




DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
AGRICULTURE HOUSE, 21 – DAVIS ROAD, LAHORE.
Phone: 042 – 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

نظامت اعلیٰ
(پیست وارننگ و کیفیت کنٹرول
آف پھسٹ سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3RD WEEK OF MAY, 2023.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 3RD week of May in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 22 districts, infestation is reported on Sorghum Crop from 02 district, and infestation is reported on Alternate Host Plants from 03 district, which is expected to Increase in coming period.


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

No. 4040-46 /DGA (PW&QCP)

Dated: 23-05-2023

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 3RD WEEK OF MAY, 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	0.00	8.72	0.19	9.15	1.58	8.36	Decreasing
2	Fall Armyworm	10.45	-	9.15	-	16.36	-	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	0.52	11.99	0.49	12.25	1.44	2.17	Increasing
2	Fall Armyworm	0.39	-	0.82	-	3.97	-	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	-	0.00	-	0.00	-	-

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	Lucern/Sesame	20.0	-	Reported	
2	Cauliflower	100.0	-	Reported	
3	Sorghum	20.0	-	Reported	

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3 RD WEEK OF MAY, 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	19	26	7	36.8
2	Bahawalpur	25	388	9	36.0
3	R.Y.Khan	18	42	6	33.3
4	Sargodha	61	122.25	20	32.8
5	Layyah	11	22	3	27.3
6	Multan	30	204	8	26.7

7	Bhakkar	4	4	1	25.0
8	M.Garh	44	124	10	22.7
9	Kasur	50	183	11	22.0
10	Khanewal	48	219	8	16.7
11	Lodhran	42	773	5	11.9
12	Lahore	22	171	2	9.1
13	Mianwali	12	15-4.	1	8.3
14	Sheikhupura	83	405	6	7.2
15	Okara	17	104	1	5.9
16	Jhang	17	84	1	5.9
17	Faisalabad	106	224.4	6	5.7
18	Pakpattan	22	65	1	4.5
19	Sahiwal	45	235	2	4.4
20	Vehari	75	361	3	4.0
21	Gujranwala	28	141.5	1	3.6
22	Chiniot	89	658	3	3.4
23	Bahawalnagar	16	63	0	0.0
24	Rajanpur	13	18	0	0.0
25	Nankana Sahib	12	17.75	0	0.0
26	Ferozwala	0	0	0	0.0
27	Hafizabad	8	50	0	0.0
28	Wazirabad	3	6	0	0.0
29	Sialkot	32	502.6	0	0.0
30	Narowal	19	26	0	0.0
31	M.B. Din	5	13	0	0.0
32	Gujrat	7	12.25	0	0.0
33	TTSingh	32	89	0	0.0
34	Khushab	11	8.25	0	0.0
35	Jehlum	28	214	0	0.0
36	Chakwal	14	5.625	0	0.0
37	Rawalpindi	26	11.6	0	0.0
38	Attock	7	3.8	0	0.0
G.TOT 2023		1101	5597	115	10.4

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 3RD WEEK OF MAY, 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	Layyah	6	9	1	16.7
2	Lodhran	27	28	2	7.4
3	Multan	27	38	0	0.0
4	Khanewal	64	107	0	0.0
5	Vehari	75	79	0	0.0
6	Sahiwal	61	81	0	0.0

7	Pakpattan	18	22	0	0.0
8	Okara	21	21	0	0.0
9	Bahawalpur	14	17	0	0.0
10	Bahawalnagar	11	15	0	0.0
11	R.Y.Khan	11	19	0	0.0
12	D.G.Khan	0	0	0	0.0
13	M.Garh	31	44	0	0.0
14	Rajanpur	21	28	0	0.0
15	Faisalabad	34	47	0	0.0
16	T.T.Sing	13	11.5	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	11	37	0	0.0
20	Kasur	16	26	0	0.0
21	Sheikhupura	115	183	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	16	16.5	0	0.0
24	Sargodha	57	62.5	0	0.0
25	Khushab	10	6.5	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	10	20.75	0	0.0
29	Hafizabad	19	41	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	46	41.5	0	0.0
33	M.B.Din	5	13	0	0.0
34	Gujrat	9	13.5	0	0.0
35	Jhelum	3	2	0	0.0
36	Chakwal	9	1.375	0	0.0
37	Rawalpindi	2	1	0	0.0
38	Attock	5	3.13	0	0.0
G.TOT 2023		767	1035	3	0.39

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 3RD WEEK OF MAY, 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	0	0	0	0.0
24	Sargodha	9	8.25	0	0.0
25	Khushab	2	3	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	3	3	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	5	0.625	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		19	14.875	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	37.7	35.0
Pakpattan	37.4	34.8
Okara	37.2	34.5
Jhang	38.3	26.8
Toba Tek Singh	37.3	24.3
Chiniot	36.8	24.0
Multan	36.5	34.2
Khanewal	38.1	26.1
Vehari	38.0	25.8
Lodhran	38.8	26.8
AVG	37.6	29.2

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