

VI Weekly Advisory for Cotton Cultivation from 29th July to 4th August '2019

	ACTUAL RAINFALL in mm IMD					PREDICTED RAINFALL in mm IMD						ADVISORY
	JULY					JULY- AUGUST						
Date	25	26	27	28	29	30	31	1	2	3	4	
PUNJAB												
Ferozpur						0	0	26	28	26	10	<p>At Bhatinda, the crop is 70 to 75 days old at vegetative and flowering stage. Rainfall received during this week. Field operation like urea application and spray for jassid is in progress. <i>Digera arvensis</i>, <i>Trianthema monogyna</i> and <i>Amaranthus viridis</i> were the major weeds that infested the fields. Whitefly population varied from 0 - 8 per three leaves, Jassid population ranged 0-12 per three leaves and thrips incidence varied from 0-31 per three leaves. Incidence of Root rot and wilting in fields with poor drainage after rainfall in farmers' fields was observed.</p> <p>At Faridkot, the crop is 77 days old at reproductive phase. Mechanical/ manual inter cultural operations, irrigation and fertilization were taken up during the reporting period. No serious weed infestation due to timely weeding of the fields. Thrips incidence was found low-moderate; Farmers were advised to irrigate the fields, if needed. Jassid incidence was above ETL having second injury grade (JIG). Imidacloprid 17.8 SL @40g/acre or Thiamethoxam 25WG @40g/acre was sprayed.</p> <p>Advisory: Farmers are advised to regularly monitor the crop. Drain out excess rain water from the fields, hoeing, fertilizer applications and spray against jassid population are to be followed wisely. Also go for spray of 2% solution of Potassium nitrate where flowering has started. If thrips incidence crosses ETL, farmers are advised to spray Diafenthiuron 50WP @200g/acre or Spinetoram 11.7SC @ 170 ml/acre in case of severe incidence. If incidence of whitefly reaches ETL (6 whitefly/leaf) initiate spray with neem based insecticides @ 1 litre/acre; OR Flonicamid 50 WG @80 g/acre OR Diafenthiuron 50 WP @ 200g/acre OR Pyriproxyfen 10 EC @ 500ml/acre OR Spiromesifen 22.9 SC @200ml/acre. If jassid incidence found above ETL,; spray Flonicamid 50 WG @80 g/acre or Dinotefuran 20 SG @60 g/acre.</p>
Faridkot	0.3	0	0	0	0.4	0	0	26	28	26	5	
Mukatsar						0	0	21	27	26	5	
Bhatinda	0	0	12	0	0	0	0	33	28	28	6	
Sangrur						0	4	31	37	35	7	
Ludhiana	2.8	39.1	13.6	0.2	15.9	5	36	15	9	20	6	
HARYANA												
Hissar	1.2	0.6	0.5	0	1	0	8	37	41	51	15	<p>At Sirsa, the crop is 85-95 days old at vegetative and reproductive stages. The crop is in good condition. Due to rainfall, weed emergence observed and are being managed. Whitefly population ranged between 6-10/leaf, thrips 6-30 and jassid 1-3/3leaves.</p> <p>At Hissar, the crop is 85 to 105 days old at flowering to boll formation stage. Hoeing and split dose of fertilizer application taken up. Majority of fields were free from</p>
Jind						0	19	52	49	51	17	
Sirsa						0	0	31	32	21	11	
Rohtak	0	0	0	10.8	0.4	0	0	31	32	21	19	

