

OFFICE OF THE PRINCIPAL SCIENTIST (PESTICIDE) PESTICIDE RESIDUE

LABORATORY KALA SHAH KAKU

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No: 05

Dated: 13-01-2023

To

The Chief Scientist,
Institute of Soil Chemistry and
Environmental Sciences,
Kala Shah Kaku.

Subject: WEEKLY ANALYSIS REPORT (09-01-2023 TO 13-01-2023) OF PESTICIDE
RESIDUE LABORATORY, KALA SHAHKAKU

Kindly find enclosed herewith the Weekly Progress Report of Pesticide
Residue Laboratory, Kala Shah Kaku.

PRINCIPAL SCIENTIST (PESTICIDE)
PESTICIDE RESIDUE LABORATORY
KALA SHAH KAKU

A. MONITORING OF PESTICIDE RESIDUE IN PUNJAB FROM 09-01-2023 TO 013-01-2023

i. COMMODITY WISE

Sr. No.	Crop	No. of samples analyzed	No. of samples with residue detected	Name of pesticides detected	No. of samples with residue >MRL	Pesticide detected > MRL	Location from where sample collected (>MRL)
1	Turnip	03	-				
2	Spinach	03	-				
3	Raddish	02	-				
4	Bitter gourd	01	-				
5	Fenugreek	01					
6	Guava	01					
7	Water	13					
8	Wheat	01					
9	Coriander	01					
10	Green pods	01					
11	Milk	01					
12	Mustard	02					
Total		30	-	-	-	-	-

ii. DISTRICT WISE

District/ Location from where sample collected	Total No. of samples analyzed	Total No. of samples with residue detected above *MRL	Name of Pesticides detected above MRL	Name of crop in which residue detected
Sahiwal	15	-	-	-

Kasur	15			
Total	30	-	-	-

B. Research on Pesticide Residue Analysis in Food Commodities from 09-1-2023 to 13-1-2023

Sr. No.	Project Name	No. of Samples						Total
		Fruits	Vegetables	Cereals			Others	
				W	M	R		
1.	Research Trials at PRL, KSK	-	-	-	-	-	-	-
2.	Different Organizations of Agriculture Department					-		-
3.	Analytical work regarding ISO-17025: 2017 Accreditation / R & D		-	-		-	01 (Blank)	01
4.	Commercial samples	-	-	-	-		-	-
5.	Standards prepared & run for method accuracy checking	04						04
Sub Total		05						

*W: Wheat, R: Rice, M: Maize

ACCUMULATIVE PROGRESS REPORT FROM 04-07-2022 TO 13-01-2023

A. Monitoring Of Pesticide Residue in Punjab

Commodity	Total No. of samples analyzed	Total No. of samples with residue detected	Total No. of samples with residue detected above MRL	Percent of samples above MRL
Fruits	04	-	-	
Vegetables	72	-	-	-
Cereals	04	-	-	-
Others	14	-		
Total	94	-	-	-

B. BMS + Research On Pesticide Residue Analysis in Food Commodities

Sr. No.	Project	No. of samples analyzed				
		Fruits	Vegetables	Cereals	Others	Total

				W	M	R			
1.	Basket Market Survey	04	72	04	-	-	14	94	
2.	Method validation regarding Proficiency Testing for accreditation to ISO-17025/R & D	-	17	-	02	07	01	27	
3.	Advisory service to various sister organizations	-	-	-	-	73	-	73	
4.	Research Trials of PRL, KSK	-	-	-	-	-		-	
5.	Commercial Sample	11	01	31	13	20	32	108	
6.	Sub total	15	90	35	15	100	47	302	
7.	Standards prepared & run for method accuracy checking	51							51
	Grand Total	353							

*W: Wheat, R: Rice, M: Maize

C. Total No. of Samples Analyzed

Total No. of Samples Analyzed	353
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Bottlenecks:

Shortage of non-gazated technical supporting staff (Research Assistant/Lab. Assistant) and lack of electricity backup
GCMS (Shimadzu) and HPLC (Alliance) are not working properly.

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