



ANNUAL REPORT

2025-26

Pest Warning & Quality Control of Pesticides

Department of Agriculture
Government of Punjab

OUR DIRECTOR GENERAL

**Dr. Amer Rasul**

Director General Agriculture (PW&QCP)
Punjab, Lahore

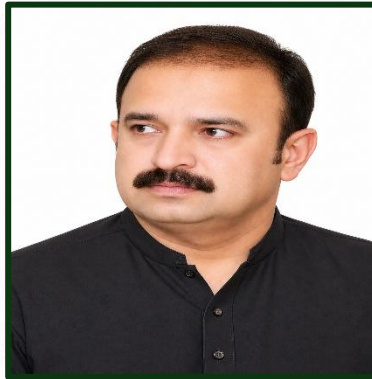
OUR ADDITIONAL DIRECTOR GENERALS

**Mr. Haroon Ghani**

Additional DG Agri.
(PW&QCP)
Hqr. Lahore

**Mr. Habib Anwar**

Additional DG Agri.
(PW&QCP)
Registration Lahore

**Mr. Ilyas Raza**

Additional DG Agri.
(PW&QCP)
South Zone Multan

**Mr. Ahmad Naveed Ahsan**

Additional DG Agri.
(PW&QCP)
Central Zone Faisalabad

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DIRECTORATE GENERAL

Pest Warning & Quality Control of Pesticides

Agriculture Department, Government of Punjab

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ABOUT THE DIRECTORATE GENERAL

The Directorate General of Pest Warning & Quality Control of Pesticides is the specialized plant protection wing of the Agriculture Department, Government of Punjab. It plays a critical role in monitoring pest development and implementing comprehensive plant protection measures across the province.

Established in 1977 to address the cotton crop pest scouting initiative and in view of the debacle of cotton crop during 1983, a specialized wing, namely, "Directorate of Pest Warning & Quality Control of Pesticides" was created in July, 1984 with the main aim to save the Agricultural economy from any pest outbreak and total crop failure.

Initially, it operated as a Project Directorate headquartered in Multan, focusing on cotton crops in the cotton-growing zones. Over time, due to its success and impact, its scope expanded to cover the entire province, encompassing all major crops, vegetables, and orchards.



MISSION STATEMENT

To transform the Punjab's Agriculture into a profitable sector through technology-based crop pest warning system, integrated with sustainable pest management strategies clubbed with quality assurance of pesticides.



KEY MILESTONES & ORGANIZATIONAL GROWTH

- 1977** Pest scouting for cotton crop initiated on a limited scale.
- 1984** Directorate established in July 1984 as a Project Directorate at Multan.
- 1987** The department was regularized and the post of Project Director was changed to Director of Agriculture.
- 2005** Directorate was elevated to Directorate General status with 190 posts created to enhance operational capacity.
- 2006** One post of Deputy Director (Plant Protection) Punjab shifted from Extension Wing Agriculture to this Directorate General. Total strength became 658.
- 2009** Five more posts of Deputy Director divisional levels along with supporting staff were sanctioned by converting development project to non-development. Total strength became 848.
- 2010** Two Director-level positions established for Cotton and Rice Zones with modern technology for early pest warning and pesticide quality control.
- 2022** Five Additional Director General (BS-20) posts created under a four-tier promotional structure to strengthen operations.

ADDITIONAL DIRECTOR GENERAL OFFICES



1

HEADQUARTER
LAHORE



2

REGISTRATION
LAHORE



3

SOUTH ZONE
MULTAN



4

CENTRAL ZONE
FAISALABAD



5

RICE ZONE
LAHORE

OUR CORE MANDATE



PEST SURVEILLANCE

Regular monitoring of weeds, insect pests and diseases of major crops, vegetables and orchards.



EARLY WARNING SYSTEM

Timely forecasting and dissemination of pest alerts to protect crops and minimize losses.



PESTICIDE QUALITY ASSURANCE

Ensuring availability of quality pesticides to the farmers.



CAPACITY BUILDING OF PESTICIDES DEALERS AND FARMERS

Training and awareness programs on safe use of pesticides.





DIRECTORATE GENERAL Pest Warning & Quality Control of Pesticides

Agriculture Department, Government of Punjab



OBJECTIVES



1. Ensure Food Security and Safety

To ensure food security and safety by implementing pest monitoring systems, promoting integrated pest management practices, and encouraging the rational use of pesticides.



2. Provide Access to Quality Pesticides

To provide farmers with access to high-quality pesticides, ensuring effective crop protection and sustainable agricultural practices.



FUNCTIONS

The Directorate General, Pest Warning & Quality Control of Pesticides is dedicated to fulfilling its mandate by executing the following key functions, aimed at advancing the agriculture sector and enhancing the livelihoods of the farming community:



1. Pest Surveillance

Monitoring pests in field crops, vegetables and orchards.



2. Capacity Building

Technical training for farmers and extension personnel.



3. Pesticide Quality Control

Inspection, sampling and quality assurance of pesticides.



4. Pesticides Distributors Registration

Registration and regulatory compliance of pesticide distributors.



5. Pesticides Dealers Training and Licensing

Training and licensing of pesticide dealers on safe handling, storage and use.



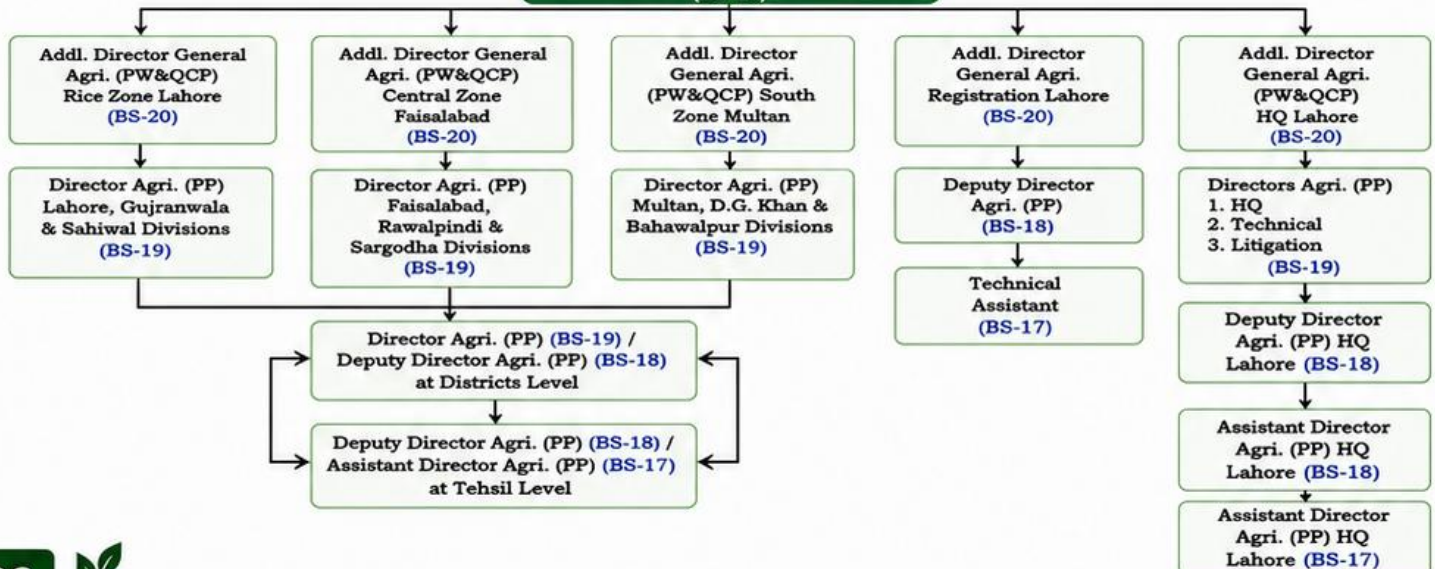
Total budget for the year 2025-26

— **PKR 901.63 Million** —



ORGANOGRAM

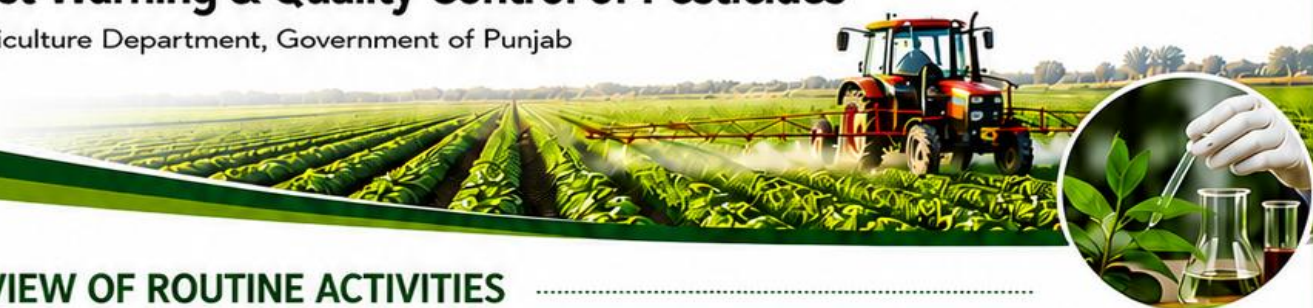
**DIRECTOR GENERAL AGRICULTURE
(PW&QCP) PUNJAB
(BS-20)**





DIRECTORATE GENERAL Pest Warning & Quality Control of Pesticides

Agriculture Department, Government of Punjab



OVERVIEW OF ROUTINE ACTIVITIES

The Directorate General performs its operational responsibilities through two core functions that support sustainable crop protection and food security across Punjab.



1. Pest Surveillance

A technology-supported pest surveillance system for the timely monitoring, forecasting, and management of insect pests and crop diseases across major field crops, vegetables, and orchards.



2. Pesticide Quality Control

A comprehensive regulatory system to ensure the availability of quality-assured pesticides through inspection, sampling, laboratory analysis, enforcement, and dealer capacity building.



1. PEST SURVEILLANCE

Pest surveillance remained the Directorate's primary field activity during 2025–26. Under the Rabi and Kharif Action Plans, pest scouting was conducted to detect insect pests and diseases at an early stage, enabling timely advisories and effective crop protection across Punjab.

Weekly and fortnightly surveillance reports of major field crops, vegetables and orchards were issued and also shared with the stakeholders for awareness and decision making.

