

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

Pesticides Regulatory Office, Réduit

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Analysis for samples collected by Pesticides Regulatory Office for the Month of February 2023

Total number of samples collected: **88***

Number of samples from farm gate level: **34**

Number of samples from supermarkets: **44**

Number of imported samples: **10**

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

Number of samples with pesticide residues not recommended on that crop: **20**

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	Eggplant	Belle Mare	Carbendazim Thiophanate-methyl	0.020 0.029	NR NR
2	Asparagus Bean	Belle Mare	NDL	-	-
3	Eggplant	Belle Mare	NDL	-	-
4	Asparagus Bean	Belle Mare	Acetamiprid	0.10	0.6
5	Chilli	Palmar	Acetamiprid Lambda-cyhalothrin Metalaxyl	0.18 1.4 (Excess) 0.21	0.3 0.3 0.5
6	Eggplant	Palmar	NDL	-	-

7	Cucumber	Palmar	Metalaxyl	0.037	0.5
8	Asparagus Bean	Palmar	Cypermethrin	0.31	0.7
			Lambda-cyhalothrin	0.11	0.2
9	Eggplant	Palmar	NDL	-	-
10	Carrot	Glen Park	NDL	-	-
11	Chayote	Vacoas	NDL	-	-
12	Cabbage	Glen Park	NDL	-	-
13	Carrot	La Marie	NDL	-	-
14	Carrot	La Marie	NDL	-	-
15	Chayote	La Marie	NDL	-	-
16	Tomato	Goodlands	NDL	-	-
17	Eggplant	Goodlands	Imidacloprid	0.019	NR
18	Tomato	Goodlands	Lambda cyhalothrin	0.032	0.3
19	Tomato	Flacq	Thiamethoxam	0.031	NR
20	Mint	Providence, Poste de Flacq	NDL	-	-
21	Banana	Nouvelle France	NDL	-	-
22	Watercress	Gros Cailloux	NDL	-	-
23	Lettuce (Rocket)	Pailles	Tebuconazole	0.018	NR
24	Spring Onion	Solferino, Vacoas	Tebuconazole	0.020	NR
			Cypermethrin	0.031	NR
25	Chives	Solferino, Vacoas	Cypermethrin	0.14	NS
26	Cucumber	Deux Bras	NDL	-	-
27	Tomato (Roma)	Deux Bras	Clothianidin	0.020	NR
			Chlorantraniliprole	0.024	5
			Thiamethoxam	0.038	NR
28	Tomato (San Marzano)	Deux Bras	Clothianidin	0.044	NR
			Chlorantraniliprole	0.025	5
			Thiamethoxam	0.029	NR
29	Tomato (Bonbon)	Deux Bras	Clothianidin	0.090	NR
			Thiamethoxam	0.061	NR

30	Tomato (Coeur de Boeuf)	Deux Bras	Clothianidin Thiamethoxam	0.034 0.036	NR NR
31	Tomato	Deux Bras	Clothianidin Chlorantraniliprole Thiamethoxam	0.018 0.013 0.017	NR 5 NR
32	Cabbage	Camp Fouquereaux	Not analysed	-	-
33	Eggplant	Camp Fouquereaux	Not analysed	-	-
34	Hot Pepper	Camp Fouquereaux	Not analysed	-	-

2. Results of analysis of samples collected at super markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Tomato	Pereybère	Acetamiprid Chlorantraniliprole	0.020 0.10	0.5 5
2	Onion	Pereybère	NDL	-	-
3	Cucumber (White)	Pereybère	Acetamiprid Propamocarb	0.072 0.013	0.3 5
4	Chinese White Cabbage (Tom Pouce)	Pereybère	Cypermethrin	0.17	NR
5	Cucumber (White)	Réunion, Vacoas	Acetamiprid	0.064	0.3
6	Cabbage	Réunion, Vacoas	NDL	-	-
7	Bean	Réunion, Vacoas	Carbendazim Lambda- cyhalothrin	0.027 0.032	0.5 0.2
8	Eggplant	Réunion, Vacoas	Acetamiprid	0.043	0.2

