



भा. कृ. अनु. प.- केंद्रीय कपास अनुसंधान संस्थान, नागपुर

ICAR-Central Institute for Cotton Research, Nagpur

An ISO 9001:2015 Certified Organisation



XXX Weekly Advisory for Cotton Cultivation from 31stDecember to 6th January '2024


North Zone: Crop season completed

ODISHA		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Koraput	0	0	0	0	0	0	0	0	0	0
	Kalahandi	0	0	0	0	0	0	0	0	0	0
	Balangir	0	0	0	0	0	0	0	0	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	
Crop Condition: In Odisha state, crop is at harvesting stage, final picking is almost completed.											
Advisory: Farmers of the cotton growing regions of Odisha state, are advised to continue picking where bolls are fully opened. Harvested seed cotton may be dried on concrete floor or tarpaulin sheets to reduce moisture to 8-10%. Collect and destroy the damaged bolls and plants due to pest and diseases. Once final picking is over, remove all cotton plants from the field to reduce pink bollworm multiplication. Shred the cotton stalks after last picking with mobile cotton shredder.											

GUJARAT		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Amreli	0	0	0	0	0	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
	Surendranagar	0	0	0	0	0	0	0	0	0	0
	Ahmedabad	0.3	0	0	0	0	0	0	0	0	0
	Baroda	0.1	0	0	0	0	0	0	0	0	0
	Patan						0	0	0	0	0
Mehsana						0	0	0	0	0	
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	
Crop Condition: At Surat, sown crop is at harvest stage. Picking is in progress. Plant protection measures were taken up. Cotton aphid and pink bollworm incidence were noticed above ETL. Bacterial leaf blight and boll rot were recorded at moderate to high level and leaf reddening at low to high in different hybrids. At Junagadh, the sown crop is at boll bursting stage. Picking is in progress. Aphid infestation has been observed in many places. Black sooty mold was also observed.											
Advisory: At Surat, farmers are advised to initiate picking of cotton when the seed cotton is dry without dew. Separate infested and non-infested seed cotton to get better prices. Whenever pink bollworm population cross ETL and at least average 8-10 green bolls are present per plant, spray insecticide like Cypermethrin 10% EC @250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenprothrin 10% EC @350 ml/acre Or Fenvalerate 20% EC											

@200 ml/acre Or Alphacypermethrin 10% EC @120 ml/acre. Further, to prevent the incidence of diseases like grey mildew and *Corynespora* target leaf spot, spray Kresoxim methyl 44.3 SC @10 ml or Propiconazole 25 EC @10 ml or (Metiram 55% + Pyraclostrobin 5% WG) @20 g or (Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC) @ 10 ml or (Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC) @ 6 ml in 10 litres of water. Shred the cotton stalks after last picking with mobile cotton shredder.

At Junagadh, after last picking, allow the cattle and sheep to graze remaining stubbles and bad opened bolls infested with pink bollworm. Terminate the crop at the earliest. Shred the cotton stalks after last picking with mobile cotton shredder.


MADHYA PRADESH		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Khargone										
	Dhar	0	10	0.6	0	0	0	0	1.5	1.3	0
	Khandwa										
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Khandwa, the sown crop is at picking stage. Picking is in progress in majority of the fields.

Advisory:

At Khandwa, farmers are advised to keep picked cotton on clean cloth or tarpaulin. Avoid mixing of pieces of dry leaves, stalks and soil while picking the lint which would deteriorate the quality of lint. Spread the cotton in sunlight to reduce the moisture content wherein excess moisture harms the quality of lint as well as seed. Do not pick partially opened, undeveloped bolls or bolls containing moisture. Storage area should be well ventilated and Pucca. If required, carry out fumigation of store house before storing the lint. Fertilizers, cattle feeds, agricultural chemicals should be avoided with lint. In fields where crop has been completed, rabi crop has been sown. In these areas, do not keep stalks of cotton plants in the fields. Shred the cotton stalks after last picking with mobile cotton shredder. Terminate the crop by the end of December and destroy crop residue. If irrigation facilities are available, take up rabi crop as rotation.