Level	Pest Surveillance Days	Spots per Week	Counter Checking	Description
 Tehsil Level	05 days per week	40–50 spots	-	 Pest Surveillance Farmer Advisory Capacity Building of Farmers, Dealers & Extension agents
 District Level	4 days per week	32–40 spots	5% field counter checking + smart monitoring of activities through CS App/whatsapp group	 Pest Surveillance Farmer Advisory Capacity Building of Farmers, Dealers & Extension agents
 Divisional Level	3 days per week	24–30 spots	3% field counter checking + smart monitoring of activities through CS App/whatsapp group	 Supervisory Anti pest campaigns



Surveillance data is systematically compiled, verified, and shared with farmers through advisories, digital platforms, and extension networks for timely crop protection.

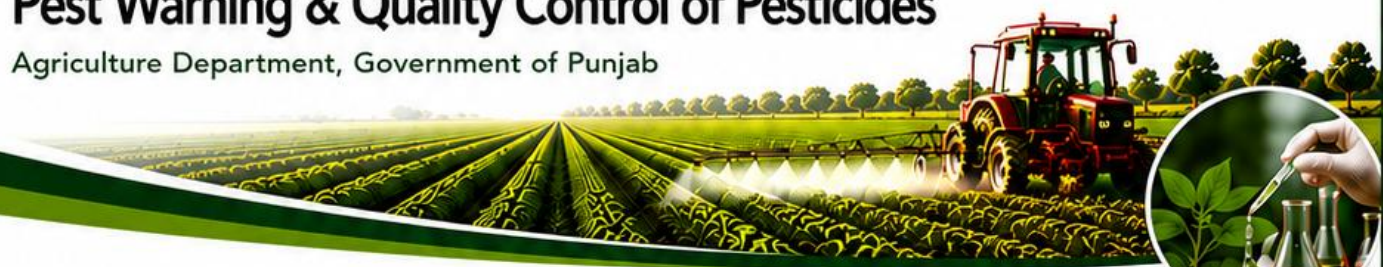




DIRECTORATE GENERAL Pest Warning & Quality Control of Pesticides

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1. FIELD CROPS COVERAGE

S#	Crop	Core Areas	Non-Core Areas
1	 Wheat	All over Punjab where available	
2	 Cotton	Multan, Khanewal, Vehari, Lodhran, Bahawalpur, Bahawalnagar, R.Y. Khan, D.G. Khan, Rajanpur, Muzaffargarh, Layyah, Jhang, T.T Singh, Faisalabad, Mianwali, Bhakkar, Sahiwal	Okara, Kasur, Pakpattan
3	 Rice	Gujranwala, Sialkot, Narowal, Hafizabad, M.B Din, Gujrat, Sheikhpura, Lahore, Nankana, Kasur	Jhang, Faisalabad, Chiniot, Okara, Bahawalnagar, T.T. Singh, Sahiwal, Pakpattan, Okara, Minchanabad, Muzaffargarh, Multan, Lodhran, Khanewal, Vehari, Sargodha
4	 Maize	Sahiwal, Vehari, Pakpattan, Okara, Lodhran, Khanewal, Bahawalpur, Faisalabad, TT Singh	Kasur, Bahawalnagar, Attock, Nankana, Muzaffargarh, RY Khan
5	 Sugarcane	Faisalabad, Jhang, Chiniot, RY Khan, Sargodha, Bhakkar, TT Singh, MB Din, Muzaffargarh	Bahawalpur, Bahawalnagar, Layyah, Kasur, Vehari, Okara
6	 Sorghum & Millet	All over Punjab where available	



2. ORCHARDS, VEGETABLES & OTHER GENERAL CROPS COVERAGE

S#	Crop	Core Areas	Non-Core Areas
1	 Citrus	Sargodha, M.B. Din, Jhang, T.T Singh, Faisalabad, Bhakkar, Layyah	Other districts of Punjab where available
2	 Mango	Multan, Muzaffargarh, R.Y. Khan, Khanewal, Bahawalpur, Jhang, Faisalabad, Lodhran	Vehari, Rajanpur, Bahawalnagar, Layyah, DG khan, Sahiwal, TT Singh
3	 Guava	Sheikhpura, Kasur, Lahore, Nankana Sahib, Faisalabad	Other districts of Punjab where available
4	 Potato	Sahiwal, Okara, Pakpattan, Chiniot, Sialkot, Faisalabad, TT Singh	Other districts of Punjab where available
5	 Pulses	Mianwali, Khushab, Bhakkar, Layyah, Jhang	Other districts of Punjab
6	 Groundnut	Chakwal, Attock, Khuhab	—
7	 Pome Fruits	Rawalpindi, Jhelum, Chakwal, Attock	—
8	 Fodders	All over Punjab	—

COVERAGE HIGHLIGHTS



Major
Field Crops



Fruits &
Orchards



Vegetables



Oilseed &
Pulses



Union Council and
Village Level
Monitoring





DIRECTORATE GENERAL

Pest Warning & Quality Control of Pesticides

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Wheat



PEST SURVEILLANCE SNAPSHOT

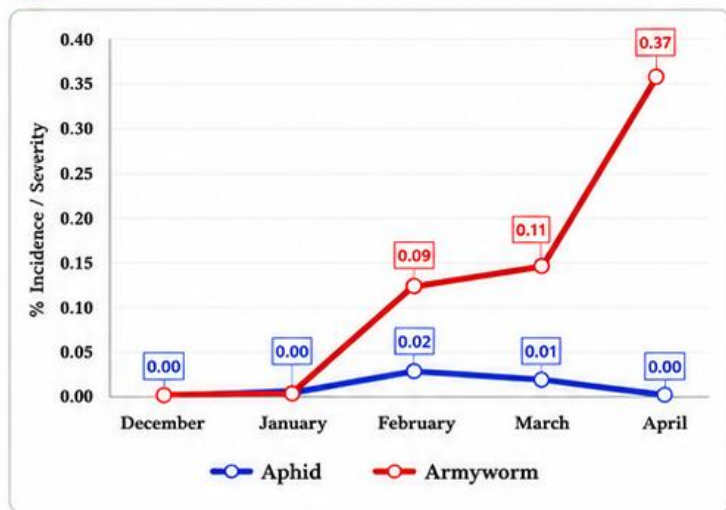
SURVEILLANCE SUMMARY (CUMULATIVE)			
Total Spots Visited	Total Area Visited (Acres)	Total Hotspots Detected	Hotspots (%)
 99,510	 594,223	 1,401	 1.41

INSECT PESTS		
Pest	No. of Hotspots	%
Aphid	9	0.01
Armyworm	88	0.09

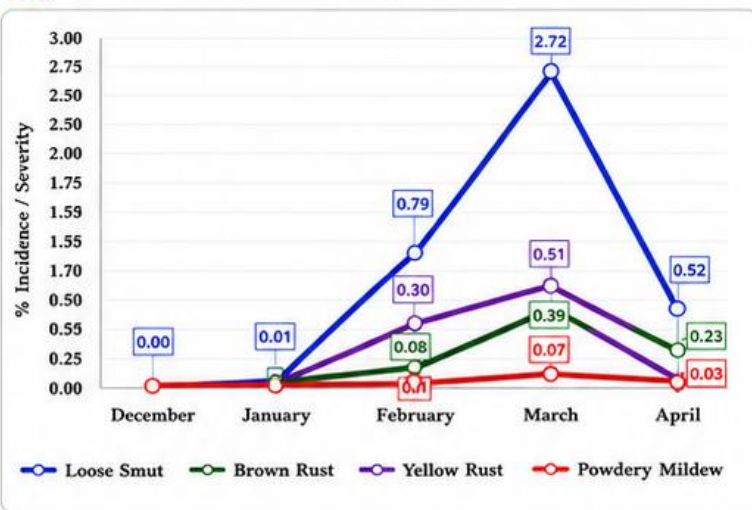
DISEASES		
Disease	No. of Hotspots	%
Loose Smut	914	0.92
Yellow Rust	206	0.21
Brown Rust	142	0.14
Powdery Mildew	21	0.02



INSECT PEST INFESTATION TREND 2025-26

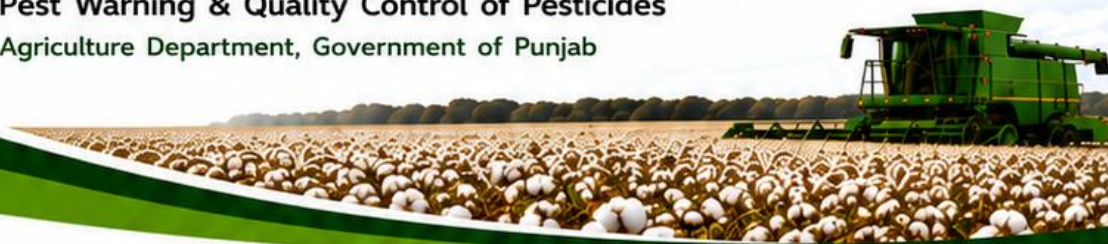


DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES | PEST ALERTS / ADVISORIES





Cotton



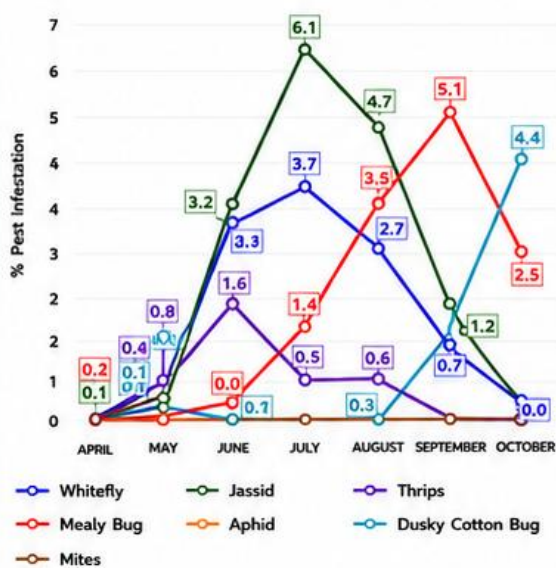
PEST SURVEILLANCE SNAPSHOT

SURVEILLANCE SUMMARY (CUMULATIVE)			
Total Spots Visited	Total Area Visited (Acres)	Total Hotspots Detected	Hotspots (%)
			
