

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

Pesticides Regulatory Office, Réduit

Tel: 401 2800

E-mail: moapro22@gmail.com

Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of May 2023

Number of samples collected: **85**

Number of samples from farm gate level: **22**

Number of samples from supermarkets: **49**

Number of imported samples: **14**

Number of samples with pesticide residues exceeding MRL: 8

Number of samples with pesticide residues not recommended on that crop: 12

Number of Improvement Notices issued: 12

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	Chayote	Dubreuil	NDL	-	-
2	Lemon (Local)	Dubreuil	NDL	-	-
3	Eggplant	Belle-Mare	NDL	-	-
4	Bottle-gourd	Palmar	NDL	-	-
5	Ridge-gourd	Palmar	NDL	-	-
6	Okra	Palmar	NDL	-	-
7	Lettuce (Batavia)	St-Pierre	NDL	-	-
8	Lettuce (Multi-Feuilles)	St-Pierre	NDL	-	-
9	Tomato	Beau-Plateau	Acetamiprid Azoxystrobin Thiophanate-methyl Carbendazim	0.12 0.016 0.094 0.030	0.5 3 0.5 0.5
10	Lettuce (Iceberg)	St-Pierre	Propamocarb	0.056	NR
11	Lettuce (Batavia)	St-Pierre	Propamocarb	0.024	NR

12	Bell Pepper (Green Mix)	Belle Terre	Carbendazim Metalaxyl Thiophanate-methyl	0.12 (Excess) 0.017 1.4 (Excess)	0.1 0.5 0.1
13	Cucumber	Glen Park, Vacoas	Metalaxyl	0.038 (Excess)	0.01
14	Squash	Glen Park, Vacoas	NDL	-	-
15	English Cucumber	Bel Village	Metalaxyl	0.083 (Excess)	0.01
16	Chayote	Henrietta, Vacoas	NDL	-	-
17	Watercress	Quatre-Bornes	Boscalid	0.046	NR
18	Watercress	Mahébourg	NDL	-	-
19	Bitter-gourd	Vacoas	NDL	-	-
20	Lettuce	Eau Coulée	NDL	-	-
21	Bottle-gourd	Bel Air Rivière Sèche	NDL	-	-
22	Amaranth	Mont Roche	NDL	-	-

2. Results of analysis of samples collected at super markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Chinese White Cabbage (Tom Pouce)	Flacq	NDL	-	-
2	Chinese White Cabbage (Brède Baton Vert)	Flacq	NDL	-	-
3	Cherry Tomato	Flacq	NDL	-	-
4	Chinese White Cabbage (Brède Baton Blanc)	Flacq	NDL	-	-
5	Cucumber	Flacq	NDL	-	-
6	Zucchini	Flacq	Metalaxyl	0.032	0.01

				(Excess)	
7	Carrot	Terre Rouge	NDL	-	-
8	Sweet Potato	Terre Rouge	NDL	-	-
9	Garlic	Terre Rouge	NDL	-	-
10	Amaranth	Terre Rouge	NDL	-	-
11	Mustard Cabbage (Brède Frisée)	Terre Rouge	Cyromazine	0.029	0.05
12	Chinese White Cabbage (Tom Pouce)	Terre Rouge	Cyromazine	0.013	0.05
13	Cucumber	Terre Rouge	NDL	-	-
14	Zucchini	Terre Rouge	Pyraclostrobin	0.024	0.5
15	Aubergine	Terre Rouge	NDL	-	-
16	Chinese White Cabbage (Tom Pouce)	Rose-Belle	NDL	-	-
17	Okra	Rose-Belle	Acetamiprid	0.026	0.2
18	Ridge-gourd	Rose-Belle	NDL	-	-
19	Squash	Rose-Belle	Propamocarb Pyraclostrobin	0.037 0.048	5 0.5
20	Carrot	Rose-Belle	NDL	-	-
21	Tomato (Mini Italian Plum)	Rose-Belle	Azoxystrobin Difenoconazole	0.12 0.11	3 2
22	Cucumber	Rose-Belle	NDL	-	-
23	Tomato	Rose-Belle	Metalaxyl	0.015	NR
24	Lettuce (Iceberg)	Rose-Belle	NDL	-	-
25	Watercress	Grand Bay	Fenpyroximat	0.091	NR
26	Lettuce (Iceberg)	Grand Bay	NDL	-	-
27	Tomato (Bonbon)	Grand Bay	NDL	-	-
28	Pumpkin	Grand Bay	NDL	-	-
29	Zucchini	Grand Bay	Metalaxyl	0.015 (Excess)	0.01
30	Cucumber	Grand Bay	NDL	-	-
31	Carrot	Grand Bay	NDL	-	-
32	English Cucumber	Grand Bay	Metalaxyl	0.027	0.01

				(Excess)	
33	Potato	Port-Louis	Thiamethoxam	0.025	NR
34	Onion	Port-Louis	NDL	-	-
35	Chinese White Cabbage (Tom Pouce)	Port-Louis	NDL	-	-
36	Cabbage	Port-Louis	NDL	-	-
37	Bottle-gourd	Port-Louis	NDL	-	-
38	Eggplant- Garden Egg	Port-Louis	NDL	-	-
39	Tomato	Port-Louis	NDL	-	-
40	Watercress	Tamarin	Pyraclostrobin	0.014	NR
41	Bottle-gourd	Tamarin	Piperonyl butoxide	0.063	NR
42	Squash	Tamarin	Piperonyl butoxide Thiamethoxam	0.033 0.011	NR NR
43	Cucumber	Tamarin	Metalaxyl	0.026 (Excess)	0.01
44	Bell Pepper (Poivron Snack)	Tamarin	Acetamiprid Carbendazim Thiamethoxam Thiophanate-methyl	0.093 0.017 0.016 0.26 (Excess)	0.3 0.1 NR 0.1
45	English Cucumber	Tamarin	Acetamiprid	0.013	0.3
46	Eggplant	Tamarin	Piperonyl butoxide	0.010	NR
47	Lettuce	Tamarin	Carbendazim Propamocarb Thiophanate-methyl	0.057 0.054 0.41	NR NR NR
48	Cabbage (Red)	Tamarin	NDL	-	-
49	Banana	Tamarin	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Kiwi (Gold)	NDL	-	-

2	Kiwi	Fludioxonil	2.4	15
3	Plum	Fludioxonil Spirotetramat	0.32 0.070	5 3
4	Orange	Imazalil Pyrimethanil Thiabendazole	1.7 0.094 0.61	8 8 7
5	Strawberry	Cyprodinil Etoazole Fludioxonil Pyrimethanil	0.092 0.014 0.090 0.14	10 0.2 4 5
6	Lime	Carbendazim	0.077	0.7
7	Apple (Top Red)	NDL	-	-
8	Orange	Imazalil Pyrimethanil	1.5 0.098	8 8
9	Grapefruit	Imazalil	0.93	5
10	Mandarin Sweet C	Imazalil Pyrimethanil	1.6 0.63	5 8
11	Pomegranate	NDL	-	-
12	Lettuce (Iceberg)	NDL	-	-
13	Lemon	NDL	-	-
14	Mandarin	NDL	-	-

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