

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 June 2024

Number of samples collected: **115**

Number of samples from farm gate level: **43**

Number of samples from supermarkets/retailers: **21**

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

Number of imported samples: **10**

Number of samples with pesticide residues exceeding MRL: **3**

Number of samples with pesticide residues not recommended: **14**

Improvement Notice issued: **13**

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	Vacoas	NDL	-	-
2	Chinese White Cabbage (Brède Tom Pouce)	Vacoas	NDL	-	-
3	Beetroot	Vacoas	NDL	-	-
4	Lettuce	Vacoas	NDL	-	-
5	Lettuce	Vacoas	NDL	-	-
6	Lettuce	Vacoas	NDL	-	-
7	Lettuce	St Martin	Tebuconazole	0.021	NR
8	Chinese White Cabbage (Brède Baton Blanc)	St Martin	NDL	-	-

9	Chinese White Cabbage (Brède Tom Pouce)	St Martin	NDL	-	-
10	Chilli (Piment Cari)	Bassin	Acetamiprid	0.180	0.3
11	Thyme	Bassin	Acetamiprid Imazalil Isocarbofos	0.073 0.036 0.012	NR NR NR
12	Lettuce	Cressonville	Imazalil	0.036	NR
13	Lettuce	Cressonville	NDL	-	-
14	Water Spinach	Cressonville	Carbendazim Propamocarb	0.074 2.900	NR NR
15	Garden Eggplant (Brinjel Anguive)	Rivière du Poste	NDL	-	-
16	Butternut	Rivière des Anguilles	NDL	-	-
17	Passion Fruit	Rivière des Anguilles	NDL	-	-
18	Bell Pepper	Rivière des Anguilles	Chlorantraniliprole	0.054	0.6
19	Papaya	Rivière des Anguilles	NDL	-	-
20	Banana	Rivière des Anguilles	Tebuconazole	0.038	1.5
21	Sweet Potato	Rivière des Anguilles	NDL	-	-
22	Pineapple	Rivière des Anguilles	NDL	-	-
23	Chilli	Rivière des Anguilles	NDL	-	-
24	Eggplant	Rivière des Anguilles	NDL	-	-
25	Banana	Rivière des Anguilles	Azoxystrobin Difenoconazole	0.019 0.020	NR NR
26	Carrot	Rivière des Anguilles	NDL	-	-
27	Carrot	Pailles	NDL	-	-
28	Cassava	Pailles	NDL	-	-

29	Papaya (Green)	Pailles	NDL	-	-
30	Banana (Green)	Pailles	NDL	-	-
31	Lettuce	Pailles	NDL	-	-
32	Lettuce	Pailles	NDL	-	-
33	Chinese White Cabbage (Brède Tom Pouce)	Pailles	NDL	-	-
34	Beetroot	Pailles	NDL	-	-
35	Radish	Pailles	NDL	-	-
36	Green Radish	Pailles	Imazalil	0.019	NR
37	Basil	Pailles	Imazalil Isocarbofos	0.019 0.020	NR NR
38	Tomato	Flacq	NDL	-	-
39	Tomato	Flacq	NDL	-	-
40	Tomato	Flacq	NDL	-	-
41	Cherry Tomato	Flacq	NDL	-	-
42	Lettuce	Flacq	NDL	-	-
43	Papaya	Camp de Masque	NDL	-	-

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

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Banana	Beau Bassin	NDL	-	-
2	Pineapple	Beau Bassin	NDL	-	-

3	Ginger	Beau Bassin	NDL	-	-
4	Butternut	Beau Bassin	NDL	-	-
5	Cucumber	Beau Bassin	NDL	-	-
6	Celery	Beau Bassin	NDL	-	-
7	Carrot	Tamarin	NDL	-	-
8	Beetroot	Tamarin	NDL	-	-
9	Cabbage	Tamarin	NDL	-	-
10	Chinese Cabbage (Petsai)	Tamarin	NDL	-	-
11	Chinese White Cabbage (Brède Tom Pouce)	Tamarin	Cyromazine	0.019	0.05
12	Pepper	Tamarin	Acephate Carbendazim Methamidophos Propiconazole Thiamethoxam Thiophanate-methyl	0.120 0.012 0.039 0.055 0.018 0.021	NR 0.1 NR NR NR 0.1
13	Eggplant	Tamarin	Azoxystrobin Difenoconazole	0.160 0.160	3 NR
14	Potato	Tamarin	NDL	-	-
15	Tomato	Tamarin	Acetamiprid Carbendazim	0.095 0.028	0.5 0.5
16	Papaya	Tamarin	Carbendazim	0.016	0.2
17	English Cucumber	Tamarin	Acetamiprid Cyromazine Propamocarb	0.025 0.110 0.220	0.3 0.4 5
18	Cherry Tomato	Tamarin	NDL	-	-
19	Cucumber	National Wholesale Market	NDL	-	-

