



Agromet Advisory Bulletin

Date : 02-07-2024

Weather Forecast of **HINGNA** Block in **NAGPUR**(Maharashtra) Issued On :2024-07-02(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-07-03	2024-07-04	2024-07-05	2024-07-06	2024-07-07
Rainfall	11.9	9.9	11.1	9.5	12.2
Tmax(°C)	35.1	33.8	33.8	34.0	35.0
Tmin(°C)	25.4	25.5	25.7	25.8	25.9
RH-I(%)	79	74	77	76	73
RH-II(%)	54	53	55	56	48
Wind Speed(kmph)	15	16	17	16	13
Wind Direction(Degree)	252	264	255	244	250
Cloud Cover(Octa)	6	6	5	4	7

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be partially to mainly cloudy during next five days i.e. 03rd to 07th, July, 2024. • Very light to light/moderate rainfall likely to occur on 03rd, 04th, 05th and 07th, July, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur on 04th and 07th, July, 2024. • No large change in maximum and minimum temperature over the Vidarbha during next 5 days. • As per the Sub Division wise Extended Range Rainfall Forecast, above normal rainfall is expected, however maximum and minimum temperature is likely to be normal over Vidarbha during 07th, July to 13th, July, 2024.

General Advisory:

• By ensuring available moisture for sowing, sowing of soybean should be done till 07th July, sowing of kharif sesame should be done till 07th July, sowing of kharif jowar should be done till 10th July and sowing of maize should be done till 07th July. • The soybean farmers are requested to use Broad Bed Furrow (BBF) or Ridge & Furrow. This will facilitate managing the crop both in case of waterlogging as well as drought situation. • Where sowing of cotton, soybean, pigeon pea etc. has already done, farmers are advised to take up gap filling in cotton wherever gaps are observed. • Farmers should apply the recommended seed treatment to the seeds before sowing. • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when gusty winds and thunder are predicted. Animals should be kept away from open water sources, rivers or lakes and away from tractors and other metal implements. Sufficient fodder and water should be arranged for the animals in the manger. • Farmers and farm labourers should take care of themselves and livestock keeping in mind the forecast of lightning. Sheltering under trees should be strictly avoided and also livestock should not shelter under trees.

SMS Advisory:

• Farmers should apply the recommended seed treatment to the seeds before sowing.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	• Where sowing of cotton has already done, farmers are advised to take up gap filling in cotton wherever gaps are observed.
GREEN GRAM	• Avoid sowing of greengram as sole crop.
BLACK GRAM	• Avoid sowing of blackgram as sole crop.
RICE	• In areas with guaranteed rainfall or if irrigation is available, rice should be sown by Direct Seeded Rice method from second week of June to 10th of July. •