9	Beetroot	Réunion, Vacoas	NDL	-	-
10	Eggplant	Réunion, Vacoas	Acetamiprid	0.16	0.2
11	Tomato	Réunion, Vacoas	Tebuconazole	0.23	0.9
			Trifloxystrobin	0.047	0.7
12	Lemon (Local)	Réunion, Vacoas	Acetamiprid	0.010	NR
			Cypermethrin	0.23	2
13	Lettuce (Batavia Variées)	Réunion, Vacoas	Cyromazine	0.029	3
			Lambda-cyhalothrin	0.035	1
14	Bottle-gourd	Goodlands	NDL	-	-
15	Ridge-gourd	Goodlands	NDL	-	-
16	Tomato (Roma)	Goodlands	NDL	-	-
17	Amaranth	Goodlands	Cypermethrin	0.37	NS
18	Chinese White Cabbage (Brède Baton Blanc)	Goodlands	NDL	-	-
19	Chinese White Cabbage (Tom Pouce)	Goodlands	NDL	-	-
20	Chinese White Cabbage (Brède Baton Vert)	Goodlands	Cypermethrin	0.49	NR
21	Watermelon	Goodlands	NDL	-	-
22	Beetroot	Flacq	NDL	-	-
23	Cucumber (White)	Flacq	Acetamiprid	0.19	0.3
			Carbendazim	0.049	0.1
			Metalaxyl	0.18	0.5
			Thiophanate-methyl	0.025	0.5
			Cypermethrin	0.15 (Excess)	0.07
24	Lettuce	Flacq	Cypermethrin	0.021	NR

25	Tomato	Flacq	NDL	-	-
26	Tomato	Flacq	Azoxystrobin Benfuracarb Difenoconazole Mandipropamid	0.019 0.021 0.020 0.021	3 NR 2 NR
27	Amaranth	Flacq	NDL	-	-
28	Bottle-gourd	Flacq	NDL	-	-
29	Lettuce	Flacq	Carbendazim Thiophanate- methyl	0.12 0.38 (Excess)	NR 0.1
30	Squash	Flacq	Metalaxyl Propamocarb Cypermethrin	0.013 0.014 0.037	0.2 5 0.07
31	Cabbage	Candos	Cypermethrin	0.17	NR
32	Lettuce	Candos	Lambda- cyhalothrin	0.033	1
33	Potato	Candos	Cyromazine	0.040	0.05
34	Bottle-gourd	Candos	NDL	-	-
35	Banana	Candos	NDL	-	-
36	Squash	Candos	NDL	-	-
37	Bell Pepper (Mix)	Candos	Azoxystrobin Chlorantraniliprole Difenoconazole	0.097 0.039 0.097	10.0 0.6 0.6
38	Eggplant	Phoenix	NDL	-	-
39	Eggplant	Phoenix	Acetamiprid	0.012	0.2
40	Okra	Phoenix	NDL	-	-
41	Lettuce	Phoenix	Carbendazim Cypermethrin	0.048 0.20	NR NR
42	Tomato (Hydro)	Phoenix	Acetamiprid	0.050	0.5

			Propamocarb	0.30	2
43	Chinese White Cabbage (Brède Baton Blanc)	Phoenix	Thiophanate-methyl	0.013	NR
44	Chinese White Cabbage (Tom Pouce)	Phoenix	Carbendazim Cypermethrin Thiophanate-methyl	0.23 1.1 2.0	NR NR NR

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Grapes (Red Globe)	NDL	-	-
2	Pear	Acetamiprid Fludioxonil	0.035 1	0.8 5
3	Nectarcot	Fludioxonil 4, Methoxyfenozide 5, Pymetrozine Pyrimethanil	0.029 0.013 0.016 0.21	10 2 0.02 10
4	Plum	Fludioxonil	0.066	5
5	Mandarin (Sweet C)	Imazalil Pyrimethanil Thiabendazole	1.5 1.8 0.020	5 8 7
6	Grapefruit	Imazalil	1.5	5
7	Avocado	NDL	-	-
8	Grapes (White Seedless)	NDL	-	-
9	Grapes (Red Seedless)	Zoxamide	0.035	5
10	Plum	Fludioxonil	5	5

* 3 samples not analysed due to contamination with oil in the field

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

NS – Not Specified in the Use of Pesticides Act