

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 8th to 14th August 2016

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

WEATHER ADVISORY

Date	28 to 3	Actual Rainfall							IMD rainfall forecast					ADVISORY
		August-16							August-16					
		3	4	5	6	7	8	9	10	11	12	13	14	
PUNJAB														The crop is at fruting stage. Amongst the sucking pests, whitefly remained the dominant pest. The mean whitefly incidence/ leaf on cotton was 3.56 in Goniana, 4.4 in Malout, 3.9 in Bhagu (Muktsar); 4.9 in Khara, 3.0 in Ajit Gill, 4.17 in Seda Singh wala, 4.97 in Lambwali (Faridkot). Jassid incidence ranged from 3-6/ leaf at all locations. Cotton leaf curl disease ranges from Grade I to Grade III. Bacterial blight of cotton incidence was noticed. Chemical insecticides may be used only when the population reaches 6 whiteflies per leaf in the upper canopy. Jassid management should be done with care not to disrupt ecology. As per PAU recommendations, parawilt may be managed with drenching of 10ppm Cobalt chloride (10mg/ltr of water) on affected plants within few hours of symptom appearance. To control leaf spots or blight, spray the crop with CARBENDAZIM for leaf spot management 125g ai/ha at an interval of 15 to 20 days just after rain showers.
Bathinda	4.5	2.5	0	0	0	27.5	0	0	4	5	3	7	7	
Ferozepur	0	0	0	0	0	0.2	0.5	0	4	5	3	7	7	
Muktsar	11.4	11.4	0	0	0	0	0	0	4	5	3	7	7	
Mansa	0	0	0	0	0	0	0	17	0	0	10	17	9	
HARYANA														
Sirsa	0	0	0	1.3	0	8.3	0	0	0	0	11	30	11	
Hissar	28.2	0	0	3.4	0	0	0	0.1	0	0	41	33	11	
Fatehabad	20.3	12	2.7	0	0	0	0	0	0	0	21	22	10	
RAJASTHAN														
Hanumangarh	1.4	0.4	0	3.3	0	1	0	0						
Sri Ganganagar	29.3	0	5.5	1.4	0.5	0	13.6	2.7						
Banswara	95.8	18.9	61.4	5.4	4.1	10.4	33.1	52.3						
ORISSA														
Koraput	137.6	42.9	21.6	41.2	33.1	28	4.4	0.5	6	0	7	21	6	
Kalahandi	32.2	3.3	37.1	70.5	28.3	4	17.4	0	3	0	6	10	5	
Balangir	32	3.8	15.5	45.3	36.8	15.5	1.6	5.7	5	0	3	9	9	
GUJARAT														
Amreli	50.1	1.4	1	35.1	8.6	1.6	2.5	12.6	30	9	0	0	0	
Bhavnagar	78.2	0	0.9	22.1	2.8	0.5	1.9	4.8	25	6	0	0	0	
Jamnagar	88.3	1.3	3.2	83.2	147.2	30.1	23.1	5.2	37	0	0	0	0	
Rajkot	74.5	0.8	0.4	19.9	74.5	7.8	4.4	8.8	46	7	0	0	0	
Bharuch	44.1	1.1	1.7	2.3	11.5	12.4	8	8.3	24	27	0	0	0	
Sabarkantha	69.9	10.5	23.9	16.7	1.1	2.6	12	30.5	153	44	10	0	0	
Surendranagar	11.2	0.1	0	3	16.1	2.4	2.2	0.6	33	11	0	0	0	
Ahmedabad	31.9	0.3	5.7	26.9	8.6	3.4	8.2	7.3	46	17	0	0	0	
Baroda	114.4	17.4	5.6	1.9	10.1	14.8	13.3	21.3	0	0	0	0	0	
Patan	20.6	0	23.4	27.7	9.3	8.1	5.3	2	40	24	0	0	0	

