

## HOW SAFE IS YOUR FOOD FROM FARM PROJECT

**August, 2021**

Fifteen Vegetables (**Tomato**) & Fifteen Fruits (**Apple**) samples were collected randomly in the month of **August, 2021** from the market in the area of Kothapeta.

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 Thirty (30) samples analysed and Twenty samples found contaminated with pesticide residues. Five samples were found with one pesticide above FSSAI MRLS.

Table-1: Details of pesticides detected in Tomato & Apple samples

Sl. No.	Collection Point	Sample code	Pesticides detected	Recommended/ Non recommended	Residues mg/kg	FSSAI MRL mg/kg
1	Kothapeta	MLCN/PRA/21/08/0021	Acephate	Not -recommended	0.10	-
2	Kothapeta	MLCN/PRA/21/08/0022	Cypermethrin	Not -recommended	0.08	-
3	Kothapeta	MLCN/PRA/21/08/0023	Acephate	Not -recommended	0.10	-
			Bifenthrin	Recommended	0.06	-
4	Kothapeta	MLCN/PRA/21/08/0024	Difenoconazole	Recommended	0.03	0.20
5	Kothapeta	MLCN/PRA/21/08/0025	Pretilachlor	Not -recommended	0.03	-
			Cypermethrin	Not -recommended	0.09	-
6	Kothapeta	MLCN/PRA/21/08/0026	Cypermethrin	Not -recommended	0.08	-
7	Kothapeta	MLCN/PRA/21/08/0028	Acephate	Not -recommended	0.11	-
			Pretilachlor	Not -recommended	0.09	-
8	Kothapeta	MLCN/PRA/21/08/0029	Difenoconazole	Recommended	0.03	0.20
9	Kothapeta	MLCN/PRA/21/08/0030	Acephate	Not -recommended	0.12	-
			Difenoconazole	Recommended	0.04	0.20
			Bifenthrin	Recommended	0.06	-
10	Kothapeta	MLCN/PRA/21/08/0031	Acephate	Not -recommended	0.13	-
			Difenoconazole	Recommended	0.04	0.20
			Bifenthrin	Recommended	0.10	-
11	Kothapeta	MLCN/PRA/21/08/0033	Difenoconazole	Recommended	0.03	0.20
			Bifenthrin	Recommended	0.05	-
12	Kothapeta	MLCN/PRA/21/08/0035	Acephate	Not -recommended	0.05	-
13	Kothapeta	MLCN/PRA/21/08/0037	Tebuconazole	Recommended	0.10	1.00
14	Kothapeta	MLCN/PRA/21/08/0039	Tebuconazole	Recommended	0.09	1.00
15	Kothapeta	MLCN/PRA/21/08/0040	Tebuconazole	Recommended	0.10	1.00
16	Kothapeta	MLCN/PRA/21/08/0042	<b>Difenoconazole</b>	<b>Recommended</b>	<b>0.11</b>	<b>0.01</b>
17	Kothapeta	MLCN/PRA/21/08/0045	<b>Difenoconazole</b>	<b>Recommended</b>	<b>0.15</b>	<b>0.01</b>

18	Kothapeta	MLCN/PRA/21/08/0046	<b>Difenoconazole</b>	<b>Recommended</b>	<b>0.12</b>	<b>0.01</b>
19	Kothapeta	MLCN/PRA/21/08/0047	<b>Difenoconazole</b>	<b>Recommended</b>	<b>0.11</b>	<b>0.01</b>
20	Kothapeta	MLCN/PRA/21/08/0049	<b>Difenoconazole</b>	<b>Recommended</b>	<b>0.16</b>	<b>0.01</b>
			Tebuconazole	Recommended	0.05	1.00

Note: MRL- Maximum Residue Limit