

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

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Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of October 2024

Number of samples collected: **160**

Number of samples from farm gate level: **55**

Number of samples from auction sale: **40**

Number of samples from supermarkets: **33**

Number of samples from retailers: **17**

Number of imported samples: **15**

Number of samples with pesticide residues exceeding MRL: 10

Number of samples with pesticide residues not recommended: 21

Improvement Notice issued: 22

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 White Cabbage (Brède Tom Pouce)	Terre Rouge	NDL	-	-
2.	Mustard Cabbage (Brède de Chine Frisée)	Terre Rouge	NDL	-	-
3.	Coriander	Terre Rouge	NDL	-	-
4.	Green Onions	Terre Rouge	NDL	-	-
5.	Lettuce	Terre Rouge	Carbendazim	0.011	5
6.	Chinese Radish	Terre Rouge	NDL	-	-
7.	Carrot	Vacoas	NDL	-	-

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
8.	Chayote	Vacoas	NDL	-	-
9.	Chayote	Vacoas	NDL	-	-
10.	Carrot	Vacoas	NDL	-	-
11.	Carrot	Vacoas	Linuron	0.012	NR
12.	Chayote	Vacoas	NDL		
13.	Cabbage	Vacoas	NDL	-	-
14.	English Cucumber	Vacoas	Metalaxyl	0.019 (Excess)	0.01
15.	White Cucumber	Vacoas	Metalaxyl Tebuconazole	0.026 (Excess) 0.024	0.01 0.2
16.	Bell Pepper	Vacoas	Acetamiprid Pyraclostrobin Tebuconazole	0.130 0.053 0.210	0.3 NR 0.6
17.	Cabbage	Glen Park	NDL	-	-
18.	Potato	La Marie	Cyromazine Metalaxyl	0.067 (Excess) 0.024	0.05 0.05
19.	Chayote	La Marie	NDL	-	-
20.	Carrot	La Marie	NDL	-	-
21.	Beetroot	La Marie	NDL	-	-
22.	Eggplant	Palmar	NDL	-	-
23.	Eggplant (Aubergine)	Palmar	NDL	-	-
24.	Eggplant	Palmar	NDL	-	-
25.	Chilli	Palmar	Acetamiprid	0.026	0.3

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
26.	Papaya	Palmar	NDL	-	-
27.	Onion	Trou d'Eau Douce	NDL	-	-
28.	Coriander	Trou d'Eau Douce	NDL	-	-
29.	Onion	Belle-Mare	Thiamethoxam	0.011	NR
30.	Tomato	Camp de Masque	NDL	-	-
31.	Tomato	Flacq	Propamocarb	0.091	2
32.	Cucumber	Flacq	Carbendazim	0.031	0.1
33.	Pumpkin	Flacq	NDL	-	-
34.	Lettuce (Multifeuilles)	St Pierre	NDL	-	-
35.	Lettuce (Batavia)	St Pierre	NDL	-	-
36.	Lettuce (Iceberg)	St Pierre	NDL	-	-
37.	Cabbage	St Pierre	NDL	-	-
38.	Zucchini	Dubreuil	NDL	-	-
39.	Squash	Dubreuil	NDL	-	-
40.	Chayote	Dubreuil	NDL	-	-
41.	Chinese Radish	Dubreuil	NDL	-	-
42.	Radish	Dubreuil	NDL	-	-
43.	Chinese White Cabbage (Brède Baton Vert)	Dubreuil	NDL	-	-
44.	Cabbage	Dubreuil	NDL	-	-
45.	Amaranth (Kotachee)	Dubreuil	NDL	-	-

SN.	Fruits and Vegetables	Locality	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
46.	Cowpea	Dubreuil	NDL	-	-
47.	English Cucumber (Mini)	Deux Bras	NDL	-	-
48.	Eggplant	Deux Bras	Acetamiprid Thiamethoxam	0.011 0.14	0.2 NR
49.	Tomato	Deux Bras	Acetamiprid Chlorantraniliprole Clothianidin Thiamethoxam	0.019 0.050 0.21 0.41	0.5 5 NR NR
50.	Tomato	Deux Bras	Chlorantraniliprole Thiamethoxam	0.045 0.018	5 NR
51.	Tomato (San Marzano)	Deux Bras	Chlorantraniliprole	0.051	5
52.	Tomato (Bonbon)	Deux Bras	Acetamiprid Chlorantraniliprole Clothianidin Thiamethoxam	0.1 0.150 0.067 0.054	0.5 5 NR NR
53.	Tomato	Gros Billot, New Grove	NDL	-	-
54.	Tomato	Gros Billot, New Grove	Chlorantraniliprole Iprovalicarb Mandipropamid Propamocarb	0.022 0.053 0.012 0.030	5 0.7 NR 2
55.	Chilli	Gros Billot, New Grove	Chlorantraniliprole Cyromazine Mandipropamid Propamocarb	0.026 0.086 0.015 0.016	0.6 1.5 NR 3

