

## HOW SAFE ARE YOUR VEGGIES PROJECT

October, 2019

Twenty **Leafy vegetable (Amaranthus and Spinach) samples** were collected randomly in the month of October, 2019 from the market in the area of Uppal.

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 thirteen samples found contaminated with three pesticide residues (Table-1). No samples are found with pesticide above FSSAI MRLs.

Table-1: Details of pesticides detected in Leafy vegetable samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Uppal	PR/201910/114	Chlorantraniliprole	Not-Recommended	0.13	-
			Chlorpyrifos	Not-Recommended	0.08	-
			Profenofos	Not-Recommended	0.04	-
2	Uppal	PR/201910/115	Chlorantraniliprole	Not-Recommended	0.16	-
			Chlorpyrifos	Not-Recommended	0.03	-
3	Uppal	PR/201910/116	Chlorantraniliprole	Not-Recommended	0.17	-
			Chlorpyrifos	Not-Recommended	0.12	-
			Profenofos	Not-Recommended	0.05	-
4	Uppal	PR/201910/117	Chlorantraniliprole	Not-Recommended	0.13	-
5	Uppal	PR/201910/118	Chlorantraniliprole	Not-Recommended	0.12	-
			Chlorpyrifos	Not-Recommended	0.21	-
6	Uppal	PR/201910/119	Profenofos	Not-Recommended	0.07	-
7	Uppal	PR/201910/120	Chlorantraniliprole	Not-Recommended	0.04	-
8	Uppal	PR/201910/122	Chlorantraniliprole	Not-Recommended	0.03	-
9	Uppal	PR/201910/123	Chlorantraniliprole	Not-Recommended	0.04	-
10	Uppal	PR/201910/125	Chlorantraniliprole	Not-Recommended	0.05	-
11	Uppal	PR/201910/126	Chlorantraniliprole	Not-Recommended	0.06	-
12	Uppal	PR/201910/130	Chlorantraniliprole	Not-Recommended	0.05	-
13	Uppal	PR/201910/133	Chlorantraniliprole	Not-Recommended	0.04	-