

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of September 2024

Number of samples collected: **164**

Number of samples from farm gate level: **88**

Number of samples from supermarkets: **17**

Number of samples from auction market: **55**

Number of imported samples: **4**

Number of samples with pesticide residues exceeding MRL: 9

Number of samples with pesticide residues not recommended: 19

Improvement Notice issued: 21

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	Flacq	NDL	-	-
2	Tomato	Flacq	NDL	-	-
3	Tomato	Flacq	NDL	-	-
4	Cherry Tomato	Flacq	NDL	-	-
5	Lettuce	Flacq	NDL	-	-
6	Lettuce	Flacq	NDL	-	-
7	Banana	St Aubin	NDL	-	-
8	Carrot	St Aubin	NDL	-	-

9	Lettuce	St Aubin	NDL	-	-
10	Bell Pepper	Rivière des Anguilles	Acetamiprid	0.032	0.3
11	Lettuce	Rivière des Anguilles	NDL	-	-
12	Papaya	Rivière des Anguilles	NDL	-	-
13	Butternut	Rivière des Anguilles	NDL	-	-
14	Cherry Tomato	Rivière des Anguilles	NDL	-	-
15	Carrot	Rivière des Anguilles	NDL	-	-
16	Cauliflower	Vacoas	NDL	-	-
17	Cabbage	Vacoas	NDL	-	-
18	Lettuce	Vacoas	NDL	-	-
19	Lettuce	Solferino	NDL	-	-
20	Chinese White Cabbage (Brède Baton Blanc)	Solferino	NDL	-	-
21	Chinese White Cabbage (Brède Tom Pouce)	Solferino	NDL	-	-
22	Coriander	Solferino	NDL	-	-
23	Spring Onion	Solferino	NDL	-	-
24	Lettuce	Solferino	NDL	-	-
25	Lettuce	Solferino	NDL	-	-
26	Lettuce	Solferino	NDL	-	-
27	Cabbage	Petit Verger	NDL	-	-
28	Fennel	Carreau Laliane	Linuron	0.012	NS

29	Parsley	Carreau Laliane	Linuron	0.058	NR
30	Sweet Potato	Carreau Laliane	NDL	-	-
31	Sweet Potato	Carreau Laliane	NDL	-	-
32	Sweet Potato	Carreau Laliane	NDL	-	-
33	Cherry Tomato	La Marie	Acetamiprid Propamocarb Pyraclostrobin Tebuconazole	0.035 0.012 0.092 0.097	0.5 2 0.3 0.7
34	Tomato	La Marie	Propamocarb Pyraclostrobin Tebuconazole	0.170 0.025 0.051	2 0.3 0.7
35	Tomato	La Marie	Carbendazim Clothianidin Pyraclostrobin Thiamethoxam Thiophanate- methyl	0.036 0.014 0.120 0.016 0.110	0.5 NR 0.3 NR 0.5
36	English Cucumber	La Marie	Thiamethoxam	0.013	NR
37	Cucumber	La Marie	Carbendazim Thiamethoxam	0.014 0.019	0.1 NR
38	Potato	Plaine Sophie 2	NDL	-	-
39	Chayote	Plaine Sophie 2	NDL	-	-
40	Carrot	Plaine Sophie 2	NDL	-	-
41	Potato	Hermitage	Cyromazine	0.092 (Excess)	0.05
42	Carrot	Rose Belle	Cyromazine	0.012	NR
43	Zucchini	Rose Belle	Acetamiprid Cyromazine	0.043 0.019	0.3 2
44	Chayote	Rose Belle	NDL	-	-
45	Squash	Hermitage	NDL	-	-
46	Zucchini	Hermitage	Cyromazine Propamocarb	0.014 0.097	2 5

