

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation for the period 1st - 6th August 2017

"The advisory is based on inputs received from the State Agricultural Universities of the respective state"

WEATHER ADVISORY

Date	IMD rainfall forecast						
	1	2	3	4	5	6	
PUNJAB							<p>At Faridkot, the crop is at boll development stage. Irrigation to be done to avoid stress to the flowering plants. Itsit (Trianthema spp.) and tandla (Digera arvensis) weed infestation was removed manually or by weedicide spray. Whitefly was above economic threshold level. Leafhopper/3 leaves: above ETL at few locations. Farmers are advised to spray neem based insecticides @1 lt/acre if 4-5 whitefly/leaf is found; if incidence is higher 6-8/leaf, spray Triazophos 40EC @600ml/acre or Ethion 50 EC @ 800ml/acre. If both jassid and whitefly are above ETL, spray Flonicamid 50 WG @ 80g /acre. If leafhopper infestation alone is above ETL, spray Thiamethoxam 25 WG @40 g /acre. Due to warm and humid conditions, bacterial blight is likely to occur in Cotton. To manage this disease, spray the crop with Blitox 50 (WP) 500 g along with 3.0 g Streptomycin per acre, on clear day; Uproot and destroy leaf curl infected American cotton plants at an early stage of infection. Manage whitefly vector with above mentioned insecticides. Some plants may show parawilt symptoms after rains. Cobalt chloride sprayed @10 mg/l of water within few hours of appearance of symptoms. At Sirsa, the crop is 70 to 80 days old at vegetative and reproductive stage. Digera arvensis, Cyanodon dactylon, Trianthema monogyna and Amaranthus viridis have infested the crop. The incidence of all three sucking pests noticed during the week. Farmers are advised to remain vigilant as the whitefly population is increasing and has crossed ETL at many locations surveyed. Farmers are advised to spray flonicamid @80g/acre in 150-200 liters of water wherever the neem interventions has been applied and population of the whitefly has crossed ETL or mixed infestations of leafhopper and whitefly is noticed. At Bhatinda, the crop is 75 to 80 days old at flowering stage. One spray of Ulala @ 80 l /acre has been given. Whitefly population varied from 2 -26 per three leaves. Jassid population varied from 2- 17 per three leaves. Farmers are advised to spray Thiamethoxam (Actara) @ 40g/acre. Wherever the ETL of whitefly and jassid crossed, spray of Ulala @ 80 g/acre has been recommended. Adjust the spraying pattern according to the rainfall showers in upcoming week. Spray of Osheen @60g/acre was recommended to control whitefly.</p>
Bathinda	16	8	0	0	0	0	
Ferozepur	15	8	0	0	0	0	
Muksar	15	8	0	0	0	0	
Mansa	35	5	0	0	0	0	
HARYANA							
Sirsa	20	0	0	0	0	0	
Hissar	162	0	0	0	0	4	
Fatehabad	87	4	0	0	0	0	
RAJASTHAN							
Hanumangarh	85	6	0	0	0	0	
Sri Ganganagar	6	6	0	0	0	0	
						0	
Banswara	3	3	3	3	0		
ORISSA							Sowing of cotton has been done in 50% area The crop is 36 to 43 days old. The weather was hot and humid.

Koraput	16	6	8	6	12	15	First top dressing and earthing up, manual weed management were the operations carried out. .All types of weeds I.e. grasses, sedges and BLW have infested the crop. 1. As rainfall is expected during next 5 days and monsoon is active, farmers are advised to go for 1st top dressing and earthing up. Recommended dose of fertilizers for hybrids: 120: 60:60 kg NPK/ha, For varieties: 90:45:45 kgNPK/ha, First top dressing : 50 % K + 50% N. Spacing: Normal planting- 90 cm x 60 cm and HDPS- 60 cm x 10 cm. For green manuring, incorporate Sunhemp to the soil during earthing up. Seeds should be treated with Azotobactor and PSB @ 25 g each/kg of seed. Intercropping should be done with red gram at 8:2 row ratio. Trap crops like castor, marigold and maize should be planted around the cotton field. For weed management, apply Pendimethalin at 1.0 kg/ha at 1 DAS as pre-emergence spray.
Kalahandi	13	5	7	6	9	13	
Balangir	15	0	3	3	0	0	
GUJARAT							Sowing has been initiated in most parts of the State. The crop is 35 days old and in good condition. Inter culturing and gapfilling have been carried out. Hand weeding done to remove the weeds.Minor attack of thrips, ash weevil and stem borer noticed.Bacterial blight infection has initiated in traces.
Amreli	4	0	0	0	0	0	
Bhavnagar	0	0	0	0	0	0	
Jamnagar	0	0	0	0	0	0	
Rajkot	0	0	0	0	0	0	
Broach	14	0	0	0	0	0	
Sabarkantha	0	3	3	3	0	0	
Surendranagar	0	0	0	0	0	0	
Ahmedabad	0	0	0	0	0	0	
Baroda	7	13	4	4	4	0	
Patan	0	0	0	0	0	0	
Mahesana	0	0	0	0	0	0	
MP						0	
Khargaon	6	0	0	0	0	0	
Dhar	3	4	4	3	0	0	
Khandwa	9	0	0	0	0	0	
MAHARASHTRA						0	At Akola, the crop is 15 to 20 days old at seedling stage. Gap filling and thinning operations have been carried out. Low infestation of weeds.
Dhule	5	3	3	3	0	0	
Nandurbar	0	0	0	0	0	0	
Jalgaon	12	3	0	0	0	0	
Ahmednagar	27	34	13	15	7	5	
Aurangabad	4	7	0	0	0	0	

