

HOW SAFE ARE YOUR VEGGIES PROJECT

June, 2019

Twenty **Okra samples** were collected randomly in the month of June, 2019 from the markets in the areas of Alwal and Mehidipatnam.

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 (20) samples analysed and Fifteen samples found contaminated with four pesticide residues (Acetamiprid, Acephate, Carbendazim and Buprofezin) (Table-1). Four samples found to have above FSSAI MRLs.

Table-1: Details of pesticides detected in Okra samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Alwal	PR/201906/30	Acetamiprid	Recommended	0.14	0.1
2	Alwal	PR/201906/31	Acetamiprid	Recommended	0.13	0.1
3	Alwal	PR/201906/32	Acetamiprid	Recommended	0.11	0.1
4	Alwal	PR/201906/33	Acetamiprid	Recommended	0.09	0.1
5	Alwal	PR/201906/34	Acephate	Not-Recommended	0.08	-
			Acetamiprid	Recommended	0.04	0.1
6	Alwal	PR/201906/35	Acephate	Not-Recommended	0.05	-
			Carbendazim	Not-Recommended	0.06	0.5
7	Alwal	PR/201906/36	Acephate	Not-Recommended	0.12	-
			Acetamiprid	Recommended	0.06	0.1
8	Alwal	PR/201906/37	Acephate	Not-Recommended	0.12	-
			Acetamiprid	Recommended	0.05	0.1
9	Alwal	PR/201906/38	Acephate	Not-Recommended	0.10	-
			Acetamiprid	Recommended	0.05	0.1
10	Alwal	PR/201906/39	Acephate	Not-Recommended	0.13	-
			Acetamiprid	Recommended	0.06	0.1
11	Mehidipatnam	PR/201906/40	Carbendazim	Not-Recommended	0.05	0.5
12	Mehidipatnam	PR/201906/41	Carbendazim	Not-Recommended	0.05	0.5
13	Mehidipatnam	PR/201906/46	Carbendazim	Not-Recommended	0.06	0.5
14	Mehidipatnam	PR/201906/47	Carbendazim	Not-Recommended	0.05	0.5
			Buprofezin	Recommended	0.03	0.01
15	Mehidipatnam	PR/201906/48	Acephate	Not-Recommended	0.05	-
			Carbendazim	Not-Recommended	0.06	0.5