91,078	406,116	11,933	13.1

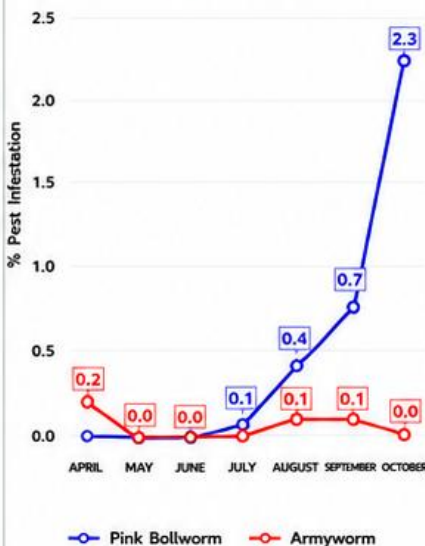
INSECT PESTS		
Pest	No. of Hotspots	%
Whitefly	1,754	1.93
Jassid	2,675	2.94
Thrips	485	0.53
Mealy Bug	1,994	2.19
Aphid	18	0.02
Dusky Cotton Bug	660	0.72
Pink Bollworm	409	0.45
Armyworm	55	0.06

DISEASES		
Disease	No. of Hotspots	%
ClCuv	3,021	3.32
Wilt	66	0.07
Blackening	796	0.87

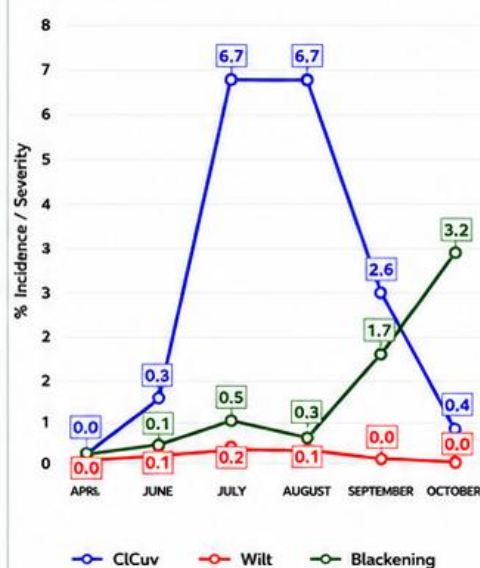
1. SUCKING INSECT PEST TREND 2025



2. BOLLWORMS INSECT PESTS TREND 2025-26



3. DISEASE INCIDENCE TREND 2025-26



FIELD SURVEILLANCE ACTIVITIES | PEST ALERTS / ADVISORIES





DIRECTORATE GENERAL

Pest Warning & Quality Control of Pesticides

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PEST SURVEILLANCE SNAPSHOT

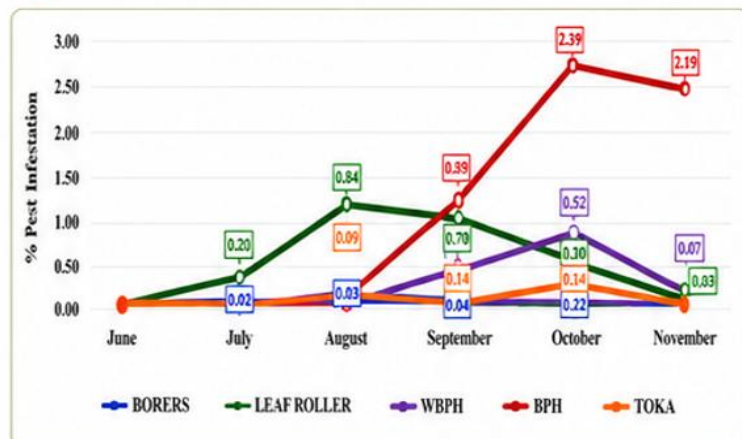
SURVEILLANCE SUMMARY (CUMULATIVE)			
Spots Visited	Area Visited (Acres)	Hotspots Detected	Hotspots (%)
45,022	306,490	4,774	10.61

INSECT PESTS		
Pest	No. of Hotspots	%
Borer	12	0.03
Leaf Roller	224	0.50
WBPH	108	0.24
Brown Plant Hopper	501	1.11
Toka	32	0.07

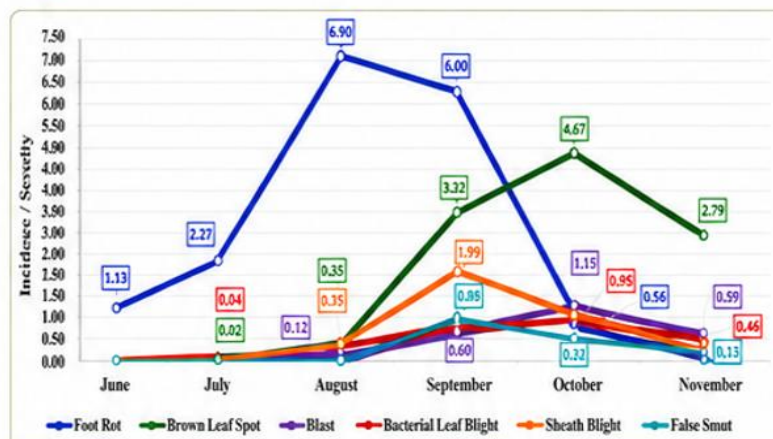
DISEASES		
Disease	No. of Hotspots	%
Foot Rot	1,638	15.41
Bacterial Leaf Blight	238	0.53
Brown Leaf Spot	1,178	2.62
Sheath Blight	417	0.93
Blast	267	0.59
False Smut	159	0.35



Insect Pest Infestation Trend 2025



Disease Incidence Trends 2025



FIELD SURVEILLANCE ACTIVITIES



PEST ALERTS / ADVISORIES

PEST ALERT FOR RICE YELLOW LEAF ROLLER

The Additional Director General Agriculture (Punjab) Rice Zone, Lahore

Subject: Yellow Leaf Roller (YLR) infestation in rice fields.

Details: YLR is a major pest of rice, causing significant damage to the crop. It is currently active in the rice fields of the Punjab zone. Farmers are advised to monitor their fields closely and take appropriate control measures.

PEST ALERT FOR BROWN PLANT HOPPER

The Additional Director General Agriculture (Punjab) Rice Zone, Lahore

Subject: Brown Plant Hopper (BPH) infestation in rice fields.

Details: BPH is a major pest of rice, causing significant damage to the crop. It is currently active in the rice fields of the Punjab zone. Farmers are advised to monitor their fields closely and take appropriate control measures.

PEST ALERT FOR FALSE SMUT

The Additional Director General Agriculture (Punjab) Rice Zone, Lahore

Subject: False Smut infestation in rice fields.

Details: False Smut is a fungal disease of rice, causing significant damage to the crop. It is currently active in the rice fields of the Punjab zone. Farmers are advised to monitor their fields closely and take appropriate control measures.





DIRECTORATE GENERAL

Pest Warning & Quality Control of Pesticides

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Maize



PEST SURVEILLANCE SNAPSHOT

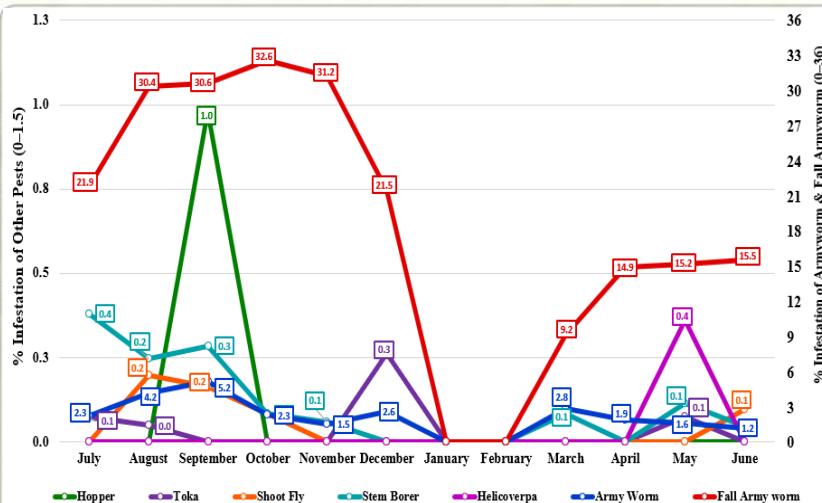
SURVEILLANCE SUMMARY (CUMULATIVE)			
Spots Visited	Area Visited (Acres)	Hotspots Detected	Percentage Hotspots (%)
23,967	94,848	5,820	24.28

INSECT PESTS		
Pests	No. of Hot Spots	%
Army Worm	562	2.34
Fall Army worm	5,029	20.98
Hopper	25	0.10
Toka	7	0.03
Shoot Fly	14	0.06
Stem Borer	29	0.12
Helicoverpa	9	0.04

DISEASES		
Diseases	No. of Hot Spots	%
Stalk Rot	125	0.52
Leaf Blight	11	0.05



Insect Pest Infestation Trend 2025-26



Disease Incidence Trends 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES



PEST ALERT OF MAIZE COR BORER (CORN EAR WORM)

Subject: PEST ALERT OF MAIZE COR BORER (CORN EAR WORM)

Observation: The larvae primarily attack the ears by feeding on silks and developing grains. This insect pest thrives under warm temperature with moderate humidity.

As per pest surveillance reports of Pest Warning Wing, the infestation of Helicoverpa has been observed. Owing to the favorable weather conditions, the attack of this pest is likely to increase in the coming days. To manage this pest effectively, following integrated management practices are recommended:

- Conduct regular pest scouting.
- Install light and pheromone traps for monitoring.
- Inject Trichogramma egg parasitoid cards to suppress pest population.
- Apply recommended pesticides as border or targeted spray on reaching ETL, as per label specifications.

Active Ingredient	Dose / Acre
Spinosad 120SC	100ml
Chlorantraniliprole 18SC	50ml
Flubendazole 480 SC	50ml
Spinosad 180 EC	50 ml
Chlorantraniliprole 18 SC	200 ml

Moreover, it is also suggested to direct your field formations to remain vigilant and conduct extensive surveillance in maize-growing areas for effective and timely control of this disease.

