



## Agromet Advisory Bulletin

Date : 02-06-2023

Weather Forecast of **KALMESHWAR** Block in **NAGPUR(Maharashtra)** Issued On :2023-06-02(Valid Till 08:30 IST of the next 5 days)

| Parameter              | 2023-06-03 | 2023-06-04 | 2023-06-05 | 2023-06-06 | 2023-06-07 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall               | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |
| Tmax(°C)               | 43.0       | 43.2       | 44.3       | 44.0       | 43.7       |
| Tmin(°C)               | 25.6       | 25.8       | 26.8       | 26.7       | 26.2       |
| RH-I(%)                | 29         | 27         | 25         | 31         | 29         |
| RH-II(%)               | 17         | 16         | 16         | 19         | 20         |
| Wind Speed(kmph)       | 6          | 7          | 7          | 6          | 5          |
| Wind Direction(Degree) | 304        | 311        | 324        | 262        | 299        |
| Cloud Cover(Octa)      | 4          | 3          | 3          | 4          | 4          |

### Weather Summary/Alert:

• As per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy during next five days i.e. 31st, May to 04th, June, 2023. • Verylight to light rainfall and thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur on 31st, May and 01st, June, 2023. • Weather is very likely to be dry on 02nd, 03rd and 04th, June, 2023.

### General Advisory:

• Land preparation should be done (ploughing, harrowing) across the main slop/parallel to counter line to avoid the soil erosion and in situ moisture conservation. • If threshing is not possible it is advised to cover the harvested produced at safer places. • It is advised to avoid pre-monsoon cotton planting. • Considering the prevailing temperature, green shade net should be used to protect summer vegetable crop from heat. • Mulching of newly planted fruit trees of 1 to 4 years of age should be done with farm waste (palapachola) or wheat straw etc. Cover small plants with Cotton or Arhar stalk. • Taking into consideration the increasing temperature forecast, priority should be given to carry out the most important work in agriculture before 11 am. • Soil samples should be taken for soil testing and sent to authorised or government soil testing laboratory with appropriate charges. • To prepare kharif vegetable seedlings, sow seeds on raised bed (nursery). Seeds of Chili, Brinjal, and Tomato should be treated with Trichoderma fungicide and seed should be placed at appropriate spacing.

### SMS Advisory:

• Farmers and agricultural laborers should download and use Damini (Lightning Alert) mobile app from Google Play Store and App Store to get early warning of lightning hazard.

### Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| COTTON          | • Avoid pre-monsoon sowing of cotton crop. • Sowing of cotton crop should be done in the month of June, only after receipt of 80-100 mm of monsoon rainfall. • Selectshort duration and early maturing varietiesof cotton. • Crop rotation to be followed in the fields that were heavily infested with pink bollworm during last season to break the life cycle of pink bollworm. • Cotton is the only host of pink bollworm, therefore crop rotation helps to break the life cycle of this pest. • Crop rotation is very effective in checking the infection of soil borne diseases and nematodes in disease prone fields. |
| SOYABEAN        | • The soybean farmers are requested to use Broad Bed Furrow (BBF) or Ridge & Furrow. This will facilitate managing the crop both in case of waterlogging as well as drought situation. • In order to have stability in yield, farmers are advised to apply                                                                                                                                                                                                                                                                                                                                                                   |

| Crop(Varieties)             | Crop Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                             | deep summer ploughing once in 2-3 years. After this, the field should be prepared using criss-cross harrowing followed by planking. • If deep summer ploughing is performed during last 2-3 years, the field may be prepared using criss-cross harrowing followed by planking • Apply well decomposed FYM @ 10 t/ha or Poultry Manure @ 2.5 t/ha before the last harrowing. • As per suitability, farmers are advised to run sub-soiler machine at an interval of 10 m which facilitate the breaking of hard soil pan thereby increasing the rain water infiltration. • Select the soybean varieties recommended for your area and ensure the availability of seed. • Carryout germination test of the available seed which should be minimum 70% in order to have optimum plant population. • Ensure availability of other critical inputs like fertilizers, weedicides, fungicides and cultures for seed treatment etc. |
| GROUNDNUT                   | • For kharif groundnut cultivation, medium, well drained, humus rich, sand mixed clay soil and organic matter rich soil should be select. For groundnut cultivation, soil layer of 15 to 20 cm should be humorous. Apply 5 tons of well decomposed manure before the last harrowing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RICE                        | • Harvesting of mature Rice crops should be done keeping in view the local clear weather conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PIGEON PEA (RED GRAM/ARHAR) | • Agricultural land should be prepared for cultivation of Arhar crop. Good quality seeds of Arhar crop should be procured from authorized seller/certified seed holder only. Rhizobium or Phosphorus Dissolving Fertilizer (PSB) {250 gm per 10 kg of seed) should be used for seed treatment. Recommended varieties of Arhar are- AKT-8811, PKV-TARA, BSMR-853, BSMR-736 and ICPL-87119 (Aasha).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| GREEN GRAM                  | • PKV Moog-8802, PKV Green gold (AKM 9911) varieties of green gram should be select for cultivation of green gram crop,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BLACK GRAM                  | • For cultivation of Black gram crop, TAU-1, TAU-2, PKV udid-15 and PKV black gold varieties should be select,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

#### Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| MANDARIN ORANGE         | • For establishment of new orchard suitability of the soil needs to be examined. The soil depth should be a minimum of 1 meter but equally high-performance orchards can be established on soil depth measuring even less than 1 meter provided precision based cultural practices including the fertilization programme are adopted. The soil site should preferably be well drained, clay less than 60%, pH less than 8.3, free calcium carbonate less than 12 % and water table of the area more than 2 meters should be selected. • The pits excavated during the month of May may be filled up by a mixture containing 2 parts soil, one-part sand and 1 parts farmyard manure. In addition, add 1 kg Single super phosphate, 1 kg of neem cake and 100 g Chlorpyrifos powder in each pit. • Nurseryman of citrus should start filling polythene bags with the mixture of garden soil, FYM and sand. Proper perforation for water should be done on the bags adequately. • Drainage channels (trenching size: 30cm depth, 45 cm top width and 30 cm bottom width) after each 2 rows of plants along the slope should be prepared to remove excess water from the orchard in rainy season. |
| MANDARIN ORANGE         | • For effective management of gummosis of Nagpur mandarin gummosis-affected portion from where gum is oozing needs to be scraped out with sharp knife, taking care not to damage the wood. Cleaned portion pasting with Metalaxyl MZ* (50 g/l) or Fosetyl-Al* (50 g/l) at initiation of disease and second after 30 days from initiation of the disease. • For controlling citrus mealy bugs, the basin around the tree trunk should be earthed up. Wrap sticky band by smearing with mobile oil around the tree trunk and destruction of ant's nests should be done and spraying of Chlorpyrifos 20 EC @ 5ml/liters of water and apply in ant nests. For control of mealy bug Chlorpyrifos 20 EC @ 2ml/liters of water or dimethoate 2ml/litre of water should be done on the tree leaves and trunk.                                                                                                                                                                                                                                                                                                                                                                                          |
| MANDARIN ORANGE         | • In case a new orchard of citrus is to be established then dig the pits of size (75cm x 75cm x 75cm) at 6 x 6 meter spacing for Nagpur Santra (Nagpur mandarin), Mosambi (Sweet orange) and acid lime and the pits should be kept exposed to solar rays.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MANDARIN ORANGE         | • Mulching helps in maintaining soil moisture for long period. 2 per cent Kaolin spray to reduce the transpiration. Application of copper oxychloride 50 WP @ 25 gram per 10 litres of water for controlling fruit let blight infection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Horticulture(Varieties) | Horticulture Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| ACID LIME               | <ul style="list-style-type: none"> <li>In acid lime 1 to 4 year tree should be given 11 to 35 litres water per day per tree, 5 to 7 year tree be given 42 to 61 litres water per day per tree, 8 to 10 years tree be given 73 to 108 litres water per day per tree.</li> <li>In acid lime orchards, citrus canker heavily occurs due to rain and hailstorm. Pruning and destruction of infected twigs should be done. Foliar spray of 180 gram of copper oxychloride and 6 gram of Streptocycline in 60 litre of water may be applied.</li> </ul>                                                                                    |
| CABBAGE                 | <ul style="list-style-type: none"> <li>Considering the previous week cloudy weather, for management of aphids on Cabbage &amp; Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantranilprole 10.26 OD 12 ml per 10 liters of water.</li> <li>Considering the previous week cloudy weather, for management of Diamond Back Moth on Cabbage &amp; Cauliflower, Spraying should be done of Chlorpyrifos 20 EC 40 ml or Spinosad 2.5 SC 12 ml or Fenvalerate 20 EC 5 ml per 10 liters of water.</li> <li>Spraying operation should be done during the clear and calm weather.</li> </ul>                                                  |
| CHILLI                  | <ul style="list-style-type: none"> <li>Considering the increased temperature and cloudy weather in the chilli crop, for avoiding flower drop in chilli, apply Planofix 5 ml/9 litre of water, 50 to 70 days after planting.</li> <li>Due to present weather condition for control of sap sucking pest on Chilli crops, spray 5 % Neem ark or Imidacloprid 17.8 SL 5 ml per 10 lit. of water.</li> <li>In chilli, if thrips, fruit borer and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantranilprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition.</li> </ul> |
| TOMATO                  | <ul style="list-style-type: none"> <li>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.</li> </ul>                                                                                                                             |

#### Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| BUFFALO               | <ul style="list-style-type: none"> <li>Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body to cool off. Give them green grass, protein-fat bypass supplement, mineral mixture and salt. Make them graze during cooler hours.</li> </ul> |
| COW                   | <ul style="list-style-type: none"> <li>Dairy cows should be given 8 kg of dry fodder + 6 kg of green fodder and 1 kg of concentrate feed per day. Maize, sorghum, millet, wheat bran should be used while making the concentrate feed. The concentrate feed should be mixed with mineral mixture at the rate of 20 grams of per kg of concentrate feed.</li> </ul>                                                                                                                                                           |
| GOAT                  | <ul style="list-style-type: none"> <li>Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals. Keep the livestock under the shed to protect from heat and lightning.</li> </ul>                                                                                                                                                                                                                                                                       |

#### Poultry Specific Advisory:

| Poultry(Varieties) | Poultry Specific Advisory                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| BIRD               | <ul style="list-style-type: none"> <li>To get the protection against heat, provide curtains and proper ventilation in poultry house.</li> </ul> |

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

| Others (Soil / Land Preparation) (Varieties) | Others (Soil / Land Preparation) Specific Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| GENERAL ADVICE                               | <ul style="list-style-type: none"> <li>At the time of purchasing seed, farmers are advised to check the detail on tag/label such as, name of crop, crop kind, variety, physical and genetic purity percentage, germination and inert matter percentage, net weight, lot and batch number, date of testing and packing, maximum retail price, moisture percentage etc.</li> <li>Take the original bill from the seller and ensure that the signature on bill of both seller and seed purchasing farmers.</li> </ul> |

| <b>Others (Soil / Land Preparation) (Varieties)</b> | <b>Others (Soil / Land Preparation) Specific Advisory</b>                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL ADVICE                                      | • It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid up to 08:30 AM of the mentioned date.*Based on a research trial that was not included in the CIBRC label claim. # Under label claim. |

