

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 23rd to 29th May 2016

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

WEATHER ADVISORY

Date MAY	Rainfall (mm)							Advisory
	23	24	25	26	27	28	29	
PUNJAB								<p>Cloudy conditions are likely to prevail in in some parts of Punjab, Haryana and Rajasthan in this week. Slight rains are expected in an erratic manner in Bhatinda, Muktsar, Mansa, Sirsa, Hisar and adjoining areas from 23rd to 31st May. Though early to surmise, predictions indicate that rainfall in north India does not appear to be promising until the end of August. Therefore moisture conservation measures such as mulching, tying of ridges etc., must receive top priority in north India.</p> <p>The crop is in sowing to seedling stage. Sowing has been completed in more than 50% area in Punjab, Haryana and Rajasthan. The mean population of whitefly adults per plant ranged from 1-2 adults in farmer's field of Hisar and Fatehabad districts. Whitefly population ranged from 4-5 adults/plant in cotton field inter cropped with cucumber crop (cucurbits) in village Kulana (Hansi block). The cucumber inter-crop harboured very high whitefly adult and nymph populations 30-40/ leaf. Incidence of thrips was observed in a field of village Jandli Khurd.</p> <p>For whitefly management on cotton at economic threshold levels of 8 adult whiteflies per leaf, Neem oil 1.0% + Neem Seed Kernel Extract 5.0% + 0.05-0.1% detergent or any standard neem based insecticide may be sprayed in 100 litres of water per acre. 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. At Faridkot, sowing is almost completed. To avoid the reduced germination and burning of seedlings due to high temperature, farmers are advised to complete cotton sowing by the end of this week.</p> <ul style="list-style-type: none"> • TIMELY SOWING: Farmers are advised to sow the crop timely to avoid burning of seedlings and insect pest build up. Sowing of cotton may be done in the evening hours. Cotton sowing in north India after 25th May should be discouraged. • HIGH DENSITY PLANTING: Farmers adopting HDPS are advised to maintain recommended plant population of 45,000 to 60,000 plants per acre. • PEST SURVEY: Survey on whitefly was conducted in the districts of Sirsa, during the week (16th to 22nd May). Whitefly population ranging between 0 to 4 whiteflies per 3 leaves. Other than cotton Whitefly incidence was mainly found on cucurbits, brinjal, tomato along with weeds (Wild spinach, Sonchus, Parthenium , Jangli mirch etc.).
Bathinda	6	1	1	0	0	1	0	
Ferozepur	3	2	1	0	0	6	0	
Muktsar	7	4	1	0	0	1	0	
Mansa	7	3	1	0	0	3	6	
HARYANA								
Sirsa	5	0	1	0	0	6	0	
Hisar	5	0	1	0	0	3	0	
Fatehabad	2	1	1	0	0	3	0	
RAJASTHAN								
Hanumangarh	2	0	1	0	0	3	0	
Sri Ganganagar	1	0	1	0	1	0	0	
Banswara	0	0	0	0	0	0	0	

								<ul style="list-style-type: none"> • WEED MANAGEMENT: Weeds must be removed while preparing the fields. Maintain sanitation in and around the field. Farmers are advised to get rid of last years stalks of cotton. • REFUGE NON-BT COTTON: Farmers may be made aware of the importance of Refuge non-Bt cotton crop. • Wherever the crop has been sown during April (<i>Desi Gossypium arboreum</i> cotton), and the crop age is beyond 5-6weeks, thinning is advised after 1st irrigation,
ORISSA								Rains are expected to strike in the first week of June. Sowing from 10 to 20 June is strongly recommended. Land preparation should be initiated to keep the fields ready for sowing. The season looks to be most promising for the cotton in the state with good distribution of rainfall all through June-July and August. High density planting with BS-279 or BS-30 will give very good results. Medium duration (180 days) Bt-cotton hybrids may be chosen to be planted at 90x30 cm spacing. This will help the crop to escape pink bollworm. Wherever possible, intercropping with soybean or cluster-bean may be taken up under the guidance from OUAT
Koraput	0	0	3	0	0	2	0	
Kalahandi	0	1	1	0	0	1	0	
Bolangir	0	0	0	0	0	0	0	
GUJARAT								Rains are likely to arrive in Surendranagar, Ahmedabad, Vadodara, Patan, Mehsana, Bharuch and Bhavnagar on 23rd of June for a brief spell of 2-3 days. Other districts may receive rains in a sporadic manner. Rainfall prediction in Gujarat indicates reasonably good rains for 2-3 days in the first week of July followed by erratic distribution with a dry spell across the state except for 2-3 days of rains during 19-20th July in Ahmedabad, Vadodara, Patan and Mehsana. Amreli and Bhavnagar may receive the second spell only in the last week of July. It is extremely important for the state to use irrigation water as judiciously as possible and also to adopt soil moisture conservation measures. Sowing may be done in last week of June under rain-fed conditions, but provision of protective irrigation would be needed during the dry phase after third week of July. Moisture conservation measures are a must for this season both for rain-fed and irrigated conditions
Amreli	0	0	0	0	0	0	0	
Bhavnagar	0	0	0	0	0	0	0	
Jamnagar	0	0	0	0	0	0	0	
Rajkot	0	0	0	0	0	0	0	
Bharuch	0	0	0	0	0	0	0	
Sabarkantha								
Surendranagar	0	0	0	0	0	0	0	
Ahmedabad	0	0	0	0	0	0	0	
Vadodara	0	0	0	0	0	0	0	
Patan	0	0	0	0	0	0	0	
Mehsana	0	0	0	0	0	0	0	
MP								Monsoon is expected to arrive on 22nd of June. Predictions show rains on 22-23rd June; 2-4th July; 18-19th July; 24-26th July and 31st July. Irrigation water must be used as judiciously as possible. Soil moisture conservation measures may be initiated by sowing on ridges and furrows, mulching etc., Sowing may be done in last week of June under rain-fed conditions, but provision of protective irrigation would be needed during the dry phase after third week of July.
Khargone	0	0	0	0	0	0	0	
Dhar	0	0	0	0	0	0	0	
Khandwa	0	0	0	0	0	0	0	
MAHARASHTRA								Though rains are likely to start by 4-5th June in Wardha, Chandrapur, Yavatmal, Amaravati, Parbhani, Nanded and Beed and recur again at moderate levels of 3-10mm by 14th June across the state for 3-4 days, good
Nagpur	0	0	0	0	0	0	0	

