

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of May 2022

Total number of samples collected: **67**

Number of samples from farm gate level: **41**

Number of samples from supermarkets: **13**

Number of imported samples: **13**

Number of samples with pesticide residues exceeding MRL: **6**

Number of samples with pesticide residues not recommended on that crop: **15**

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	Vacoas	Cyromazine	0.037	3.0
2	Chinese White Cabbage (Brède Tompouce)	Vacoas	NDL	-	-
3	Lettuce	Vacoas	Azoxystrobin Carbendazim Cyromazine Cypermethrin Difeconazole Thiophanate-methyl	0.027 1.1 0.62 1.4 0.023 1.7 (Excess)	NR NR 3.0 NR NR 0.1
4	Lettuce	Vacoas	NDL	-	-
5	Ridge gourd (Pipengaille)	Vacoas	NDL	-	-
6	Turnip (Rave)	Vacoas	Carbendazim Cypermethrin	0.016 0.16	NR NR
7	Zucchini	Vacoas	Cyromazine Cypermethrin	0.098 0.080	2 0.2

	(Courgette)				
8	Okra	Vacoas	NDL	-	-
9	Bitter gourd	Vacoas	Carbendazim Cypermethrin Thiophanate-methyl	0.080 0.68 (Excess) 0.16	NR 0.07 0.5
10	Chinese white cabbage (Brède Tompouce)	Rivière Baptiste	Cypermethrin Metalaxyl	1.6 0.13	NR 0.5
11	Spinach	Rivière Baptiste	Cypermethrin Metalaxyl	0.31 0.24	NR 2.0
12	Chinese white cabbage (White petiole)	Rivière Baptiste	Carbendazim Cypermethrin Indoxacarb Lambda-cyhalothrin	0.013 0.024 0.12 0.020	NR NR 3.0 0.5
13	Chinese White Cabbage (Brède Tompouce)	Rivière Baptiste	Cypermethrin	0.024	NR
14	Carrots	Rivière Baptiste	Cypermethrin	0.031	0.05
15	Chayote	Nouvelle Découverte	NDL	-	-
16	Eggplant	Carreau Esnouf	Acetamiprid Carbendazim	0.028 0.023	0.2 NR
17	Tomato Roma	Belle Rive	Cypermethrin Boscalid Pyraclostrobin	0.28 (Excess) 0.42 0.20	0.2 NR 0.3
18	Bean	Dubreuil	Cypermethrin	0.058	0.7
19	Tomato	Deux Bras	Azoxystrobin Difenoconazole	0.18 0.19	3 2
20	Tomato	Deux Bras	NDL	-	-
21	Tomato	Deux Bras	Azoxystrobin Difenoconazole	0.13 0.13	3 2
22	Cucumber	Deux Bras	NDL	-	-
23	Eggplant	Deux Bras	NDL	-	-

24	Bean	Choisy	Metalaxyl	0.072 (Excess)	0.02
25	Bean	Poste De Flacq	Carbendazim Thiophanate- methyl	0.056 0.22 (Excess)	NR 0.1
26	Carrots	Montagne Longue	Azoxystrobin	0.029	NR
27	Beetroot	Montagne Longue	NDL	-	-
28	Ridge gourd	Montagne Longue	NDL	-	-
29	Chinese white cabbage (Green petiole)	Montagne Longue	NDL	-	-
30	Chilli	Crève Coeur	NDL	-	-
31	Chinese white cabbage (White petiole)	Notre Dame	NDL	-	-
32	Chinese white cabbage (Brède Tompouce)	Notre Dame	NDL	-	-
33	Spring onion	Notre Dame	Linuron	0.064	NR
34	Squash	Nouvelle Découverte	Azoxystrobin	0.010	NR
35	Tomato	Nouvelle Découverte	Acetamiprid Iprovalicarb	0.013 0.23	0.5 0.7
36	Chayote	Nouvelle Découverte	NDL	-	-
37	Cucumber	Nouvelle Découverte	Acetamiprid	0.010	0.3
38	Chayote	Nouvelle Découverte	NDL	-	-
39	Tomato	Ripailles	NDL	-	-
40	Lemon	Ripailles	NDL	-	-
41	Cabbage	Rivière Baptiste	NDL	-	-

2. Results of analysis of samples collected from super markets

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Bottle gourd	Port-Louis	Cypermethrin	0.017	0.07
2	Cucumber	Port-Louis	Cypermethrin	0.031	0.07
3	Bell pepper (Yellow)	Port-Louis	Azoxystrobin Chlorantraniliprole Difenoconazole Metalaxyl Propamocarb	0.27 0.058 0.28 0.047 0.27	10 0.6 0.6 0.5 3
4	Pineapple	Port-Louis	NDL	-	-
5	Cabbage	Port-Louis	NDL	-	-
6	Pumpkin	Port-Louis	NDL	-	-
7	Chayote	Phoenix	NDL	-	-
8	Watercress	Flacq	Thiamethoxam	0.016	NR
9	Chinese white cabbage	Flacq	NDL	-	-
10	Lettuce	Flacq	Boscalid Pyraclostrobin	0.17 0.055	NR 2.0
11	Squash	Flacq	NDL	-	-
12	Carrot	Flacq	NDL	-	-
13	Bottle gourd	Flacq	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1	Pear	Acetamiprid	0.037	0.4
2	Grapes	Boscalid	0.038	5.0

3	Apple (Green)	Chlorantraniliprole Pyrimethanil	0.015 0.035	0.5 15
4	Plum	Pyrimethanil	0.075	2
5	Plum	Fludioxonil Pyrimethanil Thiabendazole	0.16 0.42 0.036 (Excess)	5 2 0.01
6	Lemon	Imazalil Pyraclostrobin	0.50 0.023	15 2
7	Mandarin	Difenoconazole Imidacloprid Imazalil	0.020 0.024 0.69	0.6 0.9 5
8	Grapes	Boscalid	0.081	5
9	Butternut	Azoxystrobin Difenoconazole Lambda-cyhalothrin	0.012 0.014 0.016	1 0.2 0.06
10	Kiwi	NDL	-	-
11	Apple (Red)	NDL	-	-
12	Mandarin	Cypermethrin Imazalil Lambda-cyhalothrin	0.024 3.3 0.019	2 5 0.2
13	Lemon	Azoxystrobin Cypermethrin Difenoconazole Imazalil Lambda-cyhalothrin	0.085 0.023 0.087 1.4 0.029	15 2 0.6 15 0.2

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

MRL – Maximum Residue Limit

NDL – No Detectable Level

NR – Not Recommended on that Crop

28 June 2022