



Agromet Advisory Bulletin

Date : 04-06-2024

Weather Forecast of PARSEONI Block in NAGPUR(Maharashtra) Issued On :2024-06-04(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2024-06-05 | 2024-06-06 | 2024-06-07 | 2024-06-08 | 2024-06-09 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall | 4.2 | 0.0 | 1.9 | 0.0 | 0.0 |
| Tmax(°C) | 39.5 | 40.2 | 39.5 | 41.5 | 42.4 |
| Tmin(°C) | 26.6 | 28.8 | 27.6 | 30.7 | 30.8 |
| RH-I(%) | 49 | 39 | 48 | 39 | 35 |
| RH-II(%) | 27 | 21 | 25 | 17 | 16 |
| Wind Speed(kmph) | 14 | 6 | 10 | 15 | 19 |
| Wind Direction(Degree) | 225 | 342 | 342 | 207 | 315 |
| Cloud Cover(Octa) | 5 | 3 | 6 | 5 | 6 |

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be partially to mostly cloudy during next five days i.e. 05th to 09th, June, 2024. • Very light to light/moderate rainfall likely to occur on 05th, 06th, 07th, 08th and 09th, June, 2024. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur on 05th, 06th and 07th, June, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur at isolated pockets on 08th and 09th, June, 2024. • No large change in maximum and minimum temperature over the Vidarbha during next 5 days.

General Advisory:

• 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. • 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. • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when gusty winds and thunder are predicted. Animals should be kept away from open water sources, rivers or lakes and away from tractors and other metal implements. Sufficient fodder and water should be arranged for the animals in the manger. • Farmers and farm labourers should take care of themselves and livestock keeping in mind the forecast of lightning. Sheltering under trees should be strictly avoided and also livestock should not shelter under trees. • Agricultural produce market committee and private agricultural produce purchase holders should store the agricultural produce brought by the farmers for purchase in the shed instead of in the open. • Marketable vegetables and fruits should be harvested and sold keeping in mind the forecast of gusty winds. Orchards should be supported with bamboo. • 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.

SMS Advisory:

• Farmers and farm labourers should take care of themselves and livestock keeping in mind the forecast of lightning. Sheltering under trees should be strictly avoided and also livestock should not she

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|--|
| COTTON | • Avoid pre-monsoon sowing of cotton crop. • 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 |

| Crop(Varieties) | Crop Specific Advisory |
|-----------------------------|--|
| | effective in checking the infection of soil borne diseases and nematodes in disease prone fields. |
| SOYABEAN | <ul style="list-style-type: none"> As per suitability, farmers are advised to run the sub-soiler machine once in five years, at an interval of 10 m which facilitates the breaking of hard soil pan thereby increasing the rainwater infiltration and helps in case of drought. Farmers are advised to apply deep summer ploughing once in 3 years. After this, the field should be prepared using criss-cross harrowing followed by planking. Apply well-decomposed FYM @ 5- 10 t/ha or Poultry Manure @ 2.5 t/ha before the last harrowing. Farmers are advised to follow Broad Bed Furrow (BBF) or Ridge & Furrow methods for sowing. Ensure availability of other critical inputs like fertilizers, weedicides, fungicides, and cultures for seed treatment etc. Ensure the seed quality (minimum 70% germination) by carrying out germination test of the available soybean seed. |
| GROUNDNUT | <ul style="list-style-type: none"> 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. |
| PIGEON PEA (RED GRAM/ARHAR) | <ul style="list-style-type: none"> 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). |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| MANDARIN ORANGE | <ul style="list-style-type: none"> 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. |
| CABBAGE | <ul style="list-style-type: none"> Carry out harvesting of market ready curd and head of cabbage and cauliflower respectively. Considering the prevailing cloudy weather, for management of aphids on Cabbage & Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantraniliprole 10.26 OD 12 ml per 10 liters of water. Considering the prevailing cloudy weather, for management of Diamond Back Moth on Cabbage & 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. Spraying operation should be done during the clear and calm weather. |
| TOMATO | <ul style="list-style-type: none"> Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits and support the plant with bamboo. In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition. |
| CHILLI | <ul style="list-style-type: none"> 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. 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. In chilli, if thrips, fruit borer and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|--|
| BUFFALO | • Offer clean and cold water (stored in earthen pot) to the animals. Those who have cultivated berseem, should be done top dressing of 10 kg N/ha after each cutting to encourage quick growth and high yield. Deworming of livestock should be done by seeking advice of Veterinary practitioner. |
| COW | • Dairy cows should be given 8 kg dry fodder and 6 kg green fodder and 1 kg feed. Maize, sorghum, millet, wheat bran should be used in mixing in preparation diet. Add 20 gms per kg of mineral mixture in the diet. |
| GOAT | • Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals. |

Poultry Specific Advisory:

| Poultry(Varieties) | Poultry Specific Advisory |
|--------------------|---|
| BIRD | • Provide curtains and proper ventilation in poultry house. |

Others (Soil / Land Preparation) Specific Advisory:

| Others (Soil / Land Preparation) (Varieties) | Others (Soil / Land Preparation) Specific Advisory |
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| SOIL TESTING | • It is advised to carry out deep ploughing after harvesting of rabbi crop field, which will help in warming the soil, help in eradication of insect pupae and harmful fungi, and improve soil tillage for sowing. Soil samples should be taken for soil testing and sent to authorised or government soil testing laboratory with appropriate charges. |
| GENERAL ADVICE | • 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. • Take the original bill from the seller and ensure that the signature on bill of both seller and seed purchasing farmers. |