

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 December 2022

Total number of samples collected: **41**

Number of samples from farm gate level: **4**

Number of samples from supermarkets/markets: **25**

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: **4**

Number of Improvement Notices issued: **4**

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 (Batavia)	St-Pierre	NDL	-	-
2	Lettuce (Iceberg)	St-Pierre	NDL	-	-
3	Lettuce (Batavia)	Réduit	NDL	-	-
4	Lettuce (Iceberg)	Réduit	NDL	-	-

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

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Snake-gourd	Port Louis	NDL	-	-
2	Ridge-gourd	Port-Louis	Cyromazine Cypermethrin Lambda-cyhalothrin	0.095 0.29 (Excess) 0.23 (Excess)	0.4 0.07 0.05

3	Tomato (Roma)	Port Louis	Acetamiprid Tebuconazole	0.048 0.025	0.5 0.9
4	Cucumber	Port Louis	Propamocarb	0.015	5
5	Tomato	Port Louis	Acetamiprid Tebuconazole	0.042 0.043	0.5 0.9
6	Potato	Port Louis	Cyromazine	0.012	0.05
7	Watermelon	Port Louis	NDL	-	-
8	Pineapple	Port Louis	NDL	-	-
9	English Cucumber	Flic en Flac	Acetamiprid	0.045	0.3
10	Carrot	Flic en Flac	NDL	-	-
11	Bell Pepper	Flic en Flac	Acetamiprid Spinosad	0.080 0.078	0.3 0.3
12	Pineapple	Flic en Flac	Piperonyl butoxide	0.21	NR
13	Butternut	Flic en Flac	Carbendazim Piperonyl butoxide Thiophanate-methyl	0.015 0.065 0.27	NR NR NR
14	Tomato	Beau Vallon	NDL	-	-
15	Potato	Beau Vallon	NDL	-	-
16	Squash	Beau Vallon	NDL	-	-
17	Bottle-gourd	Beau Vallon	NDL	-	-
18	Eggplant	Beau Vallon	NDL	-	-
19	Cucumber	Beau Vallon	NDL	-	-
20	Cucumber	Flacq	NDL	-	-
21	Chinese White Cabbage	Flacq	Tebuconazole	1.2	NR
22	English cucumber	Flacq	NDL	-	-
23	Bitter-gourd	Flacq	Cypermethrin	0.024	0.07
24	Pepper (Mix)	Flacq	Acetamiprid Cypermethrin	0.081 0.021	0.3 NR

			Lambda-cyhalothrin Thiamethoxam	0.015 0.015	0.3 NR
25	Sweet Potato	Flacq	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Grapes (Crimson seedless)	Methoxyfenozide	0.027	1
2	Orange	Imazalil Piperonyl butoxide Pyrimethanil Thiabendazole	0.35 0.015 0.35 0.50	8 5 8 7
3	Avocado	Prochloraz	0.17	7
4	Melon	Acetamiprid Propamocarb Tebuconazole	0.027 0.011 0.091	0.2 5 0.2
5	Apricot	Azoxystrobin Difenoconazole	0.79 0.78 (Excess)	2 0.7
6	Plum	Fludioxonil	0.052	5
7	Pear	Acetamiprid	0.010	0.8
8	Apple	Fludioxonil	0.54	5
9	Orange	Imazalil Pyrimethanil	3.2 1.7	8 8
10	Plum	NDL	-	-
11	Grapefruit	Azoxystrobin Difenoconazole Fludioxonil Methoxyfenozide Imazalil Pyrimethanil	0.032 0.029 2.8 0.025 6.1 (Excess) 2.2	15 0.6 10 2 5 8
12	Apple	Acetamiprid	0.018	0.8

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