CC:

- PS to Secretary Agriculture, Government of Punjab, Lahore
- Director General Agriculture, Information, Punjab, Lahore with the request for mass sharing through social media





DIRECTORATE GENERAL

Pest Warning & Quality Control of Pesticides

Agriculture Department, Government of Punjab

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Sugarcane



PEST SURVEILLANCE SNAPSHOT

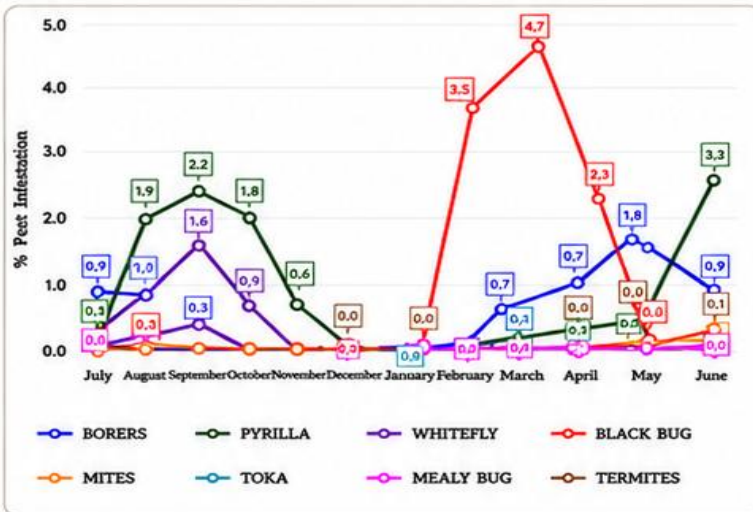
SURVEILLANCE SUMMARY (CUMULATIVE)			
Total Spots Visited	Total Area Visited (Acres)	Total Hotspots Detected	Hotspots Percentage (%)
 22,928	 119,706	 2,335	 10.18

INSECT PESTS		
Pest	No. of Hot Spots	%
BORERS	137	0.60
PYRILLA	161	0.70
WHITEFLY	75	0.33
BLACK BUG	232	1.01
MITES	40	0.17
TOKA	1	0.00
MEALY BUG	13	0.06
TERMITES	22	0.10

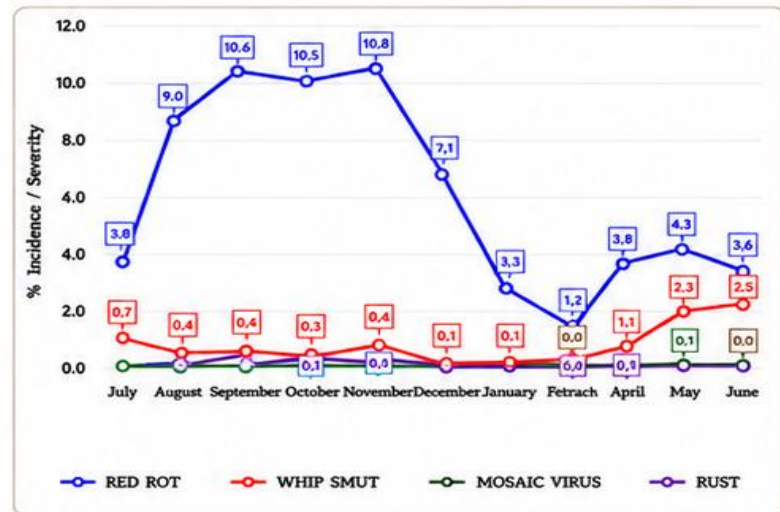
DISEASES		
Disease	No. of Hot Spots	%
RED ROT	1,409	6.15
WHIP SMUT	216	0.94
MOSAIC VIRUS	19	0.08
RUST	10	0.04



INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES



PEST ALERT FOR SUGARCANE BLACK BUG

Director General Agriculture (DA) Punjab, Lahore
The Additional Director General Agr. (PW&QCP) Bure,
Central & Control Zone

Subject: PEST ALERT FOR SUGARCANE BLACK BUG

Sugarcane Black Bug (Scaphytophrus graminis) is a significant pest in sugarcane fields, causing a threat to both yield and quality. This pest clusters at the roots near soil level, causing stunted growth, flower fall, and shedding of chlorotic leaves. Its attack is in early stage when it is not visible to the eye.

According to pest situation reports of Pest Warning, the increasing infestation of the pest has been observed in the sugarcane fields, which may further intensify in the coming days owing to the conducive weather conditions. Following inspection pest management strategies should be followed to mitigate the risk of the pest.

- Visually inspect the field as the pest population increases in dry conditions.
- Avoid sowing in heavily infested crop.
- Use any of the following or other recommended insecticides with the consultation of Agr. Experts of Pest Warning or per label specifications.

Sr. No.	Active Ingredients	Dose/Acre
1	Imidacloprid + Fipronil 90WG	50g
2	Bifenthrin 10% EC	250 ml
3	Chlorpyrifos + Chlorantraniliprole 100WG	300 ml
4	Chlorpyrifos 40%EC	1000ml
5	Chlorpyrifos + Bifenthrin 10%EC	400-600 ml
6	Chlorantraniliprole + Bifenthrin 10%EC	40 g
7	Chlorantraniliprole + Chlorantraniliprole 0.45G	7 kg

Note: For better spray results, use Wigner nozzle to target the pests infested whorls.

Moreover, it is also suggested to direct your field formations to remain vigilant and conduct routine surveillance for effective service delivery and timely control of the pest.

CAUTION:

- PS to Secretary Agriculture, Government of Punjab, Lahore.
- PS to Additional Secretary (Task Force) Agriculture Department, Government of Punjab, Lahore.
- Director General Agriculture Information, Punjab, Lahore with the request to ensure maximum dissemination through social media.





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Pest Warning & Quality Control of Pesticides

Agriculture Department, Government of Punjab



Sesame

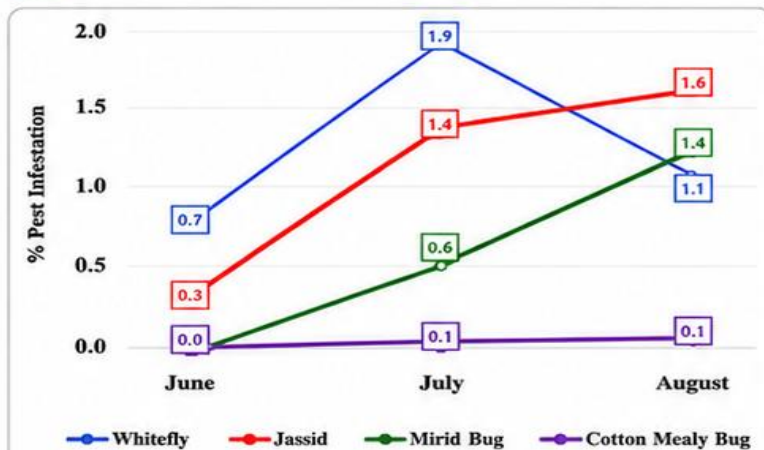
PEST SURVEILLANCE SNAPSHOT

SURVEILLANCE SUMMARY (CUMULATIVE)			
Total Spots Visited	Total Area Visited (Acres)	Total Hotspots Detected	Hotspots Percentage (%)
			
4,676	9,994	398	8.51

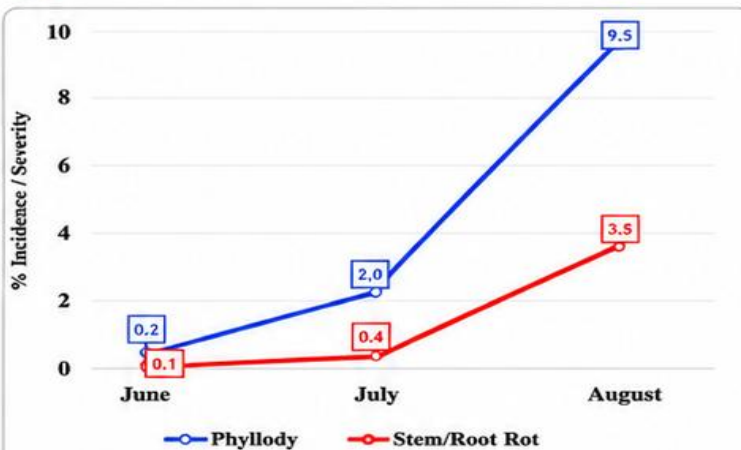
INSECT PESTS		
Pests	No. of Hot Spots	%
WHITEFLY	61	1.30
JASSID	52	1.11
MIRID BUG	30	0.64
COTTON MEALY BUG	2	0.04
THRIPS	0	0.00
LEAF WEBBER	0	0.00
ARMYWORM	12	0.26
HELIOTHIS	7	0.15

DISEASES		
Diseases	No. of Hot Spots	%
PHYLLODY	169	3.61
STEM/ROOT ROT	56	1.20
LEAF SPOT	2	0.04
POWDERY MILDEW	0	0.00
STEM BLIGHT	7	0.15

INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES





DIRECTORATE GENERAL

Pest Warning & Quality Control of Pesticides

Agriculture Department, Government of Punjab

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Potato



PEST SURVEILLANCE SNAPSHOT

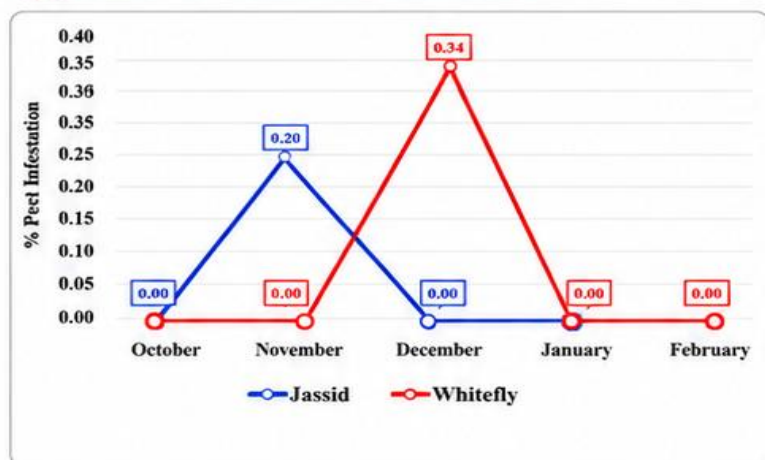
SURVEILLANCE SUMMARY (CUMULATIVE)			
Total Spots Visited	Total Area Visited (Acres)	Total Hotspots Detected	Hotspots Percentage (%)
			
