



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
 Central Institute for Cotton Research,
 Nagpur



Agromet Advisory Bulletin

Date : 22-06-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-06-22(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-06-23	2021-06-24	2021-06-25	2021-06-26	2021-06-27
Rainfall	3.6	2.8	3.0	0.5	0.8
Tmax(°C)	36.0	35.6	33.4	35.8	35.9
Tmin(°C)	25.5	25.6	20.5	25.4	25.2
RH-I(%)	78	75	72	70	68
RH-II(%)	72	69	60	60	60
Wind Speed(kmph)	5.0	5.0	7.0	6.0	5.0
Wind Direction(Degree)	278	286	293	288	278
Cloud Cover(Octa)	6	7	7	6	6

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be partially to mostly during next five days (23rd June to 27th June, 2021) and on 23rd June, light rain at isolated places and thunderstorm accompanied with lightning very likely to occur at isolated places on 24th and 25th light rain at few places along and thunderstorm accompanied with lightning very likely to occur at isolated places, on 26th and 27th June very light rain at isolated places is forecasted. As per Extended Range Forecast, upto 24th June, 2021 below normal rainfall and 25th June 2021 to 01st July, 2021 above normal rainfall in Nagpur district is forecasted.

General Advisory:

In Nagpur district, in areas where there is no sowing rain and not enough moisture in the soil, farmers should postpone sowing in this area and sowing should be done only after 80 to 100 mm rainfall, adequate moisture in the soil and in Wafsa condition. Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler or drip irrigation system.

SMS Advisory:

Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler or drip irrigation system.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
SOYABEAN	Sowing of soybean should be done only after 80 to 100 mm rainfall, ensuring the adequate moisture in the soil and soil is in Wafsa condition. Postpone the sowing operation if sufficient soil moisture is not in soil. 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 (PKV Yellow Gold), AMS-MB-5-18 are recommended variety should be used. Treat the soybean seed with Carboxin 37.5% + Thiram 37.5% DS 3 gm per kg seed before sowing. In order to control yellow mosaic virus in soybean crop, seed treatment should be done as Thiamethoxam 30 FS 10 ml per kg seed or Imidacloprid 48 FS 1.25 ml per kg seed is recommended. Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler.
PIGEON PEA (RED GRAM/ARHAR)	Sowing of pigeon pea should be done only after 80 to 100 mm rainfall, ensuring the adequate moisture in the soil and soil is in Wafsa condition. Postpone the sowing operation if sufficient soil moisture is not in soil. 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). Treat the pigeon pea seed with Carboxin 37.5% + Thiram 37.5% DS 3 gm per kg seed before sowing. Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler or drip irrigation system.
GREEN GRAM	Sowing of green gram should be done only after 80 to 100 mm rainfall, ensuring the adequate moisture in the soil and soil is in Wafsa condition. Postpone the sowing operation if sufficient soil moisture is not in soil. 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. Apply 20 kg N and 40 kg P per hectare at the time of sowing. Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler irrigation system.
BLACK GRAM	Sowing of black gram should be done only after 80 to 100 mm rainfall, ensuring the adequate moisture in the soil and soil is in Wafsa condition. Postpone the sowing operation if sufficient soil moisture is not in soil. 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. Apply 20 kg N and 40 kg P per hectare at the time of sowing. Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler irrigation system.
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.
COTTON	Sowing of cotton should be done only after 80 to 100 mm rainfall, ensuring the adequate moisture in the soil and soil is in Wafsa condition. Postpone the sowing operation if sufficient soil moisture is not in soil. Treat the cotton seed with (Carboxin 37.5% + Thiram 37.5% DS) @3.5 g or Fluxapyroxad (333 g/L FS) @1.5 ml or Tetraconazole 11.6% W/W (12.5% w/v) SL @1.5 ml per kg of seeds or Trichoderma powder (biofungicide) should be done at the rate of 10 g per kg of seeds before sowing for the management of seed borne diseases. Also treat the seed with Azotobacter for nitrogen fixation and PSB @20-25 gm /kg seed for phosphate solubilization.
COTTON	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. Protective irrigation should be given in area where sowing had already done by considering the local soil moisture availability and crop need with availability of sprinkler or drip irrigation system.

Crop(Varieties)	Crop Specific Advisory
CITRUS	If citrus canker disease is noticed, affected leaves, branches should be pruned and burnt. Spray copper oxychloride 180 gm with Streptocycline 6 gm in 60 litres of water. Repeat the spray 3-4 times at an interval of 30 days. To check fruit drop of Ambia bahar spray the santra trees with 1.5 gms 2, 4-D or gibberellic acid (GA). 100 gms carbendazim 50 wp with 1 kg urea in 100 litres of water. Repeat the spray after 15 days if the fruit drop continues.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Vaccinate thegoat 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
PLANT PROTECTION	Read the label carefully when buying and spraying herbicides. Do not spray herbicides in cloudy and rainy weather. Pre-sowing herbicide apply, when there is no wind and sufficient moisture in the soil, before germination of the seed. Use clean water for spraying and avoid spraying after germination in hot sun.
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.