

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 March 2024

Number of samples collected: **77**

Number of samples from farm gate level: **16**

Number of samples from supermarkets: **45**

Number of imported samples: **16**

Number of samples with pesticide residues exceeding MRL: 2

Number of samples with pesticide residues not recommended on those crops: 12

Number of Improvement Notices issued: 12

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	Amaranth	Vacoas	Acetamiprid Metribuzin	0.010 0.036	NR NR
2	Chayote Greens	Réduit	NDL	-	-
3	Curry Leaves	Réduit	NDL	-	-
4	Banana	Réduit	NDL	-	-
5	Lettuce	Réduit	NDL	-	-
6	English Cucumber	Réduit	Metalaxyl	0.019 (Excess)	0.01
7	Tomato	Réduit	NDL	-	-
8	Lettuce	Réduit	NDL	-	-
9	Onion	Réduit	NDL	-	-
10	Pumpkin	Réduit	Propamocarb	0.12	5
11	Lettuce	Réduit	Acetamiprid	0.21	NR
12	Carrot	Réduit	NDL	-	-
13	Cabbage	Vacoas	Flubendiamide	0.016	4

14	Carrot	Vacoas	NDL	-	-
15	Okra	Riche Mare, Flacq	Propamocarb	0.021	NR
16	Chayote	Nouvelle Découvèrte	NDL	-	-

2. Results of analysis of samples collected at supermarkets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Lettuce	Curepipe	Carbendazim	0.160	5
2	Lettuce	Curepipe	Carbendazim	0.027	5
3	Watercress	Curepipe	Thiophanate-methyl	0.012	NR
4	Carrot	Curepipe	NDL	-	-
5	Pineapple	Curepipe	NDL	-	-
6	Tomato	Curepipe	Acetamiprid Chlorantraniliprole	0.048 0.045	0.5 5
7	English Cucumber	Curepipe	NDL	-	-
8	Carrot	Curepipe	NDL	-	-
9	English Cucumber	Curepipe	Propamocarb	0.350	5
10	Tomato	Curepipe	NDL	-	-
11	Potato	Curepipe	NDL	-	-
12	Tomato	Forest-Side	Metalaxyl	0.089	NR
13	Taro leaves (Brède Songe)	Forest-Side	NDL	-	-
14	Tomato	Forest-Side	Thiamethoxam	0.013	NR
15	English Cucumber	Forest-Side	NDL	-	-
16	Bitter-gourd	Forest-Side	NDL	-	-
17	Eggplant	Forest-Side	NDL	-	-
18	Endive	Forest-Side	Metalaxyl	0.013	NR
19	Carrot	Forest-Side	NDL	-	-

20	Lettuce	Forest-Side	Metalaxyl	0.01	NR
21	Zucchini	Forest-Side	NDL	-	-
22	Lettuce (Mixed)	Flacq	Clothianidin	0.015	NR
23	English Cucumber	Flacq	NDL	-	-
24	Turnip	Flacq	NDL	-	-
25	Lettuce (Battavia)	Flacq	NDL	-	-
26	Zucchini	Flacq	NDL	-	-
27	Zucchini	Flacq	NDL	-	-
28	English Cucumber	Flacq	Thiamethoxam	0.051	NR
29	Tomato	Flacq	Iprovalicarb	0.038	0.7
30	Pineapple	Flacq	NDL	-	-
31	Tomato (Roma)	Trianon	NDL	-	-
32	Pumpkin	Trianon	NDL	-	-
33	Tomato	Trianon	Chlorantraniliprole	0.033	5
34	English Cucumber	Trianon	Metalaxyl	0.079 (Excess)	0.01
35	Banana	Trianon	NDL	-	-
36	Lettuce	Trianon	NDL	-	-
37	Chinese White Cabbage (Brède Tom Pouce)	Trianon	NDL	-	-
38	Chinese Cabbage (Brède de Chine)	Trianon	Linuron	0.014	NR
39	Spring Onion	Trianon	Pymetrozine	0.027	NR
40	Lettuce (Battavia)	St Pierre	NDL	-	-
41	Watercress	St Pierre	NDL	-	-
42	Carrot	St Pierre	NDL	-	-

43	Chinese White Cabbage (Brède Tom Pouce)	St Pierre	NDL	-	-
44	Banana	St Pierre	NDL	-	-
45	Garlic	St Pierre	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Garlic	NDL	-	-
2	Plum	Fludioxonil	0.210	5
3	Pear	Acetamiprid Chlorantraniliprole Fludioxonil	0.012 0.014 0.450	0.4 0.4 5
4	Orange	Fludioxonil Thiabendazole	0.770 0.370	10 7
5	Mustard (Mixed)	NDL	-	-
6	Apple (Green)	Chlorantraniliprole	0.014	0.4
7	Pear	Fludioxonil	0.56	5
8	Lemon	Azoxystrobin	0.2	15
9	Orange	Dimethoate Imazalil Thiabendazole	0.014 1.6 0.17	5 15 7
10	Apple (Green)	NDL	-	-
11	Apple (Red)	NDL	-	-
12	Apple (Green)	Acetamiprid	0.01	0.8
13	Plum	Azoxystrobin Difenoconazole	0.052 0.05	2 0.5
14	Apple (Green)	NDL	-	-
15	Pear	Chlorantraniliprole Fludioxonil	0.021 0.074	0.4 5
16	Orange	Fludioxonil Imazalil Thiabendazole	0.93 0.47 0.74	10 15 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