Mahesana	47.9	0.6	6.9	9.4	2.3	9.9	7.3	13.4	61	25	0	0	0	<p>The crop is 30- 65 days old. Intermittent rainfall was recorded during last week in all the cotton growing areas. Rains and sunshine (on and off) received helped the cotton for its development and growth. Top dressing of 38 kg per ha. of nitrogenous fertilizer + 20-30 kg per ha Phosphorous + 10-20 kg Potash per ha is recommended. Sucking pest specially jassids and whiteflies were observed in almost all the areas. Farmers are advised to undertake management interventions as per the package of practices recommended in the 'Cotton Health Management Strategies for 2016-17' of the ICAR-CICR Advisory on this web page. No incidence of diseases was noticed.</p>
MP														
Khargaon	53.8	7.9	17	0.5	2.2	17.9	9.2	8.5	0	5	7	4	0	
Dhar	72	9.8	22.5	0.8	2.7	26.2	9.6	8.6	4	13	12	3	0	
Khandwa	100.5	20.7	45	1.3	4	51	4.1	3.7	3	7	10	5	0	
MAHARASHTRA														
Dhule	17.2	6.7	0.2	0	18.8	0.8	13.4	12.3	9	11	5	0	0	
Nandurbar	59.9	8.4	8.7	8.5	28.7	7.8	9.8	27.4	8	11	3	0	0	
Jalgaon	52.3	12.6	7.7	0.3	12.4	7.3	7	3.6	4	7	12	7	0	
Ahmednagar	64.7	34	7.4	0.6	4	2	0.2	0.6	8	9	7	10	10	
Aurangabad	63.1	40.2	3.8	0.6	15.7	0.4	0	0.1	5	6	6	6	4	
Jalna	56.2	11.3	2.2	0	9.3	0	0	0	0	0	0	0	0	
Beed	34.9	3.2	4	1.1	0.9	0	0	0	0	0	0	0	0	
Nanded	103.2	21.1	6.3	2	1.1	2.7	0.6	2	0	0	0	0	0	
Parbhani	81.3	6.4	4.1	2.1	1.8	0	0	0	0	0	0	0	0	
Hingoli	79.5	4	7.5	2	0.3	0	0	0	0	0	0	0	0	
Buldhana	78.6	11.1	11.6	2	3.9	4.6	0.1	1.7	2	3	3	3	1	
Akola	75.7	17.2	18.1	0.2	1	14.3	1.8	2.6	1	2	2	1	0	
Washim	90.4	13.6	4.9	0.7	12.1	3.9	3.1	6.7	1	0	0	0	0	
Amravati	72	17	11.3	4.5	10	15.6	2.5	3.4	2	2	1	3	2	
Yavatmal	82.4	13.4	5.9	5.8	2.7	13.7	5.8	4.9	1	0	1	0	2	
Wardha	103.2	11	7.3	5.3	8.6	4.7	1.4	8	0	0	0	1	2	
Nagpur	72	19.7	3.2	2.1	17.7	13	0.9	2	0	1	2	1	3	
Chandrapur	79.9	10.5	2.2	17.5	6.9	17	5.2	0.7	0	0	2	1	4	
TELANGANA														
Adilabad	68.1	23	23	1.1	6.1	3.5	0	0.1	0	0	0	5	0	
Warangal	52.3	24	29	0.4	0.3	1.1	0	0.1	0	0	0	5	0	
Khammam	53.9	19.3	32.6	0.9	1.9	5.5	0.3	0.1	0	0	3	3	2	
Karimnagar	77.9	21.9	23	1.7	11.9	2.7	0	0.3	0	0	0	5	0	
Nalgonda	39	1.1	3.6	0.2	0	0	0	0	0	0	2	6	3	
Mahabubnagar	47.8	0.9	1.8	1.9	1.1	0.6	0.3	0	0	0	0	6	5	
AP														
Guntur	35.9	0	1.7	1	0	0	0	0	0	0	0	0	3	
														<p>Rainfall distribution in Mahabubnagar and Nalgonda is unsatisfactory and uneven. Other cotton growing districts have received adequate rains. Moisture conservation measures are strongly recommended in Warangal, Khammam, Mahabubnagar and Nalgonda. Insect pest or disease reports have not been received from any part of the State. Insecticide usage is not needed anywhere now.</p>
														<p>The crop is at seedling and squaring stage. First split application of N&K fertilizers may be taken up in early sown crop. Intercultivation for the control of weeds and conservation of</p>

