

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

Pesticides Regulatory Office, Réduit

Tel: 401 2800

E-mail: moapro22@gmail.com

Pesticide Residue Analysis for samples collected by Pesticides Regulatory Office for the Month of November 2023

Number of samples collected: **75**

Number of samples from farm gate level: **23**

Number of samples from supermarkets: **17**

Number of samples from National Wholesale Market: **30**

Number of imported samples: **5**

Number of samples with pesticide residues exceeding MRL: 7

Number of samples with pesticide residues not recommended on those crops: 8

Improvement Notice issued: 13

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 | Chayote | Glen Park | NDL | - | - |
| 2 | Cabbage | La Marie | NDL | - | - |
| 3 | Lettuce (Multifeuilles) | Gentilly, Moka | NDL | - | - |
| 4 | Lettuce (Batavia) | Gentilly, Moka | NDL | - | - |
| 5 | Lettuce (Iceberg) | Gentilly, Moka | NDL | - | - |
| 6 | Bottle-gourd | Vacoas | Metalaxyl | 0.013 (Excess) | 0.01 |
| 7 | Chayote | Vacoas | NDL | - | - |
| 8 | Tomato (Roma) | Deux Bras | Acetamiprid Boscalid Chlorantraniliprole | 0.019 0.075 0.027 | 0.5 3 5 |

| | | | | | |
|----|---|-------------|--|----------------------------------|--------------------------------------|
| 9 | Tomato (San Marzano) | Deux Bras | Chlorantraniliprole | 0.110 | 5 |
| 10 | Bell Pepper | Deux Bras | Acetamiprid Boscalid Chlorantraniliprole Pyraclostrobin | 0.230 0.450 0.039 0.200 | 0.3 NR 0.6 NR |
| 11 | Cucumber | Deux Bras | NDL | - | - |
| 12 | Cherry Tomato | Deux Bras | Chlorantraniliprole | 0.028 | 5 |
| 13 | Aubergine | Deux Bras | NDL | - | - |
| 14 | Lettuce (Iceberg) | St Pierre | NDL | - | - |
| 15 | Lettuce (Batavia) | St Pierre | NDL | - | - |
| 16 | Coriander | Terre Rouge | NDL | - | - |
| 17 | Chinese Chives | Terre Rouge | Pymetrozine | 0.025 | NS |
| 18 | Amaranth | Terre Rouge | Chlorantraniliprole | 0.260 | NR |
| 19 | Chinese White Cabbage (Brède Baton Blanc) | Terre Rouge | NDL | - | - |
| 20 | Chinese Cabbage | Terre Rouge | Chlorantraniliprole Metalaxyl | 0.091 0.011 | 2 0.02 |
| 21 | Spring Onion | Terre Rouge | NDL | - | - |
| 22 | Thyme | Terre Rouge | Carbendazim | 0.073 | NR |
| 23 | Lettuce (Mignonette) | Terre Rouge | NDL | - | - |

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

| SN. | Fruits and Vegetables | Super/Auction Market | Pesticides detected | Amount (mg/kg) | MRL (mg/kg) |
|------------|------------------------------|-----------------------------|----------------------------|-----------------------|--------------------|
| 1 | Beetroot | National Wholesale Market | NDL | - | - |

| | | | | | |
|----|-----------------|----------------------------------|--|---|---------------------------|
| 2 | Tomato | National Wholesale Market | NDL | - | - |
| 3 | Bottle-gourd | National Wholesale Market | NDL | - | - |
| 4 | Cabbage | National Wholesale Market | Metalaxyl | 0.084 (Excess) | 0.06 |
| 5 | Eggplant | National Wholesale Market | NDL | - | - |
| 6 | Chilli | National Wholesale Market | NDL | - | - |
| 7 | Cucumber | National Wholesale Market | ymazine Metalaxyl | 0.020 0.052 (Excess) | 0.4 0.01 |
| 8 | Squash | National Wholesale Market | Metalaxyl Pyraclostrobin Tebuconazole | 0.018 (Excess) 0.032 0.032 | 0.01 0.5 0.6 |
| 9 | Tomato | National Wholesale Market | Fenamidone Propamocarb | 0.022 0.120 | NR 2 |
| 10 | Pineapple | National Wholesale Market | NDL | - | - |
| 11 | Mango | National Wholesale Market | NDL | - | - |

