

Summary of Monitoring of Pesticide Residues at National Level

The Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India in collaboration with Indian Agriculture Research Institute, New Delhi under All India Network Project on Pesticide Residues has been implementing a project on “Monitoring of pesticide residues at National level” during the period from April 2008 to March 2009. Samples of vegetables, fruits, spices, pulses, cereals, milk and milk products, fish, tea, honey, meat, animal feed and ground water were collected in different parts of the country and analysed at 20 participating laboratories located at different regions for identifying the presence of various pesticide residues.

1. **Anand Agricultural University, Anand, Gujarat**
2. **Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani, West Bengal**
3. **Kerala Agricultural University, Vellayani, Kerala**
4. **Punjab Agricultural University, Ludhiana, Punjab**
5. **Tamil Nadu Agricultural University, Tamil Nadu**
6. **The Marine Products Export Development Authority, Kochi, Kerala**
7. **Regional Plant Quarantine Station, Mumbai, Maharashtra**
8. **Dr. Y S Parmar University of Horticulture and Apiculture, Solan, Himachal Pradesh**
9. **Indian Institute of Horticultural Research, Bangalore, Karnataka**
10. **Institute of Pesticide Formulation Technology, Gurgaon, Haryana**
11. **Rajasthan Agricultural University, Jaipur, Rajasthan**
12. **National Institute of Occupational Health, Ahmedabad, Gujarat**
13. **Western Regional Referral Laboratory, Mumbai, Maharashtra**
14. **Indian Institute of Toxicological Research, Lucknow, Uttar Pradesh**
15. **Acharya NG.Ranga Agricultural University, Hyderabad, Andhra Pradesh**
16. **Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra**
17. **Regional Plant Quarantine Station, Chennai, Tamil Nadu**
18. **Project Coordinating Cell, AINPPR, IARI, New Delhi**
19. **National Environmental Engineering Institute, Nagpur, Maharashtra**
20. **Central Pollution Control Board, Delhi**

A summary of the findings exhibiting the food Commodities with pesticide residue content above Maximum Residue Limit (PFA/ CODEX) is included to create awareness among farmers, consumers, Food Business Operators and other stakeholders.

Sample	Pesticide Residue Detected	State	Collection Point	Sample origin/Growing area	Maximum Residue Limit (mg/kg)		Residue content found	Above MRL (mg/kg)	
					PFA	CODEX		PFA	CODEX
1. Anand Agricultural University, Gujarat									
Vegetable									
Cauliflower	Chlorpyriphos	Gujarat	Anand	Nasik	0.01	0.05	0.013-0.025	Yes	No
	Chlorpyriphos		Anand	Local	0.01	0.05	0.011	Yes	No
	Chlorpyriphos		Vadodara	Nasik	0.01	0.05	0.074-0.099	Yes	No
	Chlorpyriphos		Vadodara	Navli, Padra	0.01	0.05	0.038	Yes	No
	Chlorpyriphos		Surat	Nasik	0.01	0.05	0.249	Yes	Yes
	Chlorpyriphos		Surat	Surat local, Nasik, Navli	0.01	0.05	0.010	Yes	No
Cabbage	Monocrotophos		Surat	Surat	0.20	-	0.209	Yes	No
	Chlorpyriphos		Vadodara	Vadodara	0.01	1.00	0.030	Yes	No
Okra	Monocrotophos		Vadodara	Padra	0.20	-	0.222	Yes	-
	Monocrotophos		Anand	Asodar, Ajarpura, Navli, Chaklasi	0.20	-	0.305	Yes	-
Cereals									
Wheat	Chlorpyriphos		Anand	NA	0.05	0.50	0.054	Yes	No
Rice	Chlorpyriphos		Anand	NA	0.05	0.50	0.077	Yes	No
1. Bidhan Chandra Krishi Viswavidyalaya, Kalyani, West Bengal									
Vegetable									
Cabbage	Cypermethrin	West Bengal	Barasat, 24 Paraganas (N)	Basirhat, Amdanga	2.00	-	3.910	Yes	-
Cauliflower	Chlorpyriphos		Chakdah, Naida	Shimurali	0.01	0.05	0.090-0.130	Yes	Yes
Brinjal	Cypermethrin		Barasat, 24 Paraganas (N)	Basirhat, Amdanga	0.20	0.07	0.100	No	Yes
Fish	Endosulfan-T		Chakdah, Naida	Chakdah	0.20	-	0.420	Yes	-
Cereals									