MAHARASHTRA		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Dhule	0	2	0.5	0	0	0	0	0	0	0
	Nandurbar						0	0	0	0	0
	Jalgaon	0	11	0	0	0	0	0	0	0	0
	Ahmednagar	0	0	0	0	0	0	0	0	0	0
	Aurangabad	0	0	0	0	0	0	0	0	0	0
	Jalna	0	0	0	0	0	0	0	0	0	0
	Beed	0	0	0	0	0	0	0	0	0	0
	Nanded	1	0	0	0	0	0	0	0	0	0
	Parbhani	0.3	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	3	5.6	0	0	0	0	0	0	0	0
	Washim	0	0	0	0	0	0	0	0	0	0
	Amravati	0	7.4	0	0	0	0	0	0	0	0
	Yavatmal	0	0	0	0	0	0	0	0	0	0
	Wardha	0	0	0	0	0	0	0	0	0	0
Nagpur	0	2.5	0	0	0	0	0	0	0	0	
Chandrapur	0	2	0	0	0	0	0	0	0	0	
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Akola, final picking is in progress.

At Nanded, the crop has been completed.


At Rahuri, final picking is over and crop has been completed.

Advisory:

At Akola, farmers are advised to take up rabi crop of either chickpea or wheat if irrigation facility is available. Give priority for clean picking of cotton. Shred the cotton stalks after last picking with mobile cotton shredder.

At Nanded, farmers are advised to dry the picked cotton before storage and store cotton of individual picking and hybrids separately. Shred the cotton stalks after last picking with mobile cotton shredder. If irrigation facilities are available, take up sowing of wheat or other crop as rotation.

At Rahuri, farmers are advised to allow the cattle and sheep to graze the remaining stubbles and bad opened bolls. Shred the cotton stalks after last picking with mobile cotton shredder.

TELANGANA		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Adilabad	0	0	0	0	0	0	0	0	0	0.1
	Warangal	2	0	0	0	0	0.1	0	0	0	0
	Khammam	0	0	0	0	0	0	0	0	0	0
	Karimnagar	0	0	0	0	0	0	0	0	0	0
	Mahabubnagar	0	0	0	0	0	0.1	0	0	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

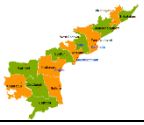
At Warangal, picking is completed.

At Adilabad, final picking is in progress.

Advisory:

At Warangal, once cotton harvesting is completed, incorporate stubbles with rotavator or shredder. Terminate the crop by the end of December and destroy crop residue. If irrigation facilities are available, take up rabi crop as rotation.

At Adilabad, If irrigation facilities are available, farmers are advised to take up rabi crop as rotation.

ANDHRA PRADESH		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Guntur	0	0	0	0	0	0	0	0	0	0
	Prakasam	30.4	0	0	0	0	0	0	0	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Guntur, the crop is at boll maturity and bursting stage. Incidence of aphids and pink bollworm were above ETL in the farmers' fields.


At Nandyal, the crop is terminated.

Advisory:

At Guntur, farmers are advised to spray Flonicamid 50% WG @ 80 g/acre or Dinotefuran 20% SG @ 60 g/acre or Imidacloprid 17.8% SL @ 60 ml/acre Or Tolfenpyrod 15% EC @ 400 ml/acre Or Fenpyroximate 5% EC @ 300 ml/acre to control sucking pests. If pink bollworm crosses ETL apply a spray of Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenprothrin 10% EC @ 350 ml/acre Or

Fenvalerate 20% EC @ 200 ml/acre Or Alphacypermethrin 10% EC @ 120 ml/acre. Give follow up spray for PBW management after 15 days of previous spray.

At Nandyal, farmers are advised to collect and destroy diseased bolls and crop debris from the field to check carryover of pathogens in cultivated fields. Shred the cotton stalks as final picking is over and crop is terminated.

KARNATAKA		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Dharwad	0	0	0	0	0	0	0	0	0	0
	Haveri						0	0	0	0	0
	Mysore	0	0	0	0	0	0	0	0	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Dharwad, picking is in progress.


At Raichur, the sown crop is at picking stage. Sucking pest and pink bollworm incidence was recorded in very late sown crop.

At Chamarajanagar, the crop season is completed.

Advisory:

At Dharwad, if pink bollworm crosses ETL (8 moths per night for consecutive 3 days or 10% green boll infestation) apply a spray of any of the insecticide such as Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenprothrin 10% EC @ 350 ml/acre Or Fenvalerate 20% EC @ 200 ml/acre Or Alphacypermethrin 10% EC @ 120 ml/acre. Shred the cotton stalks after last picking with mobile cotton shredder.