20	Tomato	National Wholesale Market	NDL	-	-
21	Cabbage	National Wholesale Market	NDL	-	-
22	Chayote	National Wholesale Market	NDL	-	-
23	Chayote	National Wholesale Market	NDL	-	-
24	Carrot	National Wholesale Market	NDL	-	-
25	Papaya	National Wholesale Market	NDL	-	-
26	Beetroot	National Wholesale Market	Cyromazine	0.022	NR
27	Tomato	National Wholesale Market	NDL	-	-
28	Tomato	National Wholesale Market	NDL	-	-
29	Cucumber	National Wholesale Market	Metalaxyl	0.013 (Excess)	0.01
30	Chinese Cabbage (Petsai)	National Wholesale Market	Carbendazim	0.720	NR
31	Lettuce	National Wholesale Market	Carbendazim	8.000 (Excess)	5
32	Watercress	National Wholesale Market	Acetamiprid	0.092	NR
33	Bitter-gourd	National Wholesale Market	NDL	-	-
34	Tomato	National Wholesale Market	NDL	-	-
35	Cabbage	National Wholesale Market	NDL	-	-
36	Chayote	National Wholesale Market	NDL	-	-
37	Eggplant	National Wholesale Market	Acetamiprid	0.022	0.2
38	Cucumber	National Wholesale Market	NDL	-	-
39	Chayote	National Wholesale Market	NDL	-	-

40	Tomato	National Wholesale Market	Cyromazine	0.034	0.6
41	Okra	National Wholesale Market	Acetamiprid Metalaxyl	0.160 0.054	0.2 NR
42	Tomato	National Wholesale Market	Acetamiprid Tebuconazole	0.014 0.025	0.5 0.7
43	Cabbage	National Wholesale Market	NDL	-	-
44	Cabbage	National Wholesale Market	NDL	-	-
45	Eggplant	National Wholesale Market	Azoxystrobin Cyromazine	0.029 0.015	3 0.6
46	Tomato	National Wholesale Market	NDL	-	-
47	Cabbage	National Wholesale Market	NDL	-	-
48	Eggplant	National Wholesale Market	Acetamiprid	0.046	0.2
49	Tomato	National Wholesale Market	NDL	-	-
50	Bell Pepper (Green)	National Wholesale Market	Acetamiprid Carbendazim	0.014 0.023	0.3 0.1
51	Tomato	National Wholesale Market	Acetamiprid	0.013	0.5
52	Beetroot	National Wholesale Market	NDL	-	-
53	Carrot	National Wholesale Market	NDL	-	-
54	Cassava	National Wholesale Market	NDL	-	-
55	Chinese Cabbage (Petsai)	National Wholesale Market	NDL	-	-
56	Bottle-gourd	National Wholesale Market	NDL	-	-
57	Tomato	National Wholesale Market	NDL	-	-
58	Papaya	National Wholesale Market	Thiophanate-methyl	0.027	0.1
59	Banana	National Wholesale Market	NDL	-	-
60	Pineapple	Réduit	Thiabendazole	0.012	NR
61	Lettuce (Iceberg)	Réduit	Cyromazine	0.045	3

62	Papaya	Réduit	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	Lemon	Imazalil Pyraclostrobin Thiabendazole	1.100 0.027 0.043	15 2 7
2	Cherry	Acetamiprid	0.035	1.5
3	Grape (Black Seedless)	NDL	-	-
4	Mandarin	Imazalil Methoxyfenozide Pyraclostrobin Pyrimethanil Thiabendazole	0.940 0.270 0.093 2.5 1.6	15 2 2 8 7
5	Plum	NDL	-	-
6	Melon	NDL	-	-
7	Grape (Red Seedless)	NDL	-	-
8	Apple (Pink Lady)	NDL	-	-
9	Grapefruit	NDL	-	-
10	Avocado	Metconazole Pyraclostrobin Thiabendazole	0.027 (Excess) 0.093 0.700	0.02 0.2 20

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