

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of June 2022

Total number of samples collected: **75**

Number of samples from farm gate level: **72**

Number of samples from markets: **3**

Number of samples with pesticide residues exceeding MRL: 7

Number of samples with pesticide residues not recommended on that crop: 20

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	Tomato	Cluny	Acetamiprid Azoxystrobin Carbendazim Difenoconazole Dimethomorph Imidacloprid Pyraclostrobin	0.037 0.042 0.12 0.036 0.17 0.075 0.064	0.5 3 NR 2 1.0 NR 0.3
2	Tomato	Mare Tabac	NDL	-	-
3	Lettuce	Britannia	NDL	-	-
4	Cauliflower	Britannia	Propamocarb	0.021	NR
5	Chinese cabbage (Petsai)	Britannia	NDL	-	-
6	Butternut	Britannia	NDL	-	-
7	Tomato	Britannia	Propamocarb	0.044	2
8	Chinese white cabbage (Tompouce)	Britannia	NDL	-	-

9	Chinese white cabbage (Green petiole)	Phoenix	Cyfluthrin Deltamethrin Lambda-cyhalothrin	0.068 0.070 0.043	NR 2 0.5
10	Chinese white cabbage (Tompouce)	Phoenix	NDL	-	-
11	Lettuce	Phoenix	Cypermethrin Deltamethrin Lambda-cyhalothrin	0.040 0.072 0.044	NR NR 1
12	Chinese white cabbage (Tompouce)	Phoenix	NDL	-	-
13	Lettuce	Phoenix	NDL	-	-
14	Bell pepper (Green)	Phoenix	Cypermethrin Deltamethrin	0.083 0.061	NR 0.2
15	Tomato	Phoenix	Acetamiprid Metalaxyl	0.023 0.014	0.5 0.3
16	Lettuce	Phoenix	Cypermethrin Flutriafol Imidacloprid Lambda-cyhalothrin Thiophanate-methyl	0.12 0.022 0.011 0.46 0.069	NR NR NR 1 0.1
17	Lettuce	Paillote	Carbendazim Cypermethrin Cyromazine	0.13 0.087 0.28	NR NR 3.0
18	Bitter gourd	Solferino	Carbendazim Cypermethrin Cyromazine	0.030 0.037 0.079	NR 0.07 0.4
19	Chinese cabbage (Petsai)	Solferino	Cypermethrin Cyromazine Tebuconazole	0.58 0.085 (Excess) 0.85 (Excess)	NR 0.05 0.7
20	Chinese white cabbage (Tompouce)	Solferino	Cypermethrin Cyromazine Lambda cyhalothrin Tebuconazole	0.36 0.066 (Excess) 0.030 0.96	NR 0.05 0.5 NR
21	Lettuce	Solferino	NDL	-	-
22	Spring onion	Solferino	Boscalid Carbendazim Cypermethrin	0.027 0.20 2.3	NR NR NR

			Cyromazine Lambda cyhalothrin Tebuconazole Thiophanate-methyl	0.40 (Excess) 0.033 2.2 0.012	0.05 0.05 NR NR
23	Lettuce	Solferino	NDL	-	-
24	Tomato	Solferino	Cypermethrin	0.13	0.2
25	Chinese white cabbage (Green petiole)	Solferino	NDL	-	-
26	Bitter gourd	Solferino	Carbendazim Cypermethrin Cyromazine Thiophanate-methyl	0.050 0.12 (Excess) 0.84 (Excess) 0.014	NR 0.07 0.4 0.5
27	Chinese white cabbage (Tompouce)	Solferino	Carbendazim Cypermethrin Metlaxyl Lambda-cyhalothrin Thiophante-methyl	0.30 0.094 0.014 1.7 (Excess) 2.0	NR NR NR 0.5 NR
28	Lettuce	Solferino	Cypermethrin Cyromazine Lambda-cyhalothrin Thiophanate-methyl	0.20 0.032 0.27 0.082	NR 3 1 0.1
29	Spring onion	Solferino	Cypermethrin Cyromazine Lambda-cyhalothrin	0.22 0.11 (Excess) 0.18 (Excess)	NR 0.05 0.05
30	Chinese white cabbage (Tompouce)	Wolmar, Flic En Flac	NDL	-	-
31	Carrots	Wolmar, Flic En Flac	Lambda-cyhalothrin	0.030	0.05
32	Lettuce	Wolmar, Flic En Flac	NDL	-	-
33	Papaya	Wolmar, Flic En Flac	NDL	-	-
34	Lettuce	Flic-en-Flac	NDL	-	-

