COMPILED WEEKLY PROGRESS REPORT W.E.F. 19-12-2022 TO 23-12-2022

1. PESTICIDE QUALITY CONTROL LABORATORIES

S.	Name of office	Total sample analyzed	Fit samples	Unfit samples
No.				
1	Pesticide Quality Control Laboratory, Faisalabad	95	93	2
2	Pesticide Quality Control Laboratory, Multan	74	71	3
3	Pesticide Quality Control Laboratory, Bahawalpur	50	50	0
4	Pesticide Quality Control Laboratory, Kala Shah Kaku	60	59	1
	Total	279	273	6

2. PESTICIDE RESIDUE LABORATORY, KALA SHAH KAKU

A. MONITORINGOFPESTICIDE RESIDUE INPUNJABFROM19-12-2022TO 23-12-2022

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	Spinach	4	-				
2	Coriander	2	-				
3	Onion	2	-				
4	Bitter gourd	3	-				
5	Cauliflower	1	-				
6	Chillies	1	-				
7	Potato	1	-				
8	Turnip	3	-				
9	Carrot	1	-				
10	Tomato	1	-				
11	Radish	2	-				

12	Methi	2	-				
13	Orange	1	-				
14	Guava	1	-				
15	Wheat	2	-				
16	Sugarcane	1	-				
17	Mungray	1					
18	Brassica	2					
	Total	31	-	-	-	-	-

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	23	-	-	-
Kasur	8			
Total	31	-	-	-

ACCUMULATIVE PROGRESS REPORT FROM 04-07-2022 TO 23-12-2022

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	2	-	•	

Vegetables	22	_	-	-
Cereals	2	-	-	-
Others	14	-		
Total	44	-	-	-

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

Sr.	Project		No.	of sample	es analyzed			
No.	l F	Fruits	Vegetables		Cereals		Others	Total
				W	М	R		
1.	Basket Market Survey	2	44	-	-	-	14	60
2.	Method validation regarding Proficiency Testing for accreditation to ISO-17025/R & D	-	19	2	02	07	-	30
3.	Advisory service to various sister organizations	-	-	-	-	73	-	73
4.	Research Trials of PRL, KSK	-	-	-	-	-		-
5.	Commercial Sample	11	01	31	13	18	32	106
6.	Sub total	11	38	31	15	82	32	269
7.	Standards prepared & run for method accuracy checking			47				47
	Grand Total			316	5			

^{*}W: Wheat, R: Rice,M: Maize

Bottlenecks:

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

3. (SOIL CHEMISTRY SECTION, INSTITUTE OF SOIL CHEMISTRY AND ENVIRONMENTAL SCIENCES, AARI, FAISALABAD) Weekly Progress Report (From 19-12-2022 To23-12-2022)

A. No. of Samples Collected, Prepared and Analyzed for Different Research Experiments and Others

Tymo of ca	mnloc	Sam	ples										Dr	romo	torc	Anal	uzod.								
Type of sa	inipies	Collected	Prepared										Po	rame	ters	Allal	yzeu								
	-	-	-	N	Р	К	В	S	Fe	Cu	Zn	Mn	Pb	Cd	Ni	Cr	Se	Са	Mg	Na	As	D.M			Total
Plant	Expt.					76																			76
	Other																								
	-			N	Р	К	В	S	Fe	Cu	Zn	Mn	Pb	Cd	Ni	Cr	Se	EC	рН	ОМ	Txt.	SP	CEC	Са	
Soil	Expt.		36	24	42													17	2	48					133
	Other																								Ī
	-			EC	рН	Ca	Mg	Na	CI	CO ₃	HCO₃	SAR	RSC	Cd	К	Cr	Pb	Cd	Ni	Fe	Zn	В	As		T
Water	Expt.																								
	Other																								
	-			Pb	Cd	Ni																			
Fertilizer`	Expt.																								
	Other																								T

B. <u>Cumulative Progress Report (Up to 23-12-2022)</u>

Type of															Analy	/zed															
Sample	N	P	К	В	S	Fe	Cu	Zn	Mn	Pb	Cd	Ni	Cr	Se	EC	рН	ОМ	Txt.	SP	CEC	Ca	Mg	Na	Cl	CO₃	HCO₃	SAR	RSC	As	D.M	Total
Plant	130	460	638	60		116	40	130	80																					20	1674
Soil	39	839	90	20											246	243	103	16			24										1620
Water				20											3	3					1										27
Fertilizer																															0
Others	11	11	12												1						1			1	1	1					39
Total:	180	1310	740	100	0	116	40	130	80	0	0	0	0	0	250	246	103	16	0	0	26	0	0	1	1	1	0	0	0	20	3360

C. <u>Laboratory Analysis Detail for the year 2022-2023</u>

Analytical Categories	Samples Analyzed	Dropound By	
Total Plant samples analyzed:	1674	Prepared By:	
Total Soil samples analyzed:	1620	Curamicad Bu	
Total Water samples analyzed:	27	Supervised By:	
Total Fertilizer samples analyzed:	0		
Total Other samples analyzed:	39	Chief Scientist:	