

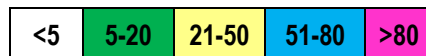
ICAR-Central Institute for Cotton Research, Nagpur
Second Weekly Advisory for Cotton Cultivation from 30th May to 5th June '2023

	ACTUAL RAINFALL in mm IMD					PREDICTED RAINFALL in mm IMD					ADVISORY	
	MAY					MAY						
	Date	26	27	28	29	30	01	02	03	04		05
PUNJAB												
Firozpur	0	0	0	0	0	3	6	8	0	0	<p>At Bathinda and Faridkot, the crop is 10 to 30 days at vegetative stage. Sowing of cotton is being taken up at few isolated farmer's fields. No major incidence of any insect pest or disease. 1-3 whitefly adults/3 leaves were noticed. <i>Cyperus</i> sp. of weed were spread in few fields.</p> <p>Advisory: At Bathinda, farmers are advised to remove weeds near and around the fields and do gap filling where burning is noticed.</p> <p>At Faridkot, farmers are advised to apply 1.0 lit/ac of Pendimethalin 30EC as pre-emergence within 24 hours of sowing for control of weeds particularly <i>itsit</i>, <i>madhana/makra</i> etc. Give first irrigation 4 to 6 weeks after sowing depending upon soil type. Take up thinning and gap filling after irrigation. Apply recommended dose of N fertilizers only after application of first irrigation for maximum fertilizer use efficiency. Avoid application of N through broadcasting just before irrigation as this leads to leaching of fertilizers which in turn leads to 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. Since intermittent rainfall has been occurring across the cotton growing belt of the State, crust formation is likely to take place. Therefore, farmers are advised to break the crust by pegs or other implements.</p>	
Faridkot	0	0	0	0	0	3	8	6	0	0		
Muktsar	0.5	0.5	0	0	0	3	8	6	0	0		
Bhatinda	1.2	5	0	0	0	2	8	6	0	0		
Sangrur	0	0	0	0	0	7	2	8	0	0		
Ludhiana	1.5	0	0	0	0	6	3	8	4	0		
HARYANA												
Hisar	3.8	18	0	0	0	2	0	6	0	0	<p>At Hisar and Sirsa, the crop is 0 to 50 days old at germination to initial vegetative stage. Crust breaking, Gap filling, thinning and manual weeding by <i>khurpa</i>/ spade were taken up. Weeds like <i>motha</i>, <i>santhi</i> and <i>doob</i> have emerged in the fields. Incidence of thrips and whitefly population noticed but below ETL. Root rot were observed in few fields. One adult of pink bollworm was trapped at one location (Begu village) in pheromone trap installed in 40 days old crop. Root rot observed at few locations.</p> <p>Advisory: At Hisar, the recommended time of sowing for cotton crop is over. Rainfall was received at most of the places. So, farmers are advised to broadcast Urea @ 1 bag/ac in cotton crop which is 6 to 7 weeks old. Take up manual weeding by <i>khurpa</i> or spade in the weed infested fields. Mechanical weeding can be done by tractor mounted cultivator in 6 to 7 weeks old crop. Treat root rot affected patches in field with drenching of Carbendazim @ 2 g/lit of water.</p>	
Jind	0	0	0	0	0	2	0	5	0	0		
Sirsa	0	0	0	0	0	0	0	6	0	0		
Rohtak	2	45	0	9	0	2	0	5	0	0		

Adilabad	0	0	0	0	0	2	0	0	0	0	At Warangal, field preparation is going on in the fields. At Adilabad, summer ploughing has been completed in all the fields. Farmers will sow cotton crop seed from first week of June. 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.
Warangal	0	0	0	0	0	11	11	1	0	0	
Khammam	0	0	0	0	0	14	15	11	0	0	
Karimnagar	0	0	0	0	0	5	1	0	0	0	
Mahabubnagar	0	0	0	0	0	36	13	0	0	0	
AP											
Guntur	0	0	0	0	0	45	7	1	2	0	Sowings will be taken up only after the receipt of sufficient monsoon rains.
Prakasam	0	0	0	0	0	15	16	3	1	1	
KARNATAKA											
Dharwad	0	0	0	0	0	3	5	4	4	3	At Chamarajanagar, the crop is 25 to 30 days old at vegetative stage. Inter cultivation operation is going on. Incidence of aphids (10-15/3leaves) was noticed. Advisory At Chamarajanagar, farmers are advised to install yellow sticky traps and spray Neem oil @ 2-3ml /lit of water
Haveri	0	0	0	0	0	3	5	4	3	3	
Mysore	0	0	0	0	0	9	7	10	11	5	
TAMIL NADU											
Perambalur	2	0	0	0	0	4	2	3	5	2	Post-season and pre-sowing package of practices 1. Clean up fields of residual stalks and partially opened bolls from previous crop season. Do not stack the uprooted cotton stalks on field bunds. At the end of crop season, the pink bollworm larvae of last generation enter the hibernation in crop residues like infested bolls, stalks or in soil. Therefore, such infested residues should be promptly destroyed in order to break the life cycle of pink bollworm. Residue destruction will also help to reduce the inoculum and infection of new season's cotton crop by diseases like bacterial leaf blight, root rot and fungal leaf spots. 2. Install at least 10 pheromone traps each at 20 m distance in the premises of market yards and ginning mills to trap post season moths or suicidal emergence if any. Change the lures in pheromone traps timely. Also kill the larvae that come out of damaged seeds. This will help to check the spread of infestation of pink bollworm from ginning or market yard premises to nearby fields. 3. Avoid pre-monsoon sowing of cotton crop. Early sown crop bears the reproductive structures like squares and flowers early. The pink bollworm moths emerging from dormant population of previous season lay eggs on these squares and flowers thus early sown crop supports completion of new season's first generation of pink bollworm. If not
Salem	0	0	0	0	0	4	8	6	8	4	
Trichy	0	0	0	0	0	3	3	3	6	0	
Virudhunagar	0	0	0	0	0	6	2	2	3	0	

											<p>controlled timely, next generations of this population further spreads onto the timely sown cotton crop with onset of squares, flowers and bolls.</p> <ol style="list-style-type: none"> 4. Deep summer ploughing helps to expose and kill the dormant larvae and pupae hidden in the soil due to scorching heat of sun in April-May. Also, the birds following ploughed fields predate on these life stages of insect. This helps in minimising the incidence of insects like pink bollworm, leaf eating caterpillars, and soil born diseases like wilt, root rot and nematodes on coming season's cotton crop. 5. Crop rotation to be followed in the fields that were heavily infested with pink bollworm during last season to break the life cycle of pink bollworm. Cotton is the only host of pink bollworm, therefore crop rotation helps to break the life cycle of this pest. Crop rotation is very effective in checking the infection of soil borne diseases and nematodes in disease prone fields. 6. Grow sucking pest and disease tolerant, short duration and early maturing varieties/hybrids/cultivars of cotton. This helps in avoiding unwanted spraying of pesticides to control sucking pests and diseases during early crop growth stage. Pink 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. 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. 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 farmers not to adopt pre-monsoon sowing. This will help to spread the right message to farmers more effectively. <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

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