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

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1.	Watercress	Goodlands	Acetamiprid	0.027	NR
2.	Chinese White Cabbage (Brède de Chine)	Goodlands	NDL	-	-
3.	Lettuce	Goodlands	Azoxystrobin Difenoconazole	0.120 0.120	3 NR
4.	Tomato	Goodlands	NDL	-	-
5.	Tomato	Goodlands	Carbendazim	0.019	0.5
6.	Cucumber	Goodlands	Acetamiprid Thiamethoxam	0.099 0.019	0.3 NR
7.	Cherry Tomato	Goodlands	Acetamiprid Azoxystrobin Cyromazine Difenoconazole Dimethomorph	0.016 0.140 0.075 0.130 0.098	0.5 3 0.6 2 NR
8.	Chilly	Goodlands	Carbendazim Thiophanate-methyl	0.600 11.000 (Excess)	2 0.1
9.	Okra	Goodlands	Azoxystrobin Difenoconazole Metalaxyl	0.390 0.320 0.048	NR NR NR
10.	Tomato	National Wholesale Market	Acetamiprid Chlorantraniliprole	0.028 0.027	0.5 5
11.	Bottle-gourd	National Wholesale Market	NDL	-	-
12.	Chayote	National Wholesale Market	NDL	-	-
13.	Pumpkin	National Wholesale Market	NDL	-	-
14.	Hot Pepper (Piment Cari)	National Wholesale Market	NDL	-	-
15.	Squash	National Wholesale Market	Acetamiprid Carbendazim	0.090 0.012	0.3 0.5
16.	Beetroot	National Wholesale Market	NDL	-	-
17.	Zucchini	National Wholesale Market	Propamocarb	0.120	5

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
18.	Eggplant	National Wholesale Market	NDL	-	-
19.	Bitter gourd	National Wholesale Market	NDL	-	-
20.	Bean	National Wholesale Market	Carbendazim Thiophanate-methyl	0.130 0.160 (Excess)	0.5 0.1
21.	Cucumber	National Wholesale Market	Azoxystrobin Methomyl	0.011 0.011	1 NR
22.	Squash	National Wholesale Market	NDL	-	-
23.	Bell Pepper	National Wholesale Market	NDL	-	-
24.	Carrot	National Wholesale Market	NDL	-	-
25.	Banana	Wooton	NDL	-	-
26.	Cabbage	Wooton	Chlorantraniliprole	0.046	2
27.	Ginger	Wooton	NDL	-	-
28.	Tomato (Roma)	Wooton	Chlorantraniliprole Pyraclostrobin	0.012 0.020	5 0.3
29.	Papaya	Wooton	NDL	-	-
30.	Pineapple	Wooton	NDL	-	-
31.	English Cucumber	Wooton	Metalaxyl Tebuconazole	0.051 (Excess) 0.047	0.01 0.2
32.	English Cucumber	Wooton	Pyraclostrobin	0.016	0.5
33.	Squash	Wooton	Metalaxyl	0.027 (Excess)	0.01
34.	Zucchini	Wooton	NDL	-	-
35.	Cabbage	Wooton	Tebuconazole	0.120	0.7
36.	Chilly	Wooton	Metalaxyl	1.6 (Excess)	0.5

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
37.	Chinese White Cabbage (Brède Baton Vert)	Wooton	NDL	-	-
38.	Squash	Wooton	Propamocarb	0.069	5
39.	Coriander	Wooton	Linuron	0.210	NR
40.	Banana (Green)	Riche Terre	NDL	-	-
41.	Pawpaw	Riche Terre	Acetamiprid Carbendazim Thiophanate Methyl	0.059 0.053 0.610 (Excess)	NR 0.2 0.1
42.	Pineapple	Riche Terre	NDL	-	-
43.	Parsley	Riche Terre	NDL	-	-
44.	Cabbage (Red)	Riche Terre	NDL	-	-
45.	Watercress	Riche Terre	NDL	-	-
46.	Chinese Cabbage (Petsai)	Riche Terre	NDL	-	-
47.	Chinese White Cabbage (Brède Baton Vert)	Riche Terre	NDL	-	-
48.	Cucumber	Riche Terre	NDL	-	-
49.	Cauliflower	Riche Terre	NDL	-	-
50.	Okra	Riche Terre	Acetamiprid	0.040	0.2
51.	Tomato	Riche Terre	Carbendazim Cyromazine Propamocarb	0.022 0.450 0.130	0.5 0.6 2
52.	Bottle-gourd	Riche Terre	NDL	-	-
53.	Eddo (Violette)	Riche Terre	NDL	-	-
54.	Sweet Potato	Riche Terre	NDL	-	-
55.	Pineapple	Belle-Mare	NDL	-	-

