

HOW SAFE ARE YOUR VEGGIES PROJECT

July, 2018

Fifteen **Capsicum samples** were collected randomly in the month of July, 2018 from the markets in the areas of Mehidipatnam and Shamshabad.

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 Fifteen (15) samples analysed and all samples found contaminated with nine pesticide residues (Acephate, Carbendazim, Imidacloprid, Flusilazole, Tricyclazole, Fenpropathrin, Phenol,4-Bromo-2-Chloro, Bifenthrin and Thiophanate methyl)(Table-1). No sample found to have above FSSAI MRLs.

Table-1: Details of pesticides detected in Capsicum samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Mehidipatnam	Rs1/681/18-19	Acephate	Not-Recommended	0.11	-
			Carbendazim	Not-Recommended	0.03	0.5
			Imidacloprid	Not-Recommended	0.02	-
			Flusilazole	Not-Recommended	0.03	-
			Tricyclazole	Not-Recommended	0.06	-
			Fenpropathrin	Not-Recommended	0.03	-
2	Mehidipatnam	Rs1/682/18-19	Acephate	Not-Recommended	0.04	-
			Carbendazim	Not-Recommended	0.05	0.5
			Imidacloprid	Not-Recommended	0.02	
			Fenpropathrin	Not-Recommended	0.03	-
3	Mehidipatnam	RS1/683/18-19	Acephate	Not-Recommended	0.03	-
			Carbendazim	Not-Recommended	0.06	0.5
			Imidacloprid	Not-Recommended	0.02	-
			Tricyclazole	Not-Recommended	0.06	-
			Fenpropathrin	Not-Recommended	0.06	-
4	Mehidipatnam	RS1/684/18-19	Acephate	Not-Recommended	0.03	-
5	Mehidipatnam	RS1/685/18-19	Phenol,4-Bromo-2-Chloro	Not-Recommended	0.04	-
			Bifenthrin	Not-Recommended	0.03	
			Fenpropathrin	Not-Recommended	0.02	-
			Carbendazim	Not-Recommended	0.07	0.5

6	Shamshabad	RS1/729/18-19	Bifenthrin	Not-Recommended	0.03	-
7	Shamshabad	RS1/730/18-19	Imidacloprid	Not-Recommended	0.02	-
			Bifenthrin	Not-Recommended	0.09	-
8	Shamshabad	RS1/731/18-19	Carbendazim	Not-Recommended	0.02	0.5
			Imidacloprid	Not-Recommended	0.02	-
			Bifenthrin	Not-Recommended	0.09	-
9	Shamshabad	RS1/732/18-19	Bifenthrin	Not-Recommended	0.08	-
10	Shamshabad	RS1/733/18-19	Thiophanate methyl	Not-Recommended	0.03	-
			Bifenthrin	Not-Recommended	0.07	-
11	Shamshabad	RS1/734/18-19	Bifenthrin	Not-Recommended	0.07	-
12	Shamshabad	RS1/735/18-19	Bifenthrin	Not-Recommended	0.06	-
13	Shamshabad	RS1/736/18-19	Bifenthrin	Not-Recommended	0.07	-
14	Shamshabad	RS1/737/18-19	Bifenthrin	Not-Recommended	0.08	-
15	Shamshabad	RS1/738/18-19	Bifenthrin	Not-Recommended	0.08	-