

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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

Number of samples collected: **115**

Number of samples from farm gate level: **29**

Number of samples from supermarkets: **34**

Number of samples from auction market: **41**

Number of imported samples: **11**

Number of samples with pesticide residues exceeding MRL: **5**

Number of samples with pesticide residues not recommended: **6**

Improvement Notices issued: **9**

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	Broccoli	Carreau Laliane	NDL	-	-
2	Chayote	Dubreuil	NDL	-	-
3	Chinese White Cabbage (Tom Pouce)	Dubreuil	Hexaconazole	0.160 (Excess)	0.01
4	Chinese White Cabbage (Brède Baton Vert)	Dubreuil	Hexaconazole	0.027 (Excess)	0.01
5	Mini Cucumber	Deux Bras	NDL	-	-
6	Tomato	Deux Bras	Chlorantraniliprole	0.025	5
7	English Cucumber	Deux Bras	NDL	-	-
8	Tomato	Phoenix	NDL	-	-

9	Eggplant	Phoenix	NDL	-	-
10	English Cucumber	Phoenix	NDL	-	-
11	Chinese Cabbage (Petsai)	Phoenix	NDL	-	-
12	Bean	Gros-Billot, New Grove	NDL	-	-
13	Tomato	Plaisance	NDL	-	-
14	Cherry Tomato	Deux Bras	NDL	-	-
15	Tomato (Yellow Cocktail)	Deux Bras	NDL	-	-
16	Tomato	Deux Bras	NDL	-	-
17	Tomato (Salad)	Deux Bras	NDL	-	-
18	Melon	Deux Bras	NDL	-	-
19	Mini English Cucumber	Deux Bras	NDL	-	-
20	English Cucumber	Deux Bras	NDL	-	-
21	Tomato	Deux Bras	NDL	-	-
22	Tomato	Deux Bras	NDL	-	-
23	Cabbage	Helvetia	NDL	-	-
24	Lettuce	Helvetia	Azoxystrobin Difenoconazole	0.026 0.026	3 NR
25	Tomato	La Laura, Rivière Baptiste	NDL	-	-
26	Tomato	La Laura, Rivière Baptiste	NDL	-	-
27	Broccoli	Camp La Boue, Mt. Longue	NDL	-	-
28	Lettuce	Camp La Boue, Mt. Longue	Carbendazim Thiophanate- methyl	0.270 0.680 (Excess)	5 0.1
29	Papaya	Poudre d'Or Village	NDL	-	-

2. Results of analysis of samples collected at supermarkets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Bean	National Wholesale Market	NDL	-	-
2	Cucumber	National Wholesale Market	NDL	-	-
3	Bottle-gourd	National Wholesale Market	NDL	-	-
4	Tomato	National Wholesale Market	NDL	-	-
5	Cucumber	National Wholesale Market	NDL	-	-
6	Tomato	National Wholesale Market	NDL	-	-
7	Bell Pepper	National Wholesale Market	Imidacloprid Propamocarb	0.025 0.081	NR 3
8	Chayote	National Wholesale Market	NDL	-	-
9	Carrot	National Wholesale Market	NDL	-	-
10	Carrot	National Wholesale Market	NDL	-	-

11	Chayote	National Wholesale Market	NDL	-	-
12	Squash	National Wholesale Market	NDL	-	-
13	Zucchini	National Wholesale Market	NDL	-	-
14	Cabbage	National Wholesale Market	Carbendazim	0.890	NR
15	Bean	National Wholesale Market	NDL	-	-
16	Cucumber	National Wholesale Market	NDL	-	-
17	Tomato	National Wholesale Market	NDL	-	-
18	Potato	National Wholesale Market	Propamocarb	0.010	0.3
19	Zucchini	National Wholesale Market	NDL	-	-
20	Eggplant	National Wholesale Market	Carbendazim	0.014	NR
21	Tomato	National Wholesale Market	Carbendazim Propamocarb	0.020 0.018	0.5 2

