

ICAR-Central Institute for Cotton Research, Nagpur

Weekly Advisory for Cotton Cultivation from 15th to 24th August 2018

WEATHER ADVISORY

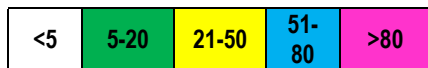
Date	ACTUAL RAINFALL In mm IMD					PREDICTED IMD					ADVISORY
	AUGUST					AUGUST					
	15	16	17	18	19	20	21	22	23	24	
PUNJAB											
Ferozpur	0.0	2.0		0.0	1.0	6.0	4.0	0.0	0.0	0.0	<p>At Bhatinda, the crop is 100 to 105 days old at boll formation and flowering stage. <i>Digera arvensis</i>, <i>Amaranthus viridis</i> and <i>Eleusine indica</i> were the major weeds that infested the crop. Whitefly population varied from 1 -6 per three leaves. Jassid population varied from 0- 12 per three leaves. Grade II injury equivalents were observed in few locations. Thrips incidence varied from 3 – 25 per 3 leaves. No incidence of disease.</p> <p>Advisory</p> <p>On crossing ETL, insecticide sprays for managing Jassid (Fonicamid 50WDG @ 80g/acre or Dinotefuran 20SG @ 60g/acre) and thrips (Profenophos @ 500ml/acre or Diafenthiuron 50WP @ 200g/acre) are recommended. Sprays of N:P:K (13:0:45) @2kg/acre advisable. Irrigation of cotton crop to be given.</p>
Faridkot	30.0	1.0	0.0	0.0	27.0	4.0	4.0	0.0	0.0	0.0	
Mukatsar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Bhatinda	9.0	6.0	0.0	0.0	5.0	4.0	4.0	0.0	0.0	0.0	
Sangrur						6.0	7.0	0.0	0.0	0.0	
Ludhiana											
	1.0	0.0	0.0	5.0	0.0	8.0	4.0	5.0	0.0	4.0	
HARYANA											
Hissar											<p>At Sirsa, the crop is 85 to 100 days old at vegetative and reproductive stage. Whitefly ranged between 3-30/3leaves. Population above ETL was recorded at few locations but the jassid counts were stable.</p> <p>At Hisar, the crop is around 100 days old at square to reproductive stage. The population of whitefly was in increasing trend and crossed ETL in areas that experienced dry spell. The population of jassid was above ETL only at few places. No incidence of wilt and bacterial blight. Para wilt was observed at farmers' field, root rot observed in traces. Incidence of cotton leaf curl virus disease was observed in few fields and its incidence may increase in the coming period</p> <p>Advisory</p> <p>Wherever the population of jassid crosses ETL, application of Thiamethoxam@ 40g/acre or Imidacloprid @ 40ml/acre; If incidence of whitefly alone is above ETL, Difenthiuron 200g/acre in 200 litres of water to be sprayed. In case of mixed infestation of whitefly and jassid , apply Fonicamid @ 80g/acre or Dinotefuran @ 60g/acre. Application of N: P: K (13:0:45) @ 2/kg acre is also advised as the crop is in full bloom stage. Wherever shedding of fruiting bodies are more, farmers are advised to spray NAA (Planfix) @ 7ml/15 liters of water.</p>
	0.0	0.0	0.0	0.0	0.0	4.0	7.0	0.0	0.0	0.0	
Jind						3.0	9.0	3.0	0.0	0.0	
Sirsa						0.0	5.0	0.0	0.0	0.0	
Rohtak						5.0	5.0	5.0	0.0	0.0	

