

Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of July 2020

Number of samples from Pesticides Regulatory Office: 123

Number of samples from farm gate level: 15

Number of samples from auction markets /supermarkets: 68

Number of imported samples: 40

Number of samples with pesticide residues exceeding MRL: 3

Number of samples with pesticide residues not recommended: 17

1. Results of analysis of samples collected at farm gate level

SN	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Lettuce	Phoenix	NDL	-	-
2	Cabbage	Bigara	NDL	-	-
3	Carrot	Bigara	NDL	-	-
4	Tomato	Plaine Sophie	Imidacloprid	0.37	NS
5	Zucchini	Plaine Sophie	Metalaxyl Propamocarb	0.014 0.062	0.5 5.0
6	Chayote	Plaine Sophie	NDL	-	-
7	Beetroot	Plaine Sophie	NDL	-	-
8	Carrot	Plaine Sophie	NDL	-	-
9	Beetroot	Plaine Sophie	NDL	-	-
10	Carrot	Bigara	NDL	-	-
11	Cabbage	Bigara	NDL	-	-
12	Cabbage	Bigara	NDL	-	-
13	Cowpea	Fond du Sac	NDL	-	-
14	Bean	Fond du Sac	NDL	-	-

15	Chinese White Cabbage	Fond du Sac	NDL	-	-
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2. Results of analysis of samples collected at super markets and auction markets

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Eggplant	Rose Belle	NDL	-	-
2	Bean	Rose Belle	Acephate Methamidophos	0.26 0.085	NS NS
3	Chinese Cabbage	Rose Belle	NDL	-	-
4	Banana	Rose Belle	NDL	-	-
5	Chayote	Rose Belle	NDL	-	-
6	Beetroot	Grand Bay	Imazalil Thiabendazole	0.011 0.016	NS NS
7	Tomato	Grand Bay	NDL	-	-
8	Tomato	Grand Bay	Carbendazime Thiophanate-methyl	0.014 0.18	NS 1.0
9	Squash	Grand Bay	Thiophanate-methyl	0.011	NS
10	Zucchini	Grand Bay	Pyraclostrobin	0.012	NS
11	Carrot	Grand Bay	NDL	-	-
12	Lettuce	La Gaulette	NDL	-	-
13	Pineapple	Chemin Grenier	NDL	-	-
14	Tomato	Chemin Grenier	Acetamiprid Metalaxyl Methoxyfenozide	0.036 0.032 0.19	NS 0.3 2.0
15	Zucchini	Chemin Grenier	Metalaxyl	0.019	0.5
16	Cabbage	Chemin Grenier	NDL	-	-
17	Carrot	Cascavelle	NDL	-	-

18	Tomato	Cascavelle	NDL	-	-
19	Tomato	Cascavelle	NDL	-	-
20	Tomato	Cascavelle	NDL	-	-
21	Zucchini	Cascavelle	Cyromazine Pyraclostrobin	0.012 0.016	2 0.5
22	Tomato	Cascavelle	Propamocarb	0.013	5
23	Squash	Cascavelle	NDL	-	-
24	Tomato	Rose Belle	Acetamiprid Cypermethrin	0.014 0.039	0.25 NS
25	Banana	Rose Belle	NDL	-	-
26	Turnip	Rose Belle	NDL	-	-
27	Tomato	Rose Belle	NDL	-	-
28	Tomato	Rose Belle	Cyromazine Lambda- cyhalothrin	0.024 0.035	0.25 1.0
29	Carrot	Wooton	Cyromazine	0.020	NS
30	Okra	Wooton	Acetamiprid Thiophanate methyl Carbendazim L-cyhalothrin Cypermethrin	0.062 0.79 0.11 0.18 0.19	0.25 NS NS 1.0 NS
31	Turnip	Wooton	NDL	-	-
32	Eggplant	Wooton	NDL	-	-
33	Zucchini	Wooton	Metalaxyl	0.028	0.5
34	Tomato	Rose Belle	Imidacloprid Lambda- cyhalothrin Cypermethrin	0.031 0.056 0.057	NS 0.3 0.2
35	Chinese Cabbage	Rose Belle	Methoxyfenozide Cypermethrin	0.073 0.036	3.0 NS

36	Cabbage	Rose Belle	NDL	-	-
37	Chinese White Cabbage	Rose Belle	Acetamiprid Carbendazim Cypermethrin Deltamethrin	0.084 0.026 0.60 0.047	NS NS NS NS
38	Bean	Rose Belle	Cypermethrin	0.11	0.7
39	Bean	Rose Belle	NDL	-	-
40	Grape Fruit	Rose Belle	NDL	-	-
41	Chinese White Cabbage	Rose Belle	NDL	-	-
42	Tomato	Rose Belle	Cyromazine	0.022	0.6
43	Bean	Rose Belle	Methalaxyl Cypermethrin	0.025 0.043	0.02 0.7
44	Turnip	Rose Belle	Imidacloprid	0.038	NS
45	Chinese White Cabbage	Rose Belle	NDL	-	-
46	Tomato	Rose Belle	Mandipropamid	0.11	NS
47	Banana	Rose Belle	NDL	-	-
48	Bittergourd	Rose Belle	NDL	-	-
49	Cauliflower	Riche Terre	NDL	-	-
50	Cabbage	Riche Terre	NDL	-	-
51	Tomato	Riche Terre	NDL	-	-
52	Carrot	Phoenix	NDL	-	-
53	Bean	Phoenix	Metalaxyl	0.011	0.02
54	Chinese White Cabbage	Phoenix	Carbendazim	0.31	NS
55	Carrot	Phoenix	NDL	-	-
56	Cabbage	Phoenix	NDL	-	-

