

MINISTRY OF AGRO INDUSTRY, FOOD SECURITY, BLUE ECONOMY & FISHERIES

Pesticides Regulatory Office, Réduit

Tel No: 401 2800

Email: moapro22@gmail.com

Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of FEBRUARY 2025

Total number of samples from Pesticides Regulatory Office: 117

Number of samples from farm gate level: 29

Number of samples from National Wholesale Market: 27

Number of samples from Supermarkets: 33

Number of samples from Retailers: 21

Number of imported samples: 7

Number of samples with pesticide residues exceeding MRL: 5

Number of samples with pesticide residues not recommended: 23

1. Results of analysis of samples collected at farm gate level

S.N	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	Remarks/M RL (mg/kg)
1.	Cowpea	La Laura, St Pierre	NDL	-	-
2.	Bittergourd	La Laura, St Pierre	NDL	-	-
3.	Parsley (Curly Leaf)	Rivière Baptiste	NDL	-	-
4.	Thyme	Rivière Baptiste	Acetamiprid Carbendazim Hexaconazole	0.073 0.190 0.048	NR NR NR
5.	Green Onions	Rivière Baptiste	NDL	-	-
6.	Lettuce	Rivière Baptiste	NDL	-	-
7.	Eggplant	Valentina, Phoenix	NDL	-	-
8.	Cucumber (English)	Valentina, Phoenix	Boscalid Carbendazim	0.036 0.022	3 0.1
9.	Tomato	Valentina, Phoenix	NDL	-	-
10.	Thai Eggplant (Brinjal Anguive)	Rivière du Poste	NDL	-	-

11.	Bittergourd	Rivière des Anguilles	NDL	-	-
12.	Banana	St Aubin	NDL	-	-
13.	Butternut	Union Ducray	NDL	-	-
14.	Banana	Union Ducray	NDL	-	-
15.	Bell Pepper	Union Ducray	NDL	-	-
16.	Sweet Potato	Union Ducray	NDL	-	-
17.	Papaya	Union Ducray	NDL	-	-
18.	Lettuce	Union Ducray	NDL	-	-
19.	Carrot	Bambous	NDL	-	-
20.	Banana	Bambous	NDL	-	-
21.	Lettuce	Mon Desert Alma	Azoxystrobin Chlorantraniliprole Difenoconazole Thiamethoxam	1.600 1.100 1.700 0.030	3 20 NR NR
22.	Bell Pepper	Mon Desert Alma	Formetanate	0.012	NR

23.	Tomato (Matihos)	Mon Desert Alma	NDL	-	-
24.	Tomato	Union, Flacq	NDL	-	-
25.	Tomato (Roma)	Union, Flacq	NDL	-	-
26.	Tomato (Bonbon)	Union, Flacq	NDL	-	-
27.	Lettuce (Batavia)	Union, Flacq	NDL	-	-
28.	Lettuce (Feuille de Chêne Rouge)	Union, Flacq	NDL	-	-
29.	Pineapple (Victoria)	Congomah	NDL	-	-

2. Results of analysis of samples collected at Super Markets

S.N	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	Remarks/MR L (mg/kg)
1.	Zucchini	Phoenix	Acetamiprid Propamocarb	0.025 0.090	0.3 5
2.	Cucumber (White)	Phoenix	Thiamethoxam	0.057	NR

3.	Squash	Phoenix	Acetamiprid Propamocarb	0.019 0.056	0.3 5
4.	Eggplant (Aubergine)	Plaisance	NDL	-	-
5.	Bottlegourd	Plaisance	NDL	-	-
6.	Ridgeward	Plaisance	Carbendazim	0.02	0.1
7.	Cucumber (White)	Plaisance	Carbendazim	0.016	0.1
8.	Beetroot	Plaisance	NDL	-	-
9.	Papaya	Plaisance	NDL	-	-
10.	Banana	Plaisance	NDL	-	-
11.	Chinese White Cabbage (Tom Pouce)	Plaisance	NDL	-	-
12.	Chinese White Cabbage (Baton Vert)	Plaisance	NDL	-	-
13.	Green Onions	Plaisance	NDL	-	-
14.	Tomato	Plaisance	NDL	-	-

15.	Watercress	Flacq	Acetamiprid Metalaxyl	0.015 0.110	NR NR
16.	Chinese White Cabbage (Tom Pouce)	Flacq	Boscalid Carbendazim Cyromazine Thiophanate-methyl	0.086 0.063 0.110 (Excess) 0.130	NR NR 0.05 NR
17.	Lettuce	Flacq	Carbendazim Tebuthiuron Thiophanate-methyl	0.720 0.020 5.000	5 NR 0.1
18.	Green Onions	Flacq	Thiophanate-methyl	0.019	NR
19.	Banana	Flacq	Thiophanate-methyl	0.020	0.1
20.	Pineapple	Flacq	NDL	-	-
21.	Amaranth (Brède Kotachee)	Floréal	Linuron Piperonyl butoxide	0.014 0.069	NR NR
22.	Lettuce	Floréal	Carbendazim Piperonyl butoxide	0.130 0.031	5 NR
23.	Chinese Chives	Floréal	Piperonyl butoxide	0.100	NR

