

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 September 2023

Number of samples collected: **121**

Number of samples from farm gate level: **57**

Number of samples from supermarkets: **34**

Number of samples from National Wholesale Market: **13**

Number of imported samples: **17**

Number of samples with pesticide residues exceeding MRL: 5

Number of samples with pesticide residues not recommended on that crop: 32

Number of Improvement Notices issued: 29

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	Onion	La Caverne	Carbendazim Thiophanate-methyl	0.042 0.11 (Excess)	0.1 0.1
2	Onion	La Caverne	Thiophanate-methyl	0.016	0.1
3	Lettuce	La Caverne	Carbendazim Cyromazine	0.012 0.036	5 3
4	Chinese White Cabbage (Tompouce)	La Caverne	Tebuconazole	0.012	NR
5	Lettuce	La Caverne	Cyromazine	0.011	3

			Thiophanate-methyl	0.011	0.1
6	Chinese White Cabbage (Tompouce)	La Caverne	Carbendazim	0.26	NR
			Cyromazine	0.035	0.05
			Thiophanate-methyl	0.25	NR
7	Lettuce	La Caverne	Boscalid	0.091	NR
			Carbendazim	0.027	5
			Thiophanate-methyl	0.030	0.1
			Propamocarb	0.019	NR
8	Eggplant	Solferino No.5	NDL	-	-
9	Spring Onion	Solferino No.5	NDL	-	-
10	Chinese White Cabbage (Tompouce)	Solferino No.5	Pyraclostrobin	0.056	NR
11	Basil	Solferino No.5	Metalaxyl	0.064	NR
12	Potato	Solferino No.5	Cyromazine	0.032	0.05
13	Carrot	Plaine Sophie 1	Linuron	0.12	NR
14	Beetroot	Plaine Sophie 2	NDL	-	-
15	Chayote	Plaine Sophie 2	NDL	-	-
16	Cabbage	Plaine Sophie 2	NDL	-	-
17	English Cucumber	Plaine Sophie 2	Methomyl	0.20	NR
18	Chayote	Plaine Sophie 2	NDL	-	-
19	Chayote	Plaine Sophie 2	NDL	-	-
20	Chayote	Plaine Sophie 2	NDL	-	-
21	Mint	Dubreuil	NDL	-	-
22	Carrot	Dubreuil	NDL	-	-
23	Cabbage	Dubreuil	NDL	-	-
24	Parsley	Dubreuil	NDL	-	-
25	Celery	Dubreuil	NDL	-	-
26	Leek	Dubreuil	NDL	-	-

27	Coriander	Dubreuil	NDL	-	-
28	Thyme	Dubreuil	NDL	-	-
29	Chayote Greens (Brède Chouchou)	Dubreuil	NDL	-	-
30	Basil	Dubreuil	NDL	-	-
31	Lettuce (Multi-feuilles)	St-Pierre	NDL	-	-
32	Lettuce (Batavia)	St-Pierre	NDL	-	-
33	Amaranth (Brède Malbar)	Rivière Baptiste	NDL	-	-
34	Chinese White Cabbage (Tompouce)	Rivière Baptiste	NDL	-	-
35	Thyme	Rivière Baptiste	Metalaxyl	0.079	NR
36	Coriander	Rivière Baptiste	Linuron	0.510	NR
37	Lettuce	Rivière Baptiste	Azoxystrobin	0.012	NR
38	Lettuce	Rivière Baptiste	NDL	-	-
39	Parsley	Rivière Baptiste	Linuron	0.018	NR
40	Coriander	Rivière Baptiste	Linuron	0.150	NR
41	Thyme	Rivière Baptiste	NDL	-	-
42	Parsley	Rivière Baptiste	NDL	-	-
43	Chayote Greens (Brède Chouchou)	Rivière Baptiste	NDL	-	-
44	Chinese Cabbage (Brède de Chine)	Rivière Baptiste	Tebuconazole	0.800	NR
45	Chinese White Cabbage (Tompouce)	Rivière Baptiste	NDL	-	-

