



Gramin Krishi Mausam Sewa

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



Agromet Advisory Bulletin

Date : 13-08-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-08-13(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-08-14	2021-08-15	2021-08-16	2021-08-17	2021-08-18
Rainfall	1.0	1.1	1.2	4.5	12.4
Tmax(°C)	34.3	34.0	33.6	33.3	32.6
Tmin(°C)	24.0	23.6	24.3	24.5	21.8
RH-I(%)	78	75	73	78	87
RH-II(%)	72	70	68	72	72
Wind Speed(kmph)	8.0	9.0	7.0	7.0	9.0
Wind Direction(Degree)	293	293	297	315	294
Cloud cover(octa)	7	6	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 partially cloudy during next five days (14th, August to 18th, August, 2021) and very light/light to moderate rainfall very likely to occur at isolated places on 14th, 15th and 16th, August, 2021 and very light/light to moderate rainfall very likely to occur at many places on 17th and 18th August is forecasted. As per Extended Range Forecast, during 18th August to 24th August, 2021 above normal rainfall and normal maximum and minimum temperature in Vidarbha Sub Division is forecasted.

General Advisory:

Spraying of agrochemicals and application of fertilizers in standing crop and intercultural operations should be done before the 16th, August 2021 according to local clear weather condition. Considering the less soil moisture availability and crop need light protected irrigation should be given to the crop with sprinkler/drip irrigation. Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc. Use protection kit while doing spraying operations.

SMS Advisory:

Farmers are advised to monitor the crop regularly for insect incidence, disease occurrence and use the suitable recommended control measures thereof. Use protection kit while doing spraying operations.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	Drenching of Carbendazim 50 WP @ 20g per + 100gram Urea 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. Where Wafsa condition is arrived, apply first split of 40 Kg N (90 Kg Urea per ha.) for irrigated hybrid cotton and 30 Kg N (65 Kg urea per ha.) for rainfed hybrid/hirsutum cotton as a topdressing dose of chemical fertilizer.

Crop(Varieties)	Crop Specific Advisory
COTTON	In cotton, 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 to 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. It is also advised to observe 20 plants of cotton for pest incidence. Install pheromone traps to monitor PBW @ 2 per acre. When 8 male moths are caught in trap per day or 10 per cent rosette flower observed, spraying should be done in clear weather condition of Profenofos 50 EC @30 ml in 10 lit of water.
SOYABEAN	Due to cloudy weather, In case of infestation of girdle beetle alone infestation is noticed in soybean and crossing the ETL level for management of this pest farmers are advised for destruction of affected plant part as well as spraying in clear weather condition of Thiacloprid 21.7 % SC (750 ml/ha) or Beta-cyfluthrin 8.49 % + Imidacloprid 19.81 % OD (350 ml/ha) or Thiamethoxam 12.6 % + Lambda Cyhalothrin 9.50 % ZC (125 ml/ha) or Profenophos 50 % EC (1.25 l/ha) or Emamectin Benzoate 1.90 % EC (425 ml/ha) using 500 liter of water.
SOYABEAN	Farmers are also advised to install ' T ' shaped bird perches at different locations which facilitate seating arrangement for predatory bird who feed on caterpillars. Due to cloudy weather, In case of infestation of girdle beetle as well as defoliators (Green semilooper, Tobacco leaf eating caterpillar and Pod borer) simultaneously infestation is noticed in soybean and crossing the ETL level for management of this pest farmers are advised for spraying in clear weather condition of pre-mix insecticide Novaluron 5.25 % + Indoxacarb 4.50 % SC @ 850 ml/ha or Thiamethoxam 12.6 % + Lambda Cyhalothrin 9.50 % ZC (125 ml/ha) or Beta-cyfluthrin 8.49 % + Imidacloprid 19.81 % OD (350 ml/ha) in 500 litre water.
SOYABEAN	If initial infestation of Anthracnose and Rhizoctonia Aerial Blight is noticed in soybean, farmers are advised to spray in the crop clear weather condition with Tebuconazole 25.9 % EC (625 ml/ha) or Tebuconazole 10 % + Sulphur 65 % WG (1 kg/ha) or Pyrethrin 20 WG (500 g/ha) or Pyrethrin 133 g/L + Epoxiconazole 50 g/L SE (750ml/ha) or Fluxapyroxad 167 g/L + Pyrethrin 333 g/L SC (300 ml/ha) or Tebuconazole 50 % + Trifloxystrobin 25 % WG (350 ml/ha).
SOYABEAN	Due to cloudy weather, in case of infestation of Yellow Mosaic Virus and Soybean Mosaic Virus disease is noticed in soybean farmers are advised to destroy the affected plants and install Yellow Sticky Traps at different locations in the field as well as spraying in clear weather condition with pre-mixed insecticides like Thiamethoxam 12.6 % + Lambda Cyhalothrin 9.50 % ZC (125 ml/ha) or Beta-cyfluthrin 8.49 % + Imidacloprid 19.81 % OD (350 ml/ha) using 500 liter of water. These chemicals are also useful for control of stem fly infestation.
GREEN GRAM	The field should be kept free from weeds for management of leaf crinkle viral disease on green gram. Remove Ishwari and Koti Chawli weeds as early possible. Avoid giving excessive nitrogenous fertilisers to the crop. This leads to luxuriant vegetative growth of the crop and increases the incidence of sucking pests. To prevent the infestation of white fly, install yellow sticky traps (size 15 X 30 cm) at the rate of 16 ha / ha at a height of one foot higher than the height of the crop. Spraying should be done when sky is clear. Use Fipronil 5 % SC 20 ml or Flonicamid 50 WG 3 g or Imidacloprid 17.8 SL 2.5 ml or Thiamethoxam 25 % WG 4 gm per 10 liter of water at the appearance of leaf crinkle virus disease or if aphids, white fly, thrips cross the ETL. Recommended dose is for knapsack pump. Use three times dose for power sprayers (Adhoc recommendation of The Head, Department of Entomology, Dr. PDKV, Akola)
BLACK GRAM	In black gram crop, if incidence of pod borer is noticed and crossing the ETL spraying should be done of Lufenuron 5.4% EC 12 ml or Flubendiamide 39.35% SC 2 ml or Chlorantraniliprole 18.5 SC 2 ml per 10 liters of water, if incidence of pod borer and Maruca spp is noticed and crossing the ETL spraying should be done of Thiodicarb 75% WP 15 gm per 10 liters of water for management, if incidence of pod borer complex (Etiella zinckenella, Spodoptera litura and Maruca vitrata) is noticed and crossing the ETL spraying should be done of Novaluron 5.25% + Indoxacarb 4.5% SC 17.5 ml for management, in case of infestation of tobacco leaf eating caterpillar (Spodoptera litura and Maruca vitrata) is noticed and crossing the ETL spraying should be done of Flubendiamide 20 WG 6 gm per 10 liters of water for management, in case of infestation of Bihar hairy caterpillar is noticed and crossing the ETL spraying should be done of Quinalphos 25 % EC 30 ml in 10 litres of water. Use 500 liters of water per hectare for spraying. Spraying operations should be done clear in

