

MINISTRY OF AGRO INDUSTRY & FOOD SECURITY

Agricultural Chemistry Division/Food Technology Laboratory

Agricultural Services, Réduit.

Tél: 465 7472/4661321/4661435 Fax: 466 1559 E-mail: moa-agric-chem@govmu.org

Pesticide Residue Analysis for samples collected at farm gate level for the month of June 2018

Under the monitoring programme, eighty fruit and vegetable samples were collected from farm gate level and analysed for 182 pesticide residues.

Five samples exceeded the Codex Maximum Residue Level.

Results of Analysis for farm Gate level

	Date received	Fruits & Vegetables	Lab. Code	Client Code	Locality	Pesticide detected	Amount detected (mg/kg)	CODEX MRL (mg/kg)
1	07.06.18	Chayote (Chouchou)	C/337/18	E/SP/18/20	Nouvelle Découverte	NDL	-	
2	07.06.18	Brède Tompouce	C/338/18	E/SP/18/21	La Laura	Deltamethrin	0.029	Leafy veg: 2
3	07.06.18	Lady's finger	C/339/18	N1/06/18/507	Camp des Embrévades	Cyromazine Cypermethrin	0.020 0.11	fruiting veg : 1 0.5
4	07.06.18	Ridged gourd (Pipengaille)	C/340/18	N1/06/18/508	Camp des Embrévades	Cyromazine Cypermethrin	0.13 0.14	Squash: 2 cucurbits : 0.07
5	07.06.18	Chilli	C/341/18	N1/06/18/509	Camp des Embrévades	λ-Cyhalothrin Cypermethrin	0.028 0.017	N/A Pepper chilli : 2
6	07.06.18	Calabash	C/342/18	N1/06/18/510	Camp des Embrévades	NDL	-	-
7	07.06.18	Chilli	C/343/18	N2/03/18/511	Solitude	λ-Cyhalothrin Cypermethrin	0.067 0.053	N/A 2
8	07.06.18	Brinjal	C/344/18	N2/03/18/512	Solitude	Azoxystrobin Difenoconazole	< 0.01 < 0.01	Fruiting veg: 3 Fruiting veg: 0.6
9	07.06.18	Brinjal	C/345/18	N2/03/18/513	Solitude	Cypermethrin Thiamethoxam	0.034 0.014	0.03 Fruiting veg: 0.7
10	07.06.18	Asparagus bean (Voehm)	C/346/18	N2/03/18/514	Solitude	Azoxystrobin Difenoconazole	0.035 0.033	Legume veg: 3 beans: 0.7
11	07.06.18	Ridged gourd (Pipengaille)	C/347/18	N2/03/18/515	Solitude	Cyromazine	0.038	Squash: 2
12	07.06.18	Brinjal	C/348/18	E3/7/18/28	Belle Mare	NDL	-	-
13	07.06.18	Coriander	C/349/18	E3/7/18/29	Belle Mare	NDL	-	-
14	07.06.18	Green Onion	C/350/18	E3/7/18/30	Belle Mare	Metalaxyl Tebuconazole	0.012 0.026	2.0 0.15
15	07.06.18	Chayote (Chouchou)	C/351/18	E2/UT/18/40	Grand Bas Fonds	Propiconazole	0.058	N/A
16	07.06.18	Calabash	C/352/18	E2/UT/18/41	Belvédère	NDL	-	-
17	07.06.18	Baton blanc	C/354/18	RDA/S1/18/00 1	Bel Air- Riambel	NDL	-	-
18	07.06.18	Brinjal	C/355/18	RDA/S1/18/00 2	Bel Air- Riambel	Thiamethoxam	0.010	fruiting veg: 0.7
19	08.06.18	Coriander	C/356/18	C/Vac/MRL/18 /6/12	Albion	NDL	-	-
20	08.06.18	Brinjal	C/357/18	C/Vac/MRL/18 /6/13	Albion	Formetanate	0.022	N/A
21	08.06.18	Eddoes (taro family)	C/358/18	C/Vac/MRL/18 /6/14	Albion	NDL	-	-
22	14.06.18	Cabbage	C/360/18	E/SP/18/22	Petit Verger	NDL	-	-

