

HOW SAFE ARE YOUR VEGGIES PROJECT

MARCH, 2019

Twenty **Cucumber samples** were collected randomly in the month of March, 2019 from the markets in the areas of Shamshabad and Mehidipatnam.

The samples were analyzed 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 fourteen samples found contaminated with three pesticide residues (Metalaxyl, Chlorpyriphos and Carbofuran) (Table-1). No sample found to have above FSSAI MRLs.

Table-1: Details of pesticides detected in Cucumber samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Shamshabad	PR/201903/07	Metalaxyl	Not Recommended	0.02	-
			Chlorpyriphos	Not Recommended	0.03	-
2	Shamshabad	PR/201903/08	Chlorpyriphos	Not Recommended	0.05	-
3	Shamshabad	PR/201903/09	Metalaxyl	Not Recommended	0.02	-
			Chlorpyriphos	Not Recommended	0.03	-
4	Shamshabad	PR/201903/10	Metalaxyl	Not Recommended	0.02	-
			Chlorpyriphos	Not Recommended	0.03	-
5	Mehidipatnam	PR/201903/61	Carbofuran	Not Recommended	0.07	-
6	Mehidipatnam	PR/201903/62	Carbofuran	Not Recommended	0.08	-
7	Mehidipatnam	PR/201903/63	Carbofuran	Not Recommended	0.07	-
8	Mehidipatnam	PR/201903/64	Carbofuran	Not Recommended	0.08	-
9	Mehidipatnam	PR/201903/65	Carbofuran	Not Recommended	0.07	-
10	Mehidipatnam	PR/201903/66	Carbofuran	Not Recommended	0.08	-
11	Mehidipatnam	PR/201903/67	Carbofuran	Not Recommended	0.08	-
12	Mehidipatnam	PR/201903/68	Carbofuran	Not Recommended	0.06	-
13	Mehidipatnam	PR/201903/69	Metalaxyl	Not Recommended	0.03	-
			Chlorpyriphos	Not Recommended	0.04	-
14	Mehidipatnam	PR/201903/70	Carbofuran	Not Recommended	0.07	-