



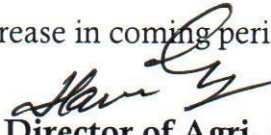
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نظامت اعلیٰ
(پست وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹی سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1ST**
WEEK OF JUNE, 2023.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 1ST week of June in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 21 districts, infestation is reported on Sorghum Crop from 04 district and infestation is reported on Alternate host plant from 01 district, which is expected to increase in coming period.


Assistant Director of Agri. (PP) Hqr
For Director General

No. 5025-31 /DGA (PW&QCP)

Dated: 09-06-2023

Copy forwarded for information to;

- PS to Minister for Agriculture, Punjab, Lahore.
- Secretary Agriculture, Government of Punjab, Lahore.
- Secretary Agriculture, South Punjab, Multan.
- Director General of Agriculture (Ext. & AR) Punjab, Lahore.
- The Chief Scientist of Agriculture (Research) AARI, Faisalabad.
- Director General, Department of Plant Protection, Karachi.
- Director Agriculture Information, Punjab, Lahore.

PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 1ST WEEK OF JUNE, 2023

Pest Situation of Maize Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.22	9.36	0.19	5.35	0.00	8.72	Increasing
2	Fall Armyworm	7.86	-	8.45	-	14.86	-	Decreasing

Pest Situation of Sorghum Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.76	14.63	0.47	14.37	0.70	5.78	Increasing
2	Fall Armyworm	1.77	-	0.47	-	2.80	-	Increasing

Pest Situation of Millet Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	0.00	1.32	-
2	Fall Armyworm	0.00	-	0.00	-	1.32	-	-

Pest Situation of FAW on Other Alternate Host Plants						
		%age of spots on FAW				
Sr. No.	Crop Name	Current Week 2023		Remarks		
		AETL	BETL			
1	Lucerne, Pumpkin, Tomato, Okra	5.40	-	Reported		

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1 ST WEEK OF JUNE, 2023					
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Khushab	2	2	1	50.0
2	Sargodha	15	46	7	46.7
3	D.G.Khan	18	25	5	27.8
4	Layyah	11	22	3	27.3
5	M.B. Din	4	11	1	25.0
6	Mianwali	8	11	2	25.0
7	Multan	14	68	3	21.4

8	Bhakkar	5	5	1	20.0
9	Attock	5	2.7	1	20.0
10	Kasur	33	202	6	18.2
11	Khanewal	61	253	11	18.0
12	Rawalpindi	28	33.2	4	14.3
13	Chakwal	30	13.5	4	13.3
14	M.Garh	39	146	5	12.8
15	Lodhran	32	430	4	12.5
16	Gujranwala	11	91.5	1	9.1
17	Lahore	23	141	2	8.7
18	Faisalabad	94	191	6	6.4
19	Sheikhupura	58	210	3	5.2
20	Jhang	27	105	1	3.7
21	Chiniot	73	312	2	2.7
22	Vehari	45	191	0	0.0
23	Sahiwal	34	173	0	0.0
24	Pakpattan	38	111	0	0.0
25	Okara	19	83	0	0.0
26	Bahawalpur	17	314	0	0.0
27	Bahawalnagar	16	63	0	0.0
28	R.Y.Khan	13	30	0	0.0
29	Rajanpur	15	22	0	0.0
30	Nankana Sahib	41	122.5	0	0.0
31	Ferozwala	0	0	0	0.0
32	Hafizabad	5	50	0	0.0
33	Wazirabad	3	6	0	0.0
34	Sialkot	46	692	0	0.0
35	Narowal	0	0	0	0.0
36	Gujrat	4	11	0	0.0
37	TTSingh	32	115	0	0.0
38	Jehlum	10	13.25	0	0.0
G.TOT 2023		929	4318	73	7.9

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 1ST WEEK OF JUNE, 2023

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	D.G.Khan	16	16	7	43.8
2	T.T.Sing	19	19.75	4	21.1
3	Layyah	6	9	1	16.7
4	Lodhran	38	40	2	5.3
5	Multan	29	38	0	0.0
6	Khanewal	45	77	0	0.0
7	Vehari	45	50	0	0.0

8	Sahiwal	60	103	0	0.0
9	Pakpattan	20	20	0	0.0
10	Okara	17	31	0	0.0
11	Bahawalpur	12	15	0	0.0
12	Bahawalnagar	0	0	0	0.0
13	R.Y.Khan	10	10	0	0.0
14	M.Garh	34	36	0	0.0
15	Rajanpur	21	29	0	0.0
16	Faisalabad	28	36.5	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	30	37.5	0	0.0
19	Lahore	4	19	0	0.0
20	Kasur	23	40	0	0.0
21	Sheikhupura	147	227	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	51	95.5	0	0.0
24	Sargodha	30	33.5	0	0.0
25	Khushab	7	4.45	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	8	13	0	0.0
29	Hafizabad	23	47.5	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	34	46	0	0.0
33	M.B.Din	5	13	0	0.0
34	Gujrat	2	3	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	25	7.125	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	4	3.1	0	0.0
G.TOT 2023		793	1120	14	1.77

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 1ST WEEK OF JUNE, 2023**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Multan	0	0	0	0.0
2	Khanewal	0	0	0	0.0
3	Vehari	0	0	0	0.0
4	Lodhran	0	0	0	0.0
5	Sahiwal	0	0	0	0.0
6	Pakpattan	0	0	0	0.0
7	Okara	0	0	0	0.0
8	Bahawalpur	0	0	0	0.0
9	Bahawalnagar	0	0	0	0.0

10	R.Y.Khan	0	0	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Faisalabad	0	0	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	8	9.65	0	0.0
24	Sargodha	26	32.75	0	0.0
25	Khushab	5	11	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	5	7	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	13	5.875	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		57	66.275	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg. Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	42.6	30.1
Pakpattan	42.3	30.0
Okara	42.1	29.8
Jhang	43.8	30.8
Toba Tek Singh	43.5	30.4
Chiniot	43.2	30.2
Multan	43.7	32.0
Khanewal	43.6	32.1
Vehari	43.3	32.4
Lodhran	42.1	30.7
AVG	43.0	30.8

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C.

MANAGEMENT PRACTICES:

Following practices may be adopted for the management of FAW and to prevent its further spread:

1. Conduct Pest scouting twice a week.
2. Install light traps in maize fields.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls on early stage crop.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides and use of T-Jet nozzle in case of sprays for better coverage.
8. Avoid repeated applications of pesticides having same mode of action.
9. Plant refuge/insectary crops along the borders or surrounding of Maize Crop to attract and provide shelter to beneficial insects.
10. At present few pesticides are registered against Fall Armyworm, however results of following pesticides are better against FAW;
Emamectin+Fipronil @ 8kg/A, Emamectin+Carbofuran @ 8Kg/A,
Emamactin@ 240ml/A, Leufenuron @ 240ml/A, Spintoram (120SC) @ 100ml/A.
Chlorantraniliprole 20%SC@100ml/A