	Date received	Fruits & Vegetables	Lab. Code	Client Code	Locality	Pesticide detected	Amount detected (mg/kg)	CODEX MRL (mg/kg)
23	14.06.18	Chayote (Chouchou)	C/361/18	E/SP/18/23	Nouvelle Découverte	NDL	-	-
24	14.06.18	Chayote (Chouchou)	C/362/18	PDC/S3/01/16/18	Beau Climat	NDL	-	-
25	14.06.18	Brinjal	C/363/18	PDC/S3/03/17/18	Mare D'Albert	NDL	-	-
26	14.06.18	Banana	C/364/18	PDC/S3/02/18/18	Bois Blanc	NDL	-	-
27	14.06.18	Brède de chine	C/365/18	PDC/S3/01/19/18	Beau Climat	NDL	-	-
28	14.06.18	Lettuce	C/366/18	E3/8/18/31	Riche Mare	Spinosad	0.081	Leafy veg:10
29	14.06.18	Brède blanc	C/367/18	E3/8/18/32	Riche Mare	Cypermethrin	0.13	Leafy veg:0.7
30	14.06.18	Coriander	C/368/18	E3/8/18/33	Riche Mare	λ - cyhalothrin Cypermethrin Spinosad	0.040 0.031 0.036	N/A Spices:0.5 N/A
31	14.06.18	Tomato	C/369/18	N3/8/18/516	Lower Vale	Cypermethrin	0.17	0.2
32	14.06.18	Chilli	C/370/18	N3/8/18/517	Lower Vale	λ - cyhalothrin	<0.01	0.3
33	14.06.18	Brinjal	C/371/18	N3/8/18/518	Lower Vale	NDL	-	-
34	14.06.18	Brinjal	C/372/18	N3/8/18/519	Lower Vale	NDL	-	-
35	14.06.18	Beetroot	C/373/18	N4/09/18/520	Roche Noires	Tebuconazole	0.07	N/A
36	14.06.18	Green onion	C/374/18	N4/09/18/521	Roche Noires	Tebuconazole Hexaconazole λ - cyhalothrin Abamectin Carbendazim Chlorantraniliprole	0.44 0.035 <0.01 0.011 0.015 0.070	spring onion:2.0 N/A N/A shallot: 0.005 N/A Leafy veg:20.0
37	14.06.18	Brède de chine	C/375/18	N4/09/18/522	Roche Noires	Tebuconazole Epoxiconazole λ - cyhalothrin Abamectin Carbendazim Chlorantraniliprole Hexaconazole Spinosad	2.5 0.012 0.047 0.045 0.054 0.280 0.11 0.012	N/A N/A N/A N/A N/A Leafy veg:20.0 N/A Leafy veg:10.0
38	14.06.18	Amaranthus (Brède)	C/376/18	N4/09/18/523	Roche Noires	λ - cyhalothrin Abamectin Carbendazim Chlorantraniliprole Flutriafol Hexaconazole Tebuconazole	<0.01 0.042 0.026 0.36 0.011 0.13 0.93	N/A N/A N/A Leafy veg:20.0 N/A N/A N/A
39	14.06.18	Lettuce	C/377/18	C/vac/MRL/18/06/14	Clairfonds	Cypermethrin	0.90	Leafy veg:0.7
40	14.06.18	Mint	C/378/18	C/vac/MRL/18/06/15	Clairfonds	Cypermethrin Metalaxyl Tebuconazole Trifloxystrobin	2.8 0.66 0.26 0.059	N/A N/A N/A N/A
41	14.06.18	Chayote (Chouchou)	C/379/18	C/vac/MRL/18/06/16	Carreau Laliane	NDL	-	-
42	21.06.18	Cabbage	C/385/18	CW/HE/06/01	Mare Longue	Tebuconazole	0.008	1.0
43	21.06.18	Brède Tompouce	C/386/18	CW/HE/06/02	-	NDL	-	-
44	21.06.18	Chayote (Chouchou)	C/387/18	CW/HE/06/03	Plaine Sophie	NDL	-	-

