

## HOW SAFE ARE YOUR VEGGIES PROJECT

July, 2017

### BRINJAL

Fifty brinjal samples were collected randomly in the month of July, 2017 from the markets in the areas of Mehdiapatnam, Shamshabad and Gudimalkapur.

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.

Out of 50 samples analyzed, seven samples were found contaminated with 4 pesticide residues (Table-1) and one sample contains pesticide residue above FSSAI MRL (Table-2)

**Table-1:** Details of pesticides detected in brinjal samples

S. No.	Name of the Pesticide	Recommended/ Non-Recommended	Name of the Formulations	FSSAI MRL mg/kg	Codex MRL mg/kg
1	Bifenthrin	Non-Recommended	-	NA	0.30
2	Chlorantraniliprole	Recommended	18.5% SC	0.03	NA
3	Acetamiprid	Non-Recommended	-	NA	NA
4	Thiacloprid	Recommended	21.7% SC	0.30	0.70

\* NA – Not Available

**Table-2:** Details of brinjal sample which is above MRL

S. No	Samples Collection Point	Name of the Pesticide	Residues mg/kg	FSSAI MRL mg/kg	Codex MRL mg/kg
1	Gudimalkapur, Hyderabad	Chlorantraniliprole	0.20	0.03	NA

\* NA – Not Available