

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 29th August to 4th September 2016

"The advisory is based on inputs received from the State Agricultural Universities of the respective state

WEATHER ADVISORY

Date	IMD Rainfall													Advisory
	Received							Forecast						
	18 to 24	24	25	26	27	28	29	30	31	1	2	3	4	
PUNJAB														<p>The crop in Irrigated tracts of Rajasthan is entering the peak boll development stage. Care should be taken to irrigate the crop atleast once during the week to avoid forced boll bursting. The crop is healthy and the incidence of pest and diseases are below ETL.</p> <p>The cotton crop situation in Punjab is encouraging. The cotton leaf curl virus is at range of Grade I to III. Bacterial blight is seen in some fields. No spraying is required as it may not cause any economic advantage, in the absence of insects at ETL and also as the crop has entered the maturation stage. All the three sucking pests namely whitefly, leafhopper and thrips were recorded as below ETL in the 119 villages surveyed in Faridkot, Muktsar and Fazilka districts. In Bathinda among the 14 villages surveyed, in 2 locations of Lehari village whitefly was recorded as above ETL on Bt hybrids. Regular surveillance of whitefly should be done for timely management on alternate host crops. If there is parawilt after heavy rain/irrigation, it may be managed as per PAU recommendations with 10ppm Cobalt chloride (10mg/ltr of water) on affected plants within few hours of symptom appearance.</p>
Bathinda	23	0	4	0	10	70	34	6	0	0	0	0	0	
Ferozepur	0	0	10	4	3	25	3	0	0	0	0	0	0	
Muksar	0	0	3	4	0	36	1	0	0	0	0	0	0	
Mansa	0	0	10	0	0	0	0	17	0	3	0	0	0	
HARYANA														
Sirsa	3.8	0	17	0	5	19	21	17	0	3	0	0	0	
Hissar	1.9	0	8	0	1	0	12	16	0	10	0	0	0	
Fatehabad	0	0	17	0	1	0	21	18	0	6	0	0	0	
RAJASTHAN														
Hanumangarh	0.6	0	5	6	3	3	32	17	5	4	3	0	0	
Sri Ganganagar	3.6	0	6	1	0	10	17	0	5	4	3	0	0	
Banswara	203	31	1	2	0	7	2	1	6	6	5	4	2	