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
56.	Pineapple	Belle-Mare	NDL	-	-
57.	Cabbage	National Wholesale Market	NDL	-	-
58.	Carrot	National Wholesale Market	NDL	-	-
59.	Beetroot	National Wholesale Market	NDL	-	-
60.	Squash	National Wholesale Market	NDL	-	-
61.	Zucchini	National Wholesale Market	NDL	-	-
62.	Chilli	National Wholesale Market	Acetamiprid Dimethomorph Propamocarb Pyraclostrobin	0.160 0.070 0.120 0.091	0.3 NR 3 NR
63.	Tomato	National Wholesale Market	NDL	-	-
64.	Carrot	National Wholesale Market	NDL	-	-
65.	Chayote	National Wholesale Market	NDL	-	-
66.	Pineapple	National Wholesale Market	NDL	-	-
67.	Sweet Potato	National Wholesale Market	NDL	-	-
68.	Zucchini	National Wholesale Market	NDL	-	-
69.	Carrot	National Wholesale Market	NDL	-	-
70.	Chilly	National Wholesale Market	NDL	-	-
71.	Chayote	National Wholesale Market	NDL	-	-
72.	Cabbage	National Wholesale Market	NDL	-	-
73.	Squash	National Wholesale Market	NDL	-	-
74.	Eggplant	National Wholesale Market	NDL	-	-
75.	Broccoli	National Wholesale Market	NDL	-	-

SN.	Fruits and Vegetables	Super/Auction Market	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
76.	Chayote	National Wholesale Market	NDL	-	-
77.	Bottle-gourd	National Wholesale Market	NDL	-	-
78.	Pumpkin	National Wholesale Market	NDL	-	-
79.	Cabbage	National Wholesale Market	Methomyl	0.019	NR
80.	Chayote	National Wholesale Market	NDL	-	-
81.	Chayote Greens (Brède Chouchou)	National Wholesale Market	NDL	-	-
82.	Bell Pepper	Cascavelle	Acetamiprid	0.200	0.3
83.	Carrot	Cascavelle	NDL	-	-
84.	Eggplant (Aubergine)	Cascavelle	Azoxystrobin Difenoconazole	0.038 0.037	3 NR
85.	Tomato (San Marzano)	Cascavelle	Chlorantraniliprole Clothianidin Thiamethoxam	0.053 0.022 0.042	5 NR NR
86.	Tomato	Cascavelle	NDL	-	-
87.	Sweet Potato	Cascavelle	NDL	-	-
88.	Ginger	Cascavelle	NDL	-	-
89.	Ginger	Cascavelle	NDL	-	-
90.	Watercress	Cascavelle	NDL	-	-

3. Results of analysis from imported samples

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
1.	Watermelon	Imidacloprid	0.012	0.2
2.	Avocado	Carbendazim	0.032	0.1

SN.	Fruits and Vegetables	Pesticides detected	Amount (mg/kg)	MRL (mg/kg)
3.	Pomegranate	Imidacloprid	0.110 (Excess)	0.01
4.	Pear	Acetamiprid	0.015	0.4
5.	Orange	Thiabendazole	0.250	7
6.	Grapefruit	Thiabendazole	0.260	7
7.	Blueberry	Cyprodinil	0.022	8
8.	Peach	NDL	-	-
9.	Kiwi	NDL	-	-
10.	Pear	Chlorantraniliprole	0.024	0.4
11.	Strawberry	Azoxystrobin	0.039	10
		Pyrimethanil	0.084	5
12.	Orange	Imazalil	1.4	4
		Pyraclostrobin	0.042	2
		Pyriproxifen	0.012	0.7
		Thiabendazole	0.350	7
13.	Radish (Florette)	Propamocarb	0.097	3
14.	Pomegranate	NDL	-	-
15.	Bean (Extra Fine)	NDL	-	-

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