47	Broccoli	Rivière Baptiste	NDL	-	-
48	Lettuce	Rivière Baptiste	NDL	-	-
49	Spring Onion	Rivière Baptiste	Cyromazine	2.400 (Excess)	0.05
50	Chinese White Cabbage (Brède Tom Pouce)	Rivière Baptiste	NDL	-	-
51	Spinach	Rivière Baptiste	NDL	-	-
52	Chayote Greens	Rivière Baptiste	NDL	-	-
53	Chinese White Cabbage (Brède Tom Pouce)	Rivière Baptiste	NDL	-	-
54	Thyme	Rivière Baptiste	NDL	-	-
55	Parsley	Rivière Baptiste	NDL	-	-
56	Chayote Greens	Rivière Baptiste	NDL	-	-
57	Thyme	Rivière Baptiste	Tebuconazole	0.020	NR
58	Pumpkin	Nouvelle Découverte	NDL	-	-
59	Lettuce	Le Bouchon	Carbendazim Thiophanate-methyl	0.017 0.041	5 0.1
60	Chinese White Cabbage (Brède Tom Pouce)	Carreau Acacia	NDL	-	-
61	Tomato	Mare d'Albert	Tebuconazole	0.037	0.7
62	Bean	Mare d'Albert	Acetamiprid Carbendazim Pyraclostrobin Thiophanate-methyl	0.012 0.025 0.040 0.015	0.6 0.5 NR 0.1
63	English Cucumber	Mare d'Albert	Acetamiprid	0.021	0.3
64	Cucumber	Mare d'Albert	NDL	-	-

65	Lettuce	Montebello, Pailles	NDL	-	-
66	Chinese Cabbage - Petsai	Montebello, Pailles	NDL	-	-
67	Radish	Montebello, Pailles	NDL	-	-
68	Carrot	Montebello, Pailles	NDL	-	-
69	Radish (Green)	Montebello, Pailles	NDL	-	-
70	Radish	Montebello, Pailles	NDL	-	-
71	Beetroot	Montebello, Pailles	NDL	-	-
72	Cabbage	Montebello, Pailles	NDL	-	-
73	Mango	Montebello, Pailles	NDL	-	-
74	Radish	Montebello, Pailles	NDL	-	-
75	Leek	Montebello, Pailles	NDL	-	-
76	Papaya	Montebello, Pailles	NDL	-	-
77	Cabbage	Petit Verger, St. Pierre	NDL	-	-
78	Eggplant	Belle Mare	NDL	-	-
79	Bean	Belle Mare	Metalaxyl	0.017	NR
80	Banana	Belle Mare	NDL	-	-
81	Papaya	Belle Mare	NDL	-	-
82	Eggplant	Belle Mare	NDL	-	-
83	Carrot	Belle Mare	Linuron	0.026	NR
84	Onion	Belle Mare	Imidacloprid	0.020	NR
85	Onion	Belle Mare	NDL	-	-
86	Eggplant	Belle Mare	NDL	-	-

87	Spinach	Belle Mare	NDL	-	-
88	Eggplant	Belle Mare	NDL	-	-

2. Results of analysis of samples collected at supermarkets and auction market

SN.	Fruits and Vegetables	Supermarket/ NRAuction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Tomato	National Wholesale Market	NDL	-	-
2	Bean	National Wholesale Market	NDL	-	-
3	Pumpkin	National Wholesale Market	Acetamiprid	0.034	0.3
4	Eggplant	National Wholesale Market	Acetamiprid	0.014	0.2
5	Cabbage	National Wholesale Market	NDL	-	-
6	Chinese Cabbage (Petsai)	National Wholesale Market	Carbendazim	0.031	NR
7	Carrot	National Wholesale Market	NDL	-	-
8	Zucchini	National Wholesale Market	NDL	-	-
9	Zucchini	National Wholesale Market	NDL	-	-
10	Squash	National Wholesale Market	NDL	-	-
11	Tomato	National Wholesale Market	NDL	-	-
12	Chayote	National Wholesale Market	NDL	-	-
13	Carrot	National Wholesale Market	NDL	-	-
14	Potato	National Wholesale Market	NDL	-	-
15	Eddo (Arouille)	Gros Cailloux	Fenhexamid	0.011	NR
16	Pepper (Yellow)	Gros Cailloux	Metalaxyl	0.024	0.5

