

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of January 2023

Total number of samples collected: **100**

Number of samples from farm gate level: **35**

Number of samples from supermarkets: **49**

Number of imported samples: **16**

Number of samples with pesticide residues exceeding MRL: **8**

Number of samples with pesticide residues not recommended on that crop: **16**

Number of Improvement Notices issued: **14**

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	Tomato	La Laura	NDL	-	-
2	Thyme	Rivière Baptiste	Cypermethrin	2.4	NR
3	Parsley	Rivière Baptiste	Cypermethrin	2.3	NR
4	Sweet Potato Greens (Brède Patate Douce)	Terre Rouge	Cypermethrin	0.13	NS
5	Chinese White Cabbage (Brède Baton Blanc)	Terre Rouge	NDL	-	-
6	Chinese Chives (Queue d'Ail)	Terre Rouge	NDL	-	-
7	Spring Onion	Terre Rouge	Cypermethrin	0.17	NR
8	Lettuce (Mignonette)	Terre Rouge	NDL	-	-
9	Chinese White Cabbage (Tom Pouce)	Terre Rouge	NDL	-	-

10	Mustard Cabbage (Brède Frisée)	Terre Rouge	NDL	-	-
11	Mint	Terre Rouge	NDL	-	-
12	Watercress	Terre Rouge	Boscalid Chlorantraniliprole Cypermethrin	0.10 0.072 0.16	NR NR NR
13	Spinach	Terre Rouge	Clothianidin Cypermethrin Tebuconazole	0.017 0.40 0.015	NS
14	Chinese Cabbage	Terre Rouge	NDL	-	-
15	Tomato	Flacq	Acetamiprid	0.024	0.5
16	Bottle gourd	Ripailles	NDL	-	-
17	Cucumber (White)	Ripailles	Cypermethrin	0.19 (Excess)	0.07
18	Coriander	Ripailles	Cypermethrin Cyfluthrin Deltamethrin Lambda-cyhalothrin	0.37 0.033 0.11 0.064	NR NR NR NR
19	Bottle gourd	Dubreuil	NDL	-	-
20	Lemon	Dubreuil	NDL	-	-
21	Parsley	Dubreuil	Cypermethrin Cyfluthrin Lambda-cyhalothrin	0.12 0.044 0.049	NR NR NR
22	Leek	Dubreuil	NDL	-	-
23	Bean	Dubreuil	Cypermethrin Metalaxyl	0.48 0.035 (Excess)	0.7 0.02
24	Chayote Greens (Brède Chouchou)	Dubreuil	NDL	-	-
25	Chinese White Cabbage (Tom Pouce)	Solferino No. 5, Vacoas	NDL	-	-
26	Lettuce	Solferino No. 5, Vacoas	NDL	-	-

27	Spring Onion	Solferino No. 5, Vacoas	Boscalid Carbendazim Cyromazine Tebuconazole Thiophanate-methyl Lambda-cyhalothrin	0.015 0.12 0.023 0.051 0.41 0.028	NR NR 0.05 NR NR 0.05
28	Lettuce	Solferino No. 5, Vacoas	NDL	-	-
29	Turnip	Carreau Laliane	NDL	-	-
30	Bean	Carreau Laliane	Cypermethrin	0.095	0.7
31	Cucumber	Carreau Laliane	Metalaxyl	0.013	0.5
32	Chinese Cabbage	Carreau Laliane	Carbendazim Tebuconazole Thiophanate-methyl	0.44 0.27 7.9 (Excess)	NR 0.7 0.1
33	Lettuce	Carreau Laliane	Carbendazim Tebuconazole Thiophanate-methyl	0.54 0.35 14	NR NR NR
34	Okra	Carreau Laliane	NDL	-	-
35	Spinach	Carreau Laliane	NDL	-	-

2. Results of analysis of samples collected at super markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Garlic	St Pierre	NDL	-	-
2	Ginger	St Pierre	NDL	-	-
3	Potato	St Pierre	NDL	-	-
4	Tomato	St Pierre	Azoxystrobin Boscalid Difenoconazole	0.017 0.038 0.021	3 3 2
5	Squash	St Pierre	NDL	-	-
6	Cherry Tomato	St Pierre	Azoxystrobin Difenoconazole	0.039 0.036	3 2
7	Carrot	Rose-Hill	NDL	-	-

