

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

Pesticides Regulatory Office, Réduit

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

Number of samples collected: **81**

Number of samples from farm gate level: **14**

Number of samples from auction and supermarkets: **52**

Number of imported samples: **15**

Number of samples with pesticide residues exceeding MRL: **1**

Number of samples with pesticide residues not recommended on those crops: **5**

Number of Improvement Notices issued: **5**

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 (Rocket)	Pailles	NDL	-	-
2	Banana	Pailles	NDL	-	-
3	Bottle-gourd	Pailles	NDL	-	-
4	Sweet Potato	Pailles	NDL	-	-
5	Chinese White Cabbage (Brède Baton Vert)	Pailles	NDL	-	-
6	Papaya	Pailles	NDL	-	-
7	Maize	Pailles	NDL	-	-
8	Chinese White Cabbage (Brède Baton Blanc)	Terre Rouge	NDL	-	-
9	Leafy brassica (Brède Macaw)	Terre Rouge	NDL	-	-
10	Water Spinach (Brède Patate)	Terre Rouge	NDL	-	-

11	Amaranth	Terre Rouge	NDL	-	-
12	Chinese White Cabbage (Brède Tom Pouce)	Terre Rouge	NDL	-	-
13	Chinese Cabbage (Brède de Chine)	Terre Rouge	NDL	-	-
14	Green Onion	Crève Coeur	NDL	-	-

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

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Pumpkin	National Wholesale Market	NDL	-	-
2	Okra	National Wholesale Market	NDL	-	-
3	Cassava	National Wholesale Market	NDL	-	-
4	Pineapple	National Wholesale Market	NDL	-	-
5	Pineapple	National Wholesale Market	NDL	-	-
6	Tomato	Urban Terminal, Port-Louis	Acetamiprid Clothianidin Thiamethoxam	0.038 0.029 0.060	0.5 NR NR
7	Green Bell Pepper	Urban Terminal, Port-Louis	Acetamiprid Boscalid Carbendazim Dimethomorph Imidacloprid Myclobutanil Pyraclostrobin Thiophanate-methyl	0.110 0.100 0.039 0.071 0.034 0.044 0.072 0.060	0.3 NR 0.1 NR NR NR NR 0.1

8	Beetroot	Urban Terminal, Port-Louis	NDL	-	-
9	Cucumber	Urban Terminal, Port-Louis	Acetamiprid	0.021	0.3
10	Lettuce (Batavia)	Urban Terminal, Port-Louis	Carbendazim Cyromazine Thiophanate-methyl	0.280 0.130 0.30 (Excess)	5 3 0.1
11	Pineapple	National Wholesale Market	NDL	-	-
12	Hog Plum (Fruit de Cythère)	National Wholesale Market	NDL	-	-
13	Watermelon	National Wholesale Market	NDL	-	-
14	Watermelon	National Wholesale Market	Propamocarb	0.011	NR
15	Banana	Bagatelle	NDL	-	-
16	Tomato (Hydro)	Bagatelle	Boscalid Chlorantraniliprole Metalaxyl Pyraclostrobin	0.086 0.017 0.016 0.063	3 5 NR 0.3
17	Aubergine	Bagatelle	NDL	-	-
18	Banana	Bagatelle	NDL	-	-
19	Pineapple	National Wholesale Market	NDL	-	-
20	Carrot	National Wholesale Market	NDL	-	-
21	Cabbage	National Wholesale Market	NDL	-	-
22	Pineapple	National Wholesale Market	NDL	-	-
23	Pineapple	National Wholesale Market	NDL	-	-
24	Pineapple	National Wholesale Market	NDL	-	-

25	English Cucumber	Terre Rouge	NDL	-	-
26	Carrot	Terre Rouge	NDL	-	-
27	Cabbage	Terre Rouge	NDL	-	-
28	English Cucumber	Riche Terre	Carbendazim	0.020	0.1
29	Carrot	Riche Terre	NDL	-	-
30	White Cucumber	Riche Terre	NDL	-	-
31	Sweet Potato	Riche Terre	NDL	-	-
32	Ginger	Riche Terre	NDL	-	-
33	Lettuce (Iceberg)	Riche Terre	NDL	-	-
34	White Cucumber	Riche Terre	Acetamiprid	0.014	0.3
35	Aubergine	Wooton	NDL	-	-
36	Carrot	Wooton	NDL	-	-
37	Lettuce	Wooton	NDL	-	-
38	Zucchini	Wooton	Boscalid	0.011	4
39	Watercress	Wooton	NDL	-	-
40	Beetroot	Wooton	NDL	-	-
41	Chayote	Wooton	NDL	-	-
42	English Cucumber	Wooton	Acetamiprid	0.019	0.3
43	White Cucumber	Wooton	Carbendazim	0.016	0.1
44	Squash	Wooton	Pyraclostrobin	0.015	0.5
45	Chinese White Cabbage (Brède Tom Pouce)	Wooton	NDL	-	-
46	Chinese White Cabbage (Brède Tom Pouce)	Wooton	Carbendazim	0.020	NR
47	Cherry Tomato	Wooton	Carbendazim Thiophanate-methyl	0.023 0.110	0.5 0.5
48	Banana	Wooton	NDL	-	-
49	Pineapple	Wooton	NDL	-	-
50	Ginger	Wooton	NDL	-	-
51	Bottle-gourd	Wooton	NDL	-	-

52	Sweet Potato	Wooton	NDL	-	-
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3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Orange	Imazalil Pyriproxifen Thiabendazole	1.400 0.016 0.270	15 0.6 7
2	Grapes (Red Seedless)	Cyprodinil Methomyl	0.130 0.054	3 0.3
3	Butternut	NDL	-	-
4	Pomelo	NDL	-	-
5	Mandarin	Imazalil	0.420	15
6	Orange	Imazalil	2.000	15
7	Grapes	Pyrimethanil	0.095	5
8	Green Apple (Golden)	NDL	-	-
9	Red Plum	Fludioxonil	0.160	5
10	Garlic	NDL	-	-
11	Bean	Carbendazim Thiophanate-methyl	0.091 0.072	0.2 0.1
12	Potato	NDL	-	-
13	Onion	NDL	-	-
14	Carrot	NDL	-	-
15	Cabbage	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