



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
(پست وارنگ ایگزیکوٹو کنٹرول)
آف ایگریکولچر ہاؤس لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1ST**
WEEK OF JULY, 2022.

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 25 districts, infestation is reported on Sorghum Crop from 07 district and infestation is reported on Millet Crop from 01 district which is expected to increase in coming period.


Assistant Director of Agri. (PP) Hq
For DIRECTOR GENERAL

No. 8900-06 /DGA (PW&QCP)

Dated: 07-07-22

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, 2022

Pest Situation of Maize Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.39	6.05	0.27	7.30	0.61	9.49	Increasing
2	Fall Armyworm	21.09	-	18.78	-	1.62	-	Increasing

Pest Situation of Sorghum Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.78	10.20	1.04	6.10	-	-	Decreasing
2	Fall Armyworm	4.71	-	2.59	-	-	-	Increasing

Pest Situation of Millet Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	-	-	-
2	Fall Armyworm	2.33	-	0.00	-	-	-	Increasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1ST WEEK OF JULY, 2022

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Rawalpindi	44	29.1	14	31.8
2	Chiniot	33	109	11	33.3
3	Faisalabad	41	47.5	10	24.4
4	Khanewal	7	15	7	100.0
5	Kasur	34	124	7	20.6
6	Sargodha	24	30	6	25.0
7	Multan	16	103	5	31.3
8	D.G.Khan	44	57	5	11.4
9	M.B. Din	26	56	5	19.2
10	Sahiwal	17	40	4	23.5
11	Okara	14	21	4	28.6
12	Nankana Sahib	13	71.5	4	30.8
13	Vehari	15	81	3	20.0

14	Pakpattan	11	35	3	27.3
15	Lahore	16	111	3	18.8
16	Sheikhupura	8	SKP	3	37.5
17	Chakwal	8	2.25	3	37.5
18	TTSingh	9	14.25	2	22.2
19	Jhang	10	21	2	20.0
20	Bhakkar	6	2.75	2	33.3
21	M.Garh	24	30	1	4.2
22	Gujranwala	11	44	1	9.1
23	Hafizabad	5	36	1	20.0
24	Sialkot	5	12	1	20.0
25	Jehlum	16	77	1	6.3
26	Lodhran	14	77	0	0.0
27	Bahawalpur	0	0	0	0.0
28	Bahawalnagar	0	0	0	0.0
29	R.Y.Khan	8	8	0	0.0
30	Rajanpur	12	14	0	0.0
31	Layyah	0	0	0	0.0
32	Ferozwala	0	0	0	0.0
33	Narowal	6	7	0	0.0
34	Gujrat	7	6.5	0	0.0
35	Khushab	0	0	0	0.0
36	Mianwali	7	8.4	0	0.0
37	Attock	1	0.6	0	0.0
G.TOT 2022		512	1291	108	21.1

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 1ST WEEK OF JULY, 2022**

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	22	42	6	27.3
2	Khanewal	18	32	5	27.8
3	Faisalabad	79	135.5	4	5.1
4	M.B.Din	19	33	3	15.8
5	Chakwal	13	6.95	3	23.1
6	Lahore	19	50	2	10.5
7	Nankana Sahib	24	50	1	4.2
8	Vehari	0	0	0	0.0
9	Lodhran	0	0	0	0.0
10	Sahiwal	0	0	0	0.0
11	Pakpattan	0	0	0	0.0
12	Okara	0	0	0	0.0
13	Bahawalpur	0	0	0	0.0

14	Bahawalnagar	0	0	0	0.0
15	R.Y.Khan	0	0	0	0.0
16	D.G.Khan	0	0	0	0.0
17	M.Garh	0	0	0	0.0
18	Rajanpur	0	0	0	0.0
19	Layyah	0	0	0	0.0
20	T.T.Sing	35	33.5	0	0.0
21	Jhang	0	0	0	0.0
22	Chiniot	31	55	0	0.0
23	Kasur	20	58	0	0.0
24	Sheikhupura	10	28	0	0.0
25	Ferozwala	0	0	0	0.0
26	Sargodha	24	27.7	0	0.0
27	Khushab	30	24	0	0.0
28	Minawali	0	0	0	0.0
29	Bhakkar	0	0	0	0.0
30	Gujranwala	26	59	0	0.0
31	Hafizabad	23	71.5	0	0.0
32	Sialkot	52	115	0	0.0
33	Narowal	45	66.5	0	0.0
34	Gujrat	18	42.5	0	0.0
35	Jehlum	2	4.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2022		510	934.7	24	4.7

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 1ST WEEK OF JULY, 2022**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Chakwal	10	3.75	1	10.0
2	Multan	0	0	0	0.0
3	Khanewal	0	0	0	0.0
4	Vehari	0	0	0	0.0
5	Lodhran	0	0	0	0.0
6	Sahiwal	0	0	0	0.0
7	Pakpattan	0	0	0	0.0
8	Okara	0	0	0	0.0
9	Bahawalpur	0	0	0	0.0
10	Bahawalnagar	0	0	0	0.0
11	R.Y.Khan	0	0	0	0.0
12	D.G.Khan	0	0	0	0.0
13	M.Garh	0	0	0	0.0

14	Rajanpur	0	0	0	0.0
15	Layyah	0	0	0	0.0
16	Faisalabad	1	4	0	0.0
17	T.T.Sing	0	0	0	0.0
18	Jhang	0	0	0	0.0
19	Chiniot	2	8	0	0.0
20	Lahore	0	0	0	0.0
21	Kasur	0	0	0	0.0
22	Sheikhupura	0	0	0	0.0
23	Ferozwala	0	0	0	0.0
24	Nankana Sahib	0	0	0	0.0
25	Sargodha	6	9	0	0.0
26	Khushab	10	2.25	0	0.0
27	Minawali	0	0	0	0.0
28	Bhakkar	2	0.7	0	0.0
29	Gujranwala	0	0	0	0.0
30	Hafizabad	3	13	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	1	10	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	8	9.25	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		43	59.95	1	2.3

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	38.4	30.3
Pakpattan	38.3	30.1
Okara	13.6	8.6
Jhang	40.0	31.4
Toba Tek Singh	38.7	29.8
Chiniot	33.3	26.3
Multan	38.6	31.0
Khanewal	39.8	30.7
Vehari	39.8	30.7
Lodhran	38.8	29.6
AVG	35.9	27.8

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C and it is predicted that the average temperature for the next week may favor for the development of Fall Army Worm.

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