

O.I.H.

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO.3401
TO BE ANSWERED ON THE 6TH DECEMBER, 2016

MONITORING OF PESTICIDE RESIDUES

3401. SHRI NAGAR RODMAL:

Will the Minister of AGRICULTURE AND FARMERS WELFARE ऋदुशुआओँ एवं किसान कल्याण ½ââââè be pleased to state:

- (a) the details of the work being undertaken by the Government through Monitoring of Pesticides Residues at National Level (MPRNL) and the National Institute of Plant Health Management (NIPHM) from 2014 to till date;
- (b) the details of the States where the MPRNL and NIPHM schemes are being implemented; and
- (c) the concrete steps taken by the Government for the solution of plant problems through the said schemes?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

ऋदुशुआओँ एवं किसान कल्याण ½ââââè ½ââââè ½ââââè (SHRI PARSHOTTAM RUPALA)

- (a): Under MPRNL scheme including NIPHM from April, 2014-July, 2016, a total of 49,687 samples have been collected and analysed for the presence of pesticide residues and residues were detected above MRL in 1186 (2.4%) samples. Details may be seen At Annexure-I.
- (b): The MPRNL scheme is being implemented through 25 participating laboratories including NIPHM representing various Ministries and Departments. Details may please be seen at Annexure-II.
- (c): The data generated through these schemes are further submitted to Codex Committee on Pesticide Residues (CCPR) for risk assessment and MRL fixation, used for Quality Assurance programme of participating laboratories, and also used for

imparting Training Programme in pesticide residue analysis to all concerned for adoption of Good Agricultural Practices, to reduce the pesticide residues in Plant/Food.

Annexure-I

Work done under the MPRNL scheme (April, 2014 to July, 2016):

During April, 2014 - July, 2016, a total of 49,687 samples have been collected and analysed for the presence of pesticide residues and residues were detected above MRL in 1186 (2.4 %) samples. The year and commodity wise breakup is given below:

Commodity	April, 2014- March, 15		April, 2015- March, 16		April, 2016- July, 2016	
	Samples analysed	Samples above FSSAI MRL	Samples analysed	Samples above FSSAI MRL	Samples analysed	Samples above FSSAI MRL
Fish/Marine	893	0	837	0	249	0
Fruits	2239	40	2364	27	714	14
Meat/Egg	444	0	402	0	153	0
Milk	459	0	462	0	153	0
Pulses	715	1	749	0	239	0
Rice	1076	68	1128	45	376	16
Spices	1299	106	1390	86	466	22
Tea	174	4	181	8	60	9
Vegetables	10593	306	12035	329	3769	59
Water	1921	0	1712	0	539	0
Wheat	805	17	843	27	248	2
Total	20,618	542 (2.6 %)	22,103	522 (2.4 %)	6,966	122 (1.8 %)

Annexure-II

(b) The MPRNL scheme is being implemented through 25 participating laboratories representing Ministry of Agriculture, Indian Council of Agriculture Research, Ministry of Health and Family Welfare, Ministry of Environment and Forest, Council of Scientific and Industrial Research, Ministry of Chemical and Fertilizer, Ministry of Commerce and State Agricultural Universities. The Project Coordinating Cell of AINP on Pesticide Residues is the nodal centre for implementation of the scheme. All the laboratories are accredited as per ISO/IEC 17025:2005 in the field of Chemical Testing by National Accreditation Board for Testing and Calibration of Laboratories (NABL). **The list of participating laboratories under MPRNL across the country is given below:**

1. Project Coordinating Cell, All India Network Project on Pesticide Residues, LBS Building, Indian Agricultural Research Institute, New Delhi
2. Dept. of Entomology, Punjab Agricultural University, Ludhiana, Punjab
3. ICAR Unit No.-9, BTRS Building, Anand Agricultural University, Anand, Gujarat
4. Dept. of Entomology, Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra
5. Dept. of Entomology, College of Agriculture, Kerala Agricultural University, Vellayani, Kerala
6. Division of Soil Sci. & Agril. Chemistry, Indian Institute of Horticulture Research, Hessaraghatta Lake Post, Bangalore, Karnataka
7. Dept. of Entomology, Rajasthan Agricultural University, Research Station, Durgapura, Jaipur, Rajasthan
8. Professor Jayashankar Telangana State Agricultural University, E.E.I. Premises, Rajendranagar, Hyderabad, Telangana

9. Dept. of Agricultural Entomology, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu
10. Institute of Pesticide Formulation Technology, Sector-20, Udyog Vihar, Gurgaon, Haryana
11. National Institute of Occupational Health, P. B. No. 2031, Meghani Nagar, Ahmedabad, Gujarat
12. Western Region Referral Laboratory, Department of Veterinary Public Health, Bombay Veterinary College, Parel, Mumbai, Maharashtra
13. MPEDA, MPEDA House, Panampilly Avenue, Kochi , Kerala
14. Pesticide Toxicology Laboratory, Indian Institute of Toxicology Research, Mahatma Gandhi Marg, Lucknow, Uttar Pradesh
15. Trace Organic Laboratory, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
16. National Environmental Engineering Research Institute, Nehru Marg, Nagpur, Maharashtra
17. Regional Plant Quarantine Station, Haji Bunder Road, Sewri, Mumbai, Maharashtra
18. Regional Plant Quarantine Station, G.S.T. Road, Meenambakkam, Chennai , Tamil Nadu
19. AINP on Pesticide Residues, Directorate of Research, Research Complex Building, Kalyani, Nadia, West Bengal
20. Dept. of Entomology, Dr. Y.S.P. Univ. of Horticulture & Forestry, Nauni, Solan, Himachal Pradesh
21. National Plant Quarantine Station, New Delhi
22. National Institute of Plant Health Management (NIPHM), Pesticide Management Division, Rajendranagar, Hyderabad, Telangana
23. Central Agriculture Research Institute (CARI), Port Blair, Andaman and Nicobar
24. Export Inspection Agency, Kolkata, West Bengal
25. Export Inspection Agency, Mumbai, Maharashtra
