

ICAR-Central Institute for Cotton Research, Nagpur
Third Weekly Advisory for Cotton Cultivation from 6th to 12th June '2023

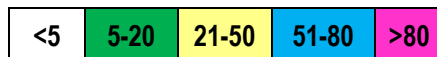
	ACTUAL RAINFALL in mm IMD					PREDICTED RAINFALL in mm IMD					ADVISORY
	JUNE					JUNE					
Date	02	03	04	05	06	08	09	10	11	12	
PUNJAB											
Firozpur	0	0	0	0	0	0	0	1	0	0	<p>At Bathinda and Faridkot, the crop is 15 to 35 days old at vegetative stage. Sowing of cotton is completed in almost all places except at few isolated farmers' fields. <i>Cyperus</i> sp. of weed was spread in few fields. No major incidence of any insect pest or disease. Whitefly thrips and jassids population noticed below ETL.</p> <p>Advisory: At Bathinda, farmers are advised to remove weeds near and around the fields. Spray Hitweed Maxx 10MEC @ 500 ml/ac in 150 lit of water after first irrigation in moist soil to control weeds. Monitor the fields to keep a check on incidence of sucking pests in cotton crop and in fields where early sowing is done and flowering stage has reached. Also monitor rosette flowers/ pink bollworm incidence through pheromone traps. After first irrigation, check for the incidence of parawilt in cotton crop and spray Cobalt chloride solution @ 1g/100 lit of water immediately once symptoms appear on the affected plants.</p> <p>At Faridkot, farmers are advised to give first irrigation 4 to 6 weeks after sowing depending upon soil type. Thinning and gap filling should be done after irrigation. Under normal soil types, apply 90 kg Urea on an acre basis in two splits, one after application of first irrigation for maximum fertilizer use efficiency and second split subsequently after 40-45 days of first application. Avoid N application through broadcasting just before irrigation as this leads to leaching of fertilizers and contamination of groundwater. Keep the fields and fallow/barren area around the farm/ canals etc. free from Kanghibuti (<i>Sida</i> sp.) and Peelibuti (<i>Abutilon</i> sp.) which act as collateral hosts of leaf curl virus. If thrips infestation is severe, give light irrigation for its management. To monitor pink bollworm, use sticky/delta traps with at least 10 micro lit of gossypure and place it at 15 cm above crop canopy. Replace the lure after 15 days and use 1 trap/ha.</p>
Faridkot	2	34	5	0	0	0	2	1	0	0	
Muktsar	0	0	0	0	0	1	2	1	0	0	
Bhatinda	2	0	0	0	0	2	3	1	0	1	
Sangrur	0	0	0	0	0	0	0	0	0	0	
Ludhiana	4.3	0	0	0	0	2	0	0	0	1	
HARYANA											
Hisar	0	0	0	0	0	2	3	4	0	3	<p>At Hisar and Sirsa, the crop is 20 to 55 days at initial vegetative to square formation stages. Weeds like <i>motha</i>, <i>santhi</i> and <i>doob</i> have emerged in the fields after rainfall. Thrips and whitefly incidence have started but below ETL. Initial infestation of pink bollworm started appearing on flowers in cotton crop but below economic threshold. At (2 locations) in Sirsa (Begu & Nezia village) pink bollworm adult trapped in pheromone installed for monitoring it. Some cases of root rot were observed.</p>
Jind	0	0	0	0	0	0	0	3	0	0	
Sirsa	0	0	0	0	0	3	5	4	0	3	
Rohtak	0	0	0	0	0	0	0	3	0	3	