													weeds. Mean population of whitefly adults ranged from 4 to 364 adults per leaf across the fields, thrips 4 to 65 thrips per leaf and jassid nymphs from 0 to 3 nymphs per leaf. Incidence of cotton leaf curl viral disease was observed in few fields. Sooty mould incidence was observed more on lower few leaves. Root rot incidence in patches in the fields of <i>Desi</i> cotton recorded in comparison to <i>Bt</i> cotton. Incidence of <i>Fusarium</i> wilt, Bacterial blight and <i>Myrothecium</i> leaf spot was also observed at farmer's field in traces. Overall the crop growth is good. Advisory: The incidence of all three sucking pests building up. Farmers are advised to monitor the crop at regular intervals, do intercultural operations and install yellow sticky trap to detect the early infestations of whitefly. If the population of any sucking pests crosses ETL, apply neem based insecticides @1.0 litres /acre in 200 liters of water. Apply spary of Diafenthuron @200g/acre OR Flonicamid @80g/acre OR Dinotefuran 60g/ace in case the mixed infestations of whitefly and leafhopper is noticed. To manage root rot and fusarium wilt ,go for spot drenching with Carbendazim 50%WP 2g/L water at the base of affected plants as well as surrounding healthy plants. Manage alternaria leaf spot.with spray of Pyraclostrobin 20%WG 2g Or Metiram 55%+ Pyraclostrobin 5% WG 20g /10 L water. For bacterial leaf blight, foliar spray with Streptocycline 1g + Copper oxychloride 25g/ 10 L water.
RAJASTHAN													
Ajmer	0	0.8	0	64.2	54.6	20	33	38	50	45	38		At Banswara, the crop is 28 days old at vegetative stage. No rainfall, sunny weather during reporting period, Intercultural operations carried out for weed management.
Jodhpur	0	0	0	0.2	39.4	6	17	63	13	38	5		Fields are weed free. Jassids noticed below ETL. No incidence of diseases.
Nagaur						11	17	126	42	27	77		Advisory:
Pali	6		0	0	35	26	54	45	34	64	4		During next few days cloudy weather forecasted with heavy rains. Farmers are advised to make proper drainage system in their fields looking to forecast of rains.
Sri Ganganagar	0	0	0	0	0	17	0	22	27	13	26		
ORRISA													
Koraput	24.2	0	7.8	22	29.4	59	77	32	24	15	27		The crop is 30 to 40 days old at seedling and vegetative stage. The weather was hot and humid. Hoeing and weeding both manually and by bullock drawn plough, top dressing with 50% N and 50 % K ₂ O and earthing up, incorporation of green manure crop, regular monitoring for pest and disease incidence were the operations carried out during the reporting week. Incidence of sucking pests like aphids, thrips and jassids was reported from Rayagada, Bolangir and Kalahandi districts but below ETL.
Kalahandi	0	0	17.6		2	23	57	12	8	19	14		Advisory:
Balagir	0	44.2	4.4	0	3.3	8	13	3	12	30	14		Farmers are advised to go for earthing up and incorporation of green manure crops. First top dressing may be done at 25-30 DAS with 50% N and 50% K ₂ O after removal of weeds from the field. Regular monitoring of the crop to know about

