

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 April 2023

Number of samples collected: **67**

Number of samples from farm gate level: **21**

Number of samples from supermarkets: **34**

Number of imported samples: **12**

Number of samples with pesticide residues exceeding MRL: 3

Number of samples with pesticide residues not recommended on that crop: 10

Number of Improvement Notices issued: 11

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	Sweet Potato	Pailles	NDL	-	-
3	Banana (Green)	Pailles	NDL	-	-
4	Mint	Pailles	NDL	-	-
5	Papaya	Pailles	NDL	-	-
6	Leek	Pailles	NDL	-	-
7	Eggplant	Pailles	NDL	-	-
8	Radish	Pailles	NDL	-	-
9	Tomato	Clémencia	Acetamiprid Metalaxyl Tebuconazole	0.076 0.065 0.16	0.5 NR 0.7
10	English Cucumber	Clémencia	Acetamiprid Metalaxyl	0.024 0.11 (Excess)	0.3 0.01

11	Tomato (Coeur de Boeuf)	Flacq	NDL	-	-
12	Butternut	Midlands	NDL	-	-
13	Banana	Nouvelle France	NDL	-	-
14	Okra	Poudre d'Or Hamlet	NDL	-	-
15	Taro (Arouille)	Beau Bassin	NDL	-	-
16	Sweet Potato	Montebello, Pailles	NDL	-	-
17	Bell Pepper (Yellow)	Highlands	Acetamiprid Azoxystrobin Benfuracarb Carbendazim Difenoconazole Mandipropamid Metalaxyl Thiophanate-methyl	0.042 0.11 0.27 0.060 0.11 0.26 0.065 0.49 (Excess)	0.3 10 NR 0.1 0.6 NR 0.03 0.1 (Excess)
18	Lettuce (Romaine)	Vacoas	Pyraclostrobin	0.020	NR
19	Lettuce (Rocket)	Fond du Sac	Carbendazim	0.028	NR
20	Lettuce	Moka	NDL	-	-
21	Beetroot	Moka	NDL	-	-

2. Results of analysis of samples collected at supermarkets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Amaranth	Riche Terre	Cyromazine	0.040	NR
2	Chinese White Cabbage (Tom Pouce)	Riche Terre	NDL	-	-
3	Chinese White Cabbage	Riche Terre	NDL	-	-

	(Brède Baton Vert)				
4	Pineapple	Riche Terre	NDL	-	-
5	Banana	Riche Terre	Tebuconazole	0.018	1.5
6	Zucchini	Riche Terre	Propamocarb	0.084	5
7	Cucumber (White)	Riche Terre	NDL	-	-
8	Squash	Riche Terre	Azoxystrobin Difenoconazole	0.016 0.017	NR NR
9	Chinese White Cabbage (Brède Baton Vert)	Phoenix	Cyromazine	0.016	0.05
10	Spring Onion	Phoenix	NDL	-	-
11	English Cucumber	Phoenix	NDL	-	-
12	English Cucumber	Phoenix	Metalaxyl Propamocarb	0.012 0.41 (Excess)	0.01 5
13	Sweet Potato	Phoenix	NDL	-	-
14	Chayote	Phoenix	NDL	-	-
15	Squash	Phoenix	NDL	-	-
16	Tomato (Rainbow)	Phoenix	NDL	-	-
17	Cherry Tomato	Phoenix	NDL	-	-
18	Tomato	Phoenix	Acetamiprid Azoxystrobin Chlorantraniliprole Difenoconazole	0.016 0.029 0.019 0.032	0.5 3 5 2
19	Melon	Rivière Noire	Acetamiprid Chlorantraniliprole	0.019 0.016	0.2 0.3

			Difenoconazole	0.012	NR
20	Garlic	Rivière Noire	NDL	-	-
21	Ginger	Rivière Noire	NDL	-	-
22	Onion	Rivière Noire	NDL	-	-
23	Tomato	Rivière Noire	NDL	-	-
24	Spring Onion	Rivière Noire	NDL	-	-
25	Watercress	Rivière Noire	Boscalid	0.031	NR
26	Amaranth	Rivière Noire	NDL	-	-
27	Lettuce	Rivière Noire	Boscalid Tebuconazole	0.093 0.29	NR NR
28	Lettuce	Forest-Side	Boscalid Tebuconazole	0.047 0.18	NR NR
29	Squash	Forest-Side	NDL	-	-
30	Eddo (Violette)	Forest-Side	NDL	-	-
31	Cassava	Forest-Side	NDL	-	-
32	Turmeric	Forest-Side	NDL	-	-
33	English Cucumber	Forest-Side	Acetamiprid Carbendazim Thiophanate-methyl	0.015 0.053 0.072	0.3 0.1 0.5
34	Aubergine	Forest-Side	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Grapefruit	Imazalil	0.54	5
2	Apple (Red)	Pyrimethanil	0.90	15

3	Apple (Green)	NDL	-	-
4	Orange	Boscalid	0.020	2
		Imazalil	1.8	8
		Pyrimethanil	0.62	8
5	Lemon	Imazalil	2.0	5
6	Kiwi	Boscalid	0.73	5
7	Lettuce (Coeur de Frisée)	NDL	-	-
8	Apple (Granny)	Pyrimethanil	0.015	15
9	Mandarin (Sweet C)	Imazalil	1.6	5
		Pyrimethanil	1.0	8
		Thiabendazole	0.085	7
10	Plum	Fludioxonil	0.72	5
11	Kiwi	Fludioxonil	0.026	15
12	Pear (Bosch)	Chlorantraniliprole	0.10	0.4

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