

**Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the
Month of June 2021**

Total number of samples collected: **84**

Number of samples from farm gate level: **43**

Number of samples from auction sale/supermarkets: **17**

Number of imported samples: **24**

Number of samples with pesticide residues exceeding MRL: 5

Number of samples with pesticide residues not recommended: 13

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	Camp de Masque Pavé	Acetamiprid	0.032	0.5
			Iprovalicarb	0.71	0.7
			Metalaxyl	0.042	0.3
			Tebuconazole	0.074	0.9
2	Tomato	Camp de Masque Pavé	Acetamiprid	0.12	0.5
			Iprovalicarb	0.53	0.7
			Metalaxyl	0.27	0.3
			Methoxyfenozide	0.013	2.0
			Tebuconazole	0.29	0.9
3	Cucumber	Camp de Masque Pavé	Acetamiprid	0.010	0.3
			Metalaxyl	0.059	0.5
4	Bean	Camp de Masque Pavé	Acetamiprid	0.032	0.6
			Metalaxyl	0.18	0.02
			Tebuconazole	0.26	2.0
5	Chilli	Vacoas	Boscalid	0.11	NR
			Carbendazim	0.019	NR
			Pyraclostrobin	0.061	NR

6	Chayote	Vacoas	NDL	-	-
7	Cucumber	Vacoas	Metalaxyl	0.041	0.5
8	Carrot	Vacoas	NDL	-	-
9	Beetroot	Poste de Flacq	NDL	-	-
10	Chayote	Vacoas	NDL	-	-
11	Tomato	Grand Bois	NDL	-	-
12	Cucumber	Grand Bois	Metalaxyl	0.055	0.5
13	Bottle gourd	Grand Bois	Metalaxyl	0.018	0.5
14	Banana	Grand Bois	NDL	-	-
15	Chilli	Mare Tabac	Acetamiprid Carbendazim	0.094 0.030	0.3 NR
16	Eggplant	Goodlands	Carbendazim Formetanate Imidacloprid Propamocarb	0.012 0.010 0.059 0.022	NR NR NR NR
17	Tomato	Goodlands	Carbendazim Imidacloprid Propamocarb	0.017 0.072 0.017	NR NR 2
18	Ridge gourd	Poudre D'Or Village	Metalaxyl	0.013	0.5
19	Cucumber	Poudre D'Or Village	NDL	-	-
20	Okra	Vallée des Prêtres	Acetamiprid	0.013	0.2
21	Okra	Vallée des Prêtres	NDL	-	-
22	Okra	Vallée des Prêtres	Tebuconazole	0.015	NR
23	Cucumber	Cluny	NDL	-	-
24	Chinese cabbage	Cluny	Acetamiprid	0.019	0.02

			Difenoconazole	0.078	1.0
			Metalaxyl	0.010	0.5
			Tebuconazole	0.30	0.7
25	Lettuce	Midlands	Azoxystrobin	1.7	NR
			Difenoconazole	1.7	NR
26	Chayote	Mahebourg	NDL	-	-
27	Bean	Nouvelle France	NDL	-	-
28	Tomato	Deux Bras	NDL	-	-
29	Cucumber	Deux Bras	NDL	-	-
30	Cucumber	Deux Bras	NDL	-	-
31	Tomato	Deux Bras	NDL	-	-
32	Tomato	Deux Bras	NDL	-	-
33	Tomato	Deux Bras	NDL	-	-
34	Tomato	Deux Bras	NDL	-	-
35	Bell pepper	Deux Bras	NDL	-	-
36	Eggplant	Deux Bras	NDL	-	-
37	Bean	Deux Bras	Difenoconazole	0.014	0.7
38	Lettuce	Deux Bras	NDL	-	-
39	Lettuce	Mahebourg	NDL	-	-
40	Chinese white cabbage	Mahebourg	NDL	-	-
41	Chilli	Solitude	Imidacloprid	1.2	NR
			Metalaxyl	1.6	1
				(Excess)	
42	Okra	Solitude	Acetamiprid	0.097	0.2
			Carbendazim	0.010	NR

