

ICAR-Central Institute for Cotton Research, Nagpur

First Weekly Advisory for Cotton Cultivation from 6th to 11th May '2020

	ACTUAL RAINFALL in mm IMD					PREDICTED RAINFALL in mm IMD					ADVISORY
	MAY					MAY					
Date	02	03	04	05	06	07	08	09	10	11	
PUNJAB											
Ferozpur											At Bhatinda, land preparation and irrigation of fields is in progress. At Faridkot, due to Covid-19 restrictions, harvesting of wheat has been delayed. Consequently, till date, cotton sowing could be done in isolated spots across the State. Due to rainfall in isolated locations throughout South-western zone, crust formation has been observed at few locations. Advisory: Few fields that received rains have developed crust formation in soil which needs to be broken for better germination. Sowing of cotton should be completed as soon as possible preferably by mid-May and in any case should be completed in the month of May.
Faridkot	0	0	0	0	3	12	0	0	0	0	
Mukatsar	0	0	0	2	1	9	0	1	0	0	
Bhatinda	0	0	0	5	0	4	0	1	0	0	
Sangrur	0	0	0	10	0	3	0	0	0	0	
Ludhiana	0	0	0	4	1	3	0	0			
HARYANA											
Hissar	0	0	0	0	0	8	0	0	0	0	At Sirsa, wheat harvesting is almost over, straw making from wheat and sowing operations are in progress. At Hissar, the crop is 2 to 4 weeks old at germination and seedling stage. Thinning has been taken up. No infestation of weeds till date. Incidence of thrips was observed in seedling stage at few fields. Areas which received rainfall are not required to spray for thrips incidence. Advisory: Farmers are advised to cultivate recommended and approved hybrids. Apply heavy pre sowing irrigation, prepare fine seed bed for proper germination to facilitate good plant stand. Apply recommended basal dose of fertilizers. For control of weeds particularly <i>itsit</i> (<i>Trianthema</i>), <i>madhana/makra</i> apply 1.0 litre Pendimethlin 30EC as pre- emergence within 24 hours of sowing cotton. At Hissar, few fields which received rains after sowing (before germination) might have developed crust formation in soil which needs to be broken for better germination. Sowing of the cotton should be completed as soon as possible and preferable by mid of May.
Jind	0	0	0	5	1	4	0	0	0	0	
Sirsa	0	0	0	6	4	9	0	0	0	0	
Rohtak	0	0	0	5	0	0	0	0	0	0	
RAJASTHAN											
Ajmer	0	0	0	14	1	14	0	0	0	0	Land preparation is in progress.
Jodhpur	0	0	0	3	2	0	0	0	0	0	
Nagaur	0	0	0	9	1	0	0	0	0	0	
Pali	0	0	0	6	0	0	0	0	0	0	

