



Agromet Advisory Bulletin

Date : 08-06-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-06-08(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-06-09	2021-06-10	2021-06-11	2021-06-12	2021-06-13
Rainfall	12.3	14.2	14.5	15.4	30.4
Tmax(°C)	39.1	38.7	37.6	36.8	36.4
Tmin(°C)	24.3	23.6	22.9	22.7	22.4
RH-I(%)	70	75	82	79	74
RH-II(%)	50	55	58	56	54
Wind Speed(kmph)	15.0	16.0	21.0	20.0	19.0
Wind Direction(Degree)	248	262	287	295	292
Cloud Cover(Octa)	5	6	7	7	7

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy to partially cloudy during next five days (09th, June to 13th June, 2021) and on 09th, 10th, 11th and 12th June, 2021 light to moderate rainfall at many places along with thunderstorm accompanied with lightning and gusty winds (speed reaching 30-40 kmph) very likely to occur at isolated places, on 13th, June light to moderate rainfall at most places along with thunderstorm accompanied with lightning and gusty winds (speed reaching 30-40 kmph) very likely to occur at isolated places is forecasted. As per Extended Range Forecast, during 11th June to 17th June, 2021 above normal rainfall in Nagpur district is forecasted.

General Advisory:

Farmers should not rush to sow. Avoid letting goats, sheep, and other animals graze in open spaces as there is a possibility of rain, gusty winds and lightning. Animals should be kept away from open water sources, rivers or lakes and tractors and metal. Vegetable and horticultural crops should be supported with bamboos depending on the stage of crop growth. Possible measures should be taken to prevent water retention in vegetables, orchards and other crops. Farmers should make available fungicides and bacterial fertilizers required for seed treatment.

SMS Advisory:

Farmers should not rush to sow.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	Farmers are advised to avoid pre monsoon sowing. 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.

Crop(Varieties)	Crop Specific Advisory
GREEN GRAM	PKV Moog-8802, PKV Greengold (AKM 9911) varieties of green gram should be select for cultivation of green gram crop, 12-15 kg seed per hectare, spacing between two rows is 30/45 cm and spacing between two plants is 10 cm. Seed treatment, fertilizers as well as bacterial culture should be used before sowing.
BLACK GRAM	For cultivation of Black gram crop, TAU-1, TAU-2, PKV udid-15 and PKV black gold varieties should be select, 12-15 kg seed per hectare, spacing between two rows 30/45 cm and spacing between two plants 10 cm. Seed treatment, fertilizers as well as bacterial culture should be used before sowing.
RICE	The previous crop should be plowed immediately after harvest. Apply 10 tons of farm yard manure or compost per hectare after field waste collection. Before sowing the seeds of green manure crop in the field, 2 to 3 cultivars should be given and after monsoon rains, 60 kg seed per hectare of Dhaincha or Sunhemp crop should be sown. Adequate improved seed varieties should be made available during kharif season. Salt water treatment: Add 300 gms of salt in 10 liters of water and pour the seeds in it. Once the solution is stable, remove the floating diseased seeds through a sieve and burn. The healthy seeds at the bottom should be washed 2-3 times with clean water and kept in the shade for 24 hours. Before sowing, seeds should be treated with Thirum 3 gm per kg of seed.
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).
SOYABEAN	For soybean crop, the soil pH ranging from 6.5 to 7.5, well drained medium heavy soil is suitable. In order to stabilize the yield of soybean crop, it is important to do deep (20 to 30 cm) plowing once in 2 to 3 years. After plowing, 2-3 harrowing should be given with the help of harrow/cultivator, level the land for sowing seeds. Apply 5 to 10 tons of well decomposed farm yard manure or 2.5 tons of well decomposed compost per hectare before last harrowing. One harrowing before sowing reduce the intensity of weeds.
GROUNDNUT	For kharif groundnut cultivation, medium, well drained, humus rich, sand mixed claysoil and organic matter rich soil should be select. For groundnut cultivation, soil layer of 15 to 20 cm should be humurous. Apply 5 tons of well decomposed manure before the last harrowing.
CITRUS	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.
CITRUS	As the rain forecasted during next five days, 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. To avoid water stagnation near the tree trunk, level the soil around tree trunk.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Deworming of livestock should be done by seeking advice of Veterinary practitioner. One week after Deworming, vaccinate the cattle and buffaloes against Foot, & mouth disease (FMD), Black quarter (BQ) and Haemorrhagic Septicaemia (HS). Keep the livestock under the shed to protect from heat.
GOAT	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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory

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LAND PREPARATION	For paddy crop nursery, plow the land, break up the lumps and make raise bed of 100 cm wide and 10 cm high. Apply 300 kg of well decomposed FYM, 1 kg of urea and 3 kg of single super phosphate to the soil per R area.
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.
LAND PREPARATION	For establishment of new orchard of citrus, 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.
LAND PREPARATION	The pits made for planting of citrus 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.
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GENERAL ADVICE	Farmers and farm labor are to follow precautions and safety measures to be taken to prevent the COVID-19 disease spread. Simple measures include social distancing, maintaining personal hygiene by washing of hands with soap, wearing of face mask, protective clothing and cleaning of implements and machinery. Workers to follow safety measures and social distancing at each and every step in the entire process of field operations. Precautions and safety measures of workers engaged in repair, maintenance and harvesting operation is to be ensured. In case of manual field operations of harvesting/ picking, accomplish the operation in 4-5 feet spaced strips assigning one strip to one person. This will ensure adequate spacing between the engaged labors.
LAND PREPARATION	Cultivation of land (Ploughing, harrowing) should be done parallel to counter line or horizontally along the main slope. Therefore, rain water seeps into the soil and helps to reduce soil erosion.
SOIL TESTING	Soil samples for soil testing should be taken and sent to the nearest Agriculture university, Krishi Vigyan Kendra or other government soil testing laboratory with appropriate soil testing charges.
GENERAL ADVICE	Farmers should take care of thunder and lightning in the sky: If you are working in the field, take shelter immediately near the field. After taking shelter in a safe place in the field, keep dry wood, plastic, gonapath, dry mulch under the feet. Sit with both feet together and both hands on your knees. Make sure that no part of your body touches the ground except your feet. Individuals working in ponds, such as places where there is moisture in the soil or water sources, should go to a safe and dry place immediately. If there are tall trees nearby, take shelter at a distance twice the height of that tree.
GENERAL ADVICE	Farmers should take care of thunder and lightning in the sky: A pucca house is the safest place to avoid lightning. Farmers should plant trees as low as possible around their houses and livestock sheds. Moist, swampy places and water sources (wells, lakes, rivers, farm ponds etc.) should be avoided as much as possible. If traveling in

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
	a four-wheeler, stop in the vehicle. Farmers should take care that they do not have any metal tools. When working in the field, do not let more people work together at the same time. Care should be taken to keep a distance of at least 15-20 feet between two persons. Do not use an umbrella with a metal rod. Stay away from other electric tools made by farmers as well as metal ones.