														At Hisar, the crop is normal at reproductive stage. The population of whitefly and leaf hopper was observed below ETL in all the fields surveyed. CLCuD from traces to 3 grade/disease severities at farmer's field was observed in Hisar, Jind, Bhiwani, Kaithal, Mahendergarh and Rewari districts. No incidence of bacterial leaf blight disease.
ORISSA														The crop has entered the flowering stage. The advanced stage of monsoon has lead to cloudy weather and heavy rains. Weeding is to be taken up. Foliar application of planofix as per cotton manual is to be taken to avoid square and boll shedding. The Incidence of aphids, jassids, semilooper and grass hoppers noticed but were below ETL. Pheromone traps can be installed to monitor the pick bollworm activity.
Koraput	5.8	o	0	17	52	2	7	0	30	37	53	31	27	
Kalahandi	7.6	o	18	9	19	0	4	1	28	26	33	9	26	
Balangir	18	9.7	10	2	5	0	2	0	19	16	15	12	32	
GUJARAT														Flowering has set in Weeds were noticed to support sucking pest infestation in cotton. Jassid infestation was observed to be above ETL (8 to 12 / 3 leaves/plant), Whitefly populations were below ETL (2 to 3/ 3 leaves/plant), Aphid populations were above ETL (19 to 23 / 3 leaves/plant) in a few fields, Mealy bugs were below ETL (0 to 1 Grade /plant). Among the five villages surveyed, leafhopper and thrips were recorded above ETL in 2 locations each at Vadad,Bhiyada,1 location each at Jalansar, Thaniyana and Bhalgam villages on Bt hybrids. In all the locations of the 5 villages except Jalansar, pinkbollworm was recorded as above ETL (10%-20%infestation on flowers). Protective measures need to be taken as per the Cotton manual. No disease incidence has been observed. Farmers are also advised to install pheromone traps @ 10-20/ha for mass trapping of pink boll worm only if moth populations are low.
Amreli	1.5	0.3	4	25	1	6	2	3	6	6	6	0	0	
Bhavnagar	8.4	3.4	6	23	2	1	26	7	3	6	5	0	0	
Jamnagar	3.1	3.1	12	3	4	5	14	20	0	0	0	0	0	
Rajkot	1.4	1.3	16	5	7	13	12	5	0	0	0	0	0	
Broach	5.3	1.4	2	8	11	4	1	2	17	8	10	0	0	
Sabarkantha	112	55	6	6	1	13	2	4	21	14	13	0	0	
Surendranagar	6.1	6.1	54	40	2	3	10	3	6	5	5	0	0	
Ahmedabad	18	9.2	19	26	4	2	8	8	13	6	5	0	0	
Baroda	34	5.3	2	4	6	18	1	3	10	5	8	8	4	
Patan	62	41	56	1	4	19	7	11	20	0	0	0	0	
Mahesana	60	39	9	6	2	25	5	6	25	3	3	0	0	
MP														Sucking pests specially jassids and whiteflies were observed in almost all the areas. The incidence of aphids and thrips have also started appearing in some areas. Farmers are advised to initiate control measures as per manual wherever sucking pests cross ETL. No incidence of diseases.
Khargaan	40	2	2	0	1	2	3	1	8	8	5	5	0	
Dhar	108	2.9	0	1	1	8	0	0	19	8	3	0	0	
Khandwa	39	9	0	0	0	25	0	10	10	11	6	6	3	
MAHARASHTRA														The crop has entered boll development stage and due to the brief dry spell, rainfed crop may experience moisture stress in some locations which did not receive rains over the fortnight. Intercultural operations may be taken up for better aeration. Final top dressing of urea is recommended. In Akola leafhoppers and thrips were recorded above ETL in 2-3 locations in Kadoshi, Andhar Sowangi and Navegaon villages respectively on bt hybrids. In Nanded whitefly was recorded above ETL in 2 locations of Pimpalgaon Mahadev and Jawala villages. Leafhopper and thrips were recorded above ETL in all the 5 locations of each of Delup, Pimpalgaon Mahadev ,Jawala ,Unchegaon villages and 3 locations at Bellori Dhanora village. Infestation of pinkbollworm
Dhule	14	9	0	0	1	3	3	3	5	3	3	4	1	
Nandurbar	27	13	4	2	2	0	4	1	5	2	5	3	2	
Jalgaon	5.9	3.1	3	0	1	17	3	1	5	7	4	4	2	
Ahmednagar	0.7	0.1	0	0	5	0	6	1	8	15	25	20	6	
Aurangabad	1.1	0.1	1	0	0	16	0	0	4	6	5	6	0	

Jalna	1.7	0	11	0	24	11	2	8	2	0	0	2	1	was recorded above ETL in 2-5 locations in 5 villages surveyed on Dr.Brent, Mallika BG II, Jadhv BG II, BramhaBG II, Ajeet 155 Bt hybrids. In Rahuri only thrips were above ETL in 2,1,2 locations at Sade Gotumbe, Akhada Pimpri, Avghad villages respectively. Management of pests may be taken up as recommended in Cotton Plant Health Manual of this web-site.
Beed	3.4	0	0	0	5	9	6	14	2	20	40	4	3	
Nanded	6	1.5	3	0	2	2	2	0	45	12	0	4	0	
Parbhani	4.7	1.6	4	0	0	17	3	5	12	7	0	5	0	
Hingoli	14	0.3	15	0	0	5	0	2	30	10	15	4	0	
Buldhana	3.7	1.9	0	0	1	3	0	1	6	7	3	4	2	
Akola	7.3	6.2	1	0	0	1	0	0	5	3	0	0	0	
Washim	15	14	1	0	0	1	2	6	5	5	0	0	0	
Amravati	3.4	1.8	1	1	2	0	10	0	10	10	7	6	0	
Yavatmal	7.5	3.6	2	0	0	1	4	4	5	5	0	0	0	
Wardha	5.7	5.6	0	0	0	3	0	9	4	2	0	0	0	
Nagpur	0.2	0.2	0	8	9	2	0	0	7	4	2	5	1	
Chandrapur	11	7.4	7	7	5	1	0	6	8	2	1	2	2	
TELANGANA														
Adilabad	7.1	6.3	12	1	5	5	7	6	20	5	0	2	0	
Warangal	6.4	6.1	4	8	7	2	14	5	28	15	10	6	7	
Khammam	9.5	7.8	5	9	11	12	3	16	35	12	13	10	10	
Karimnagar	2.6	1.9	5	0	6	3	18	7	28	8	10	0	6	
Nalgonda	0.3	0	3	22	3	32	25	8	35	10	12	8	10	
Mahabubnagar	0.5	0.2	0	2	0	12	0	22	30	12	6	5	10	

