ICAR-Central Institute for Cotton Research, Nagpur

Weekly Advisory for Cotton Cultivation from 23rd November to 1st December'2018

WEATHER ADVISORY

	ACTUAL RAINFALL In mm IMD				PREDICTED IMD					Advisory
	NOVEMBER / DECEMBER									
Date	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**01**	
ORISSA										
Koraput		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	The crop is 150 to 157 days old at boll bursting to harvesting stage. The weather was dry and cool. Cotton crop was in good condition in the districts of Kalahandi, Nuapada and Bolangir. Jassid population was below ETL in districts like Kalahandi, Nuapada and Rayagada. Thrips population also below ETL (3.0-4.0/3leaves). Spotted bollworm and American bollworm reported in Non-Bt cotton in Nuapada and Kalahandi districts but below ETL. Angular leaf spot and Grey Mildew have been reported in Kalahandi, Nuapada, Bolangir and Rayagada districts. **Advisory:** No need to adopt any chemical intervention as crop is at boll bursting stage. Picking of fully opened bolls may be done in sunny hours of the day.
Kalahandi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Balangir		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GUJARAT										
Amreli					0.0	0.0	0.0	0.0	0.0	At Junagadh, the crop is 140 days old at boll bursting stage. Infestation of PBW was below ETL. The infestation of Mealybug observed at 2nd grade. So Chlorpyriphos 20 EC @ 25 ml in 10 litre of water was sprayed. Sooty mould was observed in farmers' fields.. *Alternaria* leaf spot disease at 0 to 3 grade was observed during survey of farmers' field. **P**arawilt disease was also observed in few fields during survey which was due to temperature fluctuations and scarcity of water which might result in yield reduction. **Advisory:** If pink bollworm crosses ETL, spray Fenvalerate 20 EC @ 10ml in 10 litres of water. No chemical interventions required for diseases or mealy bug.
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	0.0	0.0	0.0	0.0	
Broach	0.0	0.0	0.0	0.0	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	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	0.0	0.0	0.0	At Khandwa, the crop is 145 to 175 days old at boll formation, boll development and maturity stage.. Incidence of jassid, whitefly and pink bollworm were controlled using recommended measures. No reports of disease incidence. **Advisory:** No chemical interventions required.
Dhar		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Khandwa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAHARASHTRA										
Dhule	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	At Akola, the crop is 135 to 140 days old at boll development and bursting stage. No infestation of weeds. Due to early withdrawal of rains, flowering and growth development stages of cotton was affected. Overall season was not good for cotton crop due to excess rainfall and heavy incidence of sucking pest in the region resulted heavy reduction of yield. Pickings are in progress. **Advisory:** If PBW observed more than 10 per cent, spray Fenvelerate 20 EC @ 5ml or Cypermethrin 10 EC @ 7ml in 10 litres of water only if plant have minimum 6-8 green bolls.
Nandurbar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Jalgaon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ahmednagar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Aurangabad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Jalna	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Beed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Nanded	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Parbhani	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hingoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Buldhana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Akola	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Washim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Amravati	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Yavatmal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wardha	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Nagpur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Chandrapur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TELANGANA										
Adilabad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	At Guntur, the crop is 75 to 120 days old , has entered boll formation and boll development stage. Weather was hot and humid. Spraying for sucking pests (Thrips/ Jassids) and *Spodoptera* was taken up. Pickings are in progress.In some places (rainfed light soils) 4-5 q/acre seed cotton was realized. Wherever irrigation facilities are available, farmers are giving light irrigation and they were suggested to apply 50kg Urea and 15kg MOP per acre besides foliar nutrition. In isolated pockets. Spraying of 1% Carbendazim was done to control grey mildew. **Advisory:**
Warangal	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
Khammam	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Karimnagar	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Mahabubnagar	0.0				0.0	0.0	0.0	0.0	4.0	
Guntur	0.0	0.0	0.0		0.0	0.0	0.0	0.0	3.0	
Prakasam	0.0	0.0	0.0						0.0	

										Foliar application of nutrients (19:19:19, KNO_3) at squaring, flowering and boll development stages to be given. Application of NSKE may be done in view of its ovicidal action against pink bollworm.
KARNATAKA										
Dharwad		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	At Raichur, early sown crop (170-180 days) enters boll development stage. Late sown crop (130-135 days) is in flowering stage and boll initiation stage. Very late sown crop is 95-105 days old. No rainfall received during the reporting week. Intercultural operations and fourth top dressing with Nitrogen and Potassium were carried out for the late sown crop. Two pickings were done for the early sown crop. One picking was done for the late sown crop. In the tail end command areas also, the irrigated crop is suffering from moisture stress due to non-release of canal water. Mealybugs were noticed in some areas. Buprofezin @ 2 ml per liter water was recommended to control mealybugs. Myrid bugs were also noticed in some areas where Fipronil 1ml per liter was recommended. Profenophos 1.5 ml per liter was recommended against pink boll worm for 90-95 days old crop. Thiomethaxam 0.25 g per liter of water were recommended for 105-110 days old crop against sucking pests. No incidence of diseases. Picking has been started in the early sown crop. Even in late sown crop which enters into 130 days, the farmers have initiated first picking of cotton. More than 50% of the cotton area is under cotton pickings.. **Advisory:** After last picking, it is suggested to rotoslash the cotton stalks instead of continuing the crop by giving irrigation and fertilizers.
Haveri		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Mysore		0.0	0.0	0.0	0.0	0.0	0.0	9.0	40.0	
TAMIL NADU										
Perambalur		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	At Srivilliputhur, the crop is 55 to 100 DAS at boll formation to boll development stage. Weeding and top dressing of fertilizers in many parts of area taken up. *Echinochloa* spp, *Trianthema portulacastrum, Dactyloctenium aegyptium, Cyperus* spp, *Cynadon dactylon* were the major weeds that infested the crop. Sucking pests (Jassid, aphids and whitefly) and bollworms were observed in some areas. Root rot incidence was noticed in some areas. At Coimbatore, the crop is 89 days old at square formation and boll development stage. Irrigation is recommended for square retention and maturity based on the soil moisture condition. **Advisory:** Application of Chlorantraniliprole 125 ml / ha recommended for the control of bollworms. Acetamaprid @ 100ml / ha is suggested to farmers for the management of sucking pests. Root rot may be managed by the application of Carbendazim @ 0.2%.
Salem		0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	
Trichy		0.0	0.0	0.0	0.0	0.0	0.0	5.0	17.0	
Virudhunagar		0.0	0.0	0.0	0.0	0.0	13.0	34.0	45.0	

Rainfall (mm) legend

<5	5-20	21-50	51-80	>80

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