |   |   | 1.73 |   | 0.35 |   |   |
| 28 |   |   |   |   |   | 19.2 |   |   | 4.75 |   | 0.36 |   |   |
| 29 |   |   |   |   |   |   |   |   | 8.2 |   | 0.60 |   |   |
| 30 |   |   |   |   |   |   |   |   | 11.8 |   | 0.40 |   |   |
| 31 |   |   |   |   |   |   |   |   | 1.37 |   |   |   |   |
| 32 |   |   |   |   |   | 71292 |   | 4.31 | 19.6 |   | 26.1 |   | 80.9 |
| 33 | 17.1 | 3.46 |   |   |   | 7304.0 |   | 5.8 | 15.5 |   | 34.1 |   |   |
| 34 | 34.8 | 1.84 |   |   |   | 2971 |   | 7.8 | 35.7 |   | 28.7 |   |   |
| 35 |   |   |   |   |   | 29726 |   | 4.01 | 39.0 |   | 1060 |   |   |
| 36 |   |   |   |   |   |   |   | 1.92 | 43.1 |   | 190 |   |   |
| 37 |   | 7.0 |   |   |   |   |   | 3.58 | 40.0 |   | 112.2 |   |   |
| 38 |   | 1.62 |   |   |   |   |   |   | 18.6 |   | 98.3 |   |   |
| 39 |   | 3.26 |   |   |   |   |   | 3.24 | 16.8 |   | 73.1 |   |   |
| 40 |   |   |   |   |   |   |   | 6.5 | 14.06 |   | 235.7 |   |   |
| 41 |   | 8.1 |   |   |   |   |   | 9.0 | 8.3 |   | 118 |   |   |
| 42 |   | 0.46 |   |   |   |   |   | 1.15 | 4.45 |   | 68.3 |   |   |
| 43 |   | 1.57 |   |   |   | 148 |   | 2.88 | 19.6 |   | 144 |   |   |
| 44 |   | 0.93 |   |   |   | 258 |   |   | 7.8 |   | 64.0 |   |   |
| 45 |   |   |   |   |   |   |   | 1.39 | 3.45 |   | 46.8 |   |   |
| 46 |   | 1.31 |   |   |   |   |   | 1.65 | 16.7 |   | 25.2 |   |   |
| 47 |   | 0.75 |   |   |   |   |   | 1.69 | 40.2 |   | 14.2 |   | 976 |
| 48 |   | 1.17 |   |   |   |   |   | 1.49 | 14.7 |   | 8.3 |   |   |
| 49 |   |   |   |   |   |   |   | 1.99 | 59.5 |   | 24.8 |   |   |
| 50 |   | 4.79 |   |   |   |   |   | 4.30 | 12.6 |   | 57.1 |   |   |
| 51 |   |   |   |   |   |   |   | 1.75 | 1.50 |   | 22.5 |   |   |
| 52 |   |   |   |   |   |   |   | 0.86 | 1.45 |   | 36.6 |   |   |
| 53 |   |   |   |   |   |   |   |   |   |   | 18.3 |   |   |
| 54 | 45.6 |   |   | 1.87 |   |   |   |   |   |   | 1.12 |   |   |
| 55 |   |   |   | 2.18 |   |   |   | 0.84 | 2.80 |   | 2.52 |   |   |
| 56 | 8.9 | 3.45 |   | 2.78 |   |   |   | 0.26 | 1.54 |   | 2.53 |   |   |
| 57 |   |   |   | 2.26 |   | 17.9 |   | 1.02 | 2.06 |   | 2.56 |   |   |
| 58 |   |   |   | 2.41 |   |   |   | 1.05 |   |   | 6.5 |   |   |
| 59 |   | 2.28 |   | 2.18 |   |   |   | 0.63 |   |   | 6.4 |   |   |
| 60 | 19.1 | 1.27 |   | 3.02 |   |   |   | 0.66 |   |   | 5.8 |   |   |
| 61 | 29.2 |   |   | 3.51 |   |   |   | 1.19 |   |   | 3.31 |   |   |