8,787	75,304	2,692	30.64

INSECT PESTS		
Pests	No. of Hot Spots	%
JASSID	4	0.05
WHITEFLY	8	0.09

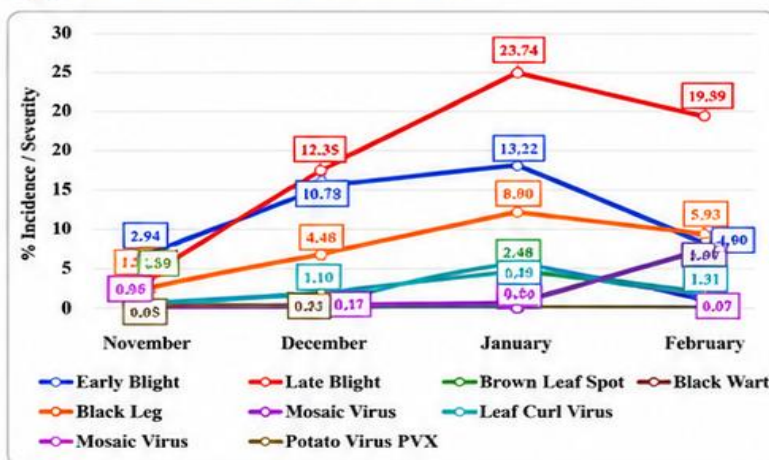
DISEASES		
Diseases	No. of Hot Spots	%
EARLY BLIGHT	732	8.33
LATE BLIGHT	1,231	14.01
BROWN LEAF SPOT	63	0.72
BLACK WART	68	0.77
BLACK LEG	448	5.10
LEAF CURL VIRUS	117	1.33
MOSAIC VIRUS	15	0.17



INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES





Gram



PEST SURVEILLANCE SNAPSHOT

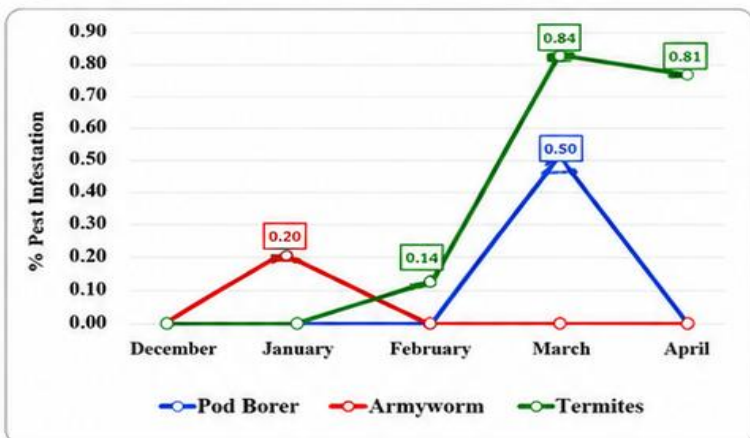
Total Spots Visited	Total Area Visited (Acres)	Number of Hotspots Detected	Percentage Hotspots (%)
 2,389	 13,055	 332	 13.9

INSECT PESTS		
Pests	No. of Hot Spots	%
POD BORER	3	0.13
ARMYWORM	1	0.04
TERMITES	7	0.29

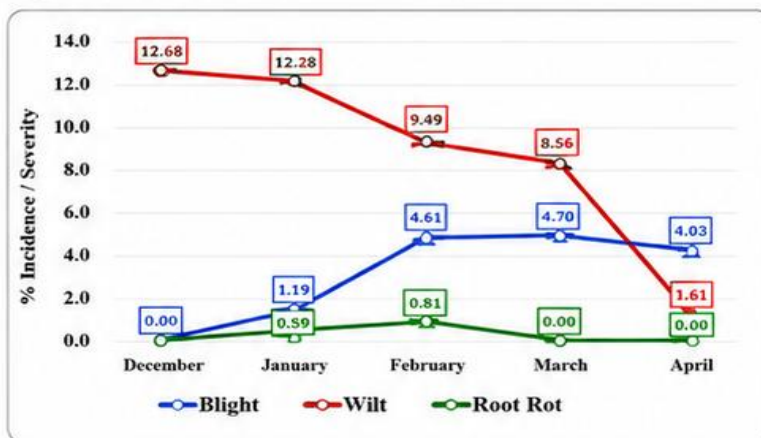
DISEASES		
Diseases	No. of Hot Spots	%
BLIGHT	73	3.06
WILT	239	10.00
ROOT ROT	9	0.38



INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES



No. 1007-18 /DGA(PW&QCP) Dated: 12-02-2016
DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
AGRICULTURE HOUSE, 21 - DAVIS ROAD, LAHORE.
 Phone: 042 - 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

- The Additional Director General's Agri. (PW&QCP) Rice Zone, Central Zone & South Zone
- The Divisional Directors of Agri. (PP) in Punjab

Subject: **FEST ALERT OF GRAMPAD BORE**

Gram pod borer (*Helicoverpa armigera*) is a major pest of gram and other pulses, causing significant yield losses through pod damage. In severe infestation, it can reduce gram yields by 20-50% or more by destroying flowers, buds and pods.

As per pest scouting reports of Pest Warning Wing during the 1st Week of February 2026, occurrence of gram pod borer has been observed below ETL. For

- Remove weeds.
- Install light traps.
- Install *Trichogramma* cards @15-20/ acre.

S#	Common Name	Dose/100 liter water
1	Emamectin Benzoate 1.9 EC	200 ml
2	Chlorantraniliprole 20 SC	50 ml
3	Spintoram 120 SC	80 ml

It is therefore, suggested to direct the field formations to ensure maximum outreach to the farmers and immediately reporting of hotspot areas to the concerned extension counterparts for coordinated action. Timely measures can significantly reduce the impact of this pest on gram production.

Amir Kabul.
Director General 12-02-2020

- CC: * F5 to Secretary Agriculture, Government of Punjab, Lahore.
* F5 to Additional Secretary (Task Force) Agriculture Department, Government of Punjab, Lahore.
* Director General Agriculture (Ext.) Punjab, Lahore with the request to sensitize the information for its awareness and timely control.
* Director General Agriculture (Ext.) Punjab, Lahore with the request for mass sharing through social media.
* Chief Scientist Agriculture (Research) AARI, Faisalabad.
* Chief Scientist, Pulses Research Institute, AARI, Faisalabad.





 Citrus

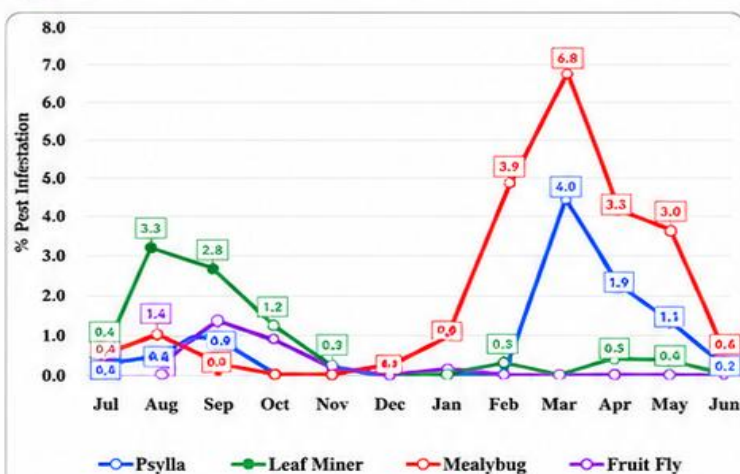


PEST SURVEILLANCE SNAPSHOT

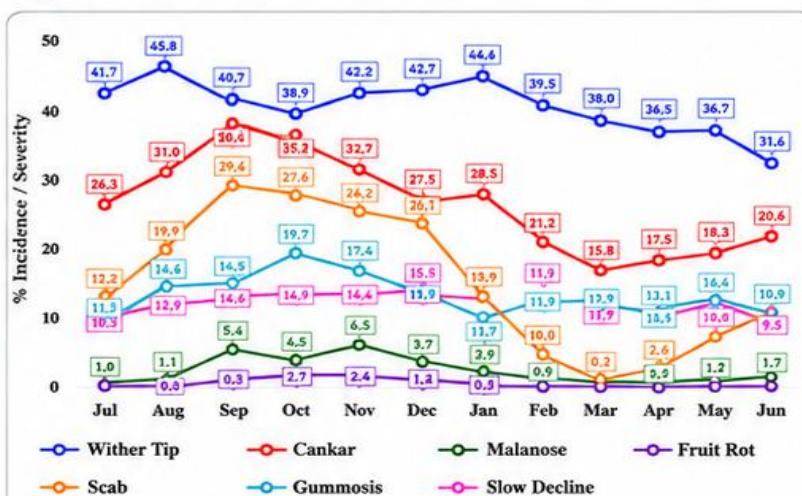
SURVEILLANCE SUMMARY (CUMULATIVE)			INSECT PESTS			DISEASES		
Total No. of Spots Visited	Total Area Visited (Acres)	Total Hotspots Detected	Pests	No. of Hot Spots	%	Diseases	No. of Hot Spots	%
 9,330	 59,245	 10,474	Psylla	81	0.87	Wither Tip	3,678	39.42
			Leaf Miner	71	0.76	Cankar	2,382	25.53
			Whitefly	1	0.01	Malanose	238	2.55
			Thrips	0	0.00	Fruit Rot	70	0.75
			Caterpillar	1	0.01	Scab	1,310	14.04
			Red Scales	0	0.00	Gummosis	1,257	13.47
			Mites	0	0.00	Slow Decline	1,196	12.82
			Mealybug	172	1.84			
			Fruit Fly	17	0.18			



INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES

[illegible]



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Mango



PEST SURVEILLANCE SNAPSHOT

SURVEILLANCE SUMMARY (CUMULATIVE)

Total Spots Visited



6,222

Total Area Visited (Acres)