Dhar		20.9	33.4			56.0	17.0	13.0	7.0	5.0	The crop is at 50-90 days old at vegetative to flowering stage. <i>Cyperus rotundus</i> , <i>Euphorbia</i> , sp., <i>Cynodon dactylon</i> , <i>Physalis minima</i> , <i>Solanum nigrum</i> , <i>Echinochloa colona</i> , <i>Commelina benghalensis</i> , <i>Commelina nudiculis</i> , <i>Digera arrensis</i> , <i>Parthenium hysterophorus</i> , <i>Achyranthes aspera</i> , <i>Phyllanthus niruri</i> etc. were controlled using recommended practices. Jassids and whitefly seen but below ETL. No incidence of diseases. Advisory: Apply N 40 kg/h , P 40 kg/ha and K 20kg/ha at 60 days. Apply N 40kg/ha at 90 days. Install 2 pheromone traps per acre for the monitoring of pink bollworm where flowering initiated. Remove and destroy rosette flowers. Apply spray of Neem oil 5 ml/L + NSKE 5% + 1 g detergent power.
Khandwa											
MAHARASHTRA											
Dhule	0.0	0.0	0.0	0.0	0.0	49.0	11.0	12.0	4.0	6.0	At Akola, the crop is 40 to 50 days old at square formation stage. Weeding, Hoeing, Spraying recommended insecticides and second dose of fertilizer application were the operations carried out in the cotton fields.
Nandurbar	3.0	1.0	47.0	8.0	1.0	39.0	23.0	12.0	8.0	8.0	
Jalgaon	0.0	3.0	77.0	0.0	1.0	59.0	36.0	6.0	5.0	6.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Ahmednagar		0.0	60.0	2.0	0.0	4.0	18.0	9.0	5.0	4.0	
Aurangabad						0.0	19.0	0.0	22.0	45.0	At Akola, the crop is 40 to 50 days old at square formation stage. Weeding, Hoeing, Spraying recommended insecticides and second dose of fertilizer application were the operations carried out in the cotton fields.
Jalna	0.0	15.0	128.0	1.0	0.0	6.0	20.0	4.0	0.0	0.0	
Beed						4.0	9.0	8.0	4.0	4.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Nanded	1.0	2.0	0.0	0.0	2.0	47.0	45.0	8.0	19.0	16.0	
Parbhani	0.0	59.4	88.0	1.0	0.0	12.0	13.0	8.0	4.0	7.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Hingoli			71.0	2.0		27.0	10.0	3.0	4.0	7.0	
Buldhana		14.0	38.0	0.0	0.0	74.0	74.0	20.0	8.0	12.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Akola	0.0	12.0	87.0	1.0	0.0	66.0	74.0	27.0	0.0	0.0	
Washim	0.0	23.0	31.0	1.0	8.0	27.0	16.0	3.0	0.0	0.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Amravati		24.0				85.0	74.0	53.0	4.0	7.0	
Yavatmal	0.0		27.0	8.0	5.0	47.0	45.0	4.0	13.0	16.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Wardha	0.0	20.0	2.0	0.0	0.0	19.0	20.0	14.0	4.0	5.0	
Nagpur	0.0	56.0	5.0	12.0	3.0	23.0	20.0	19.0	6.0	13.0	At Nanded, the crop is 55 to 70 days old at square formation to flowering stage. Weeds <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Alternanthera sessilis</i> , <i>Phyllanthus niruri</i> etc. were found after 45 – 60 DAS. Infestation of Aphids, Thrips (<i>Thrips tabaci</i>) and Whitefly were below ETL and jassid had crossed ETL in around 50% area. Infestation of Pink Bollworm was recorded on farmers field in the range of 12 to 18%. Low incidence of <i>Alternaria</i> was recorded. Interculture operations were carried out and weeding done wherever necessary.
Chandrapur	0.0	71.0	3.0	7.0	2.0	43.0	35.0	8.0	8.0	19.0	
TELANGANA											
Adilabad	0.0	79.0	84.0	1.0	2.0	34.0	45.0	4.0	12.0	13.0	The crop is in sowing to seedling stage. Gap filling and thinning were taken up. Pre emergence application of weedicid / intercultivation also done.
Warangal						73.0	53.0	22.0	12.0	10.0	
Khammam	2.5	11.6	0.0	6.0	44.3	85.0	25.0	3.0	46.0	11.0	
Karimnagar	1.3	33.0	12.9	4.5		40.0	69.0	19.0	0.0	0.0	