8	Cabbage	Rose-Hill	NDL	-	-
9	Chayote	Rose-Hill	NDL	-	-
10	Cucumber (White)	Rose-Hill	NDL	-	-
11	Zucchini	Rose-Hill	NDL	-	-
12	Banana	Rose-Hill	NDL	-	-
13	Potato	Rose-Hill	Cyromazine	0.015	0.05
14	Onion	Rose-Hill	NDL	-	-
15	Lettuce (Rocket)	Rose-Hill	Carbendazim Chlorantranilprole Thiophanate-methyl	0.11 0.42 0.36	NR 20.0 NR
16	Butternut	Flacq	NDL	-	-
17	Tomato (Hydro)	Flacq	Acetamiprid Carbendazim Propamocarb Thiophanate-methyl	0.044 0.017 0.49 0.15	0.5 0.5 2 1.0
18	Chinese White Cabbage (Tom Pouce)	Flacq	NDL	-	-
19	Eggplant (Hydro)	Flacq	Acetamiprid	0.013	0.2
20	Mango	Flacq	NDL	-	-
21	Dragon Fruit	Flacq	NDL	-	-
22	Cabbage	Flacq	NDL	-	-
23	Eddo (Violette)	Flacq	Mepronil	0.016	NR
24	Chinese Cabbage	Flacq	NDL	-	-
25	Squash	Ebène	NDL	-	-
26	Cabbage	Ebène	NDL	-	-
27	Lettuce	Ebène	Tebuconazole	0.050	NR

28	Eggplant	Ebène	Lambda-cyhalothrin	0.026	0.3
29	Eggplant	Ebène	NDL	-	-
30	Squash	Ebène	NDL	-	-
31	Lemon (Local)	Ebène	Acetamiprid Cypermethrin	0.016 0.23	NR 2
32	Dragon Fruit	Ebène	Cypermethrin	0.069	NS
33	Zucchini	Ebène	NDL	-	-
34	Chinese White Cabbage (Tom Pouce)	Ebène	Cypermethrin Deltamethrin Dimethomorph Lambda-cyhalothrin	4.5 0.10 0.058 0.063	NR 2.0 NR NR
35	Chinese White Cabbage (Tom Pouce)	Ebène	Cypermethrin	0.94	NR
36	Banana	Ebène	Cypermethrin Cyfluthrin Deltamethrin Lambda-cyhalothrin	0.54 0.21 0.18 0.14 (Excess)	NR NR NR 0.1
37	Lettuce (Batavia Variées)	St Paul	Cyromazine	0.013	3.0
38	Butternut (Diced)	St Paul	NDL	-	-
39	Tomato	St Paul	Tebuconazole	0.022	0.9
40	Tomato (Exotic)	St Paul	Chlorantranilprole	0.022	5
41	Lettuce (Butterhead)	St Paul	Spinetoram	0.12	10
42	Turnip	St Paul	NDL	-	-
43	Chinese White Cabbage (Brède Baton Vert)	St Paul	NDL	-	-
44	Leek	St Paul	NDL	-	-
45	Watercress	St Paul	NDL	-	-
46	Potato	St Paul	Cyromazine	0.047	0.05

47	Garlic	Trianon	NDL	-	-
48	Tomato	Trianon	Azoxystrobin Difenoconazole Propamocarb Tebuconazole	0.034 0.035 0.021 0.030	3 2 2 0.4
49	Tomato	Trianon	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Grapes	Acetamiprid Benfuracarb Cyprodinil Fludioxonil Mandipropamid	0.099 0.14 (Excess) 0.25 0.10 0.14	0.5 0.002 3 2 2
2	Grapefruit	Imazalil Thiabendazole Pyrimethanil	11 (Excess) 0.034 2.8	5 7 8
3	Orange	Azoxystrobin Difenoconazole Imazalil Thiabendazole Pyrimethanil	0.065 0.069 1.8 1.5 1.8	15 0.6 8 7 8
4	Mandarin	Imazalil Methoxyfenozide Pyrimethanil	1.0 0.071 0.16	5 2 8
5	Pomelo (Honey)	Acetamiprid	0.023	1
6	Pomelo	Acetamiprid	0.040	1
7	Cabbage (Red)	NDL	-	-
8	Butternut	Cypermethrin Cyfluthrin Lambda-cyhalothrin	0.15 0.038 (Excess) 0.033	0.2 0.02 0.06

		Thiophanate-methyl	0.012	0.5
9	Bean (Extra Fine)	Carbendazim	0.011	0.5
10	Pomelo (Honey)	Flusilazole	0.015 (Excess)	0.01
11	Butternut	Boscalid Carbendazim Thiophanate-methyl	0.014 0.031 0.10	3 0.1 0.5
12	Mandarin	Imazalil Pyrimethanil Thiabendazole	1.7 1.1 1.2	5 8 7
13	Orange	Imazalil Pyrimethanil Thiabendazole	1.3 1.0 0.96	8 8 7
14	Lemon	Imazalil Imidacloprid	2.5 0.033	15 1

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