Wardha	0	0	0	0	0	0	0	rains are expected only during 21-23rd June across the state. After a dry spell of 7 days in the last week of June, good rains are expected for 3-4 days during the first week of July followed by two weeks of dry spell and rainfall for 2-3 days again from 24-26th July and on 31st July. Distribution of rainfall though moderate levels is expected to be reasonably good in August across the state. Though at moderate levels, Beed is predicted to receive an evenly distributed rainfall this season. The dry spells interspersed between the heavy rains can cause stress and sudden wilt of cotton plants in some areas. Adequate plans of water harvesting and soil moisture conservation and essential to protect the crop from water stress. Preferred sowing time is 10th to 20th June
Chandrapur	0	0	0	0	0	0	0	
Yavatmal	0	0	0	0	0	0	0	
Amravati	0	0	0	0	0	0	0	
Akola	0	0	0	0	0	0	0	
Buldhana	0	0	0	0	0	0	0	
Parbhani	0	0	0	0	0	0	0	
Nanded	0	0	0	0	0	0	0	
Beed	0	1	2	4	1	5	5	
Washim	0	0	0	0	0	0	0	
Dhule	0	0	0	0	0	0	0	
Jalgaon	0	0	0	0	0	0	0	
Jalna	0	0	0	0	0	0	0	
Aurangabad	0	0	0	0	0	0	1	
TELANGANA								Rains are expected on the 5th June followed by mild showers across the state during mid-June. Good rains of 20-40 mm are expected on 30th June and 1st July. A dry period of 12-13 days is expected from 2-14 July, after which rains are expected at 4-5 days intervals until mid-August. Sowing is recommended to be done on ridges and furrows during 10-20th June at higher densities of plants within rows with varieties recommended by PJTSAU. In view of the erratic distribution of rains and the possible stress on seedlings, rain water harvesting and soil moisture conservation measures are strongly recommended
Adilabad	0	0	0	0	0	0	0	
Warangal	0	0	0	0	0	0	0	
Khammam	0	0	0	0	0	0	0	
Karimnagar	0	0	0	0	0	0	0	
Nalgonda	0	0	1	0	0	1	0	
AP								Mild rains are expected in an erratic distribution starting from 5th June until 15th July, interspersed with a dry period from mid June to mid-July. Rainfed cotton is likely to face severe moisture stress, especially if sown before second week of July. Dry sowing may be done during mid-July
Guntur	0	0	1	0	0	0	2	
Prakasam								
KARNATAKA								Moderate rains are expected in the first fortnight of June and on and off in the second fortnight of June in Dharwad, Haveri and Mysore. Except 5-6 days rains in the last week of July and for 1-2 days by the end of second week of August, July and August are expected to be dry. Crop sown in the first week of June will be have a better advantage compared to the seedlings sown in late June in view of the long dry spell in July
Dharwad	0	3	2	2	8	2	4	
Haveri	0	0	4	3	6	5	18	
Mysore	1	1	1	5	4	4	3	
TAMILNADU								Mild rains are predicted in the last week of June followed by a dry spell. Cotton sowings are expected to start

Perambalur	1	0	0	0	1	2	0	after August.
Salem	3	2	2	1	3	3	1	
Trichy	2	0	0	0	1	0	0	
virudhunagar	1	1	1	0	1	0	0	

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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