



Agromet Advisory Bulletin

Date : 15-06-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-06-15(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-06-16	2021-06-17	2021-06-18	2021-06-19	2021-06-20
Rainfall	14.7	12.6	18.1	26.6	34.8
Tmax(°C)	36.4	35.7	35.9	35.1	35.2
Tmin(°C)	23.8	23.3	22.8	22.0	21.5
RH-I(%)	79	75	80	77	82
RH-II(%)	59	53	60	57	60
Wind Speed(kmph)	13.0	14.0	16.0	15.0	15.0
Wind Direction(Degree)	253	271	278	282	280
Cloud Cover(Octa)	7	7	7	7	7

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be mostly during next five days (16th, June to 20th June, 2021) and on 16th June light to moderate rainfall at many places very likely and thunderstorm accompanied with lightning very likely to occur at isolated places, on 17th June light to moderate rainfall at many places very likely, on 18th June light to moderate rainfall at many places very likely and thunderstorm accompanied with lightning very likely to occur at isolated places, on 19th June light to moderate rainfall at most places very likely and thunderstorm accompanied with lightning and gusty winds (speed reaching 30-40 kmph) very likely to occur at isolated places, on 20th June light to moderate rainfall at most places and Heavy Rainfall, 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, up to 24th June, 2021 above normal rainfall in Nagpur district is forecasted.

General Advisory:

Possible measures should be taken to prevent water retention in vegetables, orchards and other crops. Farmers living near rivers or nallas should not cross river nallas while water is flowing, should do field work carefully and if possible, stay at home. (<https://maharain.maharashtra.gov.in/>) According to the website, Koradi (Kamathi), Nagardhan, Ramtek, Musewadi (Ramtek), Amadi, Parshivani, Kanhan (Parshivani), Khat, Dhanla, Kodamendi (Mauda), Yenwa, Metapanjra, Ridhora (Katol), Movad (Narkhed), Savner, Patansawangi (Savner), Mohpa (Kalmeshwar), Umred (Umred), Malewada, Bhivapur (Bhivapur), Rajoli (Kuhi) Circlesowable rain is not fall (80 to 100 mm).Sowing should be done only after 80 to 100 mm rainfall, adequate moisture in the soil and Wafsa condition. Sowing may carry out by farmers where sowable 80 to 100 mm of rainfall, ensure adequate moisture in the soil and after Wafsa conditions.

SMS Advisory:

Farmers are advice for seed treatment of fungicide and bio-fertilizer before sowing.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	Use short to medium duration sucking pests tolerant Bt /non bt varieties/ hybrids. Treat the cotton seed with Carboxin 37.5% + Thiram 37.5% DS 3 gm per kg seed before sowing. Also treat the seed with Azotobacter for nitrogen fixation and PSB @20-25 gm /kg seed for phosphate solubilization. Include the intercrops like green gram and Black gram in cotton in 1:1 row proportion. Use Pendimethalin 38.7 % CS @1.5 -1.75 ai/ha (20-25 ml per lit of water) as a pre-emergence weedicide for control of weeds in early stage of crop.
COTTON	Follow recommended spacing and fertilizer doses for arboretum cotton (60x15, 60x30cm, 40:20:20 Kg NPK/ha), Improved hirsutism (60x30cm, 60:30:30 Kg NPK/ha) and rainfed Bt hybrid cotton (90x45, 90x60, 60:30:30 Kg NPK/ha) and irrigated Bt Cotton (120x30, 120x60 cm, 120:60:60 Kg NPK/ha).
COTTON	Intercropping system viz., Cotton + Green gram (1:2) or Cotton + Black gram (1:1) or Cotton + soybean (1:1) or Cotton + Pigeon pea (6:1 or 8-10:2) should be adopted for sustainable production. Post emergence weedicide Pyriithioback Sodium @ 62.5 g a.i. /ha + Quizolfopethyl 50 g a.i. / ha should be sprayed as tank mix at 20-30 DAS (2-4 weed leaf stage).
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.
PIGEON PEA (RED GRAM/ARHAR)	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	The spacing between two rows and two plants should be 30 X 8 or 45 X 5 cm and sowing should be done horizontally and east to west direction. For sowing J.S.-335, J.S.-9305, M.A.U.S. -71, M.A.U.S. -158, M.A.U.S. -162, J.S.-20-29, J.S.-20-34, A.M.S.-1001(PDKV Yellow Gold), AMS-MB-5-18 are recommended variety should be used.
CITRUS	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.
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
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
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

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	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.
GENERAL ADVICE	Under rainfed condition feasible risk minimizing intercropping systems include cotton +greengram/blackgram (1:1), soybean + pigeonpea (4:2, 6:2, 5:1), pigeon pea + greengram / blackgram(2:4), sorghum + greengram/pigeonpea (3:3) and cotton + sorghum+ pigeonpea+sorghum (3:1:1:1),cotton+soybean+pigeonpea+soybean (3:2:2:2).
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 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.