57	Zucchini	Phoenix	Metalaxyl	0.023	0.5
58	Chayote	Phoenix	NDL	-	-
59	Chinese White Cabbage	Phoenix	NDL	-	-
60	Sweet Pepper	Phoenix	NDL	-	-
61	Cabbage	Phoenix	NDL	-	-
62	Lettuce	Phoenix	Thiophanate methyl Carbendazim Cyromazine Hexaconazole	0.50 0.61 0.065 0.067	0.1 NS 3.0 NS
63	Potato	Phoenix	NDL	-	-
64	Squash	Floreal	NDL	-	-
65	Cabbage	Floreal	NDL	-	-
66	Tomato	Floreal	NDL	-	-
67	Banana	Floreal	NDL	-	-
68	Sweet Pepper	Floreal	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Apple	Acetamiprid	0.017	0.4
2	Apple	Indoxacarb	0.019	0.5
3	Mandarin	Imazalil Pyraclostrobin Pyrimethanil Thiabendazole	0.64 0.022 4.4 0.42	5.0 2.0 8.0 7.0
4	Apple	Imidacloprid	0.020	1

5	Grapefruit	Acetamiprid Imazalil Imidacloprid Pyraclostrobin Thiabendazole	0.010 0.81 0.15 0.034 1.0	0.9 4.0 1.0 2.0 7.0
6	Mandarin	Imazalil Imidacloprid Thiabendazole Pyrimethanil	0.47 0.011 3.9 3.4	5.0 1.0 7.0 8.0
7	Red Cabbage	NDL	-	-
8	Butternut	NDL	-	-
9	Apple	NDL	-	-
10	Mandarin	Azoxystrobin Difenoconazole Imazalil Imidacloprid Pyrimethanil Thiabendazole	0.086 0.095 0.46 0.079 0.74 2.47	15.0 0.6 5.0 1.0 8.0 7.0
11	Pomelo	Imazalil Pyraclostrobin Thiabendazole	0.048 0.036 1.00	4.0 2.0 7.0
12	Mandarin	Azoxystrobin Difenoconazole Imazalil Methoxyfenozide Thiabendazole	0.021 0.018 0.55 0.094 0.31	15.0 0.6 5.0 2.0 7.0
13	Orange	Imazalil Pyrimethanil Thiabendazole	0.45 3.2 0.44	4.0 8.0 7.0
14	Pear	Fludioxomil	0.32	5.0
15	Apple	Thiacloprid	0.010	0.3
16	Kiwi	NDL	-	-
17	Onion	NDL	-	-
18	Onion	NDL	-	-
19	Onion	Thiabendazole	0.015	0.01
20	Mandarin	Azoxystrobin Imazalil Imidacloprid Pyrimethonil Thiabendazole	0.042 1.2 0.075 0.18 2.9	15.0 5.0 1.0 8.0 7.0

21	Apple	NDL	-	-
22	Onion	NDL	-	-
23	Onion	NDL	-	-
24	Lemon	Pyraclostrobin Pyrimethanil Thiabendazole Imazalil	0.025 0.012 0.011 0.43	2.0 8.0 7.0 5.0
25	Apple	Thiaproprid	0.019	0.3
26	Pepper	Azoxystrobin Bupirimate Carbendazim Difenoconazole	0.093 0.020 0.046 0.086	3.0 2.0 0.1 0.9
27	Kumquat	NDL	-	-
28	Orange	Pyraclostrobin Pyriproxifen Thiabendazole Imazalil	0.031 0.032 2.6 1.6	2.0 0.6 7.0 4.0
29	Mandarin	Pyrimethanil Thiabendazole Trifloxystrobin Imazalil	0.44 1.6 0.014 0.52	8.0 7.0 0.5 5.0
30	Apple	NDL	-	-
31	Apple	NDL	-	-
32	Potato	NDL	-	-
33	Potato	NDL	-	-
34	Mandarin	Imazalil Pyrimethanil Thiabendazole	1.1 1.4 1.1	5.0 8.0 7.0
35	Melon	NDL	-	-
36	Red Cabbage	NDL	-	-
37	Butternut	Thioprofanat methyl	0.012	0.5
38	Orange	Imazalil Methoxyfenozid Propiconazole Thiabendazole	2.5 0.059 0.76 1.7	5.0 2.0 9.0 0.5

39	Apple	NDL	-	-
40	Pear	Acetamiprid Fludioxonil Pyrimethanil	0.035 3.4 0.11	0.4 5.0 15.0

NB: Source MRL: The Use of Pesticides Act 2018 and Codex Alimentarius

MRL – Maximum Residue Level

NDL – No Detectable Level

NS – Not Specified