

## HOW SAFE IS YOUR FOOD FROM FARM

November, 2021

1. A total of fifteen **Green Chilli** & fifteen **Guava samples** were collected randomly in the month of **November, 2021** from the market in the area of Kothapet. The samples were analyzed for pesticide residues using validated method with confirmatory analysis on LC-MS/MS & GC-MS/MS at 0.010 ppm (Parts Per Million) level.

2. **Fourteen** Green chilli samples are found with pesticide residues and **three** samples are found pyriproxyfen pesticide above FSSAI MRLs. No pesticides are detected in Guava sample.

**Table-1: Details of pesticides detected in Green Chilli samples**

Sl. No.	Collection Point	Sample code	Pesticides detected	Recommended/ Non recommended (CIBRC)	Residues mg/kg	FSSAI MRL mg/kg
1	Kothapeta	LCN/PRA/21/12/0042	Cypermethrin	Not -recommended	0.08	-
2	Kothapeta	LCN/PRA/21/12/0043	Cypermethrin	Not -recommended	0.07	-
3	Kothapeta	LCN/PRA/21/12/0044	Cypermethrin	Not -recommended	0.08	-
4	Kothapeta	LCN/PRA/21/12/0045	Cypermethrin	Not -recommended	0.05	-
5	Kothapeta	LCN/PRA/21/12/0046	Cypermethrin	Not -recommended	0.07	-
6	Kothapeta	LCN/PRA/21/12/0047	Cypermethrin	Not -recommended	0.07	-
7	Kothapet	LCN/PRA/21/12/0048	Monocrotophos	Not -recommended	0.05	0.20
			Acetamiprid	Recommended	0.03	2.00
			Profenofos	Recommended	0.07	-
			Bifenthrin	Recommended	0.15	-
			Ethion	Recommended	0.57	-
			Cypermethrin	Not -recommended	0.31	-

8	Kothapet	LCN/PRA/21/12/0049	Monocrotophos	Not -recommended	0.07	0.20
			Acetamiprid	Recommended	0.03	2.00
			Profenofos	Recommended	0.06	-
			Bifenthrin	Recommended	0.10	-
			Ethion	Recommended	0.43	-
			Cypermethrin	Not -recommended	0.23	-
9	Kothapet	LCN/PRA/21/12/0050	Monocrotophos	Not -recommended	0.05	0.20
			Acetamiprid	Recommended	0.05	2.00
			Profenofos	Recommended	0.08	-
			Bifenthrin	Recommended	0.18	-
			Ethion	Recommended	0.74	-
			Cypermethrin	Not -recommended	0.37	-
10	Kothapet	LCN/PRA/21/12/0051	Monocrotophos	Not -recommended	0.07	0.20
			Acetamiprid	Recommended	0.05	2.00
			Profenofos	Recommended	0.09	-
			Bifenthrin	Recommended	0.18	-
			Ethion	Recommended	0.74	-
			Cypermethrin	Not -recommended	0.41	-
11	Kothapet	LCN/PRA/21/12/0052	Acetamiprid	Recommended	0.02	2.00
			Profenofos	Recommended	0.04	-
			Bifenthrin	Recommended	0.11	-
			Ethion	Recommended	0.41	-
			Cypermethrin	Not -recommended	0.22	-
12	Kothapet	LCN/PRA/21/12/0053	Chlorantraniliprole	Recommended	0.03	0.60
			<b>Pyriproxyfen</b>	<b>Recommended</b>	<b>0.03</b>	<b>0.02</b>

			Bifenthrin	Recommended	0.04	-
13	Kothapet	LCN/PRA/21/12/0054	Chlorantraniliprole	Recommended	0.06	0.60
			<b>Pyriproxyfen</b>	<b>Recommended</b>	<b>0.05</b>	<b>0.02</b>
			Bifenthrin	Recommended	0.09	-
14	Kothapet	LCN/PRA/21/12/0056	Chlorantraniliprole	Recommended	0.06	0.60
			<b>Pyriproxyfen</b>	<b>Recommended</b>	<b>0.04</b>	<b>0.02</b>
			Bifenthrin	Recommended	0.09	-

Note: MRL- Maximum Residue Limit, CIBRC- Central Insecticide Board & Registration committee