

## HOW SAFE ARE YOUR VEGGIES PROJECT

September, 2020

Twenty **vegetable (Brinjal) samples** were collected randomly in the month of September, 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 Thirteen samples found contaminated with seven pesticide residues (Table-1). No samples are found with pesticide above FSSAI MRLs.

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

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Mehdipatnam	LCN/PRA/20/10/0022	Buprofezin	Not recommended	0.04	-
2	Mehdipatnam	LCN/PRA/20/10/0023	Buprofezin	Not recommended	0.10	-
3	Mehdipatnam	LCN/PRA/20/10/0024	Acephate	Not recommended	0.42	-
			Novaluron	Not recommended	0.05	-
4	Mehdipatnam	LCN/PRA/20/10/0028	Buprofezin	Not recommended	0.06	-
5	Mehdipatnam	LCN/PRA/20/10/0029	Buprofezin	Not recommended	0.04	-
6	Mehdipatnam	LCN/PRA/20/10/0030	Imidacloprid	Recommended	0.05	0.20
			Acetamiprid	Not recommended	0.04	-
			Thiocloprid	Recommended	0.04	0.70
7	Mehdipatnam	LCN/PRA/20/10/0032	Acephate	Not recommended	0.14	-
8	Mehdipatnam	LCN/PRA/20/10/0033	Acephate	Not recommended	0.10	-
9	Mehdipatnam	LCN/PRA/20/10/0035	Acephate	Not recommended	0.35	-
			Novaluron	Not recommended	0.04	-
10	Mehdipatnam	LCN/PRA/20/10/0036	Thiocloprid	Recommended	0.06	0.70
			Tebuconazole	Not recommended	0.09	-
11	Mehdipatnam	LCN/PRA/20/10/0037	Thiocloprid	Recommended	0.04	0.70
			Buprofezin	Not recommended	0.11	-
12	Mehdipatnam	LCN/PRA/20/10/0038	Buprofezin	Not recommended	0.07	-
13	Mehdipatnam	LCN/PRA/20/10/0040	Acephate	Not recommended	0.33	-
			Novaluron	Not recommended	0.04	-