

HOW SAFE ARE YOUR VEGGIES PROJECT

August, 2020

Twenty **vegetable (Brinjal) samples** were collected randomly in the month of August, 2020 from the market in the area of Mehdiapatnam.

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

Table-1: Details of pesticides detected in vegetable (Brinjal) samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)
1	Mehdiapatnam	LCN/PRA/20/08/0095	Chlorantraniliprole	Recommended	0.06	0.60
			Azoxystrobin	Not-Recommended	1.02	-
			Tebuconazole	Not-Recommended	0.99	-
			Buprofezin	Not-Recommended	0.74	-
2	Mehdiapatnam	LCN/PRA/20/08/0096	Chlorantraniliprole	Recommended	0.10	0.60
			Tebuconazole	Not-Recommended	0.04	-
			Buprofezin	Not-Recommended	0.10	-
3	Mehdiapatnam	LCN/PRA/20/08/0097	Chlorantraniliprole	Recommended	0.53	0.60
			Azoxystrobin	Not-Recommended	0.45	-
			Tebuconazole	Not-Recommended	0.51	-
			Buprofezin	Not-Recommended	0.61	-
4	Mehdiapatnam	LCN/PRA/20/08/0098	Chlorantraniliprole	Recommended	0.45	0.60
			Azoxystrobin	Not-Recommended	0.27	-
			Tebuconazole	Not-Recommended	0.17	-
			Buprofezin	Not-Recommended	0.36	-
			Cypermethrin	Recommended	0.21	0.20
5	Mehdiapatnam	LCN/PRA/20/08/0099	Chlorantraniliprole	Recommended	0.08	0.60
			Azoxystrobin	Not-Recommended	0.11	-
			Tebuconazole	Not-Recommended	0.16	-
			Buprofezin	Not-Recommended	0.17	-
6	Mehdiapatnam	LCN/PRA/20/08/0100	Chlorantraniliprole	Recommended	0.27	0.60
			Azoxystrobin	Not-Recommended	0.20	-
			Tebuconazole	Not-Recommended	0.19	-
			Buprofezin	Not-Recommended	0.35	-
7	Mehdiapatnam	LCN/PRA/20/08/0101	Chlorantraniliprole	Recommended	0.12	0.60

			Azoxystrobin	Not-Recommended	9.86	-
			Tebuconazole	Not-Recommended	3.75	-
			Buprofezin	Not-Recommended	0.58	-
8	Mehdipatnam	LCN/PRA/20/08/0102	Azoxystrobin	Not-Recommended	0.77	-
			Tebuconazole	Not-Recommended	0.13	-
			Buprofezin	Not-Recommended	0.12	-
			Cypermethrin	Recommended	0.21	0.20
9	Mehdipatnam	LCN/PRA/20/08/0103	Buprofezin	Not-Recommended	0.12	-
10	Mehdipatnam	LCN/PRA/20/08/0104	Azoxystrobin	Not-Recommended	0.27	-
			Tebuconazole	Not-Recommended	0.28	-
			Buprofezin	Not-Recommended	0.21	-
11	Mehdipatnam	LCN/PRA/20/08/0105	Azoxystrobin	Not-Recommended	0.29	-
			Tebuconazole	Not-Recommended	0.21	-
			Buprofezin	Not-Recommended	0.06	-
12	Mehdipatnam	LCN/PRA/20/08/0107	Buprofezin	Not-Recommended	0.09	-
13	Mehdipatnam	LCN/PRA/20/08/0108	Azoxystrobin	Not-Recommended	0.96	-
			Tebuconazole	Not-Recommended	0.22	-
			Buprofezin	Not-Recommended	0.31	-
14	Mehdipatnam	LCN/PRA/20/08/0109	Azoxystrobin	Not-Recommended	0.07	-
			Tebuconazole	Not-Recommended	0.05	-
15	Mehdipatnam	LCN/PRA/20/08/0111	Azoxystrobin	Not-Recommended	0.45	-
			Tebuconazole	Not-Recommended	0.26	-
			Buprofezin	Not-Recommended	0.14	-
16	Mehdipatnam	LCN/PRA/20/08/0112	Chlorantraniliprole	Recommended	0.96	0.60
			Azoxystrobin	Not-Recommended	0.41	-
			Tebuconazole	Not-Recommended	0.36	-
			Buprofezin	Not-Recommended	0.42	-