



# Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin  
Central Institute for Cotton Research,  
Nagpur



## Agromet Advisory Bulletin

Date : 08-01-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-01-08(Valid Till 08:30 IST of the next 5 days)

| Parameter              | 2021-01-09 | 2021-01-10 | 2021-01-11 | 2021-01-12 | 2021-01-13 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall               | 1.0        | 0.0        | 0.0        | 0.0        | 0.0        |
| Tmax(°C)               | 31.0       | 29.8       | 30.5       | 30.2       | 29.8       |
| Tmin(°C)               | 21.0       | 20.8       | 21.0       | 20.0       | 18.0       |
| RH-I(%)                | 80         | 82         | 85         | 85         | 82         |
| RH-II(%)               | 58         | 60         | 56         | 58         | 60         |
| Wind Speed(kmph)       | 2.0        | 2.0        | 2.0        | 2.0        | 2.0        |
| Wind Direction(Degree) | 68         | 26         | 34         | 34         | 26         |
| Cloud cover(octa)      | 5          | 2          | 5          | 4          | 2          |

### Weather Summary/Alert:

In Nagpur district, as per forecast given by, RMC, Nagpur, sky will be partly to partially cloudy, morning relative humidity will be 80 to 85 %, afternoon relative humidity will be 58 to 60 % and on 08th January light rainfall at one/two places is forecasted.

### General Advisory:

Due to continuous cloudy weather and high humidity, the crop should be monitored from time to time considering the possibility of pest infestation on the rabi season crop and if pest or disease infestation is observed, it should be managed with recommended pesticides or fungicides. If mature arhar or other crop has been harvested, it should be stored in a safe place.

### SMS Advisory:

For management of rust and leaf blight disease in wheat, spraying should be done of Mancozeb 75% WP @ 20 to 25 gm per 10 liters of water.

### Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|------------------------|
|-----------------|------------------------|

| Crop(Varieties)                | Crop Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHEAT                          | According to soil moisture status and crop needs, wheat crop should be irrigated at maximum tillering stage (30-35 days after sowing), late jointing (45-50 days after sowing) and flowering stage (65-70 days after sowing) depending on soil moisture and moisture content.                                                                                                                                                                                                                                                         |
| WHEAT                          | If the incidence of pink stem borer is observed in wheat field, foliar spray of quinalphos 25 EC @ 800 ml /acre as soon as pink stem borer is seen. Irrigation also helps in reducing the pink stem borer damage.                                                                                                                                                                                                                                                                                                                     |
| WHEAT                          | In case of infestation of aphids in wheat crop is notice due cloudy weather, spray with Thimethoxam 25% WG @ 10 to 15 gm or Quinalphos 25% EC 40 ml per 10 liters of water for management.                                                                                                                                                                                                                                                                                                                                            |
| WHEAT                          | In wheat crop due to cloudy weather, in case of infestation of rust and leaf blight disease is notice spraying should be done of Mancozeb 75% WP @ 20 to 25 gm per 10 liters of water.                                                                                                                                                                                                                                                                                                                                                |
| WHEAT                          | Toxic bait should be used for rat management in wheat crop. To make a poisonous bait, mix 49 parts of cereal flour, a little bit of edible oil and 1 part of bromadiolone 0.25% CB. Spoon the bait into a plastic bag and place it in a live field bin or near the bin.                                                                                                                                                                                                                                                               |
| PIGEON PEA<br>(RED GRAM/ARHAR) | In the view of present cloudy weather, In pigeon pea, if incidence of pod borer 3 per plant, pod fly 1-3 larvae or 5 to 10 per cent of damage, 20 bird stops should be set up per hectare. 15 days after first spraying, second spraying should be done on Chlorantraniliprole 18.5 SC 3 ml or Indoxacarb 15.8% EC 6.6 ml or lambda-cyhalothrin 5% EC 10 ml or Flubendiamide 20% WG 5 gm or Emamectin benzoate 5% SG 4.4 gm or Chlorantraniliprole 9.30 per cent. + Lambda-Cyhalothrin 4.60% ZC mixed in 4 ml per 10 liters of water. |
| COTTON                         | Farmers are also advised to remove cotton stalks out of field after picking of cotton. Ratooning should be discouraged. Catching Pink bollworm adults in ginning mills and other storage places should be done to reduce carry over in next season.                                                                                                                                                                                                                                                                                   |
| COTTON                         | Picking of cotton should be done preferably in morning hours. Cotton should be dried in shed. Store cotton at dry places. Cotton picked from initial 3 pickings (Rainfed) and middle 4 pickings (Irrigated) having good quality. Therefore, if possible store it separately.                                                                                                                                                                                                                                                          |
| COTTON                         | Cotton: Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. If more than 60 % bolls are infested and no new flush seen on the plant, farmers advised to terminate the crop and go for Rabi crop.                                                                                                                                                                                                                                                               |
| COTTON                         | Cotton: If the infestation of pink bollworm crosses ETL, take up spray of Thiodicarb 75 %WG 20 gm or spray Lambda Cyhalothrin 5 EC @ 10ml or Thiodicarb 75 % WP @ 20 g or Cypermethrin 10 EC @ 10 ml or Profenophos 30 ml or Emamectin benzoate 5 SG @ 5g per 10 litre of water.                                                                                                                                                                                                                                                      |
| BENGAL GRAM/ CHICK PEA         | Due to cloudy weather condition, there is a chance of increase in incidence of pod borer in chickpea. It is advised to spray 5% Neem ark and erect T-shaped bird perches at several places in the field. Monitor the chickpea field regularly. If wilt affected plants observed, uproot it and destroy it immediately. In case of gram pod borer crosses ETL, spray Quinalphos 25% EC in 20 ml or Emamectin benzoate 5% SG 4.4 gm per 10 liters of water.                                                                             |
| GROUNDNUT                      | If irrigation water is available, summer groundnut should be sown in the second fortnight of January under Broad bed furrow system and sprinkler irrigation system should be used. Use 125 kg seed per hectare of TAG-24 or SB-11 variety. Seed treatment of Trichoderma 5 gm, Rhizobium 25 gm, and PSB 25 gm should be done per kg of seed.                                                                                                                                                                                          |
| GROUNDNUT                      | In the view of present cloudy weather, if the occurrence of rust and tikka (leaf spot), spraying should be done of Tebuconazole 25% WG 500-750 gm per hectare mix with 500 litre) of water. (10 to 15 gram/10 litre of water).                                                                                                                                                                                                                                                                                                        |

