

**Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the  
Month of March 2019**

Total number of samples analysed: 70

Number of samples from farm gate level: 27

Number of samples from supermarkets: 16

Number of imported samples: 27

Number of samples with pesticide residues exceeding MRL: 2

Number of samples with pesticide residues not recommended: 10

**1. Results of analysis for samples collected at farm gate level**

<b>SN.</b>	<b>Fruits and Vegetables</b>	<b>Locality</b>	<b>Pesticides detected</b>	<b>Amount (mg/kg)</b>	<b>MRL (mg/kg)</b>
1.	Bottle gourd	St Julien	NDL	-	-
2.	Eggplant	Bon Accueil	Fenthion	0.16	NS
3.	Eggplant	Mapou	Fenthion	0.18	NS
4.	Tomato	Fond du Sac	NDL	-	-
5.	Tomato	Plaine Sophie	Difenoconazole	0.022	2
6.	Bottle gourd	Notre Dame	NDL	-	-
7.	Ridge gourd	Notre Dame	NDL	-	-
8.	Lady finger	Solitude	NDL	-	-
9.	Snake gourd	Solitude	NDL	-	-
10.	Bottle gourd	Pont Bon Dieu	NDL	-	-
11.	Papaya	Bon Accueil	NDL	-	-
12.	Lady finger	Bambous Virieux	NDL	-	-
13.	Chilly (small)	Mare Chicose	NDL	-	-
14.	Brinjal (Anguive)	Bananes	NDL	-	-

15.	Chinese cabbage	Bassin, Cressonville	NDL	-	-
16.	Turnip	Bassin, Cressonville	NDL	-	-
17.	Tomato	Fond du Sac	NDL	-	-
18.	Cowpea	Plaine des Papayes	NDL	-	-
19.	Lady finger	Surinam	NDL	-	-
20.	Bottle gourd	Martinière	NDL	-	-
21.	Eggplant	St. Paul	NDL	-	-
22.	Chilly	Clozel	Metalaxyl Pyraclostrobin	0.14 0.070	NS NS
23.	Chayotte	Robinson, Curepipe	NDL	-	-
24.	Lady finger	Riambel	NDL	-	-
25.	Bitter gourd	Notre Dame	Azoxystrobin Difenoconazole	0.10 0.096	1 NS
26.	Cowpea	Notre Dame	Azoxystrobin Difenoconazole	0.11 0.13	NS NS
27.	Cowpea	Pont Blanc	NDL	-	-

## **2. Results of analysis of samples from Supermarkets**

<b>SN.</b>	<b>Fruits and Vegetables</b>	<b>Pesticides detected</b>	<b>Amount (mg/kg)</b>	<b>MRL (mg/kg)</b>
1.	Tomato	Imidacloprid	0.036	NS
2.	Ladyfinger	NDL	-	-
3.	Bean	NDL	-	-
4.	Cowpea	Cyromazine Tebuconazole	0.045 0.68	0.05 NS

5.	Lettuce	NDL	-	-
6.	Tomato	NDL	-	-
7.	Pumpkin	Pyraclostrobin	0.011	0.5
8.	Bottle gourd	NDL	-	-
9.	Snake gourd	NDL	-	-
10.	Watercress	Pyraclostrobin	0.13	NS
11.	Lettuce	Carbendazim Piperonyl butoxide	0.023 0.025	NS NS
12.	Snake gourd	NDL	-	-
13.	Chayotte	NDL	-	-
14.	Cabbage	NDL	-	-
15.	Celery	NDL	-	-
16.	Carrot	Azoxystrobin	< 0.01	NS

### **3. Results of analysis from imported samples**

<b>SN.</b>	<b>Fruits and Vegetables</b>	<b>Pesticides detected</b>	<b>Amount (mg/kg)</b>	<b>MRL (mg/kg)</b>
1.	Sweet Pepper	Carbendazim	0.079	0.1
		Difenoconazole	0.12	0.6
		Imidacloprid	0.11	1
		Metalaxyl	0.098	1
		Acetamiprid	0.103	3
2.	Lemon	Pyraclostrobin	0.057	1
3.	Peach	NDL	-	-
4.	Gem Squash	NDL	-	-

5.	Asparagus	NDL	-	-
6.	Grapes	Boscalid	0.088	5
7.	Cabbage	NDL	-	-
8.	Red Cabbage	NDL	-	-
9.	Carrot	Boscalid	0.015	2
10.	Broccoli	NDL	-	-
11.	Cauliflower	NDL	-	-
12.	Celery	NDL	-	-
13.	Lemon	NDL	-	-
14.	Asparagus	NDL	-	-
15.	Cabbage	NDL	-	-
<b>16.</b>	<b>Melon</b>	<b>Methomyl</b>	<b>0.021</b>	<b>0.015</b>
17.	Beans	NDL	-	-
18.	Celery	NDL	-	-
<b>19.</b>	<b>Lettuce</b>	Dimethoate <b>Oxamyl</b>	0.020 <b>0.016</b>	0.3 <b>0.01</b>
20.	Cauliflower	NDL	-	-
21.	Broccoli	NDL	-	-
22.	Broccoli	NDL	-	-
23.	Lime	NDL	-	-
24.	Cauliflower	NDL	-	-
25.	Mandarin	NDL	-	-
26.	Melon	Metalaxyl	0.011	0.2

		Thiamethoxam	0.018	0.15
27.	Gem Squash	NDL	-	-

N. B: Source MRL: The Use of Pesticides Act 2018, Codex Alimentarius, European Union Pesticides Database

MRL – Maximum Residue Level

NDL – No Detectable Level

NS – Not Specified