



Gramin Krishi Mausam Sewa

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



Agromet Advisory Bulletin

Date : 27-07-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-07-27(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-07-28	2021-07-29	2021-07-30	2021-07-31	2021-08-01
Rainfall	11.5	9.4	15.8	21.7	42.7
Tmax(°C)	31.7	31.3	30.7	30.0	29.6
Tmin(°C)	25.0	25.5	24.6	24.3	23.6
RH-I(%)	84	85	86	91	92
RH-II(%)	76	78	80	84	85
Wind Speed(kmph)	23.0	24.0	24.0	24.0	25.0
Wind Direction(Degree)	252	248	249	248	248
Cloud cover(octa)	7	7	7	7	7

Weather Summary/Alert:

In Nagpur district, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be mostly cloudy during next five days (28th July, 2021 to 01st, August, 2021) and during 28th, 29th, 30th and 31st July, light to moderate rainfall very likely to occur at many places and on 01st August light to moderate rainfall very likely to occur at most places along with heavy rainfall very likely to occur at isolated places is forecasted. As per Extended Range Forecast, during 30th July to 05th August below normal in Nagpur district is forecasted.

General Advisory:

Considering the rainfall forecast spraying of agrochemicals and application of fertilizers in standing crop and intercultural operations should be done within next 2-3 days according to local clear weather condition, if not possible carry out these operations after current spell of rain. Farmers should take care to avoid water stagnation in vegetables, orchards and other crops. Farmers are advised to monitor the crop regularly for insect incidence, disease occurrence and use the suitable recommended control measures thereof in the initial stage itself.

SMS Advisory:

Farmers should take care to avoid water stagnation in vegetables, orchards and other crops.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	Considering the rainfall forecast, care should be taken not to retain water in the cotton crop. Spraying should be done after spell of rainfall and arrival of Wafsa condition in soil and on clear day. Install yellow sticky traps 8/acre for whitefly and Jassid, blue sticky traps 8/acre for thrips, spray NKE 5% or neem based insecticides @ 5ml/l of water. Due previous week rain, increased humidity and cloudy weather if incidence of sucking pests (Aphids, Jassid, White fly and Thrips) is noticed and if crossing ETL, spray Buprofezin 25 SC 20ml/10lit of water or Flonicamid 50 WG 4gm/10 lit of water for management of sucking pests.

Crop(Varieties)	Crop Specific Advisory
COTTON	Drenching of Carbendazim 50 WP@ 20g per 10 lit of water or Trichoderma harzianum or T. viridae @10 g/ litre of water should be done for management of wilt and root rot affected crop. Broadcast Trichoderma harzianum or Trichoderma viride powder 1 kg mix with in 25 kg well decomposed FYM or compost near crop row.
SOYABEAN	Considering the rainfall forecast, care should be taken not to retain water in the soybean crop. Farmers are also advised to install ' T ' shaped bird perches at different locations which facilitate seating arrangement for predatory bird who feed on caterpillars. In timely sown soybean crop undertake inter culture operation (weeding/hoeing) during clear weather and arrival of Wafsa condition to improve the aeration in soil and crop and management of weeds. In case of organic soybean production, farmers are advised to use Bacillus thuringiensis or Bueveria basiana @ 1 l/ha for control of defoliators (semilopper, tobacco caterpillar). Install 20 to 25 yellow sticky trap for monitoring of the white fly adult moth.
SOYABEAN	Due previous week rain, increased humidity and cloudy weather, In case of infestation of stem fly infestation is noticed after crossing the ETL level for management of this pest spraying should be done of Thiamethoxam 12.6 % + Lambda Cyhalothrin 9.5% ZC 2.5 ml or Ethion 50 % EC 15 ml or Chlorantraniliprole 18.5 % SC 2 ml mix with in per 10 liters of water and application should be done after arrival of Wafsa condition and spell of rain during clear weather condition.
GREEN GRAM	Farmers are advised to keep green gram crop in weed free state, as the leaf crinkle disease spread through weeds. Avoid excessive use of nitrogenous fertilizers which may leads to vegetative growth of the plants & increases pest incidence. Intercultural operations should be done in green gram crop by judging forecasted rainfall.
BLACK GRAM	If incidence of aphids, jassids observed in black gram crop, take a spray of 5 % Neem Ark or Dimethioate 30 EC @ 10 ml/ 10 L. of water is advisable. Spraying should be done when sky remains clear. Install 6 to 7 yellow sticky traps in the crop field to manage infestation of white flies. Intercultural operations should be done in black gram crop by judging forecasted rainfall.
PIGEON PEA (RED GRAM/ARHAR)	Considering the rainfall forecast, care should be taken not to retain water in the pigeon pea crop. In timely sown pigeon pea crop undertake inter culture operation (weeding/hoeing) during clear weather and arrival of Wafsa condition to improve the aeration in soil and crop and management of weeds.
CITRUS	Avoid water stagnation near the tree trunk. If need drain out excess rain water from the orchard through the drainage channels prepared earlier. Remove water shoots from the plant and all shoots below the bud union of the graft. To check fruit drop of Ambia bahar spray the citrus tree with 1.5g 2, 4-D or gibberellic acid with 100 gm carbendazim and 1 kg urea mixed in 100 litres of water. Repeat the spray after 15 days if the fruit drop continues. For Ambia bahar crop, muriate of potash 180 g per tree should be applied uniformly by leaving about 3 feet distance around the grown-up tree. The applied fertilizer should be thoroughly mixed in the soil. The mentioned spraying and application of fertilizers should be done after the current spell of rain and arrival of Wafsa condition.
RICE	Transplanting should be done after 21 to 25 days of age of seedlings. For this, two days before removing the seedlings, increase the water level in the nursery a little. This helps in removing the seedlings without breaking the roots. After transplanting of paddy seedlings, maintain water level up to one inch for better establishment of roots. Agriculture is profitable if the soil is tested and proper quantity of chemical fertilizers are used. Generally, apply 100 kg Nitrogen, 50 kg Phosphorus and 50 kg Potash per hectare. 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).

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Prevent the animal's exposure to direct rainfall for longer period. The floor of the animal shed should be kept dry and clean. The feed and fodder should be stored

Live Stock(Varieties)	Live Stock Specific Advisory
	properly to prevent the growth of moulds. Maintain the surrounding of animal shed clean and hygienic and remove the unwanted vegetation nearby the sheds. Protect young animals from excessive consumption of newly grown green vegetation.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Kharif vegetables like chilli, tomato, brinjal, cauliflower should be transplanted at 4 to 6 weeks of age of seedlings after arrival Wafsa. Care should be taken that therainwater should not stagnate in transplanted vegetables seedlings field. Arrangements should be made to drain excess water from the vegetable crop. Soil drenching should be given to nursery seedlings planted on flatbedwith the recommended fungicide.
GENERAL ADVICE	It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid from 08:30 AM on the previous day to 08:30 AM on the said date.