			Imidacloprid	0.34	NR
			Metalaxyl	0.41	NR
43	Pawpaw	Vacoas	NDL	-	-

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

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Chinese cabbage	Grand Bay	Cyromazine	1.2 (Excess)	0.05
			Linuron	0.011	NR
			Matalaxyl	3.6 (Excess)	0.5
			Tebuconazole	4.2 (Excess)	0.7
2	Chinese cabbage	Grand Bay	Cyromazine	0.043	0.05
			Metalaxyl	0.87 (Excess)	0.5
			Tebuconazole	2.4 (Excess)	0.7
3	Celery	Grand Bay	Cyromazine	0.036	NR
			Methomyl	0.015	NR
			Pymetrozine	0.022	NR
			Tebuconazole	0.043	NR
4	Pepper	Grand Bay	Difenoconazole	0.035	0.6
			Propamocarb	0.39	3
5	Bean	Grand Bay	NDL	-	-
6	Bean	Grand Bay	NDL	-	-
7	Tomato	Gros Cailloux	NDL	-	-
8	Okra	Gros Cailloux	NDL	-	-
9	Ginger	Gros Cailloux	NDL	-	-

10	Banana	Gros Cailloux	NDL	-	-
11	Chilli	Gros Cailloux	Imidacloprid	0.66	NR
12	Lettuce	Gros Cailloux	Metalaxyl	0.22	NR
13	Cabbage	Gros Cailloux	NDL	-	-
14	Pineapple	Gros Cailloux	NDL	-	-
15	Lettuce	Gros Cailloux	NDL	-	-
16	Eggplant	Flic en Flac	Carbendazim	0.030	NR
17	Carrot	Flic en Flac	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Orange	Imazalil Thiabendazole	0.61 0.19	5 7
2	Mandarin	Imazalil Pyrimethanil Thiabendazole Trifloxystrobin	2.0 1.1 1.7 0.010	5 8 7 0.5
3	Grapes	Boscalid Fenhexamid	0.092 0.019	5 15
4	Red Apple	NDL	-	-
5	Mandarin	Imazalil Pyrimethanil	0.62 1.6	5 8
6	Plum	Pyrimethanil	0.26	2
7	Grapes	Boscalid	0.016	5
8	Cauliflower	NDL	-	-

9	Mandarin	Azoxystrobin Difenoconazole Imazalil Imidacloprid Thiabendazole	0.020 0.016 0.9 0.030 1.3	15 0.6 5.0 1.0 7.0
10	Lemon	Azoxystrobin Difenoconazole Imazalil Thiabendazole	0.033 0.040 1.5 0.56	15 0.6 15 7.0
11	Mandarin	Azoxystrobin Difenoconazole Imazalil Methoxyfenozide Pyrimethanil Thiabendazole	0.035 0.037 1.2 0.066 3.3 2.6	15 0.6 5 2 8 7
12	Apple	NDL	-	-
13	Grapes	Acetamiprid Fenhexamid	0.053 0.41	0.5 15
14	Pomegranate	Imidacloprid	0.099	1
15	Lemon	Azoxystrobin Difenoconazole Imazalil Pyrimethanil Thiabendazole	0.081 0.081 0.40 3.6 0.32	15 0.6 5 8 7
16	Pear	Acetamiprid	0.14	0.4
17	Grapefruit	Imazalil Pyraclostrobin Thiabendazole	0.49 0.011 0.051	4 2 7
18	Grapes	Boscalid	0.85	5
19	Apple	Acetamiprid	0.010	0.4
20	Orange	Imazalil Methoxyfenozide	0.28 0.019	8.0 2.0

		Pyrimethanil	0.36	8.0
		Thiabendazole	0.36	7.0
21	Apple	NDL	-	-
22	Orange	Imazalil	0.35	4
		Pyrimethanil	0.060	8
		Thiabendazole	1.2	7
23	Lemon	Azoxystrobin	0.066	15
		Difenoconazole	0.062	0.6
		Imazalil	0.59	5
		Thiabendazole	5.4	7
		Pyrimethanil	3.0	8
24	Grapes	Acetamiprid	0.026	0.5
		Fenhexamid	0.13	15

NB: Source MRL: The Use of Pesticides Act 2018 and Codex Alimentarius

MRL – Maximum Residue Level

NDL – No Detectable Level

NR – Not Recommended