

HOW SAFE ARE YOUR VEGGIES PROJECT

June, 2018

Twenty **Capsicum samples** were collected randomly in the month of June, 2018 from the markets in the areas of Shamshabad and Hyderabad market.

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 all samples found contaminated with nine pesticides residues (Acephate, Azoxystrobin, Difenconazole, Carbendazim, Imidacloprid, Dimethoate, Fenpyroximate, Tebuconazole and Thiophanate methyl)(Table-1). No sample found to have above FSSAI and CODEX MRLs.

Table-1: Details of pesticides detected in Capsicum samples

Sl. No.	Collection Point	Sample code	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)	Codex MRL (mg/kg)
1	Shamshabad	RS1/485/18-19	Acephate	Not-Recommended	0.20	-	-
			Carbendazim	Not-Recommended	0.06	0.50	-
			Imidacloprid	Not-Recommended	0.08	-	-
			Dimethoate	Not-Recommended	0.15	2.00	-
			Fenpyroximate	Not-Recommended	0.05	-	-
2	Shamshabad	RS1/486/18-19	Acephate	Not-Recommended	0.50	-	-
			Carbendazim	Not-Recommended	0.11	0.50	-
			Dimethoate	Not-Recommended	0.22	2.00	-
			Fenpyroximate	Not-Recommended	0.04	-	-
3	Shamshabad	RS1/487/18-19	Acephate	Not-Recommended	0.10	-	-
			Dimethoate	Not-Recommended	0.14	2.00	-
			Carbendazim	Not-Recommended	0.06	0.50	-
			Fenpyroximate	Not-Recommended	0.04	-	-
			Imidacloprid	Not-Recommended	0.08	-	-
4	Shamshabad	RS1/488/18-19	Acephate	Not-Recommended	0.42	-	-
			Carbendazim	Not-Recommended	0.11	0.50	-
			Dimethoate	Not-Recommended	0.24	2.00	-
			Fenpyroximate	Not-Recommended	0.03	-	-
5	Shamshabad	RS1/489/18-19	Acephate	Not-Recommended	0.46	-	-
			Carbendazim	Not-Recommended	0.10	0.50	-

			Dimethoate	Not-Recommended	0.24	2.00	-
			Fenpyroximate	Not-Recommended	0.04	-	-
6	Shamshabad	RS1/490/18-19	Acephate	Not-Recommended	0.34	-	-
			Carbendazim	Not-Recommended	0.10	0.50	-
			Dimethoate	Not-Recommended	0.26	2.00	-
			Fenpyroximate	Not-Recommended	0.03	-	-
7	Shamshabad	RS1/491/18-19	Acephate	Not-Recommended	0.24	-	-
			Carbendazim	Not-Recommended	0.10	0.50	-
			Dimethoate	Not-Recommended	0.24	2.00	-
			Fenpyroximate	Not-Recommended	0.05	-	-
8	Shamshabad	RS1/492/18-19	Acephate	Not-Recommended	0.29	-	-
			Carbendazim	Not-Recommended	0.13	0.50	-
			Dimethoate	Not-Recommended	0.24	2.00	-
			Fenpyroximate	Not-Recommended	0.05	-	-
9	Shamshabad	RS1/493/18-19	Acephate	Not-Recommended	0.28	-	-
			Carbendazim	Not-Recommended	0.13	0.50	-
			Dimethoate	Not-Recommended	0.29	2.00	-
			Fenpyroximate	Not-Recommended	0.04	-	-
10	Shamshabad	RS1/494/18-19	Acephate	Not-Recommended	0.56	-	-
			Carbendazim	Not-Recommended	0.13	0.50	-
			Dimethoate	Not-Recommended	0.26	2.00	-
			Fenpyroximate	Not-Recommended	0.04	-	-
11	Shamshabad	RS1/495/18-19	Acephate	Not-Recommended	0.21	-	-
			Carbendazim	Not-Recommended	0.08	0.50	-
			Dimethoate	Not-Recommended	0.10	2.00	-
			Fenpyroximate	Not-Recommended	0.01	-	-
12	Shamshabad	RS1/496/18-19	Acephate	Not-Recommended	0.41	-	-
			Carbendazim	Not-Recommended	0.11	0.50	-
			Dimethoate	Not-Recommended	0.22	2.00	-
			Fenpyroximate	Not-Recommended	0.04	-	-
13	Shamshabad	RS1/497/18-19	Acephate	Not-Recommended	0.41	-	-
			Carbendazim	Not-Recommended	0.06	0.50	-
			Dimethoate	Not-Recommended	0.13	2.00	-
			Fenpyroximate	Not-Recommended	0.01	-	-
14	Shamshabad	RS1/498/18-19	Acephate	Not-Recommended	0.53	-	-
			Carbendazim	Not-Recommended	0.17	0.50	-

			Dimethoate	Not-Recommended	0.43	2.00	-
			Fenpyroximate	Not-Recommended	0.06	-	-
15	Shamshabad	RS1/499/18-19	Acephate	Not-Recommended	0.59	-	-
			Carbendazim	Not-Recommended	0.18	0.50	-
			Dimethoate	Not-Recommended	0.45	2.00	-
			Fenpyroximate	Not-Recommended	0.06	-	-
16	Hyderabad	RS1/505/18-19	Carbendazim	Not-Recommended	0.15	0.50	-
			Thiophanate methyl	Not-Recommended	0.14	-	-
			Tebuconazole	Not-Recommended	0.07	-	-
17	Hyderabad	RS1/506/18-19	Thiophanate methyl	Not-Recommended	0.14	-	-
			Tebuconazole	Not-Recommended	0.09	-	-
			Difenconazole	Not-Recommended	0.05	-	-
18	Hyderabad	RS1/507/18-19	Carbendazim	Not-Recommended	0.04	0.50	-
			Imidacloprid	Not-Recommended	0.86	-	-
19	Hyderabad	RS1/508/18-19	Acephate	Not-Recommended	0.22	-	-
			Imidacloprid	Not-Recommended	0.50	-	-
			Dimethoate	Not-Recommended	0.03	2.00	-
20	Hyderabad	RS1/509/18-19	Acephate	Not-Recommended	0.40	-	-
			Imidacloprid	Not-Recommended	0.13	-	-
			Dimethoate	Not-Recommended	0.06	2.00	-
			Azoxystrobin	Not-Recommended	0.02	-	5.00