	Date received	Fruits & Vegetables	Lab. Code	Client Code	Locality	Pesticide detected	Amount detected (mg/kg)	CODEX MRL (mg/kg)
45	21.06.18	Lady's finger	C/388/18	E3/7/18/34	Belle Mare	NDL	-	-
46	21.06.18	Brinjal	C/389/18	E3/7/18/35	Belle Mare	NDL	-	-
47	21.06.18	Snake gourd (Patole)	C/390/18	E2/UT/18/42	Belvédère	NDL	-	-
48	21.06.18	Brède Tompouce	C/391/18	E2/UT/18/43	Lallmatie	Cypermethrin	0.026	Leafy veg: 0.7
49	21.06.18	Calabash	C/392/18	N1/04/18/524	Souvenir	NDL	-	-
50	21.06.18	Tomato	C/393/18	N1/06/18/525	-	Chlorantraniliprole	0.022	berries and small fruits: 1.0
51	21.06.18	Cabbage	C/394/18	N1/06/18/526	-	Cypermethrin Chlorantraniliprole	0.015 0.049	1.0 2.0
52	21.06.18	Cauliflower	C/395/18	N1/04/18/527	-	NDL	-	-
53	21.06.18	Lady's finger	C/396/18	N2/01/18/528	-	NDL	-	-
54	21.06.18	Brède de chine	C/397/18	N2/01/18/529	-	Cypermethrin	0.301	leafy veg: 0.7
55	21.06.18	Brinjal	C/398/18	N2/07/18/530	-	NDL	-	-
56	21.06.18	Banana	C/399/18	N2/07/18/531	-	NDL	-	-
57	21.06.18	Ridged gourd (Pipengaille)	C/400/18	E/SP/18/25	L'Esperance	Cypermethrin	0.016	Cucurbits: 0.07
58	21.06.18	Chinese cabbage (Petai)	C/401/18	E/SP/18/24	Ripailles	Cypermethrin Cyfluthrin Deltamethrin	<0.01 0.027 0.031	brassica: 1 cabbage: 0.08 brassica: 0.1
59	28.06.18	Cabbage	C/404/18	CW/HE/06/04	La Forêt	Cypermethrin	0.081	1.0
60	28.06.18	Carrot	C/405/18	CW/HE/06/05	La Forêt	NDL		
61	28.06.18	Chayote (Chouchou)	C/406/18	CW/HE/06/06	La Forêt	NDL	-	-
62	28.06.18	Beans	C/407/18	E/SP/18/26	Dagotière	NDL	-	-
63	28.06.18	Chayote (Chouchou)	C/408/18	E/SP/18/27	Nouvelle Decouverte	NDL	-	-
64	28.06.18	Brinjal	C/409/18	N3/09/18/532	Bois Mangués	λ -cyhalothrin	0.019	Fruiting veg: 0.3
65	28.06.18	Bean	C/410/18	N3/09/18/533	Bois Mangués	Cypermethrin	0.13	0.7
66	28.06.18	Brède de chine	C/411/18	N3/09/18/534	Bois Mangués	Metalaxyl λ -cyhalothrin	0.021 0.50	0.5 Cabbage:0.3
67	28.06.18	Pumpkin	C/412/18	N3/09/18/535	Mapou	NDL	-	-
68	28.06.18	Beans	C/413/18	N4/06/18/536	Haute Rive	Cypermethrin λ -cyhalothrin	1.3 0.13	0.7 0.2
69	28.06.18	Chilli	C/414/18	N4/06/18/537	Haute Rive	Imidacloprid Cypermethrin λ -cyhalothrin	0.22 4.5 0.020	1.0 2.0 0.3
70	28.06.18	Cauliflower	C/415/18	N4/06/18/538	Roche Noires	NDL	-	-
71	28.06.18	Brinjal	C/416/18	N4/09/18/539	Roche Terre	NDL	-	-
72	28.06.18	Bittergourd	C/417/18	E3/4/18/36	Poste de Flacq	NDL	-	-
73	28.06.18	Beans	C/418/18	E3/4/18/37	Poste de Flacq	Metalaxyl Cypermethrin	0.019 2.36	N/A 0.7
74	28.06.18	Papaya	C/419/18	E2/UT/18/43	Bon Accueil	Cypermethrin	0.020	0.5
75	28.06.18	Beans	C/420/18	E2/UT/18/44	Bon Accueil	λ -cyhalothrin	0.12	0.2

	Date received	Fruits& Vegetables	Lab. Code	Client Code	Locality	Pesticide detected	Amount detected (mg/kg)	CODEX MRL (mg/kg)
76	28.06.18	Brède Tompouce	C/421/18	E2/UT/18/45	Bon Accueil	Cypermethrin	0.65	Leafy veg:0.7
77	28.06.18	Squash	C/423/18	S2/5/288/18	St Avold	Metalaxyl	0.088	0.2
78	28.06.18	Brède Chouchou	C/424/18	S2/5/289/18	St Avold	NDL	-	-
79	28.06.18	Brinjal	C/425/18	S2/5/290/18	St Avold	Cypermethrin	0.045	0.03
80	28.06.18	Bean	C/426/18	S2/5/291/18	St Avold	Cypermethrin λ -cyhalothrin	0.18 0.012	0.7 0.2

N.B.: Source CODEX MRL: FAO and WHO 2018

NDL - No detectable level.

MRL - Maximum Residue Level

N/A- Not available