83,413

Total Hotspots Detected



9,016

INSECT PESTS

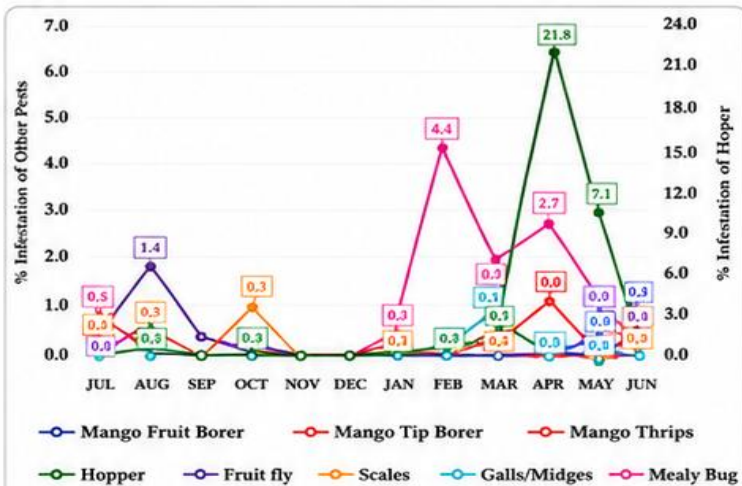
Pests	No. of Hot Spots
MANGO FRUIT BORER	3
MANGO TIP BORER	0
MANGO THRIPS	17
HOPPER	293
FRUIT FLY	15
SCALES	6
GALLS/MIDGES	7
MEALY BUG	69

DISEASES

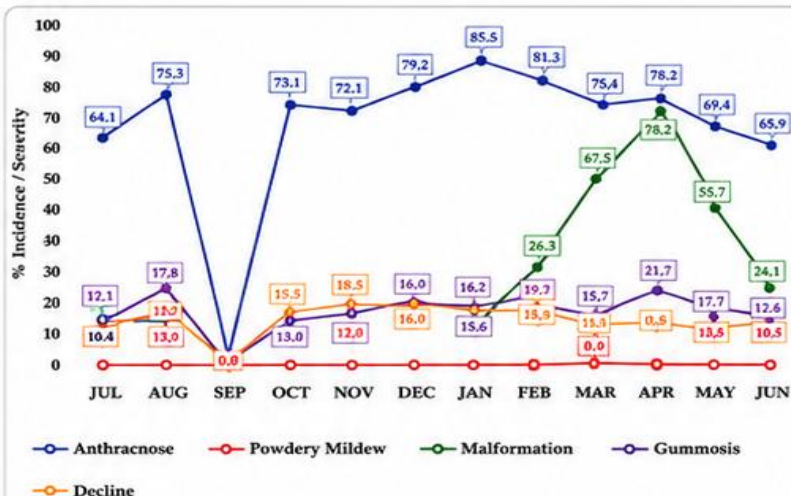
Diseases	No. of Hot Spots
ANTHRACNOSE	4,545
POWDERY MILDEW	79
MALFORMATION	2,098
GUMMOSIS	1,024
DECLINE	860



INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES





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Guava



PEST SURVEILLANCE SNAPSHOT

SURVEILLANCE SUMMARY (CUMULATIVE)

Total No. of Spots Visited



4,033

Total Area Visited (Acres)



15,888

Total Hotspots Detected



2,485

INSECT PESTS

Pests

No. of Hot Spots

%

Fruit Fly

41

1.02

Mealybug

212

5.26

DISEASES

Diseases

No. of Hot Spots

%

Anthraco nose

1,132

28.07

Decline

219

5.43

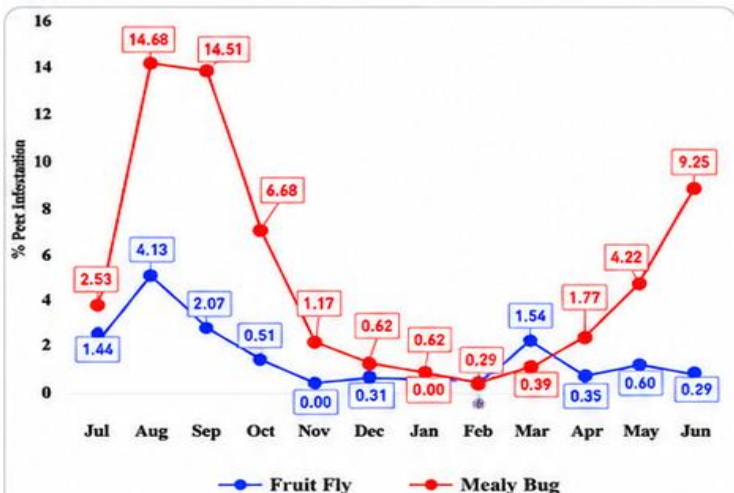
Withertip

881

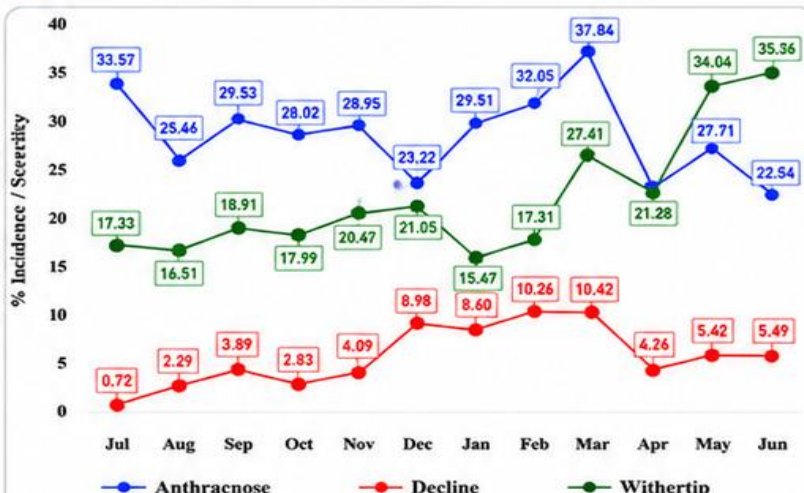
21.84



INSECT PEST INFESTATION TREND 2025-26



DISEASE INCIDENCE TRENDS 2025-26



FIELD SURVEILLANCE ACTIVITIES & PEST ALERTS / ADVISORIES





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HIGHLIGHTS OF PESTICIDE ANTI-ADULTERATION CAMPAIGN 2025-26

SAMPLES DRAWN

(No.)



6,191

UNFIT SAMPLES

(No.)



88

FIRs REGISTERED

(No.)



363

RAIDS CONDUCTED

(No.)



317

QUANTITY

CONFISCATED

(kg/L)



84,049.503

VALUE

CONFISCATED

(Million Rs.)



219.57

PERSONS

ARRESTED



301

ILLEGAL FACTORIES

UNEARTHED



7



High-quality pesticides are essential for farmers to effectively combat crop pests and diseases, thereby ensuring substantial yields. Use of counterfeit or inferior pesticides leads to decreased productivity for agricultural producers.



Punjab accounts for approximately

80%

of agricultural pesticide consumption in the country.



PESTICIDE BUSINESS REGULATION IN PUNJAB

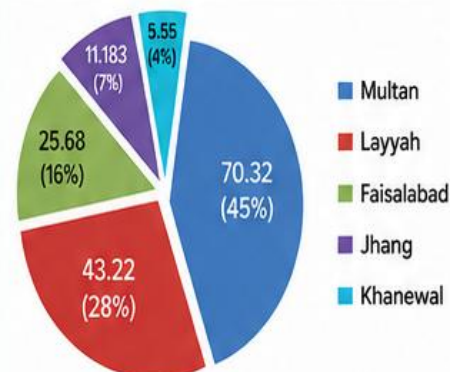
REGISTERED PESTICIDE
DISTRIBUTORS

1,005

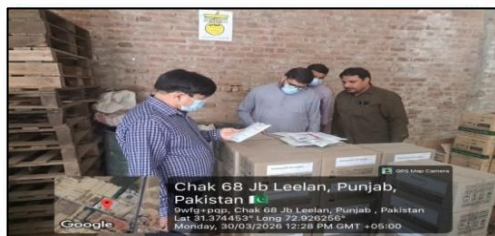
REGISTERED PESTICIDE
DEALERS

17,600

TOP FIVE RAIDS IN TERMS OF VALUE CONFISCATED (RS.)



PESTICIDE ANTIADULTERATION ACTIVITIES





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CRACKDOWN AGAINST ILLEGAL PESTICIDE MANUFACTURING UNITS IN PUNJAB

TARGETED OPERATIONS AT KEY SITES IN DISTRICT MULTAN

1 ABBAS PUR, MULTAN



CONFISCATED
1940 Kg/L

VALUE
Rs. 3.10
MILLION

2 41-A INDUSTRIAL ESTATE, MULTAN



CONFISCATED
1573 Kg/L

VALUE
Rs. 1.10
MILLION

3 4H INDUSTRIAL ESTATE, MULTAN



CONFISCATED
111 Kg/L

VALUE
Rs. 0.66
MILLION

TARGETED ENFORCEMENT OPERATIONS IN FAISALABAD, OKARA & SHEIKHUPURA



CONFISCATED
10437 Kg/L

VALUE
Rs. 42.64
MILLION



CONFISCATED
2721.2 Kg/L

VALUE
Rs. 11.05
MILLION



CONFISCATED
3253 Kg/L

VALUE
Rs. 1.98
MILLION



CONFISCATED
246.12 Kg/L

VALUE
Rs. 0.96
MILLION

CRACKDOWN ON UNREGISTERED FIRMS IN VARIOUS DISTRICTS OF PUNJAB

DISTRICT	CONFISCATION (Kg/L)	CONFISCATED VALUE (Rs.)	PERSONS ARRESTED
JHANG	1035	2,218,900	1
PAKPATTAN	92	569,900	1
ATTOCK	26.73	453,543	2
LAYYAH	2.25	18,450	-

TOTAL IMPACT (2025-26)

Total Illegal Factories/ Unregistered Firms Traced:	14
Quantity Confiscated:	21437.3 Kg/L
Value Confiscated:	Rs. 78.68 MILLION
Persons Arrested:	18





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Pest Warning & Quality Control of Pesticides

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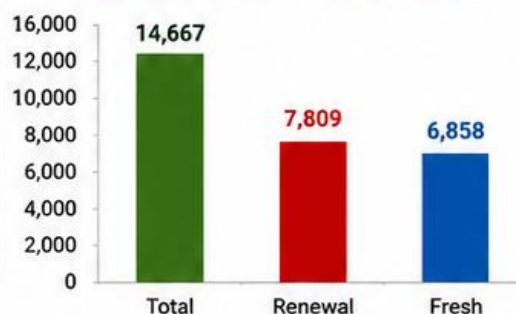


CAPACITY BUILDING OF PESTICIDE DEALERS & REGISTRATION OF PESTICIDE DISTRIBUTORS



An important function of pest warning and quality control of pesticide department involves capacity building of pesticide dealers for issuance of Dealer license.