Wheat	Fenitrothion		Chakdah, Naida	Maldah, Dinajpur	0.02	6.00	0.140	Yes	No
Tea	Fenpropathrin		Kalyani, Nadia	Assam	-	2.00	4.280	-	Yes
3. Deptt. of Entomology, College of Agriculture, KAU, Vellayani									
Vegetables		Kerala							
Cauliflower	Chlorpyrifos		Trivandrum	Ooty	0.01	0.05	0.029	Yes	-
Spices									
Cardamom	Quinalphos		Trivandrum	Idukki	0.01	-	0.061-0.394	Yes	-
			Idukki	Idukki	0.01	-	0.040-0.179	Yes	-
			Pampadumpara	Idukki	0.01	-	0.150-0.250	Yes	-
Cereals									
Wheat	Phorate		Trivandrum	Punjab	-	-	0.054-0.502	Yes	
4. Punjab Agricultural University, Ludhiana									
Vegetables									
Cauliflower	Chlorpyrifos	Punjab	Amritsar	Parahdiwal	0.01	0.05	0.080	Yes	-
	Chlorpyrifos		Patiala	Saour	0.01	0.05	1.17	Yes	Yes
Cabbage	Chlorpyrifos		Ludhiana	Shimla	0.01	1.00	0.080	Yes	No
5. Deptt. of Agricultural Entomology, TNAU, Coimbatore									
Vegetables									
Cauliflower	Chlorpyrifos	Tamil Nadu	Coimbatore	Coimbatore	0.01	0.05	0.029	Yes	-
Spices									
Cardamom	Dichlorvos		Coimbatore	Kambum	-	-	0.170	-	-
6. Quality Control Laboratory, MPEDA, Kochi									
						No sample is detected with pesticide residue above MRL			
7. Regional Plant Quarantine Station, Mumbai									
Vegetable									
Okra	Monocrotophos	Maharashtra	Vile Parle	NA	0.20	-	0.277	Yes	-
8. Deptt. of Entomology & Apiculture, Dr. YSPUH&F, Solan									
Vegetable									
Tomato	Chlorpyrifos	Himachal Pradesh	Hamirpur	HP	0.20	0.50	0.280-0.334	Yes	-
Mushroom	Chlorpyrifos		Solan	HP	0.20	-	0.350	Yes	-
Brinjal	Chlorpyrifos		Hamirpur	HP	0.20	-	0.234	Yes	-
Cabbage	Chlorpyrifos		Hamirpur	HP	0.01	1.00	0.040	Yes	No
Okra	Cypermethrin		Solan	HP	0.20	0.50	0.310	Yes	No
	Chlorpyrifos		Solan	HP	0.20	-	0.450	Yes	-
Capsicum	Cypermethrin		Hamirpur	HP	-	0.07	0.212-0.280		Yes

9. Indian Institute of Horticulture Research, Bangalore									
Fruit									
Grapes	Cypermethrin	Karnataka	Madiwala	Sangli	-	0.20	0.20	-	Yes
Cereals									
Wheat	Triazophos	Karnataka	Jakkur	Not known	-	0.05	0.050	-	Yes
	Triazophos	Karnataka	Yelahanka	Not known	-	0.05	0.060	-	Yes
	Triazophos	Karnataka	Hessaraghatta	Not known	-		0.057	-	Yes
	Fenitrothion	Karnataka	Dibbur	Not known	0.02	6.0	0.030	Yes	No
Rice	Quinalphos	Karnataka	Dibbur	Not known	0.01	-	0.081	Yes	-
	Quinalphos	Karnataka	Ivarakandapura	Not known	0.01	-	0.070	Yes	-
10. Institute of Pesticide Formulation Technology, Gurgaon, Haryana									
Vegetable									
Okra	Monocrotophos	Haryana	Panipat, APMC	Panipat	0.20	-	1.046	Yes	-
	Cypermethrin		Sonipat, APMC	Sonipat	0.20	0.5	0.430	Yes	No
Brinjal	Cypermethrin		Karnal, APMC	Karnal	0.20	0.03	0.145	No	Yes
Fruits									
Apple	Cyfluthrin-Beta		Sonipat, APMC	Himachal Pradesh	-	0.1	0.256	-	Yes
Grapes	Cypermethrin		Panipat, APMC	Nasik	-	0.2	0.220	No	Yes
Cereals									
Rice	Dichlorvas/DDVP		Sonipat, PDS	Sonipat	1.0	5.00	1.718	Yes	No
11. Rajasthan Agricultural University, Jaipur									
Vegetables									
Cauliflower	Chlorpyriphos	Rajasthan	Jaipur	Jaipur	0.01	0.05	0.0243	Yes	No
Cabbage	Chlorpyriphos		Jaipur	Jamva Ramgarh	0.01	1.00	0.083	Yes	No
Cereals									
Wheat	Chlorpyriphos		Jaipur	Jaipur	0.05	0.50	0.199	Yes	No
12. Pesticide Toxicology Division, NIOH, Ahmedabad									
Vegetable									
Cauliflower	Chlorpyriphos	Gujarat	Ahmedabad	Prantij	0.01	0.05	0.030	Yes	No
	Chlorpyriphos		Ahmedabad	Indore, Nasik, Shimla	0.01	0.05	0.150	Yes	Yes
	Chlorpyriphos		Ahmedabad	Indore, Nasik,	0.01	0.05	0.120	Yes	No

