

PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 4TH WEEK OF JUNE, 2021

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Hopper	0.00	0.21	0.00	0.00	-
2	Shoot Fly	0.11	2.34	0.00	2.12	Increasing
3	Maize Stem Borer	0.00	7.77	0.49	8.50	Decreasing
4	Armyworm	2.34	-	1.80	-	Increasing
5	Fall Armyworm	0.96	-	2.94	-	Decreasing
6	Stalk Rot	0.00	-	0.33	-	Decreasing
7	Leaf Blight	0.00	-	0.49	-	Decreasing
8	Smut	0.00	-	0.00	-	-

DISTRICT WISE PERCENTAGE OF HOT SPOTS OF FALL ARMYWORM

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF JUNE 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	Sheikhupura	12	33	3	25.0
2	Hafizabad	6	20.5	2	33.3
3	Sahiwal	18	48	1	5.6
4	Kasur	45	155	1	2.2
5	Narowal	23	46	1	4.3
6	M.B.Din	21	33	1	4.8
7	Multan	12	41	0	0.0
8	Khanewal	17	43	0	0.0
9	Vehari	18	53	0	0.0
10	Pakpattan	42	170	0	0.0
11	Okara	9	11	0	0.0
12	D.G.Khan	151	237	0	0.0
13	M.Garh	10	13	0	0.0
14	Rajanpur	3	3	0	0.0
15	Layyah	9	14	0	0.0
16	Faisalabad	97	199.6	0	0.0
17	T.T.Sing	11	14.5	0	0.0
18	Jhang	123	189	0	0.0
19	Chiniot	7	51	0	0.0
20	Lahore	12	69	0	0.0
21	Ferozwala	7	9	0	0.0

22	Nankana Sahib	4	5.5	0	0.0
23	Sargodha	57	86.75	0	0.0
24	Khushab	2	3	0	0.0
25	Minawali	14	34	0	0.0
26	Bhakkar	38	36.3	0	0.0
27	Gujranwala	14	46.5	0	0.0
28	Sialkot	70	251	0	0.0
29	Gujrat	7	22.25	0	0.0
30	Jehlum	17	86	0	0.0
31	Chakwal	25	16.88	0	0.0
32	Rawalpindi	28	22.3	0	0.0
33	Attock	11	13.7	0	0.0
G.TOT 2021		940	2077	9	1.0

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 40 °C, Minimum Avg. is 27 °C and RH will be 50%. So it can be predicted that in the coming days the pest infestation may Sustain 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, Emamectin@ 240ml/A, Leufenuron @ 240ml/A, Spintoram (120SC) @ 100ml/A.
Chlorantraniliprole 20%SC@100ml/A