												incidence of any pest and diseases.
GUJARAT												
Amreli	0	0	7.8	1.6	1.6	7	18	13	18	35	4	<p>The crop is at initial growth stage. The weather was cloudy with less rains. Weeding was taken up. No incidence of pests and diseases.</p> <p>At Junagadh, the crop is 44 days old at vegetative stage. Weeding and top dressing with Nitrogen was taken up. <i>Kharif</i> weed was germinating due to continuous rains. Minor attack of mealy bug but recommended for no spray. Due to long dry spell, isolated attack of root rot was noticed.</p> <p>Advisory: Farmers facing lack of labour availability for weed control are recommended to spray Quazalofop ethyl 20 ml in 10 liters water. Install pink bollworm pheromone trap @2/acre for monitoring moth activity. If 8 moth catch per day/trap for 3 consecutive nights noticed, spray neem based formulation 50 ml in 10 liters of water within a week. To manage root rot and fusarium wilt ,go for spot drenching with Carbendazim 50%WP 2g/L water at the base of affected plants as well as surrounding healthy plants.</p>
Bhavnagar	0	0.1	0	29.4	0.8	12	30	16	15	27	6	
Jamnagar	11	0	0	3	9	21	17	14	26	36	3	
Rajkot	0	0.3	15.7	3.1	2.2	20	28	14	20	44	3	
Broach	0					25	24	25	40	44	52	
Sabarkantha						17	18	49	35	60	311	
Surendranagar	0.6	0	0	8.6	3.8	12	33	14	37	54	6	
Ahmedabad	0	0	4.7	0.2	21.2	18	34	19	37	54	15	
Baroda	0	0	0.2	1.2	6.2	34	47	21	37	45	42	
Patan						47	13	34	41	61	9	
Mehesana						11	12	37	41	61	52	
MP												
Khargaon	8	15.8	3.6	12.6	25.2	49	30	28	14	29	19	<p>The crop is 32-82 days old at vegetative to flowering stage. It was a rainy weather. Inter culture practices, application of insecticides & fertilizers were taken up. Jassids and whiteflies incidence was noticed below ETL. No incidence of diseases.</p> <p>Advisory: Farmers are advised to monitor the field regularly and if pest crosses ETL then spraying may be done If the population of any sucking pests crosses ETL, apply neem based insecticides @1.0 litres /acre in 200 liters of water. Apply spray of Diafenthiuron @200g/acre OR Flonicamid @80g/acre OR Dinotefuran 60g/ace in case the mixed infestations of whitefly and leafhopper is noticed. Weeding and intercultural operations may be performed during the week. Fertilizer may be applied at the rate of 150:75:40 Kg/ha. 25% N at 30 days and 25% N + 50% P+K at 60 days and 25% N applied at 90 days.</p>
Dhar	0	0	10	1.2	8	28	25	13	6	28	18	
Khandwa	0	0	0	0	0	49	30	39	7	8	25	
MAHARASHTRA												
Dhule	0	0	0	0	0	32	11	6	11	28	36	<p>Sowing has been completed in almost all the regions. The crop is 30 days old at vegetative stage. Medium weed infestation. The growth of crop is satisfactory. At Nanded, the crop is 15-50 days old at seedling to flowering stage. Has rained for last three days. Thinning, weeding, intercultural, drainage and plant protection measures were taken up. Aphids and jassids infestation were observed in some location above ETL. No incidence of diseases.</p> <p>Advisory: Excess water in field should be drained off. Thinning should be done keeping two plants per hill. If basal fertilizer dose not applied at the time of sowing, should be</p>
Nandurbar	0	17	22	20	4	26	26	17	28	41	44	
Jalgaon	0	0	1	42	14.5	34	12	8	11	28	36	
Ahmednagar	0	9.4	2.4	0.8	0	62	39	30	12	22	64	
Aurangabad	0	0	4	3	3	9	3	5	16	11	16	
Jalna	0	0	0	15		34	13	21	7	7	12	
Beed	0	0	0	0	0	39	65	27	6	6	14	
Nanded	0	0	0	4	10	82	118	41	17	10	19	
Parbhani	0	0	2.2	27.6	10.7	33	118	37	9	4	11	
Hingoli			14	36		65	67	20	18	4	10	