22	Carrot	National Wholesale Market	NDL	-	-
23	Garden Eggplant (Bringelle Anguive)	National Wholesale Market	NDL	-	-
24	Papaya	Port-Louis	Carbendazim	0.012	0.2
25	Cabbage	Port-Louis	NDL	-	-
26	Bitter gourd	Port-Louis	Acetamiprid Carbendazim	0.018 0.022	0.3 0.1
27	English Cucumber	Port-Louis	NDL	-	-
28	Tomato (Salad)	Port-Louis	NDL	-	-
29	Eggplant (Aubergine)	Port-Louis	NDL	-	-
30	Chinese White Cabbage (Tom Pouce)	Port-Louis	NDL	-	-
31	Celery	Port-Louis	NDL	-	-
32	Carrot	Port-Louis	NDL	-	-
33	Eggplant (Aubergine)	Port-Louis	NDL	-	-
34	Cherry Tomato	Wooton	Acetamiprid Propamocarb	0.160 0.370	0.5 2
35	Tomato	Wooton	NDL	-	-
36	Tomato	Wooton	Acetamiprid Cyromazine	0.057 0.015	0.5 0.6
37	Papaya	Wooton	NDL	-	-
38	Banana	Wooton	NDL	-	-

39	Sweet Potato	Wooton	NDL	-	-
40	Beetroot	Wooton	NDL	-	-
41	Tomato	Wooton	Propamocarb	0.460	2
42	Cucumber	Wooton	Acetamiprid Propamocarb	0.022 0.095	0.3 5
43	Squash	Wooton	NDL	-	-
44	Lettuce	Wooton	Carbendazim	0.610	5
45	Banana	Wooton	NDL	-	-
46	Tomato	National Wholesale Market	NDL	-	-
47	Tomato	National Wholesale Market	NDL	-	-
48	Broccoli	National Wholesale Market	NDL	-	-
49	Tomato	National Wholesale Market	NDL	-	-
50	Bean	National Wholesale Market	NDL	-	-
51	Chinese Cabbage (Petsai)	Helvetia	NDL	-	-
52	Beetroot	Helvetia	NDL	-	-
53	Bottle-gourd	National Wholesale Market	NDL	-	-
54	Bell Pepper	National Wholesale Market	Acetamiprid Carbendazim Hexaconazole Thiophanate- methyl	0.030 0.019 0.015 0.190 (Excess)	0.3 0.1 0.1 0.1

55	Cauliflower	National Wholesale Market	NDL	-	-
56	Cassava	National Wholesale Market	NDL	-	-
57	Cauliflower	National Wholesale Market	NDL	-	-
58	Bittergourd	National Wholesale Market	NDL	-	-
59	Tomato	Rivière du Rempart	NDL	-	-
60	Tomato	Rivière du Rempart	Acetamiprid	0.090	0.5
61	Tomato	Rivière du Rempart	NDL	-	-
62	Lettuce	Rivière du Rempart	NDL	-	-
63	Bottle-gourd	Rivière du Rempart	NDL	-	-
64	Squash	Rivière du Rempart	NDL	-	-
65	Chinese White Cabbage (Tom Pouce)	Rivière du Rempart	NDL	-	-
66	Baby Potato	Rivière du Rempart	Cyromazine	0.015	0.05
67	Cabbage	Rivière du Rempart	NDL	-	-
68	Tomato (Salad)	Rivière du Rempart	NDL	-	-
69	Chayote	National Wholesale Market	NDL	-	-

70	Cabbage	National Wholesale Market	Acetamiprid Propamocarb	0.011 0.710	NR NR
71	Cabbage	National Wholesale Market	NDL	-	-
72	Chayote	National Wholesale Market	NDL	-	-
73	Carrot	National Wholesale Market	NDL	-	-
74	Chinese Cabbage (Petsai)	National Wholesale Market	NDL	-	-
75	Bell Pepper	National Wholesale Market	Acetamiprid Imidacloprid	0.015 0.036	0.3 NR

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Apple	NDL	-	-
2	Mandarin	Azoxystrobin Imazalil Thiabendazole	0.039 1.300 0.240	15 15 7
3	Orange	Azoxystrobin Imazalil Thiabendazole	0.019 2.200 0.840	15 15 7
4	Potato	NDL	-	-
5	Garlic	NDL	-	-
6	Orange	Imazalil Thiabendazole	1.100 0.210	15 7
7	Orange	Azoxystrobin Difenoconazole Imazalil Thiabendazole	0.250 0.280 1.500 0.580	15 0.6 15 7

8	Grapefruit	Azoxystrobin Difenoconazole Fludioxonil Thiabendazole	0.580 0.590 1.600 0.380	15 0.6 10 7
9	Grapes (Seedless Crimson)	Imazalil Propamocarb	0.120 (Excess) 1.000 (Excess)	0.01 0.01
10	Apple	Acetamiprid Fludioxonil	0.021 0.110	0.8 5
11	Grapes	NDL	-	-

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