



Agromet Advisory Bulletin

Date : 09-12-2022

Weather Forecast of **RAMTEK** Block in **NAGPUR**(Maharashtra) Issued On :2022-12-09(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-12-10	2022-12-11	2022-12-12	2022-12-13	2022-12-14
Rainfall	0.0	2.1	6.4	5.4	0.0
Tmax(°C)	27.0	27.2	26.7	27.1	27.4
Tmin(°C)	9.2	10.1	10.8	11.3	11.7
RH-I(%)	65	62	59	60	63
RH-II(%)	44	42	40	42	43
Wind Speed(kmph)	4.0	4.0	4.0	4.0	3.0
Wind Direction(Degree)	33	51	44	43	35
Cloud Cover(Octa)	5	6	7	6	7

Weather Summary/Alert:

• In Ramtek block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially during next five days i.e. 10th to 14th, December, 2022. • Very light to light rainfall very likely to occur on 11th, 12th and 13th, December, 2022. • Validity of forecast- till 08:30 AM of mentioned dates.

General Advisory:

• Considering the rainfall forecast, it is advice that in areas where the cotton crop is ready for picking gives priority for clean picking of cotton. Keep the picked cotton, variety wise. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint. • It is advised to thresh the harvested produced where the it is ready for threshing. It is advised to cover the harvested produced with plastic sheet to avoid from rain. In area where the cutted paddy stalk were spread over field it is advised to collect at one place and cover the plastic sheet to avoid from the rain.

SMS Advisory:

• Considering the rainfall forecast, It is advised to picked the matured cotton wherever it is ready and covered the harvested produced of paddy to avoid the contact with rain.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
BENGAL GRAM/ CHICK PEA	• At Wafsa condition hoeing and weeding must be carried out twice; first at 20 and second at 30 days old plants to ensure weed free environment during the critical period of crop weed competition for better water and nutrient use efficiency.

Crop(Varieties)	Crop Specific Advisory
WHEAT	<ul style="list-style-type: none"> Wheat crop should be irrigated first at 18 to 20 days after sowing at crown root initiation stage. Water stress at CRI stage reduces production by up to 33 %. For late sowing of irrigated wheat 150 kg seed per hectare should be used for sowing. For coarse seed varieties like HD 2189 or Purna of wheat crop, 125 kg seed per hectare should be used. Apply 80 kg N, 40 kg P and 40 kg K per hectare for late sowing wheat. For both irrigated and late sowing, apply half dose of nitrogen as well as full phosphorus and potash at the time of sowing and the remaining half dose at the time of first irrigation (18 to 20 days after sowing). Considering the availability of limited irrigation for wheat crop, irrigate 42 days after sowing if single irrigation is available, irrigate at 21 and 65 days after sowing if two irrigation is available, and if three irrigation available irrigate at 21, 42 and 65 days after sowing. For late sowing of irrigated wheat 150 kg seed per hectare should be used for sowing. For coarse seed varieties like HD 2189 or Purna of wheat crop, 125 kg seed per hectare should be used. Apply 80 kg N, 40 kg P and 40 kg K per hectare for late sowing wheat. For both irrigated and late sowing, apply half dose of nitrogen as well as full phosphorus and potash at the time of sowing and the remaining half dose at the time of first irrigation (18 to 20 days after sowing).
PIGEON PEA (RED GRAM/ARHAR)	<ul style="list-style-type: none"> As a precautionary measure in the context of cloudy weather for management of pest, spray 5 % neem extracts Azadiractin 300 ppm 50 ml in 10 liters of water as soon as buds and flowers appear on the Arhar crop. Install pheromone traps at a distance of 50 m @ 5 / ha for monitoring of Helicoverpa. If the incidence of pod borer is noticed on pigeon pea crop and crossing economic threshold level, spraying should be done of any of recommended insecticide viz., Chlorantraniliprole 18.50 % SC @ 150 ml in 500 to 750 litres of water per hectare or Emamectin benzoate 05 % SG @ 220 gram in 500 to 750 litres of water per hectare or Ethion 50 % EC @ 1000-1500 ml in 500-1000 litres of water per hectare or Flubendiamide 20 % WG @ 250 gram in 500 litres of water per hectare or Flubendiamide 39.35 % m/m SC @ 100 ml in 500 litres of water per hectare or Lambda-cyhalothrin 05 % EC @ 400-500 ml/ha in 400-600 litres of water per hectare or Quinalphos 25 % EC @ 1400 ml/ha in 500-1000 litres of water per hectare or Chlorantraniliprole 09.30 % + Lambda-cyhalothrin 04.60 % ZC 200 ml/ha in 500 litres of water per hectare.
MUSTARD	<ul style="list-style-type: none"> It is advice to carry out 2 hand weeding after 20 and 40 days after sowing respectively and 2 hoeing as per need at Wafsa condition.
COTTON	<ul style="list-style-type: none"> It is advice that in areas where the cotton crop is ready for picking gives priority for clean picking of cotton. Keep the picked cotton, variety wise. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint.
RICE	<ul style="list-style-type: none"> It is advised to thresh the harvested produced where the it is ready for threshing. It is advised to cover the harvested produced with plastic sheet to avoid from rain. In area where the cutted paddy stalk were spread over field it is advised to collect at one place and cover the plastic sheet to avoid from the rain.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
LINSEED	<ul style="list-style-type: none"> At Wafsa condition, carry out first hoeing after 25 days after sowing. Hand weeding should be done keep in the of weed intensity.
TOMATO	<ul style="list-style-type: none"> If the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-Al (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb. 64% (2.0 g/l) during clear weather condition.
BRINJAL	<ul style="list-style-type: none"> If the incidence of fruit and shoot borer is noticed on brinjal crop, spraying should be done of any of following insecticides on crossing ETL, Carbosulfan 25 % EC 1250 ml per hectare or Deltamethrin 02.80 % EC 400 to 500 ml per hectare or Emamectin benzoate 05 % SG 200 gram per hectare or Lambda-cyhalothrin 04.90 % CS 300 ml per hectare or Spinosad 45 % SC 162 to 187 ml per hectare or Thiacloprid 21.70 % SC 750 ml per hectare or Chlorantraniliprole 09.30 % + Lambda-cyhalothrin 04.60 % ZC 200 ml per hectare mix with in 500 litres of water per hectare.

