

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 30th May – 5th June 2016

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

WEATHER ADVISORY

Date	Rainfall (mm) May/June 2016							ADVISORY
	30	31	1	2	3	4	5	
PUNJAB								
Bathinda	0	0	0	5	0	0	0	The crop is in seedling to early vegetative stage (esp. <i>Arboreum</i>). First irrigation in April Sown <i>arboreum</i> or <i>hirsutum</i> genotypes and post sowing monitoring are in progress. At few places, farmers have done gap filling/thinning also. No weed infestation in the cotton crop. However, the presence of weeds have been noticed at boundaries of fields or in the adjoining areas. Incidence of whitefly (1-16/ 3leaves) and thrips (0-4/3 leaves) were observed. Farmers are advised to monitor the crop regularly for pest build up. Do not apply any insecticides for whitefly or thrips management as the buildup in population is temporary due to changing climatic conditions. WEED MANAGEMENT: Weeds must be removed while preparing the fields and maintain the sanitation after sowing, in and around the fields. Wherever the crop has been sown during April (<i>arboreum</i> cotton), and the crop age is beyond 5 to 6 weeks, thinning is advised after first irrigation. If the fields are having history of root rot and symptoms have started , farmers are advised to drench near the collar region of the cotton plant with Bavistin @1gm/litre. At Faridkot, sowing of cotton is nearly completed. First irrigation should be given to the crop one month after sowing as the high temperature is causing burning of plants. After irrigation, half dose of urea i.e. 65 kg for Bt hybrids and 30 to 35 kg to non bt varieties, should be applied.
Ferozpur	0	0	0	5	0	0	0	
Muktsar	0	0	0	3	0	0	0	
Mansa	0	0	0	0	0	0	0	
HARYANA								
Sirsa	0	0	0	0	0	0	0	At Hisar, the crop is in seedling stage. At few locations in Hisar and Fatehabad, whitefly ranged between 0-9 / 3 leaves in a survey conducted around Hisar/Fatehabad area. Root rot has been observed at few locations at farmers' field in
Hissar	0	0	0	0	0	0	0	

Fatehabad	0	0	0	0	0	0	0	arboreum cotton. The mean population of whitefly adult per plant ranged from 1 to 2 adults in farmer's fields of Hisar and Fatehabad districts. In the cotton field intercropped with cucumber crop (cucurbits) at Kulana (Hansi block), the adult whitefly population ranged from 4 to 5/plant. The higher population on cotton plants was mainly because of cucumber crop which harboured very high adult and nymphal population (30-40/ leaf) of whitefly. Incidence of thrips was observed at Jandli Khurd. <i>Solenopsis</i> mealy bug (<i>Phenacoccus solenopsis</i>) infestation was observed only on weeds like Kangi Buti, Pili Buti and Parthenium. Farmers are advised to remove weeds in and around fields. Balanced use of fertilizers is recommended. Since high population of whitefly was observed on cucurbits, the pest should be monitored and managed on these crops. Farmers should be advised to monitor insect-pest populations on weekly basis and spray of insecticides should be delayed as long as possible and if necessary apply Nimbecidine 300 ppm @ 1 litre/acre in 200 liters of water. In case heat waves continue, whitefly will remain suppressed. However, if heavy rains occur, the increase in humidity and lowering temperature may result in build-up of white fly population. As <i>Aenasius</i> parasitoid quite active on mealybug infested weeds, the mealybug is likely to remain in low profile and there is no need of spraying any insecticide against this pest.
RAJASTHAN								
Hanumangarh	0	0	0	0	0	0	0	Sowing of cotton is delayed due to delayed release of canal water.
Sri Ganganagar	0	0	0	0	0	0	0	
Banswara	0	0	0	0	0	0	0	
ORISSA								
Koraput	0	0	0	4	6	0	5	Sowing will start in June. Farmers are advised to go for summer ploughing and clean the field availing the pre monsoon rainfall. They should procure seed of required hybrids/varieties of cotton well in advance.
Kalahandi	0	0	0	0	4	0	10	
Balagir	0	0	0	0	4	0	0	
MAHARASHTRA								
Nagpur	0	0	0	0	0	0	0	Sowing has started in Nanded and some parts of Khandesh. Ploughing and harrowing should be carried out for seed bed preparation. Opening of ridges and furrows should be done for irrigated cotton. Laying of laterals for drip irrigated cotton should be done. Seed treatment with Thiomethaxam @ 4 g / kg seed for sucking pest management, Carbendazim @ 4-5 g / kg seed for fungal diseases and Azotobacter and PSB @ 25 g / kg seed each for Nitrogen and Phosphorus fixation is recommended. Ideal sowing time is 10-20th June, despite less sporadic rains. First fortnight of July is likely to be dry across the state. It is very important to plan for water harvesting and moisture conservation methods such as sowing on broad bed furrow method or on ridges, mulching etc.,
Wardha	0	0	0	0	0	6	0	
Chandrapur	0	0	0	0	0	3	0	
Yavatmal	0	0	0	0	0	4	0	
Amravati	0	0	0	0	0	8	0	
Akola	0	0	0	0	0	0	0	
Buldhana	0	0	0	0	0	0	9	
Parbhani	0	0	0	0	4	4	11	

Nanded	0	0	0	0	3	4	3		
Beed	0	0	0	0	5	4	14		
Washim	0	0	0	0	0	0	6		
Dhule	0	0	0	0	0	0	6		
Jalgaon	0	0	0	0	0	0	6		
Jalna	0	0	0	0	3	0	11		
Aurangabad	0	0	0	0	0	0	8		
KARNATAKA									
Dharwad	0	0	6	0	0	6	29	Land preparation and FYM application is under progress. Crop to be sown after receiving the rainfall during first week of June. Harrowing, stubble picking and soil incorporation of organic manures like FYM and compost has been carried out. Pre monsoon showers during second week of May helped in land preparation. The cleaning of land and application of FYM is under progress in majority cotton growing areas. Furrows at required spacing may be done in field to conserve the rain water which helps in dibbling of seeds immediately after the rainfall during first week of June. It is suggested to procure the seeds of cotton hybrids suitable for their location. Under irrigated situation, it is advised for sowing of Bt cotton during last week of May with pre sowing irrigation. Prior to sowing, about 5-6 t/ha of FYM/compost need to be soil incorporated. Under rainfed condition, it is advised for dibbling of cotton immediately after receiving the rains during first week of June. The seeds are to be sown in 90 x 60 cm (intraspecific Bt hybrids) and 120 x 60 cm (inter specific Bt hybrids). Single seed is to be dibbled at each spot. Last 3 to 4 rows should be of refugia cotton seeds. The seeds are to be treated with Biocultures like <i>Azospirillum</i> and <i>PSB</i>	
Haveri	0	0	6	6	3	18	22		
Mysore	0	0	4	28	17	20	27		

Legend:

Rainfall mm	< 5
Rainfall mm	5-20
Rainfall mm	21-50
Rainfall mm	51-80
Rainfall mm	> 80

0 mm rainfall in the blank spaces

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

<http://www.accuweather.com/en/in/india-weather>

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