				Bangalore, Shimla					
	Chlorpyrifos		Rajkot	Nasik, Morbi	0.01	0.05	0.160	Yes	Yes
	Chlorpyrifos		Rajkot	Shimla, Halwad, Patan, Nasik	0.01	0.05	0.010	Yes	No
	Chlorpyrifos		Bhuj	Nasik	0.01	0.05	0.140	Yes	No
Milk	HCH-D		Ahmedabad	Amul Brand	0.02	-	0.050	Yes	-
	HCH-D		Ahmedabad	Amul Brand	0.02	-	0.330	Yes	-
	HCH-A		Ahmedabad	Amul Brand	0.05	-	0.020	Yes	-
	HCH-A		Ahmedabad	Amul Brand	0.05	-	0.080	Yes	-
	HCH-B		Ahmedabad	Amul Brand	0.02	-	0.020	Yes	-
	Chlorpyrifos		Ahmedabad	Amul Brand	0.01	0.02	2.360	Yes	Yes
Butter	Chlorpyrifos		Ahmedabad	Amul Brand	0.01	-	0.010	Yes	No
13. Western Region Referral Laboratory, Deptt. of Veterinary Public Health, Parel, Mumbai									
Meat									
Poultry	Chlorpyrifos		East Mumbai	Taloja	0.10	0.01	0.500	Yes	Yes
	Chlorpyrifos		Central Mumbai	Andheri	0.10	0.01	0.550	Yes	Yes
	Chlorpyrifos		South Mumbai	Elphinstone	0.10	0.01	0.550	Yes	Yes
	Chlorpyrifos		South Mumbai	Sewari	0.10	0.01	0.500	Yes	Yes
	Endosulfan-T		Central Mumbai	Sion	-	0.03	0.600	-	Yes
	Endosulfan-T		East Mumbai	Nerul	-	0.03	0.650	-	Yes
	Lindane		South Mumbai	Crawford Market	2.00	0.05	0.700	No	Yes
Pork	Endosulfan-T		East Mumbai	Taloja	-	0.2	0.500	-	Yes
	Cypermethrin		South Mumbai	Byculla	0.20	2.0	3.050	Yes	Yes
14. Indian Institute Toxicological Research, Lucknow									
Vegetables		Uttar Pradesh							
Cauliflower	Aldrin		Faizabad	Faizabad	0.10	-	0.420	Yes	-
	Aldrin		Allahabad	Allahabad	0.10	-	0.143	Yes	-
	Aldrin		Faizabad	Faizabad	0.10	-	0.179	Yes	-
	Chlorpyrifos		Faizabad	Faizabad	0.01	0.05	0.098	Yes	Yes
	Chlorpyrifos		Faizabad	Faizabad	0.01	0.05	0.246	Yes	Yes
	Chlorpyrifos		Gorakpur	Gorakpur	0.01	0.05	0.044	Yes	No
	Chlorfenvinfos		Faizabad	Faizabad	0.05	-	0.170	Yes	-
	Dichlorvos		Faizabad	Faizabad	0.15	-	0.158	Yes	-