PESTICIDE DEALERS TRAINED 2025-26



Fresh

6,858



Renewal

7,809



Total

14,667



14,667

DEALERS
TRAINED



6,858

FRESH
DEALERS



7,809

RENEWAL
TRAININGS



12,428

LICENSES
ISSUED



235.16
Million Rs.
REVENUE
GENERATED

TRAINING CURRICULUM – KEY TOPICS



Punjab Agriculture
Pesticides Act,
2012 (Amendment)

Legal responsibilities
and regulatory
compliance.



Punjab Agriculture
Pesticide Rules,
2018

Licensing procedures,
dealer obligations
and enforcement
provisions.



Recognizing
Insect Pests &
Diseases

Identification of
insect pests and
diseases and their
timely control.



Beneficial Insects
& IPM

Understanding
beneficial insects
and their role in
IPM.



Types of Pesticides
& Formulations

Different types of
pesticides, their
formulations and
safe use.



Safe Handling
Storage &
Transportation

Safe handling,
transportation,
storage and disposal
of pesticides.

REGISTRATION OF PESTICIDE DISTRIBUTORS



Pesticide distributors are registered under the Punjab Agriculture Pesticide Rules, 2018 to ensure the sale and distribution of quality and safe pesticides.



144

NEW DISTRIBUTION
LICENSES ISSUED



442

RENEWED DISTRIBUTION
LICENSES ISSUED



586

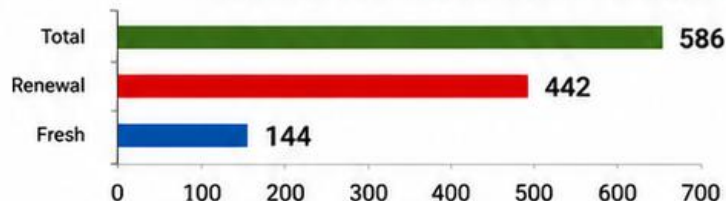
TOTAL DISTRIBUTION
LICENSES ISSUED



57.17
million Rs.

REVENUE GENERATED

REGISTERED PESTICIDE DISTRIBUTORS IN 2025-26



Total 586

Renewal 442

Fresh 144



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SALIENT ACTIVITIES & HIGHLIGHTS 2025-26



OPERATIONAL LAUNCHING OF TEHSIL-LEVEL MOBILE PEST SURVEILLANCE SQUADS

On 29 April 2026, the Directorate formally launched the Tehsil-Level Mobile Pest Surveillance Squads. The ceremony included the distribution of **65 branded operational vehicles** to Squad Officers and the issuance of posting orders to **105 Plant Protection Assistants** for deployment across tehsils, strengthening field-based pest surveillance and pesticide quality control services throughout Punjab.



SPECIAL CAMPAIGN ON MANGO HOPPER MANAGEMENT

On 19 February 2026, the Directorate organized a provincial seminar in **Muzaffargarh** to promote scientific orchard management, climate-resilient production practices, and effective management of mango hopper for improved productivity and export quality.





ASSOCIATED BRITISH FOODS (UNITED KINGDOM) DELEGATION

On 12 November 2025, a high-level delegation from Associated British Foods (ABF), United Kingdom, visited the Agriculture Department and appreciated Punjab's initiatives on sustainable rice production and pesticide residue management to support compliance with international export standards.

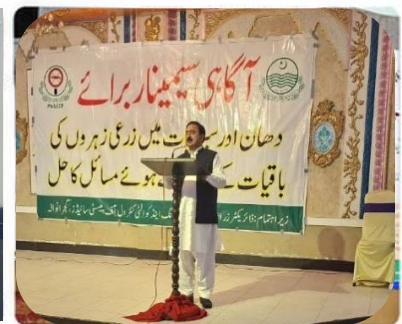


PESTICIDES RESIDUES & AFATOXINS MANAGEMENT CAMPAIGN 2025-26

During 2025-26, the Pest Warning Directorate, in coordination with key stakeholders including TDAP, REAP, and the Private Pesticide Industry, organized a series of farmer awareness seminars across the core rice-growing districts of Punjab.

These seminars focused on promoting Integrated Pest Management (IPM), Maximum Residue Limits (MRLs), Pre-Harvest Intervals (PHIs), responsible pesticide use and residue management, aflatoxin prevention, and safe pre- and post-harvest practices.

The initiative aimed to enhance farmers' awareness of food safety requirements, improve grain quality, minimize pesticide residues and aflatoxin contamination, and support the production of safe, high-quality rice for domestic and export markets.





INTRODUCTION & INSTALLATION OF DIGITAL PEST MONITORING TRAPS



In November 2025, installation of digital pest monitoring traps was installation in collaboration with Food Security & Agriculture Center of Excellence (FACE) and Agriculture Extension wing across selected districts to strengthen the Early Pest Warning System through real-time pest surveillance and timely farmer advisories.

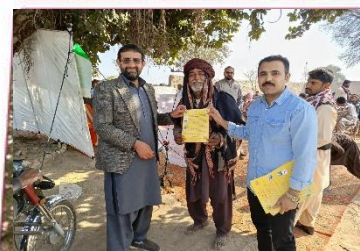


OFF-SEASON PINK BOLLWORM (PBW) MANAGEMENT CAMPAIGN



During 2025-26, an Off-Season Pink Bollworm (PBW) Management Campaign was carried out in major cotton-growing areas to suppress carry-over PBW populations and reduce pest pressure in the subsequent cotton season.

The campaign focused on timely removal and destruction of leftover cotton bolls and crop residues, proper disposal of infested material, management of cotton sticks, elimination of alternate/off-season pest reservoirs, and promotion of Integrated Pest Management (IPM) practices to break the pest life cycle and support sustainable cotton production.



LAUNCHING OF **eBiz** portal to streamline pesticide business registration in Punjab

- ✓ Digital Single Window Platform
- ✓ Automates Issuance of Business Registrations, Licenses, Certificates & Regulatory Approvals
- ✓ Launched by Government of Punjab



OPERATIONALIZED
EFFECTIVE FROM
6 DECEMBER 2025

By Director General, Pest Warning
& Quality Control of Pesticides



8,024

DEALER
TRAINING
APPLICATIONS



9,529

DEALER
LICENCE
APPLICATIONS



745

AGRI-GRADUATE
LICENCE
APPLICATIONS



364

DISTRIBUTOR
REGISTRATION
APPLICATIONS

HOW THE **eBiz** PORTAL WORKS?



ONLINE APPLICATION
SUBMISSION

SIMPLE, FAST &
TRANSPARENT



UPLOAD
DOCUMENTS

SECURE AND
EFFICIENT



ONLINE
REVIEW

FASTER & MORE
ACCURATE



TRACK
APPLICATION

REAL-TIME
TRANSPARENCY



RECEIVE ELECTRONIC
APPROVAL WITHIN 14 DAYS

CONVENIENT, QUICK &
GOVERNMENT ENDORSED

Open eBiz Portal
ebiz.punjab.gov.pk

Important Links
Business Holders

- Dealer Licence
- Distributor Registration
- Agri-graduate Licence

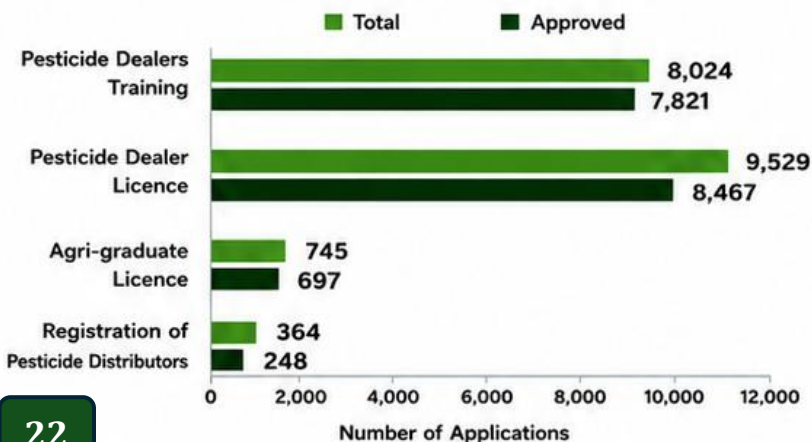
Login

PROCEDURE TO APPLY FOR PESTICIDE DEALERS AND DISTRIBUTORS LICENSE



SUMMARY OF APPLICATIONS PROCESSED THROUGH **eBiz** PORTAL (2025-26)

TOTAL vs APPROVED APPLICATIONS



OVERALL STATUS (ALL SERVICES)





PESTICIDE RESIDUE AND AFLATOXINS MANAGEMENT PLAN FOR RICE CROP 2026



IN-FIELD PEST SURVEILLANCE & FARMER AWARENESS ACTIVITIES (CORE)



IN-FIELD PEST SURVEILLANCE & FARMER AWARENESS ACTIVITIES (NON-CORE)



MONITORING OF RICE IPM DEMO BLOCKS



1



Public Awareness Campaign

2



Social Media Campaign

3



Capacity Building

4



Rice Advisory

5



Farm Level

6



Pesticide Distributor Level

7



Pesticide Dealer Level

8



Regulation & Monitoring

9



Cluster Farming

10



Market/Storage level

11



Research and Development

12



Pesticide residue analysis



SMALL AND MEGA FARMER GATHERINGS



MEETING ON IMPLEMENTATION OF PESTICIDES RESIDUES MANAGEMENT STRATEGIES FOR RICE CROP, 2026



SOCIAL MEDIA CAMPAIGN



IMPACT OF PESTICIDE MANAGEMENT CAMPAIGN

PROGRESS AGAINST SALE OF BANNED PESTICIDES (FY 2025–26)

Strict action was taken against the sale of banned pesticides.



36
FIRs



3.73
Million Rs



24
Persons

IMPACT: DECLINE IN RASFF INCIDENTS IN RICE CONSIGNMENTS

Incidents in rice consignments gradually reduced from 71 to 25 (2025) and 20 in 2026, as per RASFF reports.

71

Baseline
(Previous Years)

25

2025

20

2026



Government of
the Punjab

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PROJECT HIGHLIGHTS

1. Mitigating the Emerging Issues of Pesticide Residues in Vegetables and Rice through Capacity Building of Farmers and Extension Agents

The project has been **successfully completed**, achieving its key objectives of promoting safe and sustainable agriculture, reducing pesticide misuse, and improving food quality. It has contributed to environmental protection, better farmer productivity, enhanced export competitiveness, and sustainable economic growth.