											<p>Advisory: Recommended time of sowing for cotton crop is over in the State.</p> <p>At Hisar, farmers are advised to apply first split dose of Urea @ 1 bag/ac in cotton crop which is 7 to 8 weeks old after first irrigation or rainfall. Do manual or mechanical hoeing after rains or irrigation to control the weeds. Remain vigilant in the fields wherever flowering has started for the attack of pink bollworm on flowers. Manage previous season cotton stalk by not storing near cotton fields. Treat root rot affected patches in field by drenching with Carbendazim @ 2g/lit water. Make bunds to confine root rot affected patches before flood irrigation so that this disease can be prevented from spreading further</p> <p>At Sirsa, farmers are requested to continue intercultural operations. Apply first split dose of Urea (45kg/Acre) after first irrigation i.e., 40 to 45 DAS. Tag 10 plants in the field and regularly monitor the insect-pest incidence. Install pheromone and yellow sticky traps in 40 to 45 days old crop for bollworms and whitefly management. Avoid any chemical spray up to 60 days old crop. If any pest infestation reported near ETL in early sown crop, spray with Neem based insecticide or NSKE 5%. Remove or destroy the cotton stalks or cover them with nylon nets at the earliest. Drench root zone of root rot affected plants with Carbendazim @2g/lit or Trichoderma S.P.P@ 5-6g/lit of water.</p>
RAJASTHAN											
Ajmer	0	0	0	0	0	0	0	0	0	0	<p>In Southern Rajasthan (Banswara, Bhilwara, Chittorgarh, Dungarpur, Pratapgarh, Rajsamand and Udaipur etc), the crop will be sown after onset of monsoon. Sowing is initiated wherever irrigation facilities are available. The sown crop is 0 to 25 days old at seedling to initial vegetative stage.</p> <p>In Sriganganagar and Hanumangarh, sowing is almost completed under assured irrigation track. The sown crop is 0 to 50 days old at germination to vegetative stages. Sowing is still continuing in some areas. Weeds have emerged in the fields. Sucking pests incidence noticed but below ETL.</p> <p>Advisory: Farmers are advised to do gap filling in early sown crop for proper plant population and thinning to reduce crop competition wherever needed. In the fields where sowing is taken up, spray Pendimethalin 30 EC @ 3.25-3.50 lit/ha after sowing and before germination for weed control. Monitor the fields for infestation of sucking pests in earlier sown cotton. Those farmers who are to sow cotton after monsoon should select sucking pest and disease tolerant, short duration and early maturing varieties/hybrids of cotton, which fit in cotton -wheat rotation. In case seed is not treated , before sowing, treat seeds with Carboxin 37.5% + Thiram 37.5% DS @ 3.5g/kg of seeds</p>
Jodhpur	4.1	0.3	5.7	0	0	1	0	0	0	0	
Nagaur	0	0	0	0	0	2	0	0	0	0	
Pali	0	0	0	0	0	0	0	0	0	0	
Sri Ganganagar	2.7	0	0	0	0	15	5	3	0	0	