Sri Ganganagar	0	1	0	3	1	0	0	0	0	0
ORRISA										
Koraput	0	0	0	10	0	0	0	0	3	6
Kalahandi	2	0	0	3	0	1	0	2	0	5
Balangir	2	7	0	0	2	0	0	1	0	0
GUJARAT										
Amreli	0	0	0	0	1	0	0	0	0	0
Bhavnagar	0	0	0	0	0	0	0	0	0	0
Jamnagar	0	0	0	0	0	0	0	0	0	0
Rajkot	0	0	0	0	0	0	0	0	0	0
Junagadh	0	0	0	0	0	0	0	0	0	0
Sabarkantha	0	0	0	0	0	0	0	0	0	0
Surendranagar	0	0	0	0	0	0	0	0	0	0
Ahmedabad	0	0	0	0	0	0	0	0	0	0
Baroda	0	0	0	0	0	0	0	0	0	0
Patan	0	0	0	0	0	0	0	0	0	0
Mehesana	0	0	0	0	0	0	0	0	0	0
MP										
Khargaon	0	0	0	0	0	0	0	0	0	0
Dhar	0	0	0	0	0	0	0	0	0	0
Khandwa	0	0	0	0	0	0	0	0	0	0
MAHARASHTRA										
Dhule	0	0	0	0	0	0	0	0	4	4
Nandurbar	0	0	0	0	0	0	0	0	4	0
Jalgaon	0	0	0	0	0	0	0	0	0	0
Ahmednagar	0	0	0	0	0	0	0	0	4	9
Aurangabad	0	0	0	0	0	0	0	0	0	30
Jalna	0	0	0	0	0	0	0	0	0	0
Beed	0	0	0	0	0	0	0	0	0	0
Nanded	0	0	0	0	0	0	0	0	0	3
Parbhani	0	0	0	0	0	0	0	0	0	0
Hingoli	0	0	0	0	0	0	0	0	0	0
Buldhana	0	0	0	0	0	0	0	0	0	0
Akola	0	0	0	0	0	0	0	0	4	3
Washim	0	0	0	0	0	0	0	0	0	0
Amravati	0	0	0	0	0	0	0	0	7	5
Yavatmal	0	0	0	0	0	0	0	0	0	0
Wardha	0	0	0	0	0	0	0	0	0	0
Nagpur	1	0	0	0	0	0	0	0	0	0

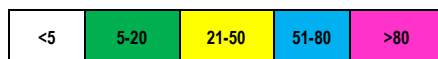
1. Clean up fields of residual stalks and partially opened bolls from previous crop season. Do not stack the uprooted cotton stalks on field bunds. At the end of crop season, the pink bollworm larvae of last generation enter the hibernation in crop residues like infested bolls, stalks or in soil. Therefore, such infested residues should be promptly destroyed in order to break the life cycle of pink bollworm.
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 controlled timely, next generations of this population further spreads onto the timely sown cotton crop with onset of squares, flowers and bolls.
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 pink bollworm infestation 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.
6. Grow sucking pest tolerant, short duration and early maturing varieties/hybrids/cultivars of cotton. This helps in avoiding unwanted spraying of insecticides to control sucking pests 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

Chandrapur	0	0	0	0	0	0	0	0	0	3
TELANGANA										
Adilabad	0	0	0	0	0	0	0	0	0	0
Warangal	0	0	0	0	0	0	0	1	0	0
Khammam	0	0	0	0	0	0	0	1	0	0
Karimnagar	0	0	0	0	0	0	0	1	0	0
Mahabubnagar	0	0	0	0	0	0	0	1	0	3
AP										
Guntur	0	0	0	0	0	0	0	1	0	0
Prakasam	0	0	0	0	0	0	0	0	7	11
KARNATAKA										
Dharwad	0	0	0	0	0	0	0	0	0	4
Haveri	0	0	0	0	0	0	0	0	0	4
Mysore	0	0	0	0	0	0	0	0	43	36
TAMIL NADU										
Perambalur	0	0	0	0	0	0	0	0	0	0
Salem	0	0	0	0	0	1	1	1	0	4
Trichy	0	0	0	0	0	0	1	1	0	0
Virudhunagar	0	0	0	0	0	0	0	2	0	4

of rainfall. Timely sowing in June helps to avoid early infestations of pink bollworm.

8. In view of lockdown due to corona virus epidemic, proper social and physical distancing should be followed to avoid unnecessary crowd during seed purchasing at agro-input shops.
9. Increased awareness should be created among the cotton farmers regarding implementation of integrated pest management (IPM) strategy for management of pink bollworm. In view of lockdown due to corona epidemic, it is practically difficult to reach the farmers personally through field visits for creating awareness. Therefore, as apart of awareness, the literature on pink bollworm management may be distributed to the farmers along with cotton seed at the seed sale counters. 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.
10. 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 that may also be consulted for the benefit of farmers.

Rainfall (mm)Legend colour



0.0 mm rainfall (no rainfall)

Blank space express data not available.

Source: http://agromet.imd.gov.in/index.php/download/download_state_wise

Data assessed : 6th May '2020