

# Central Institute for Cotton Research

## First Weekly Advisory for Cotton Cultivation: 22-28 July 2012

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

### NORTH INDIA

#### Punjab

The cotton crop is at vegetative to square formation stage. The general condition of the crop is good. Whitefly infestation has been noticed but it is still below ETL level. Jassids are present at 2-3/three leaves and are expected to cross ETL in the coming days. Prevailing dry weather & hot and humid conditions are favoring the insect pests. NSKE 5%+ 2.5L/Ha Neem oil may be sprayed to manage whiteflies and other minor lepidopterans.

#### Haryana

The crop is in vegetative as well as in reproductive phase. The whitefly population at most of the locations has crossed the ETL due to delayed rains. The thrip population has been recorded between 5-25 thrips/leaf. The leaf hopper appearance has been noticed ranging between 1-2 nymphs/3leaves. Root rot and CLCuD has been recorded. Drenching with Bavistin @2g/litre water for root rot has been recommended. NSKE 5%+ 2.5L/Ha Neem oil may be sprayed to manage whiteflies and other minor lepidopterans

#### Rajasthan

The crop is in vegetative stage. There is occurrence of whitefly and hence control measures are to be taken to avoid transmission of Leaf curl virus. The weather condition during next 4days would be stable with scanty to heavy rains. NSKE 5%+ Neem oil 2.5L/Ha may be sprayed to manage whiteflies and other minor lepidopterans

### CENTRAL INDIA

#### Gujarat

By the end of third week of July, cotton is sown in 13, 50, 000 ha area in the state which was less than estimated sowing due to late monsoon. Monsoon is still deficit in many area of the state showing adverse effect on growth and development of the crop. In areas having irrigation facility, the crop sown during early May / June, the general crop condition is good. Weeding and interculturing operations are advised to early sown crops. Pest situation in early sown crop indicated leaf hopper infestations and appropriate measures suggested. NSKE 5%+ 2.5L/Ha Neem oil may be sprayed to manage whiteflies and other minor lepidopterans. They are informed to follow rotation of insecticide application group wise to prevent resistance build up. In July sown crop, farmers are advised for gap filling and maintaining plant stand. In general, crop condition is good.

#### Madhya Pradesh

Cotton crop is about 60 days in areas where it sown during May and in areas where it sown after onset of monsoon is of about 20 days. Monsoon rains started late and at present it is below normal in almost all the areas. Weeding, inter-culture & fertilizer applications are advised as per requirement. Sudden drying (New Wilt) is observed in Khargone &

Burhanpur districts and in some areas of Khandwa district. Farmers are advised for drenching of affected plants with Urea 1.5% . Incidence of jassids is observed in almost all the fields where crop was sown during summer. The farmers are advised to consult the companies from where the seeds were purchased.

### **Maharashtra**

Crop of pre-seasonal cotton is in Vegetative stage. Weeding and intercultural operations should be done. If basal dose is not applied it should be taken up immediately. Top dressing of nitrogen @ 60 kg/ha should be done. Infestation of jassids has been observed. Rainfed crop is in the stage of germination and early development. Thinning and gap filling should be done on priority. NSKE 5%+ Neem oil 2.5L/Ha may be sprayed to manage jassids and other minor lepidopterans. At Nagpur, crop is about 30-45 days old and healthy

### **Orissa**

The cotton crop is at three to four week stage. Hoeing and earthing up should be done for controlling weeds. First top dressing must be done with 25% N and 50% K<sub>2</sub>O. There is incidence of alternaria blight and Bacterial leaf spot in some places.

## **SOUTH INDIA**

### **Andhra Pradesh**

Cotton sowings were completed in about 2000 to 3000 acres wherever irrigation facilities are there and the crop is about one month old and in other areas the sowings are in progress with the receipt of monsoons. Advised the Fertilizer schedules for both Bt and non- Bt cotton areas as 150:60:60 and 120:60:60 NPK/ha

### **Karnataka**

Due to delayed onset of monsoon in Northern districts of Karnataka, hybrid cotton sowing commenced during this week. Advised no sowing of Hybrid cotton beyond July. In districts of Southern Karnataka, Bt cotton sown during the month of June is at vegetative growth stage and square initiation stage. Advised to top dress the crop with 25 kg N/ha (i.e. 50 kg Urea/ha) with spot application and interculture. Desi cotton varieties can be sown by this week end either as sole crop or as an intercrop in onion or chilli.

### **Tamil Nadu**

In the summer irrigated zones of Tamil Nadu (Parts of Tirunelveli, Virudhunagar, Ramanathapuram, Madurai districts) picking of kapas is in progress. Minor level of American boll worm (*Helicoverpa*) was noticed in the above areas. Field preparation for winter irrigated and summer rain fed cotton is in progress. Harvesting of kapas is in progress in summer irrigated cotton areas.

Note: The advisory is based on inputs received from the State Agricultural Universities of the respective states and for queries or clarifications or details, the Project coordinator (cotton), Coimbatore may be contacted.

Available at: [www.cicr.org.in](http://www.cicr.org.in)