

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 May 2024

Number of samples collected: **71**

Number of samples from farm gate level: **14**

Number of samples from supermarkets: **43**

Number of imported samples: **14**

Number of samples with pesticide residues exceeding MRL: 4

Number of samples with pesticide residues not recommended: 7

Improvement Notice issued: 9

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	Cabbage	St-Pierre	NDL	-	-
2	Tomato	Goodlands	Carbendazim Thiophanate-methyl	0.031 0.210	0.5 0.5
3	Cabbage	Réduit	NDL	-	-
4	Chayote	Dubreuil	NDL	-	-
5	Ridge-gourd	Dubreuil	NDL	-	-
6	Cucumber	Dubreuil	NDL	-	-
7	Bottle-gourd	Dubreuil	NDL	-	-
8	Butternut	Dubreuil	NDL	-	-
9	English Cucumber	Deux Bras	Acetamiprid	0.041	0.3

10	Tomato	Deux Bras	Acetamiprid	0.022	0.5
11	Tomato	Deux Bras	Chlorantraniliprole	0.024	5
12	Tomato	Deux Bras	Chlorantraniliprole	0.014	5
13	Tomato	Deux Bras	Chlorantraniliprole	0.019	5
14	Eggplant (Aubergine)	Deux Bras	NDL	-	-

2. Results of analysis of samples collected at supermarkets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Carrots	Grand Bay	Tebuconazole	0.024	NR
2	English Cucumber	Grand Bay	Carbendazim Thiophanate-methyl	0.073 0.059	0.1 0.5
3	Cucumber	Grand Bay	Metalaxyl	0.042 (Excess)	0.01
4	Snake-gourd	Grand Bay	NDL	-	-
5	Squash	Grand Bay	Pyraclostrobin	0.024	0.5
6	Eggplant (Aubergine)	Grand Bay	Azoxystrobin Difenoconazole	0.062 0.056	3 NR
7	Lettuce	Grand Bay	NDL	-	-
8	Cabbage	Grand Bay	Metalaxyl	0.010	0.06
9	Zucchini	Grand Bay	Propamocarb	0.096	5
10	Banana	Grand Bay	Tebuthiuron	0.200	NR
11	Banana	Curepipe	NDL	-	-

12	Pineapple	Curepipe	NDL	-	-
13	Lettuce	Curepipe	NDL	-	-
14	Tomato (Hydro)	Curepipe	Azoxystrobin Difenoconazole Pyraclostrobin	0.052 0.049 0.018	3 2 0.3
15	Tomato (Cherry)	Curepipe	Acetamiprid Azoxystrobin Boscalid Carbendazim Difenoconazole Pyraclostrobin	0.098 0.065 0.019 0.020 0.061 0.250	0.5 3 3 0.5 2 0.3
16	Cabbage	Curepipe	NDL	-	-
17	Chinese White Cabbage (Brède Tom Pouce)	Curepipe	NDL	-	-
18	Lettuce	Curepipe	NDL	-	-
19	English Cucumber	Curepipe	Acetamiprid Boscalid	0.052 0.025	0.3 3
20	Squash	Curepipe	Propamocarb	0.100	5
21	Carrot	Curepipe	NDL	-	-
22	Watercress	Curepipe	NDL	-	-
23	Turnip	Curepipe	NDL	-	-
24	Lemon (Green)	Curepipe	NDL	-	-
25	Bell Pepper (Green)	Curepipe	Buprofezin Metalaxyl	0.04 0.150	NR 0.5
26	Cucumber	Mahebourg	Metalaxyl	0.016 (Excess)	0.01
27	English Cucumber	Mahebourg	NDL	-	-
28	Watercress	Mahebourg	NDL	-	-

29	Carrot	Mahebourg	NDL	-	-
30	Okra	Mahebourg	Acetamiprid	0.016	0.2
31	Bottle-gourd	Mahebourg	NDL	-	-
32	Bitter-gourd	Mahebourg	Boscalid Pyraclostrobin	0.050 0.019	3 0.5
33	Dragon Fruit	Mahebourg	NDL	-	-
34	English Cucumber	Quatre-Bornes	Propamocarb	0.180	5
35	Lettuce	Quatre-Bornes	Carbendazim Chlorantraniliprole Metalaxyl Propamocarb	0.023 0.013 0.024 1.400	5 20 NR NR
36	Cabbage	Quatre-Bornes	NDL	-	-
37	Tomato	Quatre-Bornes	Carbendazim Kresoxim-methyl Thiophanate-methyl	0.028 0.024 0.061	0.5 NR 0.5
38	Chinese White Cabbage (BrèdeTom Pouce)	Quatre-Bornes	NDL	-	-
39	Chinese White Cabbage (BrèdeTom Pouce)	Quatre-Bornes	NDL	-	-
40	Turnip	Quatre-Bornes	NDL	-	-
41	Watercress	Quatre-Bornes	NDL	-	-
42	Okra	Quatre-Bornes	Tebuconazole	0.340	NR
43	Ginger	Quatre-Bornes	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Grapes	Boscalid	0.017	5
2	Grapes	Boscalid	0.012	5
3	Nectarine	Azoxystrobin Boscalid Difenoconazole Pyraclostrobin	0.026 0.150 0.024 0.032	2 5 0.5 0.3
4	Grapes	Boscalid	0.046	5
5	Apple (Golden)	Chlorantraniliprole	0.025	0.5
6	Mandarin	Imazalil Pyrimethanil Thiabendazole	0.350 0.840 0.380	15 8 7
7	Grapefruit	Imazalil Thiabendazole	0.500 0.890	15 7
8	Apple (Red)	NDL	-	-
9	Kumquat	Pyrimethanil Thiabendazole	0.018 (Excess) 2.800	0.01 7
10	Grapes	Boscalid Fenhexamid Thiabendazole	0.028 0.061 0.014 (Excess)	5 15 0.01
11	Apples (Red)	Chlorantraniliprole	0.029	0.4
12	Lemon	Imazalil Pyrimethanil Thiabendazole	2.000 3.900 0.190	15 8 7
13	Orange	Carbendazim Pyriproxifen	0.012 0.028	1 0.5
14	Grapefruit	Thiabendazole	1.100	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