AP													
Guntur	0.3	0	22	21	16	47	28	27	34	5	8	4	4
Prakasam	0	0	2	18	22	19	9	9	35	5	12	8	6
KARNATAKA													
Dharwad	14	5.6	0	1	2	0	1	0	15	17	21	20	14
Haveri	16	8.5	2	8	0	3	1	1	19	24	25	14	12
Mysore	4.4	0	0	3	3	0	1	2	2	4	5	2	1
TAMILNADU													
Perambalur	16	0	0	7	14	0	0	10	0.5	0	0	0	1
Salem	33	10	0	17	25	0	1	0	0.5	1	1	0	0
Trichy	2.2	0	0	2	8	3	2	12	1	1	0	0	0
Virdhunagar	14	0	3	0	0	0	0	1	1	1	0	0	0

Among the 10 villages surveyed in Guntur, only thrips was recorded above ETL in 2 locations each at Nidumukkala, Ponnekallu, Peda parimi, Medikonduru, Siripuram, Lingapuram and Timmapuram villages and 3 locations each at Lemalle, Prattipadu, Yadlapadu villages on Jadoo, ATM, Bhakti, Pooja, RCH 659, Raja, Shiny Bt hybrids. In most of the Districts, incidence of Pink Bollworm was observed. It has touched ETL in 10-15 locations in Ananthapur and Cuddapah Districts. Pheromone traps should be installed immediately at field level for monitoring of incidence levels on community basis. Spray of 5% NSKE or neem oil at flowering stage may be taken up for the control of sucking pests and also to prevent egg laying of pink bollworm. Need based use of insecticides at ETL (8 months/trap/day for 3 days or one grown-up larva in 10 flowers or 10 green bolls): Application of fertilizers in the form of N and K as 1st top dressing should be taken up to mitigate the crop from nutritional stress soon after the receipt of the sufficient rainfall/soil moisture; In Nandyal also thrips were recorded above ETL in 2 and 3 locations of Hussainapuram, Rajupalem villages respectively on Bt hybrids.

Dry spell was being experienced in Dharwad and Haveri districts. Third and last top dressing with 25 kg/ac Urea and 25 kg/ac Potassium is suggested in 70 to 80 days old Bt cotton crop after light irrigation. Among the sucking pests only thrips was recorded above ETL in 3 locations each at Kakol, Somapur and Maradagi villages. Pinkbollworm was observed in 1 and 3 locations at Bankapur and Varadahalli villages respectively on BG-II Bt hybrids. Special monitoring and precautionary measures are suggested to manage pink boll worm incidence in Bt cotton in parts of Haveri and Dharwad districts.

Dry spell prevailed in majority of cotton growing areas. Thinning is advised in 15 to 20 days old crop. Gap filling is advised in 10 days old crop. Sowing cotton is also in progress. Weeding must be initiated in 25 days old crop. Pre emergence application of Pendimethalin 30% SC @ 1 lit /ha (3.3 litres commercial product) is recommended after cotton dibbling to prevent weed emergence.

Rainfall (mm)	< 5	5-20	21-50	51-80	> 80
Legend Colour					

0 mm rainfall in the blank spaces

Source: http://nwp.imd.gov.in/bias/dist_fcst.htm

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