46	Chinese White Cabbage (Brède Baton Vert)	Rivière Baptiste	NDL	-	-
47	Chinese White Cabbage (Brède Baton Blanc)	Rivière Baptiste	NDL	-	-
48	Lettuce (Batavia)	Petit Verger	NDL	-	-
49	Lettuce (Multi-feuilles)	Petit Verger	NDL	-	-
50	Lettuce (Iceberg)	Petit Verger	NDL	-	-
51	Carrot	Glen Park	NDL	-	-
52	Chayote	Glen Park	NDL	-	-
53	Chilli	La Marie	Azoxystrobin Difenoconazole	0.014 0.011	3 0.9
54	Bottle Gourd	La Marie	NDL	-	-
55	Tomato	La Marie	Imidacloprid Tebuconazole	0.09 0.012	NR 0.7
56	Cabbage	La Marie	Methoxyfenozide	0.050	3
57	Chayote	Bigara	NDL	-	-

2. Results of analysis of samples collected at super markets/auction markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Tomato	Rose-Belle	Imidacloprid Tebuconazole	0.080 0.035	NR 0.7
2	Lettuce	Rose-Belle	Boscalid	0.067	NR

			Propamocarb	0.016	NR
			Pyraclostrobin	0.011	NR
3	English Cucumber	Rose-Belle	Flutriafol	0.014	NR
4	Chinese White Cabbage (Tompouce)	Rose-Belle	NDL	-	-
5	Bottle Gourd	Rose-Belle	NDL	-	-
6	Banana	Rose-Belle	NDL	-	-
7	Tomato	Tribecca	NDL	-	-
8	Sweet Pepper (Yellow)	Tribecca	Boscalid	0.097	NR
			Metalaxyl	0.020	0.5
			Pyraclostrobin	0.052	NR
			Thiophanate-methyl	0.066	0.1
9	Tomato	Tribecca	Azoxystrobin	0.028	3
			Difenoconazole	0.023	2
			Linuron	0.067	NR
10	Potato	Tribecca	NDL	-	-
11	Ginger	Tribecca	NDL	-	-
12	Garlic	Tribecca	NDL	-	-
13	Coriander	Tribecca	Acetamiprid	0.011	NR
			Boscalid	0.210	NR
			Carbendazim	0.040	NR
			Pyraclostrobin	0.390	NR
			Tebuconazole	0.036	NR
			Thiophanate-methyl	0.540	NR
14	Parsley	Tribecca	NDL	-	-
15	Chinese White Cabbage	Tribecca	NDL	-	-
16	Eggplant	Tribecca	Azoxystrobin	1.200	3
			Difenoconazole	1.200	NR

			Fludioxonil	2.300	NR
			Pyrimethanil	1.600	NR
			Thiabendazole	0.420	NR
17	Coriander	Bagatelle	Azoxystrobin	0.410	NR
			Difenoconazole	0.370	NR
			Linuron	0.840	NR
18	Banana (Ripe)	Bagatelle	NDL	-	-
19	Chinese White Cabbage	Bagatelle	Azoxystrobin	0.046	NR
			Difenoconazole	0.042	NR
			Piperonyl butoxide	0.013	NR
20	Ridge Gourd	Bagatelle	NDL	-	-
21	Sweet Pepper (Mix)	Bagatelle	Acetamiprid	0.49 (Excess)	0.3
			Tebuconazole	0.048	0.6
22	Cherry Tomato	Bagatelle	Carbendazim	0.024	0.5
			Chlorantraniliprole	0.014	5
			Propamocarb	0.390	2
			Thiophanate-methyl	0.210	0.5
23	Lettuce	Bagatelle	Piperonyl butoxide	0.022	NR
24	Tomato	Bagatelle	Boscalid	0.057	3
			Clothianidin	0.026	NR
			Pyraclostrobin	0.068	0.3
			Thiamethoxam	0.042	NR
25	English Cucumber (Mini)	Bagatelle	Acetamiprid	0.012	0.3
26	Sweet Pepper	Bagatelle	Acetamiprid	0.013	0.3
27	Butternut	National Wholesale Market	NDL	-	-