Crop(Varieties)	Crop Specific Advisory
	weather condition.
BLACK GRAM	The field should be kept free from weeds for management of leaf crinkle viral disease on black gram. Remove Ishwari and Koti Chawli weeds as early possible. Avoid giving excessive nitrogenous fertilisers to the crop. This leads to luxuriant vegetative growth of the crop and increases the incidence of sucking pests. To prevent the infestation of white fly, install yellow sticky traps (size 15 X 30 cm) at the rate of 16 ha / ha at a height of one foot higher than the height of the crop. Spraying should be done when sky is clear. Use Fipronil 5 % SC 20 ml or Flonicamid 50 WG 3 g or Imidacloprid 17.8 SL 2.5 ml or Thiamethoxam 25 % WG 4 gm per 10 liter of water at the appearance of leaf crinkle virus disease or if aphids, white fly, thrips cross the ETL. Recommended dose is for knapsack pump. Use three times dose for power sprayers.
CITRUS	For management of citrus canker disease, prune all canker affected branches and leaves in acid lime and burn them. Spray copper oxychloride 180 g with Streptocycline 6 g in 60 litre water to check citrus canker. Repeat the spray after 30 days interval. During this month there is likelihood of attack of phytophthora fungus on the fruit causing brown rot of maturing ambia fruits. To control these two sprays of Metalaxyl-M 4 % + Mancozeb 64 % WP 2.5 gm + Carbendazim 1 g per litre of water may be sprayed at 30 days interval. 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.The mentioned spraying and application of fertilizers should be done after thecurrent spell of rain and arrival of Wafsa condition.
CITRUS	Remove water shoots from the plant and all shoots below the bud union of the graft. Keep the orchards weed free. Apply 108g Urea or 250 gms Ammonium sulphate, 157g single superphosphate and in addition along with fertilizer apply 25g Zinc sulphate, 25g Ferrous sulphate and 25 g Manganese sulphate for one year old tree. Apply twice the quantity for two year tree, three times for three year tree and four times for four years and above trees. Fertilizer should be applied to the tree in moist soil condition. Adequate FYM should be applied in soil.
RICE	If Stem borer and Gall midge crossing ETL, Apply Carbofuran 3% G or Fipronil 0.3 % G @ 25 kg per hectare by maintaining water level 7 to 10 cm. Do not remove water from paddy bunds for 4 to 5 days. These pesticides should be used again after 30 days as required.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ACID LIME	Prune all canker affected branches and leaves in acid lime and burn them. Spray copper oxychloride 180 g with Streptocycline 6 g in 60 litre water to check citrus canker in acid lime. Repeat the spray after 30 days interval.
BRINJAL	In the view of cloudy weather, if the incidence of aphids, thrips, whitefly and spider mites on brinjal crop, spraying should be taken 2 weeks after planting with Dimethoate 30% EC 10 ml or Quinalphos 25% EC 20 ml or thiometon 25% EC 10 ml per 10 liters of water.
TOMATO	In the view of cloudy weather, if tomato leaf blight was noticed, spraying should be taken of Mancozeb 75 WP 25 gms or Copper oxychloride 50 WP 25 gms mix with in 10 liters of water. For control of thrips and white fly on tomato crop, spraying should be taken of Thimethoxam 25% WG 4 gm or Dimethoate 30% EC in 10 ml per 10 liters of water.

Live Stock Specific Advisory:

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

Others (Soil / Land Preparation) Specific Advisory:

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