



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR
ZONAL AGRICULTURAL RESEARCH STATION,
SHENDA PARK, KOLHAPUR



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Weather based Agromet Advisory committee meeting dated 11.10.2024

District: KOLHAPUR

Last Week Weather Summary (05.10.2024 to 11.10.2024)							Weather Parameters	Weather Forecast (12.10.2024 to 16.10.2024)				
05	06	07	08	09	10	11	Date	12	13	14	15	16
0.0	0.0	1.5	0.0	1.4	8.0	23	Rainfall (mm)	35	16	18	14	20
32.4	32.4	32.0	32.4	32.4	29.0	28.5	Max. Temp. (°C)	27	27	28	28	27
20.8	21.0	21.0	21.2	21.4	21.4	21.4	Min. Temp. (°C)	22	22	23	22	21
4	5	3	4	4	5	8	Cloud Cover	8	8	8	8	8
6	4	4	4	4	8	4						
86	92	86	87	93	95	96	Max. RH (%)	95	94	96	93	96
73	72	71	72	62	75	-	Min. RH (%)	83	75	71	73	70
1.1	2.0	2.3	1.9	2.0	1.4	2.2	Wind Speed(km/hr)	6	6	5	6	8
SW	W	SW	SW	E	E	SE	Wind Direction	ESE	S	S	WSW	W
NW	W	NW	E	SE	SE	E						
Rainfall last week				Rainfall since 01.01.2024 (mm)				Rainy days since 01.01.2024				
33.9				1323.5				82				

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of cloudy sky from 12 th to 16 th October in Kolhapur district. There is forecast of moderate rainfall at scattered places on 12th, 13th, 14th, 15th and 16th October in Kolhapur district. During next 5 days Maximum temperature will remain nearby 27.0 to 28.0 while minimum temperature will remain nearby 21.0 to 23.0°C. Morning relative humidity will remain between 94 to 96% and Afternoon relative humidity will remain 70 to 83%. Wind speed will remain up to 05 to 08 km/h According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal, maximum temperature will remain normal and minimum temperature will remain above normal valid from 11 th to 17 th October, 2024
Weather warning		<ul style="list-style-type: none"> ➤ Thunderstorm accompanied with lightning, heavy rainfall & gusty winds reaching 30-40 kmph very likely to occur at isolated places in the districts of Kolhapur district on 11th and 12th October ➤ Thunderstorm accompanied with lightning, light to moderate rainfall & gusty winds reaching 30-40 kmph very likely to occur at isolated places in the districts of Kolhapur on 13th October
General Advisory		<ul style="list-style-type: none"> ➤ Carry out spraying of Insecticide and fungicides only if there is no rainfall and wind speed is low or calm condition. Use sticker while spraying. ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. Care should be taken by farmers during thunderstorm and lightening ➤ If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open. ➤ Keep animals away from open water, pond or river. ➤ Keep animals away from tractors and other metal farm equipment. ➤ Cover the harvested produce (if in the field) with polythene sheet. ➤ Avoid contact with electrical equipment or cords. ➤ Don't allow your animals to congregate under trees.
SMS Advisory		➤ As there is forecast of light to moderate rainfall thus carry out harvesting of mature crop like Soybean, Groundnut and <i>Kharif</i> Sorghum and keep the harvested produce at safe place.
Rice	Flowering	Ghat areas (Ajara, Bhudargad, Chandgad, Gaganbawada, Radhanagari, Shahuwadi)



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	to grain filling	<ul style="list-style-type: none">➤ According to growth stages of paddy crop water level in rice should maintain 10 cm during flowering stage to grain filling stage➤ Carry out harvesting of early matured varieties and keep the harvested produce at safe place.
Maize	Maturity	<ul style="list-style-type: none">➤ Carry out harvesting of matured crop and keep the harvested produce at safe place. Carry out threshing after proper drying of Earheads.
Rabbi Sorghum	Sowing	<ul style="list-style-type: none">➤ Carry out sowing of rabbi sorghum at vafasa condition in soil at 5 cm depth upto 15th October➤ Spacing :45x15cm,➤ Seed treatment: Apply 4 gram Sulphur (300 Mesh) and 25 gram Azatobactor and P.S.B. Culture to per kg of seed.➤ Fertilizer Dose: Medium Soil give fertilizer dose of N:P:K 40:20:00 kg per hector out of which ½ Dose of Nitrogen and Full dose of Phosphorus should be given at the time of sowing.
Chick Pea	Sowing	<ul style="list-style-type: none">➤ Complete sowing of rainfed chickpea as early as possible at sufficient moisture condition (vafasa) in soil.➤ Use Vijay, Digvijay, Phule Vikram and Phule Vishvaraj varieties for sowing.➤ Seed treatment: Treat the seeds Trychodarma Harjiyanam 1.0% W.P. 6 gram per kg of sees for prevention from Neck rot and root rot then trat the seeds with 250 gram Rayzobium and P.S.B. per 10 kg of Seeds by mixing in cold Jaggary solution. Dry this treated seed under shade almost for 1 hour and then carry out sowing.➤ For control of Gram Pod borer through Integrated Pest Management carry out sowing of 200 gram of Sorghum by mixing in Chick Pea.
Soybean	Maturity	<ul style="list-style-type: none">➤ Harvesting of Soybean should carry out after pods gets yellowish red colour and after completion of 90 to 110 days from sowing as per the maturity of crop variety. If harvesting delays pods breaks and seeds gets shattered in field. Harvesting should carry out nearer to ground with help of sharp sickle.
Groundnut	Maturity	<ul style="list-style-type: none">➤ Groundnut leaves turns yellow, shell of pods become tough and inner side of shell gets blackish colour after attaining maturity. Carry out harvesting of matured crop. Harvested pods should be dried under sunlight as soon as sunlight gets available then store dried pods at dry and safe place. Do not store pods in wet and humid place.
Sugarcane	Growth	<ul style="list-style-type: none">➤ Apply Urea @110 kg per hector which is 10% of Nitrogen dose means 50 kg Nitrogen per hector of the total recommended dose (500:200:200 kg Nitrogen: Phosphurus:Potash) for Co. 86032 (Nira) variety. Use 40 kg Nitrogen i.e. 87kg Urea per hector to other varieties of Sugarcane.
Okra	Fruit development	<ul style="list-style-type: none">➤ Due to partially cloudy cpndition and increased maximum temperature in last week the incidence of fruit borer is observed in thus to control spray the crop with Lambda Cyhalothrin 5% E.C. 6ml per 10 liters of water.Spraying of Nimboli Ark 5% is also effective.➤ Use Trichocards @10 per hector.
Banana	Fruit development	<ul style="list-style-type: none">➤ To avoid lodging of plants carry out staking to the Banana plants as there is forecast of gusty wind with light to moderate rainfall
Animals	Growth	<ul style="list-style-type: none">➤ Do not allow animals for grazing during warning period.➤ If deworming is completed then carry out vaccination for prevention of Foot and Mouth disease from authentic skilled veterinarian➤ For good quality of green fodder to cattle's carry out planting of Maize, Sorghum and Hybrid Napier grass.

Source:

- 1) Weather Forecast : Research Section, Mumbai
- 2) Last week weather summary : IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Date : 11.10.2024

Sd/-
Nodal Officer, GKMS, &
Associate Director of Research,
ZARS, Kolhapur