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	<ul style="list-style-type: none"> • Due to alternative low and high temperature coupled with high humidity, if the powdery mildew disease is noticed on chilli crop, spraying should be done of any of following fungicide, Hexaconazole 75 % WG @ 66.7 gram or Tebuconazole 25% WG @ 500-750 gram or Azoxystrobin 8.3 % + Mancozeb 66.7 % WG @ 1500 gram or Boscalid 25.2% + Pyraclostrobin 12.8 % WG @ 600 gram or Carbendazim 12 % + Mancozeb 63 % WP @ 750 gram or Kresoxim-Methyl 15 % + Chlorothalonil 56 % WG @ 1000 gram or Tebuconazole 10 % WP + Sulphur 65 % WG @ 1250 gram or Tebuconazole 50 % + Trifloxystrobin 25% WG @ 250 gram mixed with in 500 litre of water per acre for management of disease.
MANDARIN ORANGE	<ul style="list-style-type: none"> • Considering the rainfall forecast, harvesting of Ambia bahar market ready fruits should be completed as far as possible.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	<ul style="list-style-type: none"> • To protect livestock from cold weather, keep the animals indoor during night hours. Provide suitable bedding like paddy straw, wheat straw, saw dust etc. of 4-6-inch thickness to protect the animals from cold. The floor of the animal shed should be kept clean and dry. Provide clean and potable drinking water to animals round the clock. Clean the water trough (once in a week) regularly in livestock. Provide mineral mixture @ 30-40 g/day to cattle for improving the milk production and reproduction efficiency.

Fisheries Specific Advisory:

Fisheries(Varieties)	Fisheries Specific Advisory
SWEET WATER FISH	<ul style="list-style-type: none"> • As feed intake decreases with decrease in temperature, it is essential to reduce the feeding rate by 50-75% depending on the temperature. During winter the surface water of the pond is colder than bottom layer where, fish prefer to spend more time. Hence fish farmer may keep the water depth up to 6 feet. The farmers are advised to aerate their ponds either by adding fresh water or by using aerators, especially during early hours of the day.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	<ul style="list-style-type: none"> • 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.