| Crop(Varieties) | Crop Specific Advisory                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GROUNDNUT       | In groundnut crop leaf folder or leaf miner, when ETL cross (2 larva per plant or 10 percent leaves are damage) is notice due to present cloudy condition, then apply spraying of Quinalphos 25 % EC, 1 litre/hectare mix with 500 litre of water (20 ml/10 litre of water) or Deltamethrin 2.8 % EC, 500 ml per hectare in 400-600 litre of water (10ml/ 10 litre of water). |

#### Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ORANGE                  | For orange fruit trees as per needs of crop the water requirement is 7-30, 44-72, and 82-102 litres per day for tree of age 1-4, 5-7, 8 years old and above, respectively should be met with drip system. Use double ring method if there is no drip system.                                                                                                                                                                                                                  |
| ORANGE                  | Mulching should be done in tree basin if not done earlier. For mulching grass, wheat husk near the tree trunk can be utilized start irrigation to the orchard for initiation of Ambia bahar as per the type of soil & stress received by the trees.                                                                                                                                                                                                                           |
| ORANGE                  | Infestation of citrus psylla occurs with the outburst of new leaves in Ambia bahar. The pest can cause 100 per cent flower drop if not controlled. The pest causes “die back” and “Greening” disease in affected trees causing “slow decline”. It can be controlled by spraying Dimethoate 2 ml or Acephate 2 g or Imidacloprid 0.5 ml per litre water at bud burst stage. Second spray should be carried after 10 days interval. Change the pesticides in subsequent sprays. |

#### Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory                                 |
|-----------------------|--------------------------------------------------------------|
| COW                   | Animals should be vaccinated against foot and mouth disease. |

#### Others (Soil / Land Preparation) Specific Advisory:

| Others (Soil / Land Preparation)(Varieties) | Others (Soil / Land Preparation) Specific Advisory                                              |
|---------------------------------------------|-------------------------------------------------------------------------------------------------|
| GENERAL ADVICE                              | Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc. |