

HOW SAFE ARE YOUR VEGGIES PROJECT

October, 2017

One hundred and fifty five (155) vegetable samples were collected randomly in the month of October, 2017 from the markets in the areas of Mehdiapatnam, Shamshabad, Upparapalli, Dairy farm, Hyderguda, Banjara hills of Hyderabad, Farmers's fields located around Hyderabad, Vijayawada and Bhubaneswar.

The samples were analysed for pesticide residues using validated method with confirmatory analysis on GC-MS/MS at 10 PPB (Parts per Billion) level.

Out of 155 samples analysed Eighteen (18) samples found contaminated with four pesticide residues (Table-1) and no sample is above FSSAI or CODEX MPLs.

Table -1: Details of pesticides detected in samples

Sl. No.	Collection Point	Sample	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)	Codex MRL (mg/kg)	Limit of Quantification (mg/kg)
1.	Vijayawada	Brinjal	Bifenthrin	Non recommended	0.01	NA	0.3	0.01
2.	Hyderabad	Capsicum	Chlorpyrifos	Non recommended	0.02	0.02	NA	0.01
3.	Banjara Hill, Hyderabad	Ridge Gourd	Triazophos	Non recommended	0.02	NA	NA	0.01
4.	Banjara Hill, Hyderabad	Spine Gourd	Triazophos	Non recommended	0.1	NA	NA	0.01
5.	Mehdiapatnum, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
6.	Mehdiapatnum, Hyderabad	Capsicum	Fenvelarate	Non recommended	0.32	NA	NA	0.01
7.	Mehdiapatnum, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
8.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.01	NA	NA	0.01
9.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
10.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
11.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
12.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
13.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.01	NA	NA	0.01
14.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
15.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.01	NA	NA	0.01
16.	Shamshabad, Hyderabad	Capsicum	Bifenthrin	Non recommended	0.03	NA	NA	0.01
17.	Upparapally Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01
18.	Upparapally Hyderabad	Capsicum	Bifenthrin	Non recommended	0.02	NA	NA	0.01