28	Thyme	National Wholesale Market	Carbendazim Tebuconazole Thiamethoxam	0.010 0.022 0.030	NR NR NR
29	Cabbage	National Wholesale Market	Thiamethoxam	0.020	NR
30	Beetroot	National Wholesale Market	NDL	-	-
31	White Cucumber	National Wholesale Market	NDL	-	-
32	Potato	National Wholesale Market	NDL	-	-
33	Cucumber	National Wholesale Market	Metalaxyl	0.051 (Excess)	0.01
34	Tomato	National Wholesale Market	Carbendazim Thiophanate-methyl	0.033 0.380	0.5 0.5
35	Chinese Cabbage (Petsai)	National Wholesale Market	Carbendazim Thiophanate-methyl	0.011 0.022	NR NR
36	Cabbage	National Wholesale Market	NDL	-	-
37	Cabbage	National Wholesale Market	Acetamiprid	0.023	NR
38	Cauliflower	National Wholesale Market	NDL	-	-
39	Banana (Green)	National Wholesale Market	NDL	-	-
40	Tomato	Trianon	NDL	-	-
41	Sweet Pepper (Mix)	Trianon	Acetamiprid Flutriafol Metalaxyl	0.060 0.011 0.013	0.3 NR 0.5

			Propamocarb	0.027	3
			Pyraclostrobin	0.014	NR
			Thiophanate-methyl	0.060	0.1
42	White Cucumber	Trianon	Azoxystrobin	0.014	1
			Difenoconazole	0.014	NR
43	Tomato	Trianon	Acetamiprid	0.054	0.5
			Boscalid	0.086	3
			Chlorantraniliprole	0.015	5
			Clothianidin	0.030	NR
			Pyraclostrobin	0.140	0.3
			Tebuconazole	0.018	0.7
			Thiamethoxam	0.063	NR
44	Pumpkin	Trianon	NDL	-	-
45	Maize	Trianon	NDL	-	-
46	Zucchini	Trianon	NDL	-	-
47	English Cucumber	Trianon	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Grapefruit	Azoxystrobin	1.6	15
		Difenoconazole	1.5 (Excess)	0.6
		Fludioxonil	2.4	10
		Pyrimethanil	2.6	8
		Thiabendazole	0.26	7
2	Mango	NDL	-	-
3	Kiwi (Sungold)	NDL	-	-
4	Mango	NDL	-	-
5	Apple (Red)	Fludioxonil	0.28	5
6	Grapefruit	Boscalid	0.053	2
		Pyraclostrobin	0.035	2

		Thiamethoxam	0.083	0.5
7	Mandarin	Imazalil Methoxyfenozide Pyraclostrobin Thiabendazole	2.900 0.250 0.044 5.900	15 2 2 7
8	Lemon	Azoxystrobin Difenoconazole Imazalil Pyrimethanil Thiabendazole	0.028 0.024 2.000 1.300 0.360	15 0.6 15 8 7
9	Pomegranate	Imazalil Thiabendazole	0.016 (Excess) 0.022 (Excess)	0.01 0.01
10	Pear	Fludioxonil	1.00	5
11	Lettuce (Iceberg)	NDL	-	-
12	Bean (Extra Fine)	NDL	-	-
13	Orange	Imazalil Methoxyfenozide Pyraclostrobin Pyrimethanil Thiabendazole	0.660 0.029 0.013 0.020 0.490	15 2 2 8 7
14	Plum	Fludioxonil	1.300	5
15	Mandarin	Fludioxonil Imazalil Pyrimethanil Thiabendazole	2.300 2.300 0.020 1.470	10 15 8 7
16	Kiwi	NDL	-	-
17	Pear	Acetamiprid Pyrimethanil	0.065 0.940	0.8 15

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