24.	Squash	Floréal	Piperonyl butoxide	0.040	NR
25.	Tomato	Floréal	NDL	-	-
26.	Cabbage	Floréal	Metalaxyl	0.013	0.06
27.	Carrot	Floréal	Piperonyl butoxide	0.140	NR
28.	Lettuce (Mignonette)	Curepipe	NDL	-	-
29.	Banana (Ripe)	Curepipe	Piperonyl butoxide	0.033	NR
30.	Green Onions	Curepipe	Piperonyl butoxide	0.025	NR
31.	Eggplant (Aubergine)	Curepipe	NDL	-	-
32.	Sweet Potato (Orange)	Curepipe	NDL	-	-
33.	Banana (Ripe)	Curepipe	NDL	-	-

3. Results of analysis of samples collected at National Wholesale Market- Wooton

S.N	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1.	Sweet Potato	NDL	-	-
2.	Tomato	NDL	-	-
3.	Chayote	NDL	-	-
4.	Cabbage	Methomyl	0.015	NR
5.	Bottlegourd	NDL	-	-
6.	Cabbage	NDL	-	-
7.	Bottlegourd	NDL	-	-
8.	Bottlegourd	Metalaxyl	0.016 (Excess)	0.01
9.	Thai Eggplant (Brinjal Anguive)	Acetamiprid	0.016	0.2
10.	Eddo (Brède songes)	NDL	-	-

11.	Carrot	NDL	-	-
12.	Cucumber (White)	Metalaxyl	0.024 (Excess)	0.01
13.	Zucchini	Metalaxyl	0.027 (Excess)	0.01
14.	Chayote	NDL	-	-
15.	Cucumber (White)	Methomyl	0.032	NR
16.	Cabbage	NDL	-	-
17.	Carrot	NDL	-	-
18.	Eggplant	NDL	-	-
19.	Ridgegourd	NDL	-	-
20.	Eggplant	Acetamiprid	0.025	0.2
21.	Bottlegourd	NDL	-	-
22.	Bottlegourd	NDL	-	-
23.	Pineapple	NDL	-	-

24.	Pineapple	NDL	-	-
25.	Pineapple	NDL	-	-
26.	Hog Plum	NDL	-	-
27.	Mango	NDL	-	-

4. Results of analysis of samples collected at retailers

S.N	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	Remarks/ MRL (mg/kg)
1.	Cucumber (English)	Wooton	Boscalid Tebuconazole	0.014 0.220 (Excess)	3 0.2
2.	Lemon	Wooton	NDL	-	-
3.	Watercress	Wooton	NDL	-	-
4.	Tomato	Wooton	NDL	-	-

5.	Pineapple	Wooton	NDL	-	-
6.	Papaya	Wooton	Acetamiprid	0.026	NR
7.	Dragonfruit	Wooton	NDL	-	-
8.	Tomato - Hydro	Wooton	Boscalid Propamocarb Tebuconazole	0.140 0.630 0.094	3 2 0.7
9.	Spring Onion	Wooton	NDL	-	-
10.	Chinese White Cabbage- Tom Pouce	Wooton	NDL	-	-
11.	Curry Leaves	Wooton	NDL	-	-
12.	Amaranth	Wooton	NDL	-	-
13.	lettuce - Batavia Tourbillon	Wooton	Azoxystrobin Difenoconazole	0.016 0.016	3 NR

14.	Lettuce - Romaine	Wooton	Carbendazim	0.029	5
15.	Beetroot	Wooton	Difenoconazole Tebuconazole	0.024 0.050	0.4 NR
16.	Carrot	Wooton	NDL	-	-
17.	Courgette / Zucchini	Wooton	Acetamiprid Propamocarb	0.024 0.110	0.3 5
18.	Banana	Wooton	NDL	-	-
19.	Pumpkin	Medine	NDL	-	-
20.	Lettuce	Medine	Boscalid Kresoxim- methyl Tebuconazole Trifloxystrobin	0.330 0.019 0.810 0.150	NR NR NR NR
21.	Thyme	Medine	NDL	-	-

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5. Results of analysis from imported samples

S.N	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	Remarks/MRL (mg/kg)
1.	Zucchini	Acetamiprid	0.031	0.3
2.	Celery	Piperonyl butoxide	0.033	NR
3.	Red Plum	NDL	-	-
4.	Kiwi	NDL	-	-
5.	Grapefruit	Imazalil	0.890	15
		Thiabendazole	0.540	7
6.	Strawberry	Bifenazate	0.029	2
7.	Red Grape	Cyprodinil	0.035	3
		Piperonyl butoxide	0.035	NR

Source MRL: **The Use of Pesticides Act 2018 and Codex Alimentarius**

MRL – Maximum Residue Level

NDL – No Detectable Level

NR – Not Recommended