| 62 | 17.2 | 0.99 |   | 2.53 |   |   |   | 1.22 |   |   | 4.94 |   |   |

**(3) Concentration of pesticides detected in Morning Glory samples bought from Supermarkets.**

| **Sample No.** | **Pesticide Concentration (ppb)** |
| --- | --- |
| **Carba-ryl****(10)\*** | **Carbo-furan****(10)\*** | **Chloro-thalonil****(10)\*** | **Chlor-pyrifos****(50)\*** | **λ-Cyha-lothrin****(20)\*** | **Cyper-methrin****(700)\*** | **Delta-methrin** | **Dia-zinon****(10)\*** | **Dime-thoate****(20)\*** | **Mala-thion****(20)\*** | **Meta-laxyl****(2000)\*** | **Metho-myl****(20)\*** | **Profe-nofos****(10)\*** |
| 1 |   | 1.55 |   |   |   |   |   | 2.84 | 32.0 |   | 6.8 |   | 2.96 |
| 2 |   | 1.03 |   |   |   |   |   | 0.62 |   |   | 4.93 |   |   |
| 3 |   | 1.07 |   |   |   |   |   | 4.04 | 25.9 |   | 17.3 |   | 18.5 |
| 4 |   | 0.98 |   |   |   |   |   | 1.77 | 29.8 |   | 17.1 |   |   |
| 5 |   |   |   |   |   |   |   | 3.30 | 39.9 |   | 10.3 |   | 19.0 |
| 6 |   | 1.51 |   |   |   | 329 |   | 0.54 | 25.7 |   | 3.51 |   | 0.20 |
| 7 |   | 0.57 |   |   |   |   |   | 0.37 | 30.3 |   | 3.03 |   |   |
| 8 |   |   |   |   |   |   |   | 0.52 | 25.0 |   | 3.56 |   |   |
| 9 |   | 0.44 |   |   |   |   |   | 0.61 | 25.3 |   | 7.8 |   |   |
| 10 |   |   |   |   |   |   |   | 0.71 | 35.6 |   | 2.67 |   |   |
| 11 |   |   |   |   |   | 329 |   | 1.25 | 31.2 |   | 2.39 |   |   |
| 12 |   |   |   |   |   |   |   | 0.50 | 28.8 |   | 0.54 |   |   |
| 13 |   |   |   |   |   |   |   | 2.68 | 27.0 |   | 1.08 |   |   |
| 14 |   | 1.39 |   |   |   |   |   | 1.19 | 25.2 |   | 0.82 |   |   |
| 15 |   |   |   |   |   | 301 |   | 2.00 | 26.3 |   | 13.8 |   |   |
| 16 |   |   |   |   |   |   |   | 2.20 | 29.9 |   | 11.8 |   |   |
| 17 |   | 8.3 |   |   |   | 4.40 |   | 7.1 | 145 |   | 6.78 |   | 0.80 |
| 18 |   | 5.9 |   |   |   | 56.1 |   | 2.73 | 47.3 |   | 6.4 |   |   |
| 19 |   |   |   |   |   |   |   | 4.77 | 31.6 |   | 29.2 |   |   |
| 20 |   |   |   |   |   | 785 |   | 1.50 | 4.17 |   | 3.29 |   |   |
| 21 |   |   |   |   |   |   |   | 1.62 | 2.95 |   | 1.85 |   |   |
| 22 |   |   |   |   |   | 103.6 |   | 9.22 | 22.3 |   | 12.0 |   |   |
| 23 |   |   |   |   |   |   |   |   |   |   | 3.44 |   |   |
| 24 |   |   |   |   |   |   |   |   |   |   | 3.13 |   |   |
| 25 |   |   |   |   |   |   |   |   | 4.61 |   | 1.93 |   |   |
| 26 |   |   |   |   |   |   |   | 1.38 | 2.41 |   | 2.29 |   |   |