Prakasam	15.8	0	0	0.3	0.2	0	0	1	0	0	3	4	8	<p>moisture is to be carried out. In general, no incidence of sucking pests was noticed. Though thrips incidence was noticed it was below ETL. No incidence of diseases. Physiological leaf reddening was noticed in different Bt-cotton hybrids. Application of fertilizers in the form N and K as 1st top dressing may be taken up to mitigate the crop from nutritional stress soon after the receipt of the sufficient rainfall/soil moisture. Foliar application of 1 to 2% Urea + 1% Magnesium Sulphate or 1 to 2% Potassium Nitrate (Multi K) + 1% Magnesium Sulphate or 1 to 2% DAP + 1% Magnesium Sulphate @ 5 to 7 days interval till the recovery of the plants depending upon the age of the crop can be applied.</p> <p>The crop is at peak growth stage with square initiation and flower bud initiation in early formed sympodial branches, depending upon the sowing dates. Continuous and higher intensity rainfall was reported in parts of Belagavi districts. Thinning, first intercultivation and hand weeding is completed in many parts of cotton growing areas. Foliar application of 19 all -water soluble fertilisers along with plant protection measures for sucking pests need to be undertaken. In the crop of 50 to 60 days old where it is not possible for hand weeding, post emergence herbicides may be used as per recommendations. Care should be taken to avoid drift of the spray to the cotton crop. Sucking pests and shoot weevil incidence persisted in majority cotton growing areas of Haveri, Belgaum and Dharwad districts. The cotton manual may be referred for efficient control. No more sowing of Bt cotton in any part of the cotton growing areas should be taken up after this week. Desi cotton varieties can be sown as intercrop in onion and chilli crops in parts of Gadag, Dharwad and Haveri districts.</p> <p>Cotton sowing is in progress. The sown crop is in seedling stage. No incidence of pests and diseases.</p>
KARNATAKA														
Dharwad	31.3	1.8	7.7	8.9	5.5	5.5	1.8	3.2	2	5	3	3	5	
Haveri	24.3	2.8	4.5	7.9	1.8	5.3	1.9	2.4	5	3	8	5	8	
Mysore	45.6	0.4	0.3	1.5	0	2.3	0	0	2	3	3	3	3	
TAMILNADU														
Perambalur	65.5	0	0	0	0	0	0	0	0	0	0	0	0	
Salem	50.2	0	0	0	0	0	0	0	0	0	0	0	0	
Trichy	32.5	0	0	0	0	0	0.1	0	0	0	0	0	0	
Virdhunagar	18.4	0	0	0	0	0	0	0	0	0	0	0	0	

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

ICAR-CICR ADVISORY TEAM:

Dr K. R. Kranthi, Dr A. H. Prakash, Dr Sandhya Kranthi, Dr D. Monga, Dr D. Blaise, Dr Sumanbala Singh, Dr Singandhupe, Dr M. V. Venugopalan, Dr A. Isabella, Dr M. Sabesh, Dr Vishlesh Nagrare, Dr Rishi Kumar, Dr Anuradha Narala, Dr Deepak Nagrale, Mrs Sangeeta Aurangabadkar & Ms Sachita Yelekar

State Agricultural University Team:

Dr (Ms) Suneet Pandher, Dr. Sanjeev Kumar Kataria, Dr. Rishikumar, Dr. Roop Singh Meena, Dr.B.S.Nayak, Dr. Prashant Sandipan, Dr A. N Paslawar, Arvind, Dr. Pandagale Dr. Satish Parsai, Dr.V.Chenga Reddy, Dr. Aladakatti, Dr. M.Y.Ajaykumar, Dr. Subbalakshmi Lokanadhan, Dr.M.Gunasekaran