	Dichlorvos		Gorakpur	Gorakpur	0.15	-	0.380	Yes	-
	Phorate		Faizabad	Faizabad	0.05	-	0.050	Yes	-
Brinjal	Aldrin		Faizabad	Faizabad	0.10	-	0.143	Yes	-
	Heptachlor		Allahabad	Allahabad	0.05	-	0.480	Yes	-
Cabbage	Chlordane		Faizabad	Faizabad	0.20	0.02	0.197	No	Yes
	Chlorpyrifos		Faizabad	Faizabad	0.01	1.00	0.166	Yes	No
	Chlorpyrifos		Allahabad	Allahabad	0.01	1.00	0.045	Yes	No
	Chlorpyrifos		Gorakpur	Gorakpur	0.01	1.00	0.022	Yes	No
	Chlorpyrifos		Gorakpur	Gorakpur	0.01	1.00	0.042	Yes	No
	Chlorfenvinfos		Allahabad	Allahabad	0.05	-	0.106	Yes	-
	Chlorfenvinfos		Faizabad	Faizabad	0.05	-	0.073	Yes	-
Bitter Gourd	Monocrotophos		Faizabad	Faizabad	0.20	-	0.898	Yes	-
	Chlorfenvinfos		Faizabad	Faizabad	0.05	-	0.396	Yes	-
	Chlorfenvinfos		Gorakpur	Gorakpur	0.05	-	0.124	Yes	-
Tomato	Aldrin		Faizabad	Faizabad	0.10	0.1	0.125	Yes	-
	Aldrin		Faizabad	Faizabad	0.10	0.1	0.417	Yes	-
	Chlorfenvinfos		Gorakpur	Gorakpur	0.05	-	0.109	Yes	-
	Heptachlor		Faizabad	Faizabad	0.05	-	0.051	Yes	-
	Heptachlor		Gorakpur	Gorakpur	0.05	-	0.187	Yes	-
	Lindane		Gorakpur	Gorakpur	1.00	-	1.212	Yes	-
	DDT-T		Allahabad	Allahabad	0.001	-	0.108	Yes	-
Okra	Heptachlor		Faizabad	Faizabad	0.05	-	0.051	Yes	-
	Heptachlor		Gorakpur	Gorakpur	0.05	-	0.054	Yes	-
Fruit									
Banana	Aldrin		Faizabad	NA	0.10		0.253	Yes	-
	Aldrin		Faizabad	NA	0.10		0.114	Yes	-
	Chlordane		Gorakhpur	NA	0.10	0.02	0.154	Yes	Yes
Apple	Aldrin		Allahabad	NA	0.10	0.1	0.104	Yes	Yes
	Aldrin		Gorakhpur	NA	0.10	0.1	0.112	Yes	Yes
	Aldrin		Faizabad	NA	0.10	0.1	0.067	No	-
	Aldrin		Faizabad	NA	0.10	0.1	0.440	Yes	Yes
	Chlordane		Gorakhpur	NA	0.10	0.1	0.154	Yes	Yes
	Chlordane		Gorakhpur	NA	0.10	0.1	0.927	Yes	Yes
Orange	Monocrotophos		Faizabad	NA	0.20	0.1	0.413	Yes	-
Cereals									
Wheat	Aldrin		Gorakhpur	Gorakhpur	0.01	0.02	0.319	Yes	Yes
	Aldrin		Gorakhpur	Gorakhpur	0.01	0.02	2.199	Yes	Yes

