

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 August 2022

Total number of samples collected: **69**

Number of samples from farm gate level: **46**

Number of samples from supermarkets: **15**

Number of imported samples: **8**

Number of samples with pesticide residues exceeding MRL: 1

Number of samples with pesticide residues not recommended on that crop: 20

Number of Improvement Notices issued: 16

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	Lettuce	Moka	NDL	-	-
2	Chayote	Robinson, Curepipe	NDL	-	-
3	Beetroot	Robinson, Curepipe	NDL	-	-
4	Squash	Robinson, Curepipe	Acetamiprid Cypermethrin	0.015 0.035	0.3 0.07
5	Carrot	Robinson, Curepipe	Cypermethrin	0.028	0.05
6	Cabbage	Robinson, Curepipe	Cypermethrin	0.038	NR
7	Tomato	La Marie	Cypermethrin Lambda-cyhalothrin	0.029 0.028	0.2 0.3
8	Cucumber	La Marie	Cypermethrin Propamocarb	0.027 0.035	0.07 5.0
9	Cabbage	La Marie	Cypermethrin	0.028	NR
10	Tomato	La Marie	Cypermethrin	0.034	0.2
11	Chayote	Dubreuil	NDL	-	-

12	Tomato	Dubreuil	Lambda cyhalothrin	0.027	0.3
13	Tomato	Deux Bras	Metalaxyl	0.015	0.3
14	Tomato (Salad)	Deux Bras	NDL	-	-
15	Bell Pepper	Deux Bras	Acetamiprid Cypermethrin	0.038 0.083	0.3 NR
16	Bell Pepper	Deux Bras	Acetamiprid Clothianidin Cypermethrin	0.096 0.055 0.12	0.3 NR NR
17	Bean	Deux Bras	NDL	-	-
18	Tomato	Deux Bras	Clothianidin	0.029	NR
19	Tomato	Deux Bras	Clothianidin Cypermethrin	0.013 0.075	NR 0.2
20	Tomato	Deux Bras	Lambda cyhalothrin	0.023	0.3
21	Carrot	Clozel	NDL	-	-
22	Spring Onion	Clozel	Chlorantranliprole Imidacloprid Tebuconazole	0.32 0.011 0.82	10 NR NR
23	Chayote	Clozel	NDL	-	-
24	Cabbage	La Laura	NDL	-	-
25	Spring Onion	La Laura	Imidacloprid	0.057	NR
26	Chinese White Cabbage (Tom Pouce)	Rivière des Créoles	NDL	-	-
27	Chinese Cabbage (Petsai)	Rivière des Créoles	Lambda- cyhalothrin	0.52 (Excess)	0.5
28	Cabbage	Rivière des Créoles	NDL	-	-
29	Lettuce	Rivière des Créoles	NDL	-	-
30	Eggplant	Plaisance	NDL	-	-

31	Bottle-gourd	Plaisance	Cypermethrin	0.053	0.07
32	Eggplant	Plaisance	NDL	-	-
33	Parsley	Phoenix	Azoxystrobin Cypermethrin Difenoconazole Hexaconazole Linuron	0.030 0.35 0.029 1.7 0.59	NR NR NR NR NR
34	Lettuce	Phoenix	Boscalid Cypermethrin Cyromazine Propamocarb Pyraclostrobin	0.71 0.039 0.062 0.28 0.22	NR NR 3.0 NR 2.0
35	Chinese White Cabbage (Tom Pouce)	Phoenix	Boscalid Pyraclostrobin	0.071 0.020	NR NR
36	Celery	Phoenix	Cypermethrin	0.18	NR
37	Lettuce	Carreau Laliane, Vacoas	Cypermethrin Lambda-cyhalothrin	0.11 0.035	NR 1
38	Cauliflower	Carreau Laliane, Vacoas	NDL	-	-
39	Potato	Robinson, Curepipe	NDL	-	-
40	Lettuce	Solferino No.5	NDL	-	-
41	Pineapple	Proxifresh Co Ltd	NDL	-	-
42	Banana	Proxifresh Co Ltd	Azoxystrobin Difenoconazole Cypermethrin	0.11 0.11 0.064	NR NR NR
43	Lettuce	Proxifresh Co Ltd	NDL	-	-
44	Watercress	Proxifresh Co Ltd	Chlorantraniliprole Fenpyroximate Imazalil Cypermethrin	0.12 1.8 0.30 0.65	NR NR NR NR
45	Tomato	Proxifresh Co Ltd	NDL	-	-
46	Mint	Proxifresh Co Ltd	Acetamiprid	0.043	NS

2. Results of analysis of samples collected at super markets

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Lettuce	Floréal	Carbendazim Chlorantranaliprole Thiophanate-methyl	0.016 0.016 0.028	NR 20 NR
2	Tomato	Floréal	NDL	-	-
3	Lettuce	Floréal	NDL	-	-
4	Potato	Floréal	Piperonyl butoxide	0.19	NR
5	Cucumber (Local white)	Floréal	Piperonyl butoxide	0.73	NR
6	Lettuce	Phoenix	NDL	-	-
7	Potato	Phoenix	Piperonyl butoxide	0.043	NR
8	Carrot	Phoenix	NDL	-	-
9	Tomato	Phoenix	NDL	-	-
10	Potato	Chemin Grenier	NDL	-	-
11	Beetroot	Chemin Grenier	NDL	-	-
12	Squash	Chemin Grenier	Acetamiprid Metalaxyl	0.013 0.097	0.3 0.2
13	Cauliflower	Chemin Grenier	NDL	-	-
14	Carrot	Chemin Grenier	NDL	-	-
15	Watercress	Chemin Grenier	Acetamiprid	0.059	NR

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Lemon	Imazalil Pyrimethanil Thiabendazole	2 4.5 0.30	15 8 7

2	Mandarin	Imazalil Piperonyl butoxide Thiabendazole	0.55 0.37 0.36	5 5 7
3	Grapefruit	Imazalil Thiabendazole Trifloxystrobin	0.74 1.1 0.014	5 7 0.5
4	Mandarin	Imazalil Thiabendazole	0.63 0.63	5 7
5	Orange	Imazalil Methoxyfenozide Thiabendazole	3.4 0.021 0.50	8 2 7
6	Grapefruit	Imazalil Pyraclostrobin Methoxyfenozide Thiabendazole	1.3 0.029 0.045 0.41	5 2 2 7
7	Strawberry	Azoxystrobin Imazalil Difenoconazole	0.014 0.011 0.012	10 2 2
8	Pear	NDL	-	-

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

NS – Not Specified in the Use of Pesticides Act