

HOW SAFE ARE YOUR VEGGIES PROJECT

February, 2020

Twenty **vegetable (Cauli flower) samples** were collected randomly in the month of February, 2020 from the market in the area of Mehdipatnam.

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 Nineteen samples found contaminated with two pesticide residues (Table-1). No samples are found with pesticide above FSSAI MRLs.

Table-1: Details of pesticides detected in vegetable (Cauliflower) samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Mehdipatnam	LCN/PRA/20/02/0029	Acephate	Not-recommended	0.03	0.01
			Novaluron	Not-recommended	0.05	0.01
2	Mehdipatnam	LCN/PRA/20/02/0030	Acephate	Not-recommended	0.05	0.01
			Novaluron	Not-recommended	0.06	0.01
3	Mehdipatnam	LCN/PRA/20/02/0031	Novaluron	Not-recommended	0.04	0.01
4	Mehdipatnam	LCN/PRA/20/02/0033	Novaluron	Not-recommended	0.09	0.01
5	Mehdipatnam	LCN/PRA/20/02/0034	Novaluron	Not-recommended	0.05	0.01
6	Mehdipatnam	LCN/PRA/20/02/0035	Acephate	Not-recommended	0.11	0.01
			Novaluron	Not-recommended	0.12	0.01
7	Mehdipatnam	LCN/PRA/20/02/0036	Acephate	Not-recommended	0.04	0.01
			Novaluron	Not-recommended	0.03	0.01
8	Mehdipatnam	LCN/PRA/20/02/0037	Acephate	Not-recommended	0.08	0.01
			Novaluron	Not-recommended	0.06	0.01
			Abamectin	Not-recommended	0.08	0.01
9	Mehdipatnam	LCN/PRA/20/02/0038	Acephate	Not-recommended	0.03	0.01
			Novaluron	Not-recommended	0.06	0.01
10	Mehdipatnam	LCN/PRA/20/02/0039	Acephate	Not-recommended	0.02	0.01
			Novaluron	Not-recommended	0.05	0.01
11	Mehdipatnam	LCN/PRA/20/02/0040	Acephate	Not-recommended	0.03	0.01
			Novaluron	Not-recommended	0.08	0.01
12	Mehdipatnam	LCN/PRA/20/02/0041	Acephate	Not-recommended	0.03	0.01
			Novaluron	Not-recommended	0.05	0.01
13	Mehdipatnam	LCN/PRA/20/02/0042	Acephate	Not-recommended	0.10	0.01
			Novaluron	Not-recommended	0.12	0.01
14	Mehdipatnam	LCN/PRA/20/02/0043	Acephate	Not-recommended	0.11	0.01

			Novaluron	Not-recommended	0.12	0.01
15	Mehdipatnam	LCN/PRA/20/02/0044	Acephate	Not-recommended	0.07	0.01
			Novaluron	Not-recommended	0.14	0.01
16	Mehdipatnam	LCN/PRA/20/02/0045	Acephate	Not-recommended	0.09	0.01
			Novaluron	Not-recommended	0.11	0.01
17	Mehdipatnam	LCN/PRA/20/02/0046	Acephate	Not-recommended	0.04	0.01
18	Mehdipatnam	LCN/PRA/20/02/0047	Acephate	Not-recommended	0.04	0.01
			Novaluron	Not-recommended	0.09	0.01
19	Mehdipatnam	LCN/PRA/20/02/0048	Acephate	Not-recommended	0.08	0.01
			Novaluron	Not-recommended	0.10	0.01