

## HOW SAFE ARE YOUR VEGGIES PROJECT

August, 2018

Twenty seven **Cabbage samples** were collected randomly in the month of August, 2018 from the markets in the areas of Shamshabad, Mehidipatnam and Dairy farm.

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 seven (27) samples analysed and five samples found contaminated with seven pesticide residues (Carbendazim, Metalaxyl, Captafol, Thiophanate methyl, Indoxacarb, Novaluron and Ethion) (Table-1). No sample found to have above FSSAI MRLs.

Table-1: Details of pesticides detected in Cabbage samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Shamshabad	Rs1/940/18-19	Carbendazim	Not-Recommended	0.05	0.5
2	Shamshabad	Rs1/942/18-19	Metalaxyl	Not-Recommended	0.04	-
3	Dairy farm	RS1/953/18-19	Captafol	Not-Recommended	0.70	-
4	Mehidipatnam	RS1/955/18-19	Thiophanate methyl	Not-Recommended	0.03	-
			Indoxacarb	Recommended	0.02	3
			Novaluron	Recommended	0.03	0.7
5	Mehidipatnam	RS1/960/18-19	Ethion	Not-Recommended	0.03	1