Buldhana	0	0	7	43	8	41	31	32	12	11	14	applied@ 48:60:60 NPK kg/ha after 15 DAS. Top dressing of Nitrogen, 36 kg/ha at 30 DAS in rainfed or 60 kg/ha in irrigated condition at 60 DAS should be done by drilling or ring method as per soil test value.
Akola	0	22.3	16.2	21	11	33	48	51	16	13	25	
Washim	0	4.2	11	27	15.2	15	23	21	28	8	13	
Amravati	0	0	7	19.6	20.6	49	55	66	12	13	27	
Yavatmal	5.2	0	6.6	3.6	31.4	54	56	37	34	12	14	
Wardha	4	0.7	5.1	35.6	47.6	43	56	37	7	10	19	
Nagpur	0	0	108.4	20.6	22.8	63	49	37	8	15	39	
Chandrapur	0	0	34	1	20.5	68	64	47	16	24	16	
TELANGANA												
Adilabad	0	0	4.5	11	20			15	8	16	13	At Guntur, the crop is 0 to 20 days old from germination to leaf stage. The weather is cloudy with intermittent shower and hot humid weather. Sowing is still going on. Pre emergence application of herbicides was taken up. At Nandyal, the crop is at vegetative to flowering stage. The weather was humid with medium wind speed coupled with low rainfall. Sowing is in progress in most of the areas whereas in early sown crop inter cultivation and weeding is in progress. No major weed infestation was noticed. Sucking pests like jassids was noticed which was below ETL. No incidence of diseases. Advisory: Seed treatment with Imidacloprid 70 WS @ 5 g / kg or Thiamethoxam 70 WS @ 4 g / kg or Imidacloprid 48 FS@ 9ml/kg of seed. Basal application of phosphorus fertilizers to be taken up.
Warangal	0	0	34	26	4			9	0	9	19	
Khammam	0	0	57	57.2	16.8			9	0	10	13	
Karimnagar	0	0	37	68.6	22.2			21	3	0	10	
Mahabubnagar		5		17.6				17	11	6	19	
AP												
Guntur	4.1	0	8.7	7.4		18	0	0	5	3	11	
Prakasam		0	4.4	7.0	8.4	0	35	14	6	3	3	10
KARNATAKA												
Dharwad	1.8	0	0	5.8	0	8	4	9	6	4	12	Early sown crop is 50 days old at vegetative growth to flowering stage. Cloudy conditions with drizzling prevailed during this week in cotton growing areas of all districts. Top dressing the crop with 25 kg urea and 25 kg MOP fertilizers per hectare and plant protection measures for sucking pests was carried out. For management of Monocot and Dicot weeds, intercultivation was recommended. Aphid and Thrips incidence was noticed in moderate status . Mangaged alternaria leaf spot with spray of Metiram 55%+ Pyraclostrobin 5% WG 20g /10 L water. At Raichur, the Kharif crop sown in patches. The early sown crop is 40-45 days old at reproductive stage and late sown crop is 10-15 days old at seedling to vegetative stage. Weather was generally cold, humid and cloudy. Basal application of fertilizers was recommended and also soil application of MgSO4 (@ 10 kg per acre) was recommended to the farmers. Weeds were noticed in the early sown crop in the farmers fields. One inter-cultivation operation was carried out in the early sown crop. Pre- emergent herbicide application of Pendimethalin 38.7 CS @ 2.25 ml per litre of water was recommended to the farmers who have taken up sowing in this week. Post emergent application of Pyriithiobac Sodium @ 1.25 ml in 1 lit of water was recommended against weeds. Thrips have been noticed on the 30-35 days old
Haveri					1.8	7	4	7	5	3	5	
Mysore	8	4	2	0	0	7	4	0	3	3	0	

													crop in the area. Farmers have been advised to take up Fipronil spray @ 1 ml in 1 litre of water.No incidence of diseases. Advisory: Intercultivation, manual weeding and earthing up operation are to be taken up. If the population of any sucking pests crosses ETL, apply neem based insecticides @1.0 litres /acre in 200 liters of water. Apply spary of Diafenthiuron @200g/acre OR Flonicamid @80g/acre OR Dinotefuran 60g/ace in case the mixed infestations of whitefly and leafhopper is noticed. Mange Alternaria leaf spot.with spray of Pyraclostrobin 20%WG 2g Or Metiram 55%+ Pyraclostrobin 5% WG 20g /10 L water.
TAMIL NADU													
Perambalur	0	0	0	0	0	0	0	0	0	0	0	3	The fields are ready with summer ploughing and other field preparation is under progress.
Salem	45	0	19	0	0	11	0	0	0	0	0	0	
Trichy						12	0	0	3	11	4		
Virudhunagar	0	0	3	0	0	7	4	5	0	0	0		

Rainfall (mm)

Legend

<5	5-20	21-50	51-80	>80
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0.0 mm rainfall (no rainfall).

Blank space express data Not available.

Source: <http://imdagrmet.gov.in>

(Note: Data Assessed from <http://imdagrmet.gov.in> on 29st July, 2019)