



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

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

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1ST**
WEEK OF AUGUST, 2021.

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

At present the pest infestation is reported on Maize Crop from 18 districts whereas the infestation on Sorghum Crop is observed from 10 districts in Punjab which is expected to increase in coming period.


DIRECTOR GENERAL

No. 9615-21 /DGA(PW&QCP) Dated: 10-08-2021

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.
- Director General 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 AUGUST, 2021**

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.93	7.41	1.13	8.37	Decreasing
2	Fall Armyworm	16.05	-	8.21	-	Increasing

Pest Situation of Sorghum Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.84	11.47	0.75	11.04	Increasing
2	Fall Armyworm	2.93	-	1.83	-	Increasing

DISTRICT WISE PERCENTAGE OF HOT SPOTS OF FALL ARMYWORM

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1ST WEEK OF AUGUST 2021					
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Narowal	5	8	3	60.0
2	R.Y.Khan	12	21	6	50.0
3	Pakpattan	38	392	18	47.4
4	Lodhran	26	234	10	38.5
5	Multan	22	113	8	36.4
6	Chiniot	14	47	5	35.7
7	Sahiwal	31	221	11	35.5
8	Khanewal	18	78	6	33.3
9	Vehari	30	217	10	33.3
10	Okara	18	115	6	33.3
11	Sargodha	32	197	7	21.9
12	Nankana Sahib	6	12.5	1	16.7
13	TTSingh	9	12.25	1	11.1
14	Sheikhupura	22	95	2	9.1
15	Bhakkar	36	18.1	3	8.3
16	Faisalabad	52	72.3	4	7.7

17	Rawalpindi	21	19.5	1	4.8
18	Kasur	43	176	2	4.7
19	D.G.Khan	59	101	0	0.0
20	M.Garh	12	15	0	0.0
21	Rajanpur	4	5	0	0.0
22	Layyah	10	31	0	0.0
23	Lahore	19	158	0	0.0
24	Hafizabad	3	6	0	0.0
25	Sialkot	7	19	0	0.0
26	M.B. Din	7	12	0	0.0
27	Gujrat	2	11.0	0	0.0
28	Jhang	29	57	0	0.0
29	Mianwali	10	16	0	0.0
30	Jhelum	7	20	0	0.0
31	Chakwal	39	37.5	0	0.0
32	Attock	5	7.4	0	0.0
G.TOT 2021		648	2545	104	16.0

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 1ST WEEK OF AUGUST 2021**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Pakpattan	27	36	15	55.6
2	T.T.Sing	18	21.5	4	22.2
3	Okara	10	13	2	20.0
4	M.B.Din	7	10	1	14.3
5	Sahiwal	40	52	4	10.0
6	M.Garh	16	19	1	6.3
7	Faisalabad	91	94.5	4	4.4
8	Multan	36	61	1	2.8
9	Sargodha	101	175	2	2.0
10	Jhang	63	99	1	1.6
11	Khanewal	89	168	0	0.0
12	Vehari	30	58	0	0.0
13	Lodhran	18	22	0	0.0
14	Bahawalpur	8	11	0	0.0
15	Bahawalnagar	14	19	0	0.0
16	R.Y.Khan	50	50	0	0.0
17	D.G.Khan	75	95	0	0.0
18	Rajanpur	55	57	0	0.0
19	Layyah	10	19	0	0.0

20	Chiniot	21	41	0	0.0
21	Lahore	13	54	0	0.0
22	Kasur	52	97	0	0.0
23	Sheikhupura	31	61	0	0.0
24	Ferozwala	15	22	0	0.0
25	Nankana Sahib	25	59.75	0	0.0
26	Minawali	12	21.0	0	0.0
27	Bhakkar	42	19.7	0	0.0
28	Gujranwala	32	109.5	0	0.0
29	Hafizabad	11	11.5	0	0.0
30	Sialkot	75	144	0	0.0
31	Narowal	33	36	0	0.0
32	Gujrat	24	41	0	0.0
33	Jehlum	4	10	0	0.0
34	Chakwal	46	28.65	0	0.0
G.TOT 2021		1194	1836	35	2.9

FORECAST FOR THE NEXT WEEK:

The optimum temperature for Fall Armyworm is 25-35 °C and RH is 80% while the temperature forecast for the next 7 days particularly in Sahiwal Division is Maximum. Avg is 38.86 °C, Minimum Avg. is 29.14 °C and RH will be 35.14%. So it can be predicted that in the coming days the pest infestation may increase under existing climatic conditions.

MANAGEMENT PRACTICES:

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

1. Conduct Pest scouting twice in a week.
2. Install light traps in maize fields for correct identification of pest.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls where pest attack is at lower ebb.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides.
8. Avoid repeated applications of pesticides having same mode of action.
9. Try Bio-Pesticides & Botanicals.
10. Conserve and attract natural enemies.
11. At present no pesticides is 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