



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin
Central Institute for Cotton Research,
Nagpur



Agromet Advisory Bulletin

Date : 16-02-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-02-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-02-17	2021-02-18	2021-02-19	2021-02-20	2021-02-21
Rainfall	3.0	4.0	2.0	0.0	0.0
Tmax(°C)	33.8	33.8	33.9	33.5	33.6
Tmin(°C)	17.1	17.2	17.3	17.5	17.5
RH-I(%)	79	80	75	68	61
RH-II(%)	48	50	47	40	39
Wind Speed(kmph)	6.0	6.0	6.0	6.0	6.0
Wind Direction(Degree)	198	108	161	68	109
Cloud cover(octa)	4	5	3	1	0

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be clear to partially cloudy during 17th February to 21st February and as well as light to moderate rainfall at few places on 16th February, many places on 17th February, along with thunderstorm accompanied with lightning and hails at isolated places as well as light to moderate rainfall on 18th February is forecasted.

General Advisory:

Due to the possibility of rains and hail, mature gram, wheat, linseed, jowar, maize, safflower, arhar and other crops should be harvested and threshed immediately and stored in a safe place. If cotton crop remains to be picked, it should be picked as soon as possible and stored in a safe place. Irrigation should be postponed to late sown rabi season crop if not required. Thunderstorms and lightning are likely to be forecasted, if you hear thunderstorms while working in the fields take shelter in a safe place immediately.

SMS Advisory:

Thunderstorms and lightning are likely to be forecasted, if you hear thunderstorms while working in the fields take shelter in a safe place immediately.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	Groundnut: Gap filling should be done up to 10 days after emergence. If weed management should be done with herbicide, spraying should be done at 25 to 30 days after sowing after germination with Quizalofop Ethyl 5 % EC 100 gm active ingredient or Imazethypr 10% SL 100 gm active ingredient mixed in 600 liters of water per hectare.
COTTON	As a possibility of rain store the picked cotton at safe place. Collect and destroy disease and pest affected boll after last picking of cotton followed by deep ploughing should be done.
BENGAL GRAM/ CHICK PEA	Chickpea: Due to cloudy weather condition, In case of gram pod borer crosses ETL (two larva per meter row length or 5 % pod damage), spraying should be taken of Quinalphos 25% EC in 20 ml or Emamectin benzoate 5% SG 3gm or Chlorantraniliprole 18.5 SC 2.5 ml per 10 liters of water. For management of wilt in chickpea, soil application should be done of 2.5 Kg Trichoderma viride 1% WP mixed with 150 kg of FYM or compost/ha.
BENGAL GRAM/ CHICK PEA	Due to the possibility of rains, mature gram crop should be harvested immediately and stored in a safe place.