17	English Cucumber	Gros Cailloux	NDL	-	-
18	Squash	Gros Cailloux	Propamocarb	0.590	5
19	Banana	Gros Cailloux	Carbendazim	0.110	0.2
20	Sweet Potato	Gros Cailloux	NDL	-	-
21	Tomato	Gros Cailloux	NDL	-	-
22	Lettuce	Gros Cailloux	Azoxystrobin Difenoconazole	0.610 0.540	3 NR
23	Parsley	Gros Cailloux	Azoxystrobin Difenoconazole	0.550 0.550	NR NR
24	Papaya	Gros Cailloux	NDL	-	-
25	Lettuce (Rocket)	Gros Cailloux	Difenoconazole	0.067	NR
26	Lettuce	Camp Levieux	NDL	-	-
27	Turmeric	Camp Levieux	NDL	-	-
28	Ginger	Camp Levieux	NDL	-	-
29	English Cucumber	Camp Levieux	Carbendazim Metalaxyl	0.031 0.012 (Excess)	0.1 0.01
			Thiophanate-methyl	0.020	0.5
30	Cucumber	Camp Levieux	Azoxystrobin Difenoconazole Metalaxyl	0.014 0.012 0.012 (Excess)	1 NR 0.01
31	Chinese White Cabbage (Brède Baton Vert)	Camp Levieux	Acetamiprid	0.076 (Excess)	0.01
32	Carrot	National Wholesale Market	NDL	-	-
33	Tomato	National Wholesale Market	NDL	-	-
34	Chilli	National Wholesale Market	NDL	-	-

35	Tomato	National Wholesale Market	Propamocarb	0.310	2
36	Chinese Cabbage (Petsai)	National Wholesale Market	NDL	-	-
37	Tomato	National Wholesale Market	NDL	-	-
38	Tomato	National Wholesale Market	NDL	-	-
39	Cabbage	National Wholesale Market	Metalaxyl	0.150 (Excess)	0.06
40	Squash	National Wholesale Market	Metalaxyl	0.053 (Excess)	0.01
			Pyraclostrobin	0.012	0.5
41	Bottle-gourd	National Wholesale Market	Cyromazine	0.013	0.4
42	Tomato	National Wholesale Market	NDL	-	-
43	Chilli	National Wholesale Market	Cyromazine	0.019	1.5
44	Eggplant	National Wholesale Market	NDL	-	-
45	Chilli	National Wholesale Market	NDL	-	-
46	Chayote	National Wholesale Market	NDL	-	-
47	Cucumber	National Wholesale Market	NDL	-	-
48	Ginger	National Wholesale Market	NDL	-	-
49	Chayote	National Wholesale Market	NDL	-	-
50	Eggplant	National Wholesale Market	NDL	-	-
51	Cabbage	National Wholesale Market	NDL	-	-
52	Tomato	National Wholesale Market	NDL	-	-
53	Eggplant	National Wholesale Market	Tebuconazole	0.043	NR
54	Eggplant	National Wholesale Market	NDL	-	-
55	Asparagus Bean	National Wholesale Market	NDL	-	-

56	Tomato	National Wholesale Market	Metalaxyl Pyraclostrobin	0.013 0.018	NR 0.3
57	Cucumber	National Wholesale Market	Azoxystrobin Carbendazim	0.016 0.021	1 0.1
58	English Cucumber	National Wholesale Market	NDL	-	-
59	Sweet Potato	National Wholesale Market	NDL	-	-
60	Tomato	National Wholesale Market	NDL	-	-
61	Chilli	National Wholesale Market	NDL	-	-
62	Chinese White Cabbage (Brède Tom Pouce)	National Wholesale Market	Carbendazim Thiophanate-methyl	0.033 0.140	NR NR
63	Lettuce	National Wholesale Market	Carbendazim Thiophanate-methyl	0.096 0.460 (Excess)	5 0.1
64	Radish	National Wholesale Market	NDL	-	-
65	Zucchini	National Wholesale Market	NDL	-	-
66	Potato	National Wholesale Market	Cyromazine	0.090 (Excess)	0.05
67	Cauliflower	National Wholesale Market	NDL	-	-
68	Eggplant	National Wholesale Market	NDL	-	-
69	Bottle-gourd	National Wholesale Market	NDL	-	-
70	Cauliflower	National Wholesale Market	NDL	-	-
71	Cabbage	National Wholesale Market	NDL	-	-
72	Tomato	National Wholesale Market	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Nectarine	Acetamiprid Cyprodinil	0.013 0.130	0.7 2
2	Kiwi	NDL	-	-
3	Apple (Pink Lady)	NDL	-	-
4	Grapes (Black Seedless)	Acetamiprid Zoxamide	0.085 0.018	0.5 5

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