Jalna	0	6	0	0	0	0	
Beed	5	7	0	0	0	0	
Nanded	0	0	0	0	0	0	
Parbhani	4	6	0	0	0	0	
Hingoli	0	0	0	0	0	0	
Buldhana	12	4	0	0	0	0	
Akola	3	0	0	0	0	0	
Washim	0	0	0	0	0	0	
Amravati	11	4	3	0	0	0	
Yavatmal	0	0	0	0	0	0	
Wardha	0	0	0	0	0	0	
Nagpur	6	3	0	0	0	0	
Chandrapur	3	0	0	0	0	0	
TELANGANA							
Adilabad	0	0	0	0	0	0	
Warangal	0	0	0	0	0	0	
Khammam	0	0	0	0	0	0	
Karimnagar	0	0	0	0	0	0	
Nalgonda	0	0	0	0	0	0	
Mahabubnagar	0	0	0	0	0	0	
AP							
Guntur	6	0	0	4	0	0	
Prakasam	6	0	0	4	0	4	
KARNATAKA							
Dharwad	7	8	8	22	32	15	
Haveri	8	9	8	26	34	23	

Land preparation and procurement of inputs is taken up. Deep summer ploughings and land leveling completed. If sufficient soil moisture is available, farmers are taking up cotton sowings. The crop is at 20-25 days stage and suffering from moisture stress. Foliar application of 1% KNO₃ or 1% 19-19-19 with hand sprayers has been given. In Summer cotton, the crop is in boll development and first picking stage. Thrips incidence was observed. If sufficient soil moisture is available, first split application of fertilizers can be given. Stem application with (1:4) Monocrotophos : water is recommended at 30 DAS.

The Cotton is 35 days old at seedling stage in farmers fields. Pre emergence application of weedicide given. First split application of fertilizers to be sprayed wherever sufficient soil moisture is there. If dry spell prevail, farmers are advised to go foliar nutrition with 1% KNO₃. In Summer cotton, the crop is in boll development to 1st picking stage. Thrips incidence was observed. Spraying of Monocrotophos 1.6ml/l or Acephate 1.5 g/l or Fipronil 2ml/l. is recommended. Stem application with (1:4) Monocrotophos : water is recommended at 30 DAS.

Sowing was done in an area of about 25 per cent those who have already prepared the lands. No rains during last week in major parts of Haveri, Dharwad, Belgaum and Gadag districts. Scattered sowing of Bt cotton wherever irrigation facilities are available. Sown crop is 20-30 days old and the crop is at seedling stage in

Mysore	8	5	13	23	36	49	about 10-15% area of cotton planted. Sowing of desi cotton is advised till the first fortnight of August if sufficient soil soaking rains occur during this period. At Raichur, weeds were noticed in the early sown crop in the farmers fields. One inter-cultivation operation was carried out in the early sown crop (in the month of June). Thrips were noticed in the 25 days old crop in the area. They were advised to take up Fipronil spray @ 1 ml in 1 litre of water. No incidence of diseases. The crop of summer irrigated cotton is at boll development and maturity stage. Picking of kapas is going on.
TAMILNADU							
Perambalur	7	5	0	8	7	29	
Salem	4	3	0	4	7	18	
Trichy	8	7	0	6	5	77	
Virdhunagar	12	9	8	14	10	77	

Rainfall (mm)	< 5	5-20	21-50	51-80	> 80
Legend Colour					

0 mm rainfall in the blank spaces

Source: <http://nwp.imd.gov.in/>

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