



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
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹ سائینسز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2ND**
WEEK OF JUNE, 2022.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 2ND week of June in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 24 districts, infestation is reported on Sorghum Crop from 07 district, infestation is reported on Millet Crop from 01 district which is expected to increase in coming period.


DIRECTOR GENERAL

No. 7935-41 /DGA (PW&QCP)

Dated: 16-06-2022

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 2ND WEEK OF JUNE, 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	0.14	8.33	0.00	8.72	0.23	4.46	Increasing
2	Fall Armyworm	16.26	-	14.86	-	0.94	-	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	0.55	8.90	0.70	5.78	0.00	0.00	Decreasing
2	Fall Armyworm	2.19	-	2.80	-	0.00	-	Decreasing

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	1.89	0.00	1.32	0.00	0.00	-
2	Fall Armyworm	7.55	-	1.32	-	0.00	-	Increasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF JUNE, 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	Faisalabad	76	129.9	15	19.7
2	D.G.Khan	120	142	14	11.7
3	Chiniot	37	187	9	24.3
4	Pakpattan	48	263	8	16.7
5	Kasur	50	266	8	16.0
6	Sargodha	29	152.8	8	27.6
7	Multan	15	38	6	40.0
8	Rawalpindi	35	20.2	6	17.1
9	Khanewal	8	31	5	62.5
10	M.B. Din	26	69	5	19.2
11	Jhang	12	30	5	41.7
12	Sheikhupura	12	43	4	33.3
13	Gujranwala	17	62.5	4	23.5

14	M.Garh	43	53	3	7.0
15	Lahore	12	103	3	25.0
16	Gujrat	12	44.39	3	25.0
17	Sahiwal	17	76	2	11.8
18	Okara	17	43	2	11.8
19	Rajanpur	16	22	2	12.5
20	Bhakkar	8	7.2	2	25.0
21	Chakwal	11	8.25	2	18.2
22	Nankana Sahib	23	23	1	4.3
23	Narowal	14	27	1	7.1
24	Jhelum	12	71	1	8.3
25	Vehari	0	0	0	0.0
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	0	0	0	0.0
30	Layyah	0	0	0	0.0
31	Ferozwala	0	0	0	0.0
32	Hafizabad	8	38.5	0	0.0
33	Sialkot	16	110	0	0.0
34	TTSingh	2	1.4	0	0.0
35	Khushab	4	11	0	0.0
36	Mianwali	8	8	0	0.0
37	Attock	10	16.65	0	0.0
G.TOT 2022		732	2175	119	16.3

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 2ND WEEK OF JUNE, 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	T.T.Sing	31	38.75	5	16.1
2	Khanewal	20	51	4	20.0
3	Sargodha	72	117.75	2	2.8
4	M.B.Din	17	30	2	11.8
5	Faisalabad	87	108.9	1	1.1
6	Gujrat	27	45.39	1	3.7
7	Chakwal	17	7.75	1	5.9
8	Multan	0	0	0	0.0
9	Vehari	0	0	0	0.0
10	Lodhran	0	0	0	0.0
11	Sahiwal	0	0	0	0.0
12	Pakpattan	0	0	0	0.0

13	Okara	0	0	0	0.0
14	Bahawalpur	0	0	0	0.0
15	Bahawalnagar	0	0	0	0.0
16	R.Y.Khan	0	0	0	0.0
17	D.G.Khan	0	0	0	0.0
18	M.Garh	0	0	0	0.0
19	Rajanpur	0	0	0	0.0
20	Layyah	0	0	0	0.0
21	Jhang	5	26	0	0.0
22	Chiniot	40	83	0	0.0
23	Lahore	13	38	0	0.0
24	Kasur	41	97	0	0.0
25	Sheikhupura	65	135	0	0.0
26	Ferozwala	0	0	0	0.0
27	Nankana Sahib	27	32	0	0.0
28	Khushab	51	95.25	0	0.0
29	Minawali	0	0	0	0.0
30	Bhakkar	21	15.1	0	0.0
31	Gujranwala	33	65.08	0	0.0
32	Hafizabad	39	98.5	0	0.0
33	Sialkot	54	96	0	0.0
34	Narowal	66	84	0	0.0
35	Jehlum	4	5.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2022		730	1270	16	2.2

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 2ND WEEK OF JUNE, 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	12	4.875	4	33.3
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	0	0	0	0.0
17	T.T.Sing	0	0	0	0.0
18	Jhang	0	0	0	0.0
19	Chiniot	2	4	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	13	23	0	0.0
26	Khushab	4	7.5	0	0.0
27	Minawali	0	0	0	0.0
28	Bhakkar	20	13.5	0	0.0
29	Gujranwala	0	0	0	0.0
30	Hafizabad	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	1	2	0	0.0
35	Jehlum	1	2	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		53	56.88	4	7.5

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	37.4	28.1
Pakpattan	37.4	28.1
Okara	37.4	28.1
Jhang	39.4	29.4
Toba Tek Singh	38.3	28.8
Chiniot	37.1	27.6
Multan	38.3	29.0
Khanewal	38.4	29.1
Vehari	38.4	29.1
Lodhran	39.4	29.7
AVG	38.1	28.7

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