

# MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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## **Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of March 2023**

Number of samples collected: **80**

Number of samples from farm gate level: **10**

Number of samples from supermarkets: **52**

Number of imported samples: **18**

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

Number of samples with pesticide residues not recommended on that crop: **13**

Number of Improvement Notices issued: **15**

### **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	<b>Ridge-gourd</b>	<b>Gros-Billot</b>	Cyromazine <b>Lambda-cyhalothrin</b>	0.018 <b>0.096 (Excess)</b>	0.4 <b>0.05</b>
2	Asparagus Bean	Gros-Billot	Acetamiprid Carbendazim Cypermethrin Cyromazine Lambda-cyhalothrin	0.084 0.017 0.31 0.057 0.17	0.6 0.5 0.7 5 0.2
3	Eggplant	Plaine Magnien	Lambda-cyhalothrin <b>Thiamethoxam</b>	0.040 0.033	0.3 <b>NR</b>
4	Tomato	La Marie	Acetamiprid Azoxystrobin Difenoconazole	0.16 0.046 0.044	0.5 3 2
5	Green Cucumber (Green)	La Marie	NDL	-	-

6	Cucumber (White)	La Marie	NDL	-	-
7	Tomato	La Marie	Acetamiprid Azoxystrobin Difenoconazole	0.050 0.086 0.089	0.5 3 2
8	Carrot	Robinson, Curepipe	NDL	-	-
9	Lettuce (Rocket)	Réduit	<b>Tebuconazole</b>	0.029	<b>NR</b>
10	Lettuce	St-Martin	NDL	-	-

## 2. Results of analysis of samples collected at super markets and auction markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Banana	Curepipe	NDL	-	-
2	Carrot	Curepipe	NDL	-	-
3	Onion	Curepipe	NDL	-	-
4	Garlic	Curepipe	NDL	-	-
5	Kale	Curepipe	NDL	-	-
6	Tomato	Curepipe	<b>Benfuracarb</b> Lambda-cyhalothrin <b>Mandipropamid</b>	0.042 0.023 0.038	<b>NR</b> 0.3 <b>NR</b>
7	English Cucumber	Curepipe	NDL	-	-
8	Lettuce	Curepipe	<b>Carbendazim</b> Lambda-cyhalothrin <b>Thiophanate-methyl</b>	0.53 0.064 7.9	<b>NR</b> 1 <b>NR</b>
9	Dragon Fruit	Curepipe	NDL	-	-
10	Lettuce (Batavia Variées)	Rose-Belle	<b>Carbendazim</b> <b>Cypermethrin</b> Lambda-cyhalothrin	0.034 0.25 0.062	<b>NR</b> <b>NR</b> 1
11	Cabbage	Rose-Belle	NDL	-	-
12	Amaranth	Rose-Belle	NDL	-	-

13	Chinese White Cabbage ( Brède Tom Pouce)	Rose-Belle	NDL	-	-
14	Chinese White Cabbage (Brède Baton Vert)	Rose-Belle	NDL	-	-
15	Tomato	Rose-Belle	Acetamiprid Azoxystrobin Difenoconazole	0.029 0.15 0.16	0.5 3 2
16	Beetroot	Rose-Belle	NDL	-	-
17	Chinese White Cabbage (Brède Blanc)	Bel -Air	NDL	-	-
18	Spring Onion	Bel -Air	<b>Azoxystrobin</b>	0.013	<b>NR</b>
19	Watercress	Bel -Air	NDL	-	-
20	English Cucumber	Bel -Air	Carbendazim Thiophanate-methyl	0.045 0.044	0.1 0.5
21	Tomato	Bel -Air	Tebuconazole	0.30	0.7
22	Carrot	Bel -Air	NDL	-	-
23	Carrot	Bel -Air	NDL	-	-
24	Potato	Vacoas	NDL	-	-
25	Carrot	Vacoas	NDL	-	-
26	Tomato	Beau Vallon	NDL	-	-
27	<b>English Cucumber</b>	<b>Beau Vallon</b>	Carbendazim <b>Metalaxyl</b> Thiophanate-methyl	0.025 <b>0.028</b> <b>(Excess)</b> 0.038	0.1 <b>0.01</b> 0.5
28	Chinese White Cabbage (Brède Tom Pouce)	Beau Vallon	NDL	-	-
29	Lettuce	Beau Vallon	NDL	-	-