35	Lemongrass (Citronnelle)	Réduit	Lambda-cyhalothrin	0.039	NS
36	Chayote	Réduit	NDL	-	-
37	Lettuce	Réduit	NDL	-	-
38	Cabbage	Réduit	NDL	-	-
39	Carrots	Les Mariannes	Cypermethrin	0.056 (Excess)	0.05
40	Spring onion	Les Mariannes	Tebuconazole Cypermethrin	2.7 0.58	NR NR
41	Papaya	Congomah	NDL	-	-
42	Pumpkin	Congomah	NDL	-	-
43	Turnip	Congomah	NDL	-	-
44	Spring onion	Congomah	NDL	-	-
45	Tomato	Congomah	Spiromesifen	0.051	1
46	Ginger	Congomah	NDL	-	-
47	Tomato	Congomah	Acetamiprid Propamocarb Tebuconazole	0.083 0.51 0.26	0.5 2 0.9
48	Tomato	Congomah	Thiophante-methyl	0.016	1
49	Bean	L'Avenir, St. Pierre	NDL	-	-
50	Parsley	Floréal	NDL	-	-
51	Carrots	Robinson, Curepipe	NDL	-	-
52	Cabbage	La Marie/La Brasserie	Cypermethrin	0.015	NR
53	Chayote	La Marie	Cypermethrin	0.024	0.07
54	Chayote	La Forêt	NDL	-	-
55	Tomato	La Marie	Acetamiprid Clothianidin Metalaxyl Thiamethoxam	0.081 0.016 0.051 0.017	0.5 NR 0.3 NR

56	Cucumber	La Marie	Cypermethrin	0.012	0.07
57	Cherry tomato	La Marie	Acetamiprid Cypermethrin	0.029 0.014	0.5 0.2
58	Carrot	Petit Verger	NDL	-	-
59	Lettuce	Petit Verger	NDL	-	-
60	Lettuce	Petit Verger	Tebuconazole Trifloxystrobin	0.12 0.060	NR NR
61	Lettuce	Petit Verger	NDL	-	-
62	Banana (Green)	Rivière Noire	NDL	-	-
63	Papaya	Rivière Noire	NDL	-	-
64	Sweet Potato	Baie du Cap	NDL	-	-
65	Banana (Green)	Baie du Cap	NDL	-	-
66	Taro leaves (Songes Noire)	Baie du Cap	NDL	-	-
67	Taro leaves (Violette)	Baie du Cap	NDL	-	-
68	Pawpaw	Mare d'Albert	NDL	-	-
69	Chilli	Mare d'Albert	NDL	-	-
70	English cucumber	Mare d'Albert	Carbendazim	0.036	0.1
71	Tomato	Mare d'Albert	Lambda-cyhalothrin Metalaxyl	0.014 0.016	0.3 0.3
72	Tomato	Plaisance	NDL	-	-

2. Results of analysis of samples collected in markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Tomato	Rose Belle	Metalaxyl	0.086	0.3

2	Cucumber	Rose Belle	Metalaxyl	0.13	0.5
3	Bell pepper (Green)	Rose Belle	Metalaxyl Thiamethoxam	0.13 0.013	0.5 NR

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

MRL – Maximum Residue Level

NDL – No Detectable Level

NR – Not Recommended on that crop

NS- Not specified in the Use of Pesticides Act

25 August 2022