

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

Number of samples from Pesticides Regulatory Office: 62

Number of samples from farm gate level: 34

Number of samples from auction sale: 22

Number of imported samples: 6

Number of samples with pesticide residues exceeding MRL: 3

Number of samples with pesticide residues not recommended: 8

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.	Chinese cabbage	8 ^{ème} mille Triolet	Cyromazine	0.062	0.05
2.	Lettuce	8 ^{ème} mille Triolet	Cyromazine Hexaconazole	0.29 0.022	3.0 NS
3.	Pumpkin	Nouvelle Decouverte	Propamocarb	0.099	5
4.	Leafy brassica- Brède Tompouce	Ripailles	NDL	-	-
5.	Lettuce	La Laura	Cyromazine	0.89	3.0
6.	Broccoli	L'agrement, St Pierre	NDL	-	-
7.	Cauliflower	Petit Verger, St Pierre	NDL	-	-
8.	Turnip	Nouvelle Decouverte	NDL	-	-
9.	Tomato	Malenga, St Pierre	Cyromazine	0.15	0.6
10.	Cabbage	Malenga, St Pierre	NDL	-	-
11.	Carrot	Malenga, St Pierre	NDL	-	-
12.	Chinese cabbage	Carreau Laliane, Vacoas	NDL	-	-
13.	Chayotte leaves	Carreau Laliane, Vacoas	NDL	-	-

14.	Chayotte	Carreau Laliane, Vacoas	NDL	-	-
15.	Leafy brassica- Brède Tompouce	Carreau Laliane, Vacoas	NDL	-	-
16.	Lettuce	Carreau Laliane, Vacoas	NDL	-	-
17.	Leafy vegetable (Brède basmati)	Carreau Laliane, Vacoas	NDL	-	-
18.	Beetroot	Carreau Laliane, Vacoas	NDL	-	-
19.	Ridge-gourd	Cottage	NDL	-	-
20.	Okra- Lady finger	Cottage	NDL	-	-
21.	Bottle-gourd	Rose Belle	NDL	-	-
22.	Ridge-gourd	Mare d'Albert	NDL	-	-
23.	Banana (Ripe)	Bois Blanc	NDL	-	-
24.	Beetroot	Bonnefin	Metalaxyl	0.11	NS
25.	Tomato	Poudre D'or	Cyromazine	0.029	0.6
26.	Squash	Poudre D'or	Cyromazine	0.058	2
27.	Cauliflower	Carreau Laliane, Vacoas	NDL	-	-
28.	Broccoli	Carreau Laliane, Vacoas	NDL	-	-
29.	Lettuce	Clozel, Phoenix	NDL	-	-
30.	Mint	Clozel, Phoenix	NDL	-	-
31.	Chinese cabbage	Mare Longue	NDL	-	-
32.	Cabbage	La Marie	NDL	-	-
33.	Tomato	Calebasses	NDL	-	-

34.	Leafy brassica Brède Tompouce	Calebasses	NDL	-	-
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2. Results of analysis of samples collected at auction markets

SN.	Fruits and Vegetables	Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1.	Chilly- Hot pepper	Flacq	Carbendazim Metalaxyl Boscalid Imidacloprid	0.027 0.14 0.014 0.34	NS NS NS NS
2.	Pumpkin	Flacq	Propamocarb	0.12	5
3.	Butternut	Flacq	Propamocarb Thiophanate-methyl Carbendazim	0.060 0.013 0.010	5 0.5 NS
4.	Gherkin	Flacq	NDL	-	-
5.	Tomato	Flacq	NDL	-	-
6.	Eggplant	Flacq	NDL	-	-
7.	Cowpea	Flacq	Metalaxyl Tebuconazole	0.018 0.11	NS NS
8.	Onion Spring	Flacq	Cyromazine Tebuconazole	0.19 0.37	0.05 NS
9.	Cauliflower	Flacq	Metalaxyl	0.66	0.5
10.	Okra	Flacq	NDL	-	-
11.	Bottle-gourd	Flacq	Metalaxyl	0.023	0.5
12.	Tomato	Flacq	NDL	-	-
13.	Squash	Vacoas	NDL	-	-
14.	Gherkin	Vacoas	NDL	-	-
15.	Eggplant	Vacoas	Carbendazim Thiophanate-methyl	0.013 0.14	NS 2.0
16.	Tomato	Vacoas	NDL	-	-
17.	Cabbage	Vacoas	NDL	-	-

18.	Cabbage	Vacoas	NDL	-	-
19.	Bottle-gourd	Vacoas	NDL	-	-
20.	Turnip	Vacoas	NDL	-	-
21.	Red cabbage	Vacoas	NDL	-	-
22.	Chinese cabbage	Vacoas	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1.	Lettuce	Imidacloprid Metalaxyl Methomyl	0.11 0.11 0.11	2 2 0.2
2.	Sweet pepper	Acephate Acetamiprid Carbendazim Methamidophos Oxamyl Thiamethoxam	0.69 0.013 0.011 0.23 0.021 0.014	NS 0.3 NS NS 2 NS
3.	Broccoli	NDL	-	-
4.	Sweet pepper	Acetamiprid Azoxystrobin Pyraclostrobin Imidacloprid	0.026 0.036 0.013 0.030	0.3 10.0 0.5 1
5.	Sweet pepper	Acetamiprid	0.055	0.3
6.	Sweet pepper	Acetamiprid Clothianidin	0.018 0.013	0.3 0.04

N. B: Source MRL: The Use of Pesticides Act 2018 and Codex Alimentarius

MRL – Maximum Residue Level

NDL – No Detectable Level

NS – Not Specified