



**Gramin Krishi Mausam Sewa**  
Experimental Block Level Agromet Advisory Bulletin  
(A Joint Initiative of IMD & ICAR)



## Agromet Advisory Bulletin

Date : 04-01-2022

Weather Forecast of **RAMTEK** Block in **NAGPUR**(Maharashtra) Issued On :2022-01-04(Valid Till 08:30 IST of the next 5 days)

| Parameter                     | 2022-01-05 | 2022-01-06 | 2022-01-07 | 2022-01-08 | 2022-01-09 |
|-------------------------------|------------|------------|------------|------------|------------|
| <b>Rainfall</b>               | 0.0        | 0.0        | 0.0        | 0.0        | 10.0       |
| <b>Tmax(°C)</b>               | 26.4       | 26.3       | 26.7       | 26.6       | 26.7       |
| <b>Tmin(°C)</b>               | 12.8       | 13.5       | 13.4       | 13.9       | 13.6       |
| <b>RH-I(%)</b>                | 48         | 52         | 53         | 64         | 87         |
| <b>RH-II(%)</b>               | 28         | 28         | 30         | 35         | 36         |
| <b>Wind Speed(kmph)</b>       | 5.0        | 6.0        | 7.0        | 7.0        | 7.0        |
| <b>Wind Direction(Degree)</b> | 27         | 162        | 72         | 116        | 154        |
| <b>Cloud Cover(Octa)</b>      | 0          | 0          | 0          | 0          | 2          |

### Weather Summary/Alert:

In Ramtek block, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy and weather is very likely to be dry during next four days (05th., January, 2022 to 08th, January, 2022) and light to moderate rainfall very likely to occur and thunderstorm accompanied with lightning very likely to occur on 09th, January, 2021 is forecasted.

### General Advisory:

It is advised for farmers to complete the remaining picking of cotton during next 3 to 4 days and terminate the crop to avoid PBW attack in next season. Farmers are also advised to carry out intercultural operation and spraying of agrochemical for pest and disease management during 3 to 4 days by judging the local clear weather condition. Considering the medium and extended range weather forecast it is advised to irrigate the crop by considering the soil moisture and the crop need at Wafsa condition and avoid unnecessary and excess irrigation. Considering the thunderstorms and lightning forecast, if you hear thunderstorms while working in the fields take shelter in a safe place immediately. Avoid cattle grazing on open spaces on thunderstorm & lightning forecasted days. Considering the rainfall forecast carry out harvesting of matured fruits of orange, sweet orange /guava orchards and matured/market ready vegetables.

### SMS Advisory:

Considering the medium and extended range weather forecast it is advised to irrigate the crop by considering the soil moisture and the crop need at Wafsa condition and avoid unnecessary and excess irr

### Crop Specific Advisory:

| Crop(Varieties)                   | Crop Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PIGEON PEA<br>(RED<br>GRAM/ARHAR) | Considering the rainfall forecast farmers are advised to complete the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places. In late sown Arhar, if the Infestation of small pod borer larva ( <i>Helicoverpa armigera</i> ) on Arhar crop and crosses ETL (10 to 20 larvae per 10 plants) spraying should be done of Emamectin benzoate 5 SG 3 gm or Chlorantraniliprole 18.5 % SC mix with in 2.5 ml per 10 liters of water and spray. Install pheromone traps at a distance of 50 m @ 5 / ha for monitoring of <i>Helicoverpa</i> . |
| WHEAT                             | Considering the dry weather forecast for next 4 days farmer are advised to carry out intercultural operation at Wafsa condition during next 3 to 4 days. In case of infestation of aphids in wheat crop is notice due to low temperature and cloudy                                                                                                                                                                                                                                                                                                                                         |

| Crop(Varieties)           | Crop Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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|                           | weather, spray with Thiamethoxam 25% WG @ 10 to 15 gm or Quinalphos 25 % EC 40 ml per 10 liters of water for management.in wheat crop due to low temperature and 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BENGAL GRAM/<br>CHICK PEA | Spraying operation should be carried out in clear weather condition. For integrated management of Gram Pod Borer 20 bird perches per hectare should be install up in the field. For control of gram pod borer install pheromone traps (Hexalur) two per acre or five per hectare. If eight to ten moths are found in the trap for three consecutive days, recommended management measures should be taken. In case of pest infestation by observing the crop or when the crop is in 40 to 50 % flowering stage, preference should be given to botanicals or biological pesticides. For this, first spraying should be taken of neem extract 5% or Azadiractin 300 ppm 50 ml per 10 liters of water with Knapsack sprayer pump. If spraying should be done with a power sprayer, apply three times the amount of pesticide. If Gram Pod Borer has reached the ETL, spraying should be done with Quinalphos 25 % EC 20 ml or Emamectin benzoate 5 % SG 3 gm or Flubendiamide 20 % WG 5 gm or Chlorantraniliprole 18.5 SC 2.5 ml per 10 liters of water. |
| COTTON                    | It is advised for farmers to complete the remaining picking of cotton during next 3 to 4 days and terminate the crop to avoid PBW attack in next season. 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 are advised to terminate the crop and go for Rabi crop. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

#### Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| BRINJAL                 | Use of water trap/Leuci lure pheromone traps to manage fruit and shoot borer to monitor, attract and kill the male moths @ 12 ha-1 and change the vial once in 3 weeks. If the pest crossed ETL, spraying should be done of Chlorantraniliprole 18.5 SC 2.66 to 4.0 ml per 10 litres of water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TOMATO                  | If the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-Al (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb. 64% (2.0 g/l) during clear weather condition. Irrigation of tomato crop should be avoided till the current spell of rains. If rain water is stagnated in field drain out immediately.                                                                                                                                                                                                                                                                                                                                               |
| CHILLI                  | Soak a cotton cloth in castor oil and then squeeze it on the chilli crop to manage the sucking pest of the chilli crop. So that the cloth will be controlled by sticking to the sucking insects (aphids, thrips, whiteflies and spiders). Apply blue sticky traps at the rate of 40 per acre for management of thrips. For management of sucking pest, spray with botanical insecticide neem extract 5 % or Azadiractin 300 ppm 50 ml per 10 liters of water. After 3 to 4 days spraying should be done of Dimethoate 30 EC 14 ml + Sulfur 80 % WP 25 to 30 gm or Fipronil 5 SC 20 ml + Sulfur 80 % WP or Fenpropathrin 30 % EC 3.5 ml + Sulfur 80 % WP 25 to 30 gm or Ethion 50 EC 40 ml + Sulfur 80 % WP 25 to 30 gm any of mix with in 10 litres of water. Repeated spraying of the same pesticide should be done alternately.                                                                                                             |
| ORANGE                  | In orchards where at least 20 days of stress has been completed before the rains and old leaves have decayed, irrigation should be started and spraying should be done with 1.0 g of gibberellic acid, 1.0 kg of urea and 100 g of carbendazim mixed with in 100 liters of water and during clean weather conditions. In orchards where harvesting of previous Ambia crop is pending till 15th December and the sufficient leaves are not fall or the leaves may not have been pale crushed, Chlormequat Chloride (CCC) should be mixed with 2 ml (1.5 ml in light soil) per liter of water and sprayed immediately and maintain stress for 10 to 12 days. In deep heavy soil, instead of chlormequat chloride (CCC), apply paclobutrazol 23 to 25 % through drenching at the rate of 30 to 40 ml per plant should be mixed in 5 liters of water through soil. As hailstones infest tree branches and trunks, apply a 1 % Bordeaux mixture on |

| Horticulture(Varieties) | Horticulture Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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|                         | the wounds to prevent the spread of the disease. As soon as mites appear, spraying should be done of Dicofol 18.5 % EC 2 ml or Wettable Sulphur 3 gm per liter of water at intervals of 15 days. Without any label claim but based on research apply Propargite 57 % EC 1 ml or Spiromesifen 240 SC 0.3 ml or Fenazaquin 10 % EC 1 ml per liter of water spray at 15 days interval. For control of black fly spray with Imidacloprid 17.8 SL 0.5 ml or Dimethoate 2 ml per liter of water. Adult generation and 50 per cent egg stage is the best time for spraying as early stages are available on the plant during this period. |

#### Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory                                                                                                                                     |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COW                   | Animals should be vaccinated against foot and mouth disease.                                                                                                     |
| COW                   | Avoid cattle grazing on open spaces on thunderstorm & lightning forecasted days.<br>Avoid tying animals under trees on thunderstorm & lightning forecasted days. |

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

| Others (Soil / Land Preparation)(Varieties) | Others (Soil / Land Preparation) Specific Advisory                                                                                                                                |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL ADVICE                              | Seedlings of 4 to 6 weeks old summer chilli, brinjal and tomato should be planted.                                                                                                |
| GENERAL ADVICE                              | It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid from 08:30 AM on the previous day to 08:30 AM on the said date. |