

HOW SAFE ARE YOUR VEGGIES PROJECT

November, 2019

Twenty **Beans samples** were collected randomly in the month of November, 2019 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 twelve samples found contaminated with seven (Carbendazim, Acetamiprid, Triazophos, Acephate, Pretilachlor, Bifenthrin and Fenpropathrin) pesticide residues (Table-1). No samples are found with pesticide above FSSAI MRLs.

Table-1: Details of pesticides detected in Beans samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Mehdipatnam	LCNPRA1911-0121	Carbendazim	Recommended	0.10	0.5
2	Mehdipatnam	LCNPRA1911-0122	Carbendazim	Recommended	0.08	0.5
3	Mehdipatnam	LCNPRA1911-0124	Carbendazim	Recommended	0.21	0.5
			Acetamiprid	Not-Recommended	0.03	-
4	Mehdipatnam	LCNPRA1911-0125	Carbendazim	Recommended	0.49	0.5
			Acetamiprid	Not-Recommended	0.11	-
			Triazophos	Not-Recommended	0.71	-
5	Mehdipatnam	LCNPRA1911-0126	Acephate	Not-Recommended	0.05	-
			Pretilachlor	Not-Recommended	0.05	-
6	Mehdipatnam	LCNPRA1911-0127	Acephate	Not-Recommended	0.05	-
			Pretilachlor	Not-Recommended	0.03	-
7	Mehdipatnam	LCNPRA1911-0128	Acephate	Not-Recommended	0.04	-
			Pretilachlor	Not-Recommended	0.05	-
8	Mehdipatnam	LCNPRA1911-0129	Pretilachlor	Not-Recommended	0.07	-
9	Mehdipatnam	LCNPRA1911-0130	Acephate	Not-Recommended	0.12	-
			Carbendazim	Recommended	0.04	0.5
10	Mehdipatnam	LCNPRA1911-0131	Pretilachlor	Not-Recommended	0.04	-
11	Mehdipatnam	LCNPRA1911-0134	Acephate	Not-Recommended	0.03	-
			Bifenthrin	Not-Recommended	0.03	-
			Fenpropathrin	Not-Recommended	0.03	-
12	Mehdipatnam	LCNPRA1911-0135	Pretilachlor	Not-Recommended	0.04	-