	Aldrin		Faizabad	Faizabad	0.01	0.02	0.538	Yes	Yes
	Phorate		Allahabad	Allahabad	0.05	-	0.055	Yes	-
	Chlorfenvinfos		Faizabad	Faizabad	0.025	-	0.185	Yes	-
	Chlorfenvinfos		Faizabad	Faizabad	0.025	-	0.304	Yes	-
Rice	Heptachlor		Gorakhpur	Gorakhpur	0.01	0.02	0.050	Yes	Yes
	Chlorfenvinfos		Faizabad	Faizabad	0.025	-	0.356	Yes	-
	Ethion		Faizabad	Faizabad	0.025	-	0.034	Yes	-
Milk	Aldrin		Allahabad	Allahabad	0.15	0.006	0.011	No	Yes
	Aldrin		Faizabad	Faizabad	0.15	0.006	0.088	No	Yes
	Heptachlor		Faizabad	Faizabad	0.15	0.006	0.279	Yes	Yes
	Heptachlor		Gorakhpur	Gorakhpur	0.15	0.006	0.210	Yes	Yes
	Heptachlor		Allahabad	Allahabad	0.15	0.006	0.611	Yes	Yes
	HCH-A		Faizabad	Faizabad	0.05	-	0.245	Yes	-
	HCH-B		Faizabad	Faizabad	0.02	-	0.030	Yes	-
Butter	Heptachlor		Faizabad	Faizabad	0.15	-	0.510	Yes	-
	Heptachlor		Gorakhpur	Gorakhpur	0.15	-	0.272	Yes	-
	Heptachlor		Allahabad	Allahabad	0.15	-	0.265	Yes	-
	Endosulfan-T		Gorakhpur	Gorakhpur		-	0.806	No	-
15. ANGR Agricultural University, Hyderabad									
Vegetables		Andhra Pradesh							
Tomato	Cyfluthrin-Beta		Nandyal market	Nandyal	-	0.20	0.219	-	Yes
Cabbage	Chlorpyriphos		Anakapalli Market	Anakapalli	0.01	1.00	0.050	Yes	-
Milk	HCH-D		Hyderabad	Hyderabad	0.02	-	0.020	Yes	-
	Endosulfan-T		Hyderabad	Hyderabad	-	0.01	0.010	-	Yes
	Endosulfan		Hyderabad	Hyderabad	-	0.01	0.010	-	Yes
16. Deptt. of Agricultural Entomology, MPKV Rahuri, Maharashtra									
Vegetables									
Cauliflower	Phorate	Maharashtra	Ahmednagar, APMC	Tisgaon	0.05	-	0.050	Yes	-
	Chlorpyriphos		Sangammer, APMC	Nimgaon	0.01	0.05	0.032	Yes	No
Cabbage	Dimethoate		Nashik, APMC	Sinner	2.00	0.05	0.580	No	Yes
17. Regional Plant Quarantine Station, Chennai									
Vegetables									

Okra	Dichlorvos	Tamil Nadu	Chennai	NA	0.15	-	0.170	Yes	-
	Aldrin		Kancheepuram	Kancheepuram	0.10	0.10	0.236	Yes	Yes
	Chlorpyrifos		Thiruvallur	Thiruvallur	0.20	-	0.322	Yes	-
	Chlorpyrifos		Chennai	NA	0.20	-	0.955	Yes	-
Cabbage	Dichlorvos		Kancheepuram	Kancheepuram	0.15	-	0.154	Yes	-
	Dichlorvos		Chennai	NA	0.15	-	0.150-0.390	Yes	-
	HCH-B		Chennai	NA	1.00	-	1.000-1.250	Yes	-
	HCH-B		Thiruvallur	Thiruvallur	1.00	-	1.380-1.560	Yes	-
	HCH-B		Kancheepuram	Kancheepuram	1.00	-	2.327	Yes	-
Cauliflower	Phorate		Kancheepuram	Kancheepuram	0.05	-	0.055-0.056	Yes	-
	Aldrin		Chennai	NA	0.10	-	0.280	Yes	-
	Aldrin		Kancheepuram	Kancheepuram	0.10	-	0.141	Yes	-
Brinjal	Phorate		Chennai	NA	0.05	-	0.070	Yes	-
Fruits									
Apple	Dichlorvos		RPQS, Chennai	China	0.10	-	0.110-0.190	Yes	No
Orange	Dichlorvos		RPQS, Chennai	USA	0.10	-	0.240	Yes	-
Pear	Aldrin		RPQS, Chennai	China	0.10	0.05	0.143	Yes	Yes

