

Expt. No. 18: NPE 2				Plot No. 2		
Title:			Population dynamics of key pests of cotton in relation to climatic condition			
Objectives:			To know the periodical incidence of key pests of cotton and to develop suitable pest forecasting model			
Year of commencement:			2012-13			
Year of experiment			2022-23			
Experimental Details:						
1	Design		Large Plot			
2	Replication		Protected and Unprotected plots			
3	Plot size (m)					
		No.	Variety/Hybrid	Protected (sq.m.)	Unprotected (sq.m.)	Total area (sq.m.)
		1	G.Cot.Hy.8 BG II	238.14	238.14	476.28
4	No. of treatments/ varieties		G.Cot.Hy.8 BG II			
5	No. of rows/plot		8 (P) + 8 (U)			
6	No. of dibbles /row		42 (P) + 42 (U)			
7	Spacing in cm		120 x 45			
8	Block size in sq. mt.		238.14 (P) + 238.14 (U)			
9	Expt. area in ha		0.05			
10	FYM CL/ha		--			
11	Fertilizer dose NPK kg/ha		240-40-00			
12	Previous crop & fertilizers		Cotton			
13	No. of irrigation		As and when required			
14	Date of sowing		20/06/2022			
15	Date of germination		24/06/2022			
16	Date of gap filling		30/06/2022			
17	No. on plant protection		Block A: Sucking pest block (Record observation of sucking pests). Keep untreated for sucking pests. Block B: Bollworm blocks (Record observation of bollworms). Apply minimum two sprays to control jassids and other sucking pests by use of neonicotinoids (imidacloprid/ acetamiprid/ thiamethoxam/ clothianidin). Keep untreated for bollworms.			
18	Date of picking		--			
19	Other information if any		Observations to be recorded: Weekly observations for aphid, jassid, whitefly, thrips (3 leaves/plant), mealy bug, ABW, SBW, PBW and associated natural enemies after one month of sowing (Natural enemies to be recorded species wise).			

LAYOUT