Crop(Varieties)	Crop Specific Advisory
SESAME (GINGELLY/TIL)	If sesame is to be sown in summer season, sowing should be done by 15th February. Use 3 to 4 kg seed per hectare for sowing. Seed treatment should be done at the rate of 3 g / kg seed of any of the fungicides Thirum, Carbendazim and Brasicol and 4 gm Trichoderma viride 4 gm per kg of seed before sowing to prevent the spread of fungal disease from seed and soil.
SESAME (GINGELLY/TIL)	Sesame seeds should be sown at a distance of 45 x 10 cm or 30 x 10 cm. Sesame should not be sown at a depth of more than 2.5 cm. At the time of sowing sesame apply half nitrogen at the rate of 12.5 kg / ha and full phosphorus at the rate of 25 kg / ha.
RICE	For getting higher paddy yield and effective management of stem borer application Carbofuran 3 % CG @ 25 kg/ha (Carbofuran 3 % CG @ 250 gm for 100 m ² nursery), 5 days before pulling seedling from nursery for transplanting. Transplanting of Summer paddy crop should be shallow and planting spacing should be reduced to increase the rate of tillering. For control of grassy and broad leaf weeds in paddy crop apply pre-emergence herbicide Pretilachlor 50% EC @ 20 ml per 10 liters of water after 3 to 7 days of transplanting.
RICE	Paddy: Agriculture is profitable if the soil is tested and proper amount of chemical fertilizers are used. Generally, apply 100 kg Nitrogen, 50 kg Phosphorus and 50 kg Potash per hectare for Summer Paddy. Apply whole phosphorus and potash and half the amount of nitrogen in the mud (Puddled field) and the remaining half nitrogen in two equal installments (usually tillering stage which comes at 30 days and panicle initiation stage which comes about 60 days).
WHEAT	Wheat: According to soil moisture status and crop needs, wheat crop should be irrigated at flowering stage (65-70 days after sowing), flowering stage (65 to 70 days after sowing), milking stage (80 to 85 days after sowing) and grain filling stage (90 to 105 days after sowing).
WHEAT	Wheat: If the incidence of pink stem borer is observed in wheat field, foliar spray of quinalphos 25 EC @ 800 ml /acre as soon as pink stem borer is seen. Irrigation also helps in reducing the pink stem borer damage. In case of infestation of aphids in wheat crop is notice due cloudy weather, spray with Thimethoxam 25% WG @ 10 to 15 gm or Quinalphos 25 % EC 40 ml per 10 liters of water for management. In case of infestation of rust and leaf blight disease is notice spraying should be done of Mancozeb 75 % WP @ 20 to 25 gm per 10 liters of water.
PIGEON PEA (RED GRAM/ARHAR)	Arhar: Carry out harvesting, threshing and safe storage of matured Arhar crop. Protect the harvested Arhar crop with tarpaulins.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
LINSEED	Linseed: If the gall midge crosses economic threshold limit (8.77 gall midge) spraying should be done of Imidacloprid 17.8 SL 2.5 ml or Dimethoate 30% solution in 10 ml per 10 liters of water.
ORANGE	Orange: Foliar application of gibberellic acid 1.5 gm + urea 1 kg may be given to Ambia bahar during fruit set after mixing it in 100 litres water. (Dissolve gibberellic acid in 10 ml alcohol before mixing in water).
ORANGE	Orange: For management of Phytophthora diseases, scrap out gum oozing portion by sharp knife, wash with potassium permanganate solution (10 gms in one litre water) from the infected tree trunk and apply Mefenoxam M Z - 68 (Metalaxyl M 4% + Mancozeb 64 % wp) or fosetyl-Al paste.
MANGO	Due to continuous cloudy weather, at flowering stage of mango tree In case of symptoms of powdery mildew disease shows on trees spraying should be done of water soluble sulfur 80 % WP 30 gm or Tetraconazole 3.8 % EW w/w 12.5 ml or Hexaconazole 5% EC 10 ml mix with per 10 liters of water.
WATER MELON	Watermelon: Sugar Baby, Asahi Yamato, Arka Jyoti, Arka Manik should be selected for watermelon cultivation in summer season. For straight varieties apply 40 kg N, 40 kg P and 40 kg K at the time of planting. Apply 40 kg N 30 days after planting.
MUSKMELON	Muskmelon: Hara Madhu, Pusa Sharbati, Punjab Sunhari, Arka Rajhans, Arka Jeet, Pusa Madhuras should be cultivated for muskmelon crop in summer season. Apply 40 kg N, 40 kg P and 40 kg K at the time of planting. Apply 40 kg N 30 days after planting.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Avoid letting goats, sheep, and other animals graze in open spaces as there is a possibility of rain, hail and lightning.
COW	For availability of green fodder to animals, African tall of maize crop and Pusa chaari and SSG-898 variety of fodder sorghum should be cultivated.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	The mature crop should be harvested and stored in a safe place and covered with tarpaulin. Collect and destroy disease and pest affected boll after last picking of cotton followed by deep ploughing should be done. Considering the availability of irrigation and market demand in summer season, leafy vegetables, okra, guar, chawli, cucumber, Bottle Gourd, pumpkin, ridge gourd, bitter gourd, round gourd, watermelon, muskmelon, spinach, radish, fenugreek and coriander should be cultivated.
GENERAL ADVICE	Oranges, sweet citrus, lemons as well as other fruit orchards crop and vegetables crop should be protected from water retention and possible measures should be taken to drain the water. Vegetable and other vine stem crops should be supported with bamboos depending on the stage of crop growth. Animals should be kept away from open water sources, rivers or lakes and tractors and other metal implements.
GENERAL ADVICE	Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.