											recommendations, sowing of cotton has been initiated in the major cotton growing areas of Madhya Pradesh. Farmers are advised to grow only early to medium maturing Bt. hybrids. Avoid taking up cotton in those fields where the same crop was sown during the previous year.
MAHARASHTRA											
Dhule	0	0	0	29	0	3	0	0	9	17	At Akola, land preparation for coming <i>kharif</i> season is in progress. All the operations like harrowing, levelling, FYM application etc. are going on. Advisory: At Akola, farmers are advised to start sowing of cotton after receipt of sufficient rainfall of 75-100 mm. Use short duration <i>Bt</i> /non <i>Bt</i> varieties for rainfed sowing and mid-late to late varieties for irrigated condition. Treat the cotton seed with Carboxin (Vitavax) 1gm or Thiram 3 gm/kg seed before sowing them. Also give seed treatment of <i>Azotobacter</i> for Nitrogen fixation and PSB @20-25 gm /kg seed for phosphate solubilization. Include intercrops like Greengram and Blackgram in cotton in 1:1 row proportion. Use Pendimethalin 38.7 % CS @1.5 -1.75 ai/ha(20-25 ml/ lit of water) as pre-emergence weedicide to control of weeds in early stage of crop. Follow recommended spacing and fertilizer doses for arboreum (60x15,60x30cm,40:20:20KgNPK/ha), Improved hirsutum (60x30cm,60:30:30 Kg NPK/ha) and rainfed Bt hybrid cotton (90x45,90x60, 60:30:30Kg NPK/ha) and irrigated Bt Cotton(120x30,120x60 cm,120:60:60 Kg NPK/h, respectively
Nandurbar	0	0	0	2	6	2	0	0	10	16	
Jalgaon	0	0	0	0	0	4	0	0	10	18	
Ahmednagar	0	0	0	0	0	3	9	4	14	16	
Aurangabad	0	3	0	0	0	6	4	0	6	13	
Jalna	0	0	0	0	0	6	4	0	6	13	
Beed	0	0	0	0	0	6	4	3	10	8	
Nanded	0	0	0.4	0	0	12	9	4	3	6	
Parbhani	0	0	1.7	0	0	10	0	5	4	8	
Hingoli	0	0	0	0	0	11	0	3	3	7	
Buldhana	0	0	0	0	0	0	0	0	0	0	
Akola	0	0	0	0.3	8.6	0	0	0	0	1	
Washim	0	0	0	0	0	1.6	0	0	0	1	
Amravati	0	0	0	0	0	1.5	0	0	0	2	
Yavatmal	0	0	0	0	0	1.7	0	0	0	2	
Wardha	0	0	0	3	0	0	0	0	0	0	
Nagpur	0	0	0	0	0	1.3	0	0	0	0	
Chandrapur	0	0	0	0	0	0	0	0	0	2	
TELANGANA											
Adilabad	0	0	0	5.2	0	11	10	12	0	2	At Warangal, field preparation is going on in the fields.
Warangal	0	0	0	0	0	0	0	1	2	0	At Adilabad, summer ploughing has been completed in all the fields. Farmers will sow cotton crop seed from first week of June.
Khammam	0	0	0	0	0	8	10	10	4	5	
Karimnagar	0	0	3.5	0	0	10	0	1	6	0	
Mahabubnagar	2	0	0	0	0	9	8	8	17	10	Advisory At Warangal, farmers are advised to go for crop rotation for every 2 to 3 seasons. Take up deep summer ploughing to destroy pests and weeds residues in the soil. Soil incorporation of FYM should be done. Select medium duration hybrids. Sow the crop after receipt of at least 60-70mm rain fall to avoid germination related problems.
AP											
Guntur	0	0	0	0	0	0	0	0	2	0	Sowings will be taken up only after the receipt of sufficient monsoon rains.
Prakasam	13.2	0	0	0	0	0	2	2	0	6	
KARNATAKA											
Dharwad	1	0	0	0	0	3	3	4	5	5	

											<p>bollworm infestation starts from mid-season and increases steadily towards the late season. Therefore, short duration and early maturing varieties helps to escape pink bollworm infestation in late season.</p> <p>7. Sowing of cotton crop should be done in the month of June, only after receipt of 80-100 mm of monsoon rainfall. For ensuring proper germination and crop stand, withstand the prolonged dry periods during early seedling stage, there should be optimum soil moisture. This also helps to avoid re-sowing due to prolonged dry spell of rainfall. Timely sowing in June helps to avoid early infestations of pink bollworm.</p> <p>8. Increased awareness should be created among the cotton farmers regarding implementation of integrated pest management (IPM) strategy for management of pink bollworm. The shopkeepers may also be advised to inform the famers not to adopt pre-monsoon sowing. This will help to spread the right message to farmers more effectively.</p> <p>The detailed information regarding cotton production technology, e.g. selection of soil, varieties, fertilizer application, sowing methods, irrigation systems, management of weeds, insect pests and diseases, etc. can be availed from an android based CICR Cotton App developed by ICAR-CICR, Nagpur. The app can be downloaded free of cost from Google play store. Additionally, the crop growth stage specific and weather based weekly advisory are uploaded on the website of ICAR-CICR also to be consulted for the benefit of farmers</p>

Rainfall (mm)Legend colour



0.0 mm rainfall (no rainfall)
Blank space express data not available.
Source:
www.imdagrimet.gov.in
www.agromet.imd.gov.in