18. Project Coordinating Cell, AINP on Pesticide Residue, IARI, New Delhi

Vegetables									
Okra	Cypermethrin Alpha		Mangolpuri, MD	NA	0.20	0.50	0.260	Yes	No
	Cypermethrin		Azadpur, APMC	Panipat	0.20	0.50	0.275	Yes	No
	Cypermethrin		Azadpur, APMC	Sonepat	0.20	0.50	0.200	Yes	No
Cauliflower	Chlorpyrifos		Okhla, APMC	Shimla	0.01	0.05	0.680	Yes	Yes
	Chlorpyrifos		Okhla, APMC	Faridabad	0.01	0.05	0.420	Yes	Yes
	Chlorpyrifos		Azadpur, APMC	Panipat	0.01	0.05	0.034	Yes	No
	Chlorpyrifos		Okhla, APMC	Sonepat	0.01		0.027-0.040	Yes	No
Cabbage	Chlorpyrifos		Okhla, APMC	Hapur	0.01	0.05	0.168	Yes	Yes
	Chlorpyrifos		Azadpur,	Hapur	0.01	1.00	0.019	Yes	No

			APMC					
	Cypermethrin		Mangolpuri, APMC	Hapur	2.00	-	3.910	Yes
	Chlorpyrifos		Okhla, APMC	Muzzafarnagar	0.01	1.00	0.060	Yes
19. National Environmental Engineering Research Institute, Nagpur								
720 samples of Ground Water	No Pesticide Residue was detected	Maharas-htra/ Madhya Pradesh	Bhandara, Umred, Bhiwapur, Kalmeshwar, Morshi, Jalalkheda, Yavatmal, Deoli, Kalamb, Selu, Chindwara	No water sample was detected with pesticide residue				
20. Central Pollution Control Board, Delhi								
708 samples of Ground Water	Alachlor, Parathion-ME, Pendimethalin	Delhi/ Haryana/ NCR area	Delhi , Ghaziabad, Ballabgarh, Bagpat, Sonipat and Panipat	56 water samples from collected from Delhi , Ghaziabad, Ballabgarh, Bagpat, Sonipat and Panipat were detected with Alachlor. 1 sample was detected with Parathion-ME and 1 sample with Pendimethalin				

Relevant excerpts of the Summary

Food Commodities Vs Predominant pesticide residue

S.No.	Commodity	Predominant pesticide residues found above MRL
1.	Cauliflower	Chlorpyrifos, Cypermethrin
2.	Okra	Monocrotophos, Chlorpyrifos & Cypermethrin
3.	Cabbage	Chlorpyrifos, Monocrotophos & Cypermethrin
4.	Brinjal	Aldrin, Heptachlor & Cypermethrin
5.	Apple	Aldrin , Chlordane & Cyfluthrin-Beta
6.	Banana	Aldrin & Chlordane
7.	Orange	Monocrotophos & Dichlorvos
8.	Grapes	Cypermethrin
9.	Rice	Quinalphos, Chlorpyrifos, DDVP & Heptachlor
10.	Wheat	Triazophos, Fenitrothion, Phorate & Chlorpyrifos
11.	Fish	Endosulfan-T
12.	Milk & Butter	HCH-isomers, Aldrin, Heptachlor & Endosulfan-T
13.	Poultry	Chlorpyrifos, Endosulfan-T & Lindane
14.	Pork	Endosulfan-T & Cypermethrin
15.	Cardamom	Quinalphos & Dichlorvos
16.	Tea	Fenpropathrin
17.	Ground water	Alachlor, Pendimethalin & Parathion- ME

State and prevalence of Pesticide residues

S.No.	State	Predominant pesticide residues found in food commodities above PFA MRL
1.	Gujarat	Chlorpyrifos & Monocrotophos, HCH-D, HCH-B & HCH-A
2.	West Bengal	Cypermethrin, Chlorpyrifos, Endosulfan-T, Fenitrothion & Fenpropathrin
3.	Kerala	Chlorpyrifos, Quinalphos, Phorate
4.	Punjab	Chlorpyrifos
5.	Tamil Nadu	Chlorpyrifos, Dichlorvos, Aldrin, Phorate & HCH-B
6.	Maharashtra	Monocrotophos, Endosulfan-T, Lindane, Cypermethrin, Phorate & Dimethoate
7.	Himachal Pradesh	Chlorpyrifos & Cypermethrin
8.	Karnataka	Cypermethrin, Triazophos, Quinalphos & Fenitrothion
9.	Haryana	Cypermethrin, Cyfluthrin-beta & Monocrotophos
10.	Rajasthan	Chlorpyrifos
11.	Uttar Pradesh	Aldrin, Chlorpyrifos, Dichlorvos, Phorate, Chlordane, Chlorfenvinfos, DDT-T, Heptachlor, Monocrotophos, Ethion, Endosulfan-T, HCH-A & HCH-B
12.	Andhra Pradesh	Cyfluthrin-Beta, Chlorpyrifos, HCH-A, HCH-D & Endosulfan-T
13.	Delhi & NCR	Cypermethrin-alpha, Cypermethrin, Chlorpyrifos, Alachlor, Parathion-ME & Pendimethalin