| | | | | | |
|----|---------------|---------------------------|-----------------------|-----------------------|-------------|
| 12 | Pineapple | National Wholesale Market | NDL | - | - |
| 13 | Mango | National Wholesale Market | NDL | - | - |
| 14 | Pineapple | National Wholesale Market | NDL | - | - |
| 15 | Carrot | National Wholesale Market | NDL | - | - |
| 16 | Spring Onion | Floréal | NDL | - | - |
| 17 | Potato | Floréal | NDL | - | - |
| 18 | Lettuce | Floréal | Azoxystrobin | 0.011 | NR |
| | | | Difenoconazole | 0.011 | NR |
| 19 | Tomato | Floréal | Clothianidin | 0.011 | NR |
| | | | Thiamethoxam | 0.080 | NR |
| 20 | Watercress | Floréal | NDL | - | - |
| 21 | Chilli | Floréal | Hexaconazole | 0.014 (Excess) | 0.01 |
| | | | Propamocarb | 0.028 | 3 |
| 22 | Tomato | Floréal | Chlorantraniliprole | 0.013 | 5 |
| 23 | Tomato | National Wholesale Market | NDL | - | - |
| 24 | Radish | National Wholesale Market | NDL | - | - |

| | | | | | |
|----|----------------|----------------------------------|---------------------------------|--------------------------------|------------------|
| 25 | Onion | National Wholesale Market | Cyromazine | 0.012 | 0.1 |
| 26 | Bitter-gourd | National Wholesale Market | NDL | - | - |
| 27 | Bottle-gourd | National Wholesale Market | NDL | - | - |
| 28 | Pumpkin | National Wholesale Market | NDL | - | - |
| 29 | Squash | National Wholesale Market | NDL | - | - |
| 30 | Carrot | National Wholesale Market | NDL | - | - |
| 31 | Chayote | National Wholesale Market | NDL | - | - |
| 32 | Bitter-gourd | National Wholesale Market | Acetamiprid | 0.018 | 0.3 |
| 33 | Pumpkin | National Wholesale Market | Metalaxyl Propamocarb | 0.140 (Excess) 0.030 | 0.01 5 |
| 34 | Cauliflower | National Wholesale Market | NDL | - | - |

| | | | | | |
|----|--------------|---------------------------|--|----------------------------------|------------------------|
| 35 | Bottle-gourd | National Wholesale Market | NDL | - | - |
| 36 | Sweet Potato | National Wholesale Market | NDL | - | - |
| 37 | Chilli | National Wholesale Market | Boscalid Pyraclostrobin | 0.270 0.091 | NR NR |
| 38 | Lettuce | Tamarin | Cyromazine | 0.042 | 3 |
| 39 | Turnip | Tamarin | NDL | - | - |
| 40 | Cauliflower | Tamarin | NDL | - | - |
| 41 | Sweet Pepper | Tamarin | Azoxystrobin Difenoconazole Metalaxyl Propamocarb | 0.099 0.100 0.011 0.380 | 10 0.6 0.5 3 |
| 42 | Aubergine | Tamarin | Propamocarb | 0.140 | NR |
| 43 | Carrot | Tamarin | NDL | - | - |
| 44 | Banana | Tamarin | NDL | - | - |
| 45 | Banana | Tamarin | NDL | - | - |
| 46 | Melon | Tamarin | NDL | - | - |
| 47 | Papaya | Tamarin | NDL | - | - |

3. Results of analysis from imported samples

| SN. | Fruits and Vegetables | Pesticides detected | Amount (mg/kg) | MRL (mg/kg) |
|-----|-----------------------|---|-------------------------|--------------|
| 1 | Orange | Imazalil Methoxyfenozide Pyraclostrobin | 0.620 0.012 0.034 | 15 2 2 |

| | | | | |
|---|-------------------|-----------------------|-----------------------|------------|
| | | Thiabendazole | 0.270 | 7 |
| 2 | Mandarin | Imazalil | 2.000 | 15 |
| | | Thiabendazole | 0.100 | 7 |
| 3 | Blueberry | Fludioxonil | 0.088 | 4 |
| | | Pyrimethanil | 0.280 | 8 |
| 4 | Orange | Imazalil | 1.400 | 15 |
| | | Pyrimethanil | 1.700 | 8 |
| 5 | Grapefruit | Azoxystrobin | 0.820 | 15 |
| | | Difenoconazole | 0.830 (Excess) | 0.6 |
| | | Pyrimethanil | 0.990 | 8 |

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 Act