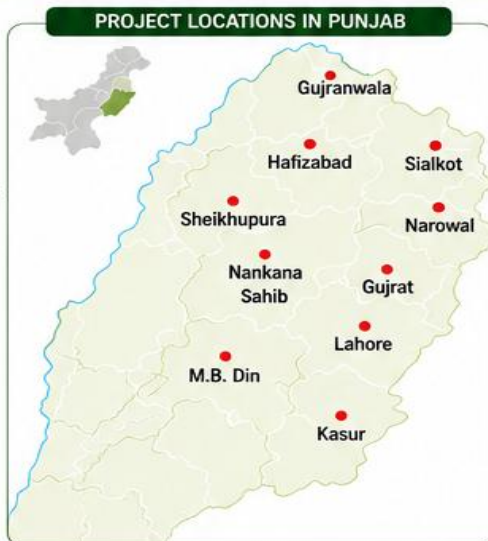
Total Cost : 317.723 M



Gestation Period : 2022-23 to 2025-26



Project Status : Completed on
30-06-2026



PROJECT OBJECTIVES

- 1 Capacity building of farmers, agricultural field staff, extension agents and pesticide dealers.
- 2 Awareness campaigns regarding safe use of pesticides for the production of pesticide residue free vegetables and rice.
- 3 Promotion of low risk pesticides/bio-pesticides to minimize pesticide residues for market driven & sustainable sector.
- 4 Establishment of IPM Demonstrational Farms for on spot training and technology transfer.
- 5 Comparative analysis of pesticide residues under conventional and IPM approach.

FINANCIAL PROGRESS (Rs. In Million)

Year	Total Cost	Allocation	Released	Expenditure
2025-26	317.723	49.28	36.9	33.8
2022-26	323.72	218.69	183.07	183.07

PHYSICAL PROGRESS

Component / Activity Description	Cumulative (Up to 30.06.2025)		FY 2025-26	
	Target	Achievement	Target	Achievement
Establishment of IPM Demo blocks (40 rice IPM Blocks, 10 vegetable IPM Blocks)	50	50	50	50
Farmers covered during pest scouting of rice and vegetables	75,000	86,934	12,500	15,153
Awareness Campaigns				
i) Number of TV Programs	6	6	1	01
ii) Number of Radio Talks	150	150	25	25
iii) Number of Newspaper Ads	15	15	0	00
iv) Literature Publication	150,000	200,000	500,000	50,000
Farmers trained during surveillance	75,000	86,934	12,500	15,153
Small gatherings	3,600	3,610	600	612
Number of pesticide dealers trained	3,000	4,716	1,000	819
Seminars / Mega events	33	43	5	10
Sample analyses	600	600	150	150

PROJECT STATUS

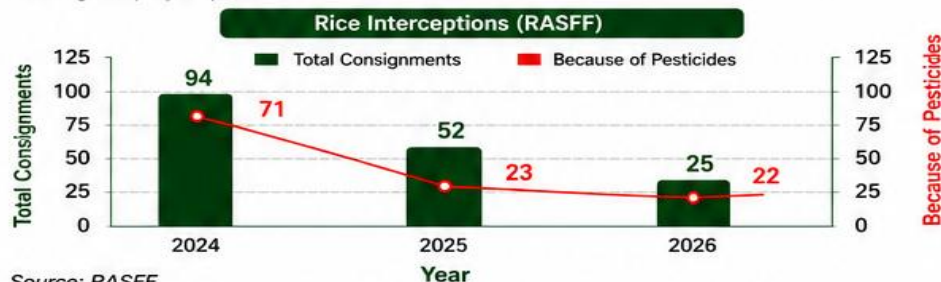


COMPLETED

30-06-2026

PROJECT IMPACT

Rice interceptions due to pesticides have shown a significant declining trend during the project period.



Source: RASFF

1. IPM DEMO BLOCKS



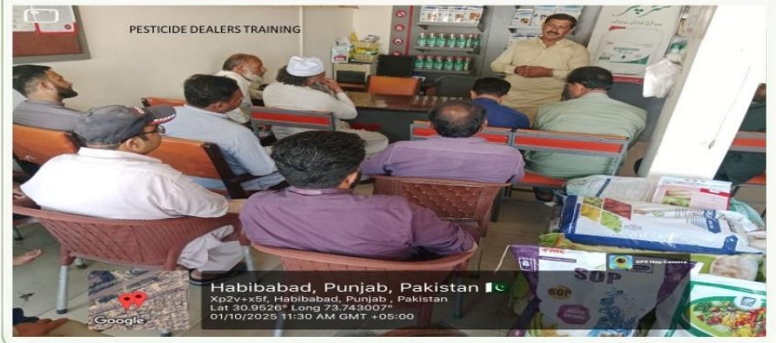
2. PEST SURVEILLANCE OF RICE



3. PEST SURVEILLANCE OF VEGETABLES



4. PESTICIDE DEALER TRAINING



5. SMALL GATHERINGS



6. SEMINAR / MEGA EVENTS



7. INSTALLATION OF YELLOW STICKY TRAPS AND BIOCARDS



8. MONITORING OF LIGHT TRAPS



9. LITERATURE PUBLICATION

زری زمین کے پک
درستی زمین کی پکیاقت سے پاک

ردیف	موضوع	مؤلف	تاریخ
1	زری زمین کے پک	محمد رفیع	2023
2	زری زمین کے پک	محمد رفیع	2023
3	زری زمین کے پک	محمد رفیع	2023
4	زری زمین کے پک	محمد رفیع	2023
5	زری زمین کے پک	محمد رفیع	2023
6	زری زمین کے پک	محمد رفیع	2023
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8	زری زمین کے پک	محمد رفیع	2023
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22	زری زمین کے پک	محمد رفیع	2023
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24	زری زمین کے پک	محمد رفیع	2023
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26	زری زمین کے پک	محمد رفیع	2023
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45	زری زمین کے پک	محمد رفیع	2023
46	زری زمین کے پک	محمد رفیع	2023
47	زری زمین کے پک	محمد رفیع	2023
48	زری زمین کے پک	محمد رفیع	2023
49	زری زمین کے پک	محمد رفیع	2023
50	زری زمین کے پک	محمد رفیع	2023
51	زری زمین کے پک	محمد رفیع	2023
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96	زری زمین کے پک	محمد رفیع	2023
97	زری زمین کے پک	محمد رفیع	2023
98	زری زمین کے پک	محمد رفیع	2023
99	زری زمین کے پک	محمد رفیع	2023
100	زری زمین کے پک	محمد رفیع	2023

زری زمین کے پک
درستی زمین کی پکیاقت سے پاک



PROJECT OVERVIEW

The Mobile Pest Surveillance Squads & Transformation in Anti-Adulteration of Pesticide System (ADP 2025-27) is a flagship initiative of the Government of Punjab aimed at modernizing pest surveillance, strengthening pesticide quality control, and digitizing field operations. The project focuses on enhancing early pest detection, improving regulatory enforcement, promoting Integrated Pest Management (IPM), and ensuring the availability of quality pesticides to farmers across Punjab.

PROJECT OBJECTIVES

- 01 Establish 65 Tehsil-Level Mobile Pest Surveillance Squads across Punjab.
- 02 Modernize pest surveillance through digital monitoring and real-time reporting.
- 03 Strengthen pesticide quality control and anti-adulteration enforcement.
- 04 Promote Integrated Pest Management (IPM) and farmer advisory services.

MAJOR COMPONENTS

- Recruitment of 105 Plant Protection Assistants
- Procurement of 65 operational surveillance vehicles
- Provision of pest surveillance and pesticide sampling equipment
- Supply of laptops, printers and Android devices for digital reporting
- Development of digital monitoring and surveillance infrastructure

SQUAD COMPOSITION / MEMBERS

Each Tehsil-Level Mobile Pest Surveillance Squad consists of five members:

S. No.	Designation	Role
1	Assistant Director of Agri. (PP)	Squad Head
2	Field Assistant	Technical Supporting Staff
3	Pest Surveyor	Technical Supporting Staff
4	Plant Protection Assistant	Technical Supporting Staff
5	Driver	Technical Supporting Staff

PROJECT PROFILE

	PROJECT DURATION	(2025-27) 24 Months
	COVERAGE	All over Punjab
	TARGET BENEFICIARIES	Farmers, Pesticide Dealers, Field Staff & General Public
	PROJECT COMPONENTS	Hiring of staff, procurement of assets, civil works, subsidy, research related interventions etc.
	FUNDS RELEASED (2025-26)	Rs. 209.8 Million
	FUNDS UTILIZED (TILL JUNE 2026)	Rs. 205.5 Million

FINANCIAL PROGRESS



FUNDS UTILIZATION
(TILL JUNE 2026)

LAUNCHING / INAUGURATION

On 29 April 2026, the Directorate formally launched the Tehsil-Level Mobile Pest Surveillance Squads. The ceremony included distribution of 65 branded operational vehicles to Squad Officers and issuance of posting orders to 105 Plant Protection Assistants for deployment across tehsils.

LAUNCHING CEREMONY



FLEET OF 65 OPERATIONAL VEHICLES



SQUAD MEMBERS IN THE FIELD



MAJOR ACHIEVEMENTS DURING FY 2025-26 (TILL JUNE 2026)



201,900

Pest Surveillance
Spots Visited



2,239

On-spot Trainings
(Small Gatherings)



200

IPM Demonstration
Plots Established



12

Pest Alerts Issued in
Cropping Season



234,500

Farmers Trained on Pest
Identification & Management



150

Awareness Reels
Produced



5

Awareness
Podcasts



3,500

Pesticide Samples
Collected for Quality
Assurance



2,256

Pesticide Dealers
Trained on Safe Use
& Handling



36

Pest Surveillance Reports
(Major Crops & Others)



24

Anti-adulteration
Reports



150,000

Literature Distributed
During Surveys &
Gatherings

1 FIELD PEST SURVEILLANCE & MONITORING



2 FARMERS CAPACITY BUILDING



3 SQUAD ANTI-ADULTERATION CAMPAIGN





ANNUAL FINANCIAL STATEMENT



2025-26



BUDGET 2025-26 (MILLION RS.)

	Salary	Non-Salary	Total
 Allocation	669.744	231.882	901.63
 Utilization	656.735	228.805	885.540



REVENUE GENERATED 2025-26 (MILLION RS.)



385.673