Pesticide Residues in Food Commodities Above PFA MRL

S.No.	Pesticide residue	State	Food Commodity
		GUJARAT	
1.	Chlorpyrifos		Cauliflower
2.	Monocrotophos		Cabbage
3.	Chlorpyrifos		Wheat
4.	Chlorpyrifos		Rice
5.	Monocrotophos		Okra

6.	Chlorpyrifos		Milk
7.	HCH-D		Milk
		WEST BENGAL	
1.	Cypermethrin		Cabbage
2.	Chlorpyrifos		Cauliflower
3.	Endosulfan-T		Fish
4.	Fenitrothion		Wheat
		KERALA	
1.	Chlorpyrifos		Cauliflower
2.	Quinalphos		Cardamom
		PUNJAB	
1.	Chlorpyrifos		Cauliflower
2.	Chlorpyrifos		Cabbage
		TAMIL NADU	
1.	Chlorpyrifos		Cauliflower
2.	Dichlorvos		Okra
3.	Aldrin		Okra
4.	Chlorpyrifos		Okra
5.	Dichlorvos		Cabbage
6.	HCH-B		Cabbage
7.	Phorate		Cauliflower
8.	Aldrin		Cauliflower
9.	Phorate		Brinjal
10.	Dichlorvos		Apple
11.	Dichlorvos		Orange
12.	Aldrin		Pear
		MAHARASHTRA	
1.	Monocrotophos		Okra
2.	Chlorpyrifos		Poultry meat
3.	Cypermethrin		Pork
4.	Chlorpyrifos		Cauliflower

HIMACHAL PRADESH			
1.	Chlorpyrifos		Tomato
2.	Chlorpyrifos		Brinjal
3.	Chlorpyrifos		Cabbage
4.	Chlorpyrifos		Okra
5.	Cypermethrin		Okra
KARNATAKA			
1.	Fenitrothion		Wheat
2.	Quinalphos		Rice
HARAYANA			
1.	Monocrotophos		Okra
2.	Cypermethrin		Okra
3.	Dichlorvos		Rice
RAJASTHAN			
1.	Chlorpyrifos		Cauliflower
2.	Chlorpyrifos		Cabbage
3.	Chlorpyrifos		Wheat
UTTAR PRADESH			
1.	Aldrin		Cauliflower
2.	Chlorpyrifos		Cauliflower
3.	Chlorfenvinfos		Cauliflower
4.	Dichlorvos		Cauliflower
5.	Aldrin		Brinjal
6.	Heptachlor		Brinjal
7.	Chlorpyrifos		Cabbage
8.	Chlorfenvinfos		Cabbage
9.	Monocrotophos		Bitter Gourd
10.	Chlorfenvinfos		Bitter gourd
11.	Aldrin		Tomato
12.	Chlorfenvinfos		Tomato
13.	Heptachlor		Tomato

14.	Lindane		Tomato
15.	DDT-T		Tomato
16.	Heptachlor		Okra
17.	Aldrin		Banana
18.	Chlordane		Banana
19.	Aldrin		Apple
20.	Chlordane		Apple
21.	Monocrotophos		Orange
22.	Aldrin		Wheat
23.	Phorate		Wheat
24.	Chlorfenvinfos		Wheat
25.	Heptachlor		Rice
26.	Chlorfenvinfos		Rice
27.	Ethion		Rice
28.	Heptachlor		Milk
29.	HCH-A		Milk
30.	HCH-B		Milk
31.	Heptachlor		Butter
		ANDHRA PRADESH	
1.	Chlorpyriphos		Cabbage
2.	HCH-D		Milk
		DELHI	
1.	Cypermethrin- alpha		Okra
2.	Cypermethrin		Okra
3.	Chlorpyriphos		Cauliflower
4.	Chlorpyriphos		Cabbage
5.	Cypermethrin		Cabbage