

HOW SAFE ARE YOUR VEGGIES PROJECT

October, 2020

Twenty **vegetable (Brinjal) samples** were collected randomly in the month of September, 2020 from the market in the area of Gudimalkapur.

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 Seven samples found contaminated with four 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	Gudimalkapur	LCN/PRA/20/10/0096	Acephate	Not recommended	0.10	-
2	Gudimalkapur	LCN/PRA/20/10/0098	Acephate	Not recommended	0.09	-
			Bifenthrin	Not recommended	0.05	-
3	Gudimalkapur	LCN/PRA/20/10/0099	Acephate	Not recommended	0.26	-
4	Gudimalkapur	LCN/PRA/20/10/0102	Tebuconazole	Not recommended	0.06	-
5	Gudimalkapur	LCN/PRA/20/10/0103	Acephate	Not recommended	0.06	-
6	Gudimalkapur	LCN/PRA/20/10/0107	Acephate	Not recommended	0.23	-
			Chlorpyrifos	Recommended	0.03	0.2
7	Gudimalkapur	LCN/PRA/20/10/0110	Acephate	Not recommended	0.16	-