30	Watercress	Beau Vallon	<b>Acetamiprid</b> <b>Thiamethoxam</b>	0.16 0.012	<b>NR</b> <b>NR</b>
31	Dragon Fruit	Beau Vallon	NDL	-	-
32	Amaranth	Beau Vallon	<b>Acetamiprid</b>	0.15	<b>NR</b>
33	Melon	Beau Vallon	NDL	-	-
34	Parsley	Cascavelle	<b>Tebuconazole</b>	0.016	<b>NR</b>
35	Chinese White Cabbage (Brède Tom Pouce)	Cascavelle	NDL	-	-
36	Lettuce	Cascavelle	NDL	-	-
37	Butternut	Cascavelle	NDL	-	-
38	<b>Cucumber (White)</b>	<b>Cascavelle</b>	<b>Metalaxyl</b>	<b>0.023 (Excess)</b>	<b>0.01</b>
39	Bell Pepper	Cascavelle	Acetamiprid Azoxystrobin <b>Benfuracarb</b> Difenoconazole <b>Mandipropamid</b> Metalaxyl	0.047 0.12 0.47 0.12 0.49 0.059	0.3 10 <b>NR</b> 0.6 <b>NR</b> 0.5
40	Sweet Potato	Cascavelle	NDL	-	-
41	Turmeric	Cascavelle	NDL	-	-
42	English Cucumber	Cascavelle	Boscalid Carbendazim Thiophanate-methyl	0.085 0.063 0.096	3 0.1 0.5
43	Garlic	Cascavelle	NDL	-	-
44	Carrot	Tamarin	NDL	-	-
45	Cabbage	Tamarin	Metalaxyl	0.013	0.06
46	Beetroot	Tamarin	NDL	-	-
47	Lettuce	Tamarin	<b>Propamocarb</b>	0.031	<b>NR</b>
48	Tomato	Tamarin	Acetamiprid	0.031	0.5
49	Butternut	Tamarin	NDL	-	-
50	Chinese White Cabbage	Tamarin	<b>Propamocarb</b>	0.021	<b>NR</b>

	(Brède Tom Pouce)				
51	Eggplant	Tamarin	<b>Imidacloprid</b>	0.011	<b>NR</b>
52	Cucumber (White)	Tamarin	NDL	-	-

### 3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Plum	NDL	-	-
2	Mandarin	Imazalil Pyrimethanil	1.7 0.75	5 8
3	Grapes (Black Seedless)	NDL	-	-
4	Mandarin (Sweet C)	Imazalil Lambda-cyhalothrin Pyrimethanil Thiabendazole	1.5 0.16 0.68 0.011	5 0.2 8 7
5	Orange	Imazalil Lambda-cyhalothrin Pyrimethanil Thiabendazole	1.6 0.043 0.88 0.32	8 0.2 8 7
6	Grapefruit	Imazalil Thiabendazole	0.46 0.38	5 7
7	Plum	Fludioxonil Pyrimethanil	0.45 0.17	5 2
8	Kiwi	NDL	-	-
9	Apple (Green)	NDL	-	-
10	Mandarin	Imazalil Thiabendazole Pyrimethanil	1.8 0.032 1	5 7 8
11	Plum	Fenbuconazole Fludioxonil Pyrimethanil	0.021 0.22 0.35	0.6 5 2

12	Mandarin	Imazalil	0.82	5
		Pyrimethanil	0.13	8
		Thiabendazole	0.30	7
13	Grapefruit	Imazalil	0.64	5
		Pyrimethanil	1.2	8
		Thiabendazole	0.40	7
14	Apple	NDL	-	-
15	Orange (Valencia)	Dimethoate	0.050	5
		Imazalil	0.81	8
		Thiabendazole	0.25	7
16	Orange (Navel)	Carbendazim	0.14	1
		Imazalil	1	8
		Thiabendazole	0.22	7
17	Kiwi (Sungold)	NDL	-	-
18	Grapefruit	Imazalil	0.65	5
		Thiabendazole	0.17	7

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