| 27 |   |   |   |   |   |   |   | 1.19 | 1.10 |   | 4.35 |   |   |
| 28 |   |   |   |   |   |   |   |   |   |   | 0.77 |   |   |
| 29 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 30 |   |   |   |   |   | 14.6 |   |   | 1.98 |   |   |   |   |
| 31 |   |   |   |   |   |   |   | 0.42 | 12.4 |   |   |   |   |
| 32 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 33 |   |   |   |   |   |   |   |   | 3.47 |   | 16.2 |   |   |
| 34 |   |   |   |   |   | 3425 |   |   | 12.1 |   | 10.3 |   |   |
| 35 |   |   |   |   |   |   |   |   |   |   | 12.0 |   |   |
| 36 |   |   |   | 104 |   | 106 |   | 3.51 | 3.42 |   | 26.3 |   |   |
| 37 |   | 5.5 |   |   |   |   |   | 5.8 | 5.1 |   | 85.4 |   |   |
| 38 |   |   |   |   |   |   |   |   | 10.2 |   | 34.8 |   |   |
| 39 |   |   |   |   |   |   |   |   |   |   | 32.0 |   |   |
| 40 |   | 1.42 |   |   |   |   |   | 1.62 | 20.5 |   | 61.1 |   |   |
| 41 |   |   |   |   |   |   |   | 2.36 | 1.14 |   | 39.8 |   |   |
| 42 |   | 0.35 |   |   |   |   |   | 1.70 | 18.3 |   | 115 |   |   |
| 43 |   | 0.36 |   | 20.7 | 2.79 |   |   | 2.69 | 12.1 |   | 257 |   |   |
| 44 |   | 3.93 |   |   | 1.15 | 1680 |   | 0.94 | 9.7 |   | 38.2 |   |   |
| 45 |   | 2.21 |   |   |   |   |   | 2.93 | 9.2 |   | 89 |   |   |
| 46 |   |   |   |   |   |   |   | 3.00 |   |   | 26.4 |   |   |
| 47 |   |   |   |   |   |   |   | 5.0 | 78.7 |   | 131 |   |   |
| 48 |   |   |   |   |   |   |   |   | 31.9 |   | 45.9 |   |   |
| 49 |   |   |   |   |   | 363 |   | 1.07 | 2.69 |   | 64.1 |   |   |
| 50 |   | 0.13 |   |   |   |   |   | 0.88 | 2.64 |   | 54.1 |   |   |
| 51 |   |   |   | 1.61 |   | 22.8 |   | 0.83 | 4.01 |   | 53.8 |   |   |
| 52 |   |   |   | 4.73 |   |   |   | 1.96 | 4.41 |   | 3.30 |   |   |
| 53 |   |   | 3152 | 3.24 |   |   |   | 1.40 | 1.10 |   | 3.11 |   |   |
| 54 |   |   |   | 3.18 |   |   |   | 1.90 | 1.29 |   | 2.05 |   |   |
| 55 | 12687 |   |   | 3.71 |   | 170 |   | 1.86 | 7.08 |   | 44.8 |   |   |
| 56 |   |   |   | 3.78 |   |   |   | 1.79 |   |   | 10.2 |   |   |
| 57 |   |   |   | 6.4 |   | 722 |   | 0.71 | 6.2 |   | 3.83 |   |   |
| 58 |   |   |   | 6.5 |   | 0.44 |   | 1.65 | 13.3 |   | 5.05 |   |   |
| 59 |   |   |   | 6.5 |   |   |   | 1.69 | 11.3 |   | 4.64 |   |   |
| 60 |   |   |   | 6.6 |   |   |   | 1.91 | 2.30 |   | 2.89 |   |   |
| 61 |   |   |   | 6.0 |   |   |   | 1.96 | 5.3 |   | 3.76 |   |   |