Mahabubnagar	0.0	28.0	0.0	4.0	0.0	12.0	9.0	0.0	4.0	5.0	Advisory: Inter-cultivation and first split application of fertilizers to be given wherever sufficient soil moisture is available.
AP											
Guntur	4.0	4.0	4.0	4.0	48.0	73.0	7.0	10.0	16.0	6.0	
Prakasam	283.0	276.0	287.0	294.0	295.0	24.0	8.0	8.0	3.0	6.0	
KARNATAKA											
Dharwad	1.0	2.0	2.0	1.0	1.0	0.0	3.0	0.0	4.0	0.0	At Raichur, the kharif crop sown in patches. The duration is 60-65 days old in early sown crop and 35-40 days in late sown crop. Sowing was done in an area of about 50 per cent already land preparation was done. Sowings were taken up during this week to the extent of 5 per cent. 1% 19:19:19 and 1% MgSO4 foliar spray was recommended to the crop sown early wherever leaf reddening was noticed. Totally 80% of the lands in the area covered with cotton. First Inter-cultivation done for the 25-30 days old crop and second inter-cultivation was done for the 45-60 days old crop. Farmers are advised to install pheromone traps @ 2 per acre to know the pink bollworm population . Weeds were noticed in the early sown crop in the farmers' fields. Second inter-cultivation operation was carried out in the early sown crop. Post emergent application of Pyrethriobac Sodium @ 1.25 ml in 1 lit of water was recommended against weeds. Thrips were noticed in the 40-45 days old crop in the area. No incidence of diseases. In the districts of Dharwad jurisdiction, early sown crop is 70-80 days old Peak square formation and flowering stage in most of the areas. Top dressing with Urea and Potassium. Intercultivation and hand weeding were taken up. Plant protection measures for sucking pests and precautionary measures for the management of PBW were done. Last intercultivation undertaken with manual weeding. For sucking pests and shoot weevil control, Flonicamid 50 WG @0.4g/L and Profenofos @ 2 ml/lit of water respectively were advised. Pheromone traps for monitoring PBW (60-70 days crop) were installed. Sporadic incidence of <i>Fusarium</i> wilt noticed. Advisory Top dressing the crop with 25 kg urea and 25 kg MOP (Last split), Manual weeding and earthing up, Sucking pest management by spraying (ETL based) Acetamiprid 20 SP @ 0.2 g /lit of water, Foliar sprays of all 19:10:19 water soluble fertilizer (10g/lit of water) in 60-70 days old crop, Installation of pheromone traps for monitoring PBW (2 per acre), Spraying of Neem based insecticides at earlier stages, then with Profenophos 50 EC @ 2 ml/lit of water to manage PBW and drenching of Vitvax Power fungicide @ 2 g/lit of water to manage <i>Fusarium</i> wilt and sowing of Desi cotton varieties (Sole crop or as an intercrop in chilli/Onion) to be continued till August end.
Haveri						0.0	3.0	3.0	0.0	4.0	
Mysore						5.0	0.0	0.0	0.0	7.0	
TAMIL NADU											
Perambalur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	At Srivilliputhur, the crop is 0 to 5 days old at germination stage. No incidence of pests and diseases.
Salem	4.0	2.0	1.0	1.0	0.0	8.0	6.0	4.0	14.0	26.0	
Trichy						4.0	4.0	6.0	8.0	26.0	
Virudhunagar	3.0	4.0	0.0		0.0	20.0	19.0	0.0	0.0	5.0	

												<p>Advisory:</p> <p>Sowing of rainfed cotton in some parts of area to be taken up by utilizing the pre monsoon rainfall and ploughing in many parts of area. As the sowing of cotton is under way, acid delinting (con. H₂SO₄ at 100 ml/kg of seeds) and seed treatment with insecticides (Chloripyriphos at 10 ml/kg of seeds) / fungicides (<i>Pseudomonas fluresence</i> 10 g/kg or <i>Trichoderma viride</i> 4 g/kg or Carbendazim or Thiram at 2 g / kg of seeds) followed by biofertilizer (Azophos 6 pockets /ha seeds) recommended as a prophylactic measure. To maintain optimum plant population in rainfed cotton, recommended seed rate of 20 kg/ ha for varieties may be followed with line sowing of 45 x 15 cm.</p>
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Rainfall (mm)
Legend



0.0 mm rainfall (no rainfall) .
Blank space express data Not available.
Source : <http://imdagrmet.gov.in>