At Raichur, farmers who have sown early, are advised to take up second picking at the earliest possible to avoid rotting of bolls due to fog. Wherever sucking pests found above ETL, spray Flonicamid 50 % WG @ 80 g/acre Or Imidacloprid 17.8% SL @ 60 ml/acre or Dinotefuran 20% SG @ 60 g/acre or Buprofezin 25 SC @ 400 ml/acre. Spray Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenprothrin 10% EC @ 350 ml/acre Or Fenvalerate 20% EC @ 200 ml/acre Or Alphacypermethrin 10% EC @ 120 ml/acre against pink bollworm. Shred the cotton stalks after last picking with mobile cotton shredder.

TAMIL NADU		Actual Rainfall in last week (mm)					Predicted Rainfall in next week (mm)				
		December					January				
		27	28	29	30	31	02	03	04	05	06
	Perambalur	1	0	1.5	3	0	2	2	1	0	0
	Salem	2	0.2	0	0	0	3	0	0	0	0
	Trichy						2	2	1	0	0
	Virudhunagar						8	4	0	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Coimbatore and surrounding areas, the crop is at boll maturity/ harvest stage. Picking is in progress in majority of the fields. Pink bollworms were controlled using remedial measures. *Alternaria* leaf blight, grey mildew and root rot were recorded in the fields.

At Srivilliputhur in and around fields, the sown cotton is at boll development stage. Incidence of cotton leaf hopper, stem weevil, bacterial leaf blight, grey mildew and root rot complex were recorded in few fields.

Advisory

At Coimbatore and surrounding areas, farmers are advised to pick well matured bolls and insect damaged, discoloured bolls, sort out and store them separately. Monitor the crop scrupulously for pest and disease incidence. Install yellow sticky traps 8-10/acre to monitor whitefly and jassid incidence. Install pheromone traps @ 2/acre to monitor pink bollworm. In non-Bt cotton (varieties), spray Chlorantraniliporle 18.5% @150 ml/ha or Flubendiamide 39.35% SC @125 ml/ ha to control spotted bollworm (*Earias vitella*). In case of sucking pests above ETL, spray Flonicamid 50 % WG @ 80 g/acre Or Imidacloprid 17.8% SL @ 60ml/acre or Dinotefuran 20% SG @ 60 g/acre or Buprofezin 25 SC @ 400 ml/acre. Apply foliar spray of (Metiram 55% + Pyraclostrobin 5%) WG @ 2.0 g/litre or Propineb 70% WP @ 2.5-3 g/litre or Propiconazole 25 EC @1 ml/litre or Carbendazim 50 WP @1.0 g/ litre of water to reduce the severity of *Alternaria* leaf blight incidence. Foliar spray of *Pseudomonas fluorescens* 0.5 % WP@0.2% is suggested to manage bacterial leaf blight. Manage TSV incidence through vector (thrips) control by spraying insecticides like Thiamethoxam 25% WG @ 40 g/acre Or Spinetoram 11.7% SC @ 170 ml/acre Or Profenofos 50% EC @ 600 ml/acre. Drench the soil with *Trichoderma harzianum*@5 ml/litre of water to manage soil-borne diseases. Cotton fields should be cleaned and kept free from *Parthenium* weeds which serve as the source of TSV inoculum.

At Srivilliputhur in and around fields, farmers are advised to take up hand weeding to control early emerged weeds. Monitor the crop scrupulously for pest and disease incidence. Wherever sucking pests found above ETL, spray Flonicamid 50 % WG @ 80 g/acre Or Imidacloprid 17.8% SL @ 60 ml/acre or Dinotefuran 20% SG @ 60 g/acre or Buprofezin 25 SC @ 400 ml/acre. Install pheromone traps @ 2/ acre to monitor pink bollworm. Drench collar region with Chlorpyrifos 50 EC @ 2.5 ml + Carbendazim 50 WP@1.2 g/litres of water followed by earthing up to prevent stem weevil and root rot damage. Spray Carbendazim 0.1% to control grey mildew and Copper oxy chloride 0.25% to control Bacterial leaf blight