Crop(Varieties)	Crop Specific Advisory
	<p>Ploughing twice and then disc harrow or rotavator so that the soil become tilled properly. • Short to mid-late rice varieties should be selected. • Be careful when sowing, paddy seed should not be sown deeper than 5 cm. • Desi plough, Tifan, Marker, Tractor, Tractor drawn seed drill, Sowing Machine, Drum seeder etc. can be used for paddy sowing. • Pre- Emergence: For weed control Pendimethalin 30% E.C. (Pre-emergence) @ 50 ml. Or Pretilachlor 50% E.C. (Pre-emergence) @ 20 to 30 ml. in 10 liters of water, spray immediately after sowing if there is moisture and weeding should be done after 30 days. • Post-Emergence: - Bispyribac sodium 20% + Pyrozosulfuron ethyl 15 % WGD 35% @ 02 gm in 10 liters of water after 10 to 12 days after sowing or Metsulfuronmethyle 10% + Chlorimuron ethyl 10% WP 20 % @0.7 gm in 10 liters of water after 20 to 25 days after sowing • If there is abundant water availability in the field, green manure crops should be taken to increase the fertility of the soil, organic matter and the availability of nitrogen and other nutrients. • Green manure to be planted in the field: - Green manure is sown in the field continuously or as an intercrop in fruit crops and in the same field these crops are mixed in the field before flowering. These types of green manure include hemp, cluster bean, cowpea, dhaincha, green gram, matki, black gram, etc. • Seed Germination test should be done if you want to use own seed. Use those seed for sowing if found germination more than to 70 to 80% and use seed accordingly. • Rice varieties recommended for East Vidarbha should be used for cultivation. • Seed treatment should be done before sowing. For seed treatment, dissolve 300 g of salt (3%) in 10 liters of water and pour seeds in it. Once the solution is stable, remove the floating diseased seeds through a sieve and burn them. Wash the healthy seeds at the bottom 2-3 times with clean water and dry them in the shade for 24 hours. Before sowing, seeds should be treated with fungicide and Trichoderma bio-fungicide should be applied by rubbing 4 to 5 gm per kg of seed.</p>
SOYABEAN	<p>• Where sowing of Soybean has already done, farmers are advised to take up gap filling in cotton wherever gaps are observed. • Sowing of soybean should be done by ensuring the adequate soil moisture for sowing and at Wafsa condition till the 07th July. • It is also advised to apply the of recommended quantity all the nutrients (25:60:40:20 N:P2O5:K2O:S kg/ha) in balanced way, only at the time of sowing. • The nutritional dose can be supplied through any one of the fertilizers combinations: (1) 56 kg Urea+375-400 kg SSP+ 67 kg MoP OR (2) DAP @ 125 kg + 67 Kg MOP+ 25 kg bentonite Sulphur OR (3) complex fertilizers like 12:32:16 (200 kg/ha) + 25 kg bentonite Sulphur. • In order to save early stage crop from diseases and insects and ensure proper plant population, it is recommended to treat the seed with fungicides and insecticides. The seed should be first treated with recommended fungicides like Azoxystrobin 2.5% + Thiophanate Methyl 11.25 % + Thiamethoxam 25 % FS (10 ml/kg seed) OR Penflufen + Trifloxystrobin (1 ml/kg seed) OR Thiram + Carboxin (3 g/kg seed) or Thiram + Mancozeb (3 g/kg seed). It should be allowed to dry for some time and then treated with insecticide like - Thiamethoxam 30 FS (10 ml/kg seed) or Imidacloprid 48 FS (1.25 ml/kg seed). Seed treatment with chemicals can be done much before sowing.</p>
PIGEON PEA (RED GRAM/ARHAR)	<p>• Sowing of rainfed pigeonpeashould be done ensuring the adequate soil moisture for sowing and at Wafsa condition till the 07th, June. • Treat the pigeon pea seed with Carboxin 37.5% + Thiram 37.5% DS 3 gm per kg seed before sowing. Rhizobium or Phosphorus Solubilizing Bacteria (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).</p>
MAIZE	<p>• Sowing of Maize should be done by ensuring the adequate soil moisture for sowing and at Wafsa condition till the 07th, July.</p>
SORGHUM (JOWAR/GREAT MILLET)	<p>• Sowing of Kharif Sorghum should be done by ensuring the adequate soil moisture for sowing and at Wafsa condition till the 10th, July.</p>
SESAME (GINGELLY/TIL)	<p>• Sowing of kharif sesame should be done by ensuring the adequate soil moisture for sowing and at Wafsa condition till the 07th, July.</p>

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	<p>• Transplant chilli seedling of 6 to 8 week age old at adequate soil moisture condition. • Before transplanting of chilli seedlings, the apical shoot tip of seedlings should be dip in the solution of dimethoate 30 EC 10 ml + Sulphur 80 WDG 3 grams + Mancozeb 75 % WP 2.5 grams in one liter of water.</p>

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	<ul style="list-style-type: none"> • By ensuring adequate soil moisture and Wafsa condition, start planting citrus plants in the filled pits by keeping the bud joint portion 20 to 25 cm above the ground level. Before planting in pits the naked bud grafts roots should be dipped in solution of 2.5 gms i.e., mefenoxam MZ-68 and 1 gm i.e. carbendazim in one liter water for 10-15 minutes. • Avoid water stagnation near the tree trunk. Remove water shoots from the plant and all shoots below the bud union of the graft. Intercrops such as urad, moong, soybean, groundnut etc. can be grown in between the interspaces of the plants. For green manuring sow seeds of dhaincha or sunhemp @ 40 kg per hectare. • Incidence of citrus psylla, aphids, and leaf miner is common on new flush. Foliar application of Dimethoate# 30 EC @ 20 ml or Thiamethoxam# 25 WG @ 3 g or Imidacloprid# 17.8 SL @ 5 ml or Diafenthiuron# 50 WP for mites @ 20 gm /10 litre water in flushing season by directing the spray at the new flush stage checks the pest during clear weather condition. If required, second spray of any of the above insecticides should be given after 15 days.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> • Avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces as there is a possibility of rain and lightning. Animals should be kept away from open water sources, rivers or lakes and tractors and metal. • 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. Protect young animals from excessive consumption of newly grown green vegetation.
GOAT	<ul style="list-style-type: none"> • Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	<ul style="list-style-type: none"> • Provide nutritious feed and fresh, clean and cold water to the birds.

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"> • 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. The herbicide should be used carefully. Rinse (clean wash) the spray pump before spraying. Do not spray in cloudy weather. Different non-recommended herbicides should not be mixed for application. Ensured that sufficient moisture in soil before application of herbicides.