



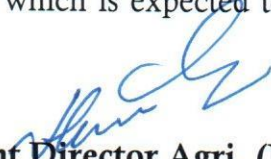
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نظامت اعلیٰ
(بیٹ وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹ سائیزرز) پنجاب لاہور

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

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

At present the pest infestation is reported on Maize Crop from 19 districts, infestation is reported on Sorghum Crop from 07 district, which is expected to increase in coming period.


Assistant Director Agri. (PP) Hqr
For Director General

No. 5978-84 /DGA (PW&QCP)

Dated: 07-07-2023

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 JULY, 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	0.20	13.93	0.47	12.09	0.39	6.05	Decreasing
2	Fall Armyworm	15.78	-	10.39	-	21.09	-	Increasing

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	0.42	15.69	0.37	13.90	0.78	10.20	Increasing
2	Fall Armyworm	1.94	-	2.04	-	4.71	-	Decreasing

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	0.00	-
2	Fall Armyworm	0.00	-	2.15	-	2.33	-	Decreasing

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1ST WEEK OF JULY, 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	1	1	1	100.0
2	Bhakkar	2	2	2	100.0
3	D.G.Khan	29	34	15	51.7
4	Sargodha	12	44	6	50.0
5	Lahore	11	43	5	45.5
6	Khanewal	12	44	4	33.3
7	Attock	3	3.5	1	33.3
8	Rawalpindi	26	17.2	7	26.9
9	Chiniot	42	86	9	21.4
10	Chakwal	24	8.75	5	20.8
11	Layyah	5	11	1	20.0
12	Narowal	5	11	1	20.0
13	Faisalabad	16	17.75	3	18.8
14	Sheikhupura	20	50	3	15.0

15	M.Garh	41	139	6	14.6
16	Kasur	31	115	4	12.9
17	Mianwali	8	13	1	12.5
18	Lodhran	13	53	1	7.7
19	Nankana Sahib	28	122.75	2	7.1
20	Multan	4	10	0	0.0
21	Vehari	15	57	0	0.0
22	Sahiwal	27	67	0	0.0
23	Pakpattan	23	50	0	0.0
24	Okara	19	31	0	0.0
25	Bahawalpur	1	7	0	0.0
26	Bahawalnagar	0	0	0	0.0
27	R.Y.Khan	0	0	0	0.0
28	Rajanpur	10	13	0	0.0
29	Ferozwala	0	0	0	0.0
30	Gujranwala	5	3.75	0	0.0
31	Hafizabad	2	4	0	0.0
32	Wazirabad	0	0	0	0.0
33	Sialkot	7	71.1	0	0.0
34	M.B. Din	4	5	0	0.0
35	Gujrat	3	4	0	0.0
36	TTSingh	2	8	0	0.0
37	Jhang	25	71	0	0.0
38	Jehlum	12	51	0	0.0
G.TOT 2023		488	1269	77	15.8

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 1ST WEEK OF JULY, 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	Jhang	5	11	3	60.0
2	Layyah	6	9	1	16.7
3	Lodhran	22	22	3	13.6
4	Khushab	9	12.25	1	11.1
5	Chiniot	31	47.5	2	6.5
6	Faisalabad	49	60.9	3	6.1
7	Gujranwala	35	55	1	2.9
8	Multan	16	16	0	0.0
9	Khanewal	47	91	0	0.0
10	Vehari	15	17	0	0.0
11	Sahiwal	41	41	0	0.0
12	Pakpattan	24	29	0	0.0
13	Okara	13	24	0	0.0
14	Bahawalpur	27	34	0	0.0

15	Bahawalnagar	18	27	0	0.0
16	R.Y.Khan	8	8	0	0.0
17	D.G.Khan	3	3	0	0.0
18	M.Garh	39	41	0	0.0
19	Rajanpur	18	22	0	0.0
20	T.T.Sing	21	26.25	0	0.0
21	Lahore	10	21	0	0.0
22	Kasur	31	60	0	0.0
23	Sheikhupura	95	163	0	0.0
24	Ferozwala	0	0	0	0.0
25	Nankana Sahib	46	64.75	0	0.0
26	Sargodha	17	31.5	0	0.0
27	Minawali	29	33	0	0.0
28	Bhakkar	0	0	0	0.0
29	Hafizabad	21	32.5	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	23	7.625	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	1	0.1	0	0.0
G.TOT 2023		720	1010	14	1.94

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 1ST WEEK OF JULY, 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	3	1.75	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	6	3.75	0	0.0
26	Minawali	52	75	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	4	3.5	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	Jhelum	0	0	0	0.0
36	Chakwal	15	4.875	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		80	89	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	35.7	27.3
Pakpattan	35.4	27.1
Okara	37.7	27.7
Jhang	36.6	27.4
Toba Tek Singh	36.3	27.0
Chiniot	35.7	27.2
Multan	38.4	28.8
Khanewal	37.7	27.7
Vehari	37.8	27.6
Lodhran	38.0	29.0
AVG	36.9	27.7

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