

HOW SAFE ARE YOUR VEGGIES PROJECT

April, 2021

Twenty **vegetable (Green chilli) samples** were collected randomly in the month of April, 2021 from the market in the areas of Warangal and Siddipet.

The samples were analysed for pesticide residues using validated method with confirmatory analysis on GC-MS/MS and LC-MS/MS at 10 ppb (Parts per Billion) level.

Total Twenty (20) samples analysed and sixteen samples found contaminated with four pesticide residues. Eleven samples are found with one pesticide above FSSAI MRLs.

Table-1: Details of pesticides detected in Green chilli vegetable samples

Sl. No.	Collection Point	Sample code	Pesticides detected	Recommended/ Non recommended	Residues mg/kg	FSSAI MRL mg/kg
1	Warangal	LCN/PRA/21/03/0018	Azoxystrobin	Recommended	0.05	1.00
			Difenoconazole	Recommended	0.04	0.01
2	Warangal	LCN/PRA/21/03/0019	Difenoconazole	Recommended	0.04	0.01
3	Warangal	LCN/PRA/21/03/0020	Difenoconazole	Recommended	0.11	0.01
4	Warangal	LCN/PRA/21/03/0021	Difenoconazole	Recommended	0.03	0.01
5	Warangal	LCN/PRA/21/03/0023	Acetamiprid	Recommended	0.03	2.00
6	Warangal	LCN/PRA/21/03/0024	Difenoconazole	Recommended	0.07	0.01
7	Warangal	LCN/PRA/21/03/0025	Imidacloprid	Recommended	0.04	0.30
8	Warangal	LCN/PRA/21/03/0026	Acetamiprid	Recommended	0.04	2.00
9	Warangal	LCN/PRA/21/03/0027	Imidacloprid	Recommended	0.07	0.30
10	Siddipet	LCN/PRA/21/03/0028	Acetamiprid	Recommended	0.04	2.00
11	Siddipet	LCN/PRA/21/03/0029	Acetamiprid	Recommended	0.04	2.00
12	Siddipet	LCN/PRA/21/03/0031	Difenoconazole	Recommended	0.05	0.01
13	Siddipet	LCN/PRA/21/03/0034	Difenoconazole	Recommended	0.14	0.01
14	Siddipet	LCN/PRA/21/03/0035	Difenoconazole	Recommended	0.05	0.01
15	Siddipet	LCN/PRA/21/03/0036	Imidacloprid	Recommended	0.06	0.30
			Difenoconazole	Recommended	0.22	0.01
16	Siddipet	LCN/PRA/21/03/0037	Difenoconazole	Recommended	0.04	0.01

Note: MRL- Maximum Residue Limit