



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 16.09.2025

District: KOLHAPUR

Last Week Weather Summary (10.09.2025 to 16.09.2025)							Weather Parameters	Weather Forecast (17.09.2025 to 21.09.2025)				
10	11	12	13	14	15	16	Date	17	18	19	20	21
0.0	0.0	0.0	2.8	2.0	0.0	0.4	Rainfall (mm)	8	10	6	6	4
29.5	31.2	30.5	30.0	29.0	29.6	29.0	Max. Temp. (°C)	28	28	28	29	30
20.1	19.8	20.8	22.0	21.0	22.2	21.8	Min. Temp. (°C)	22	22	22	22	22
8	8	8	8	8	8	8	Cloud Cover	8	8	8	8	7
8	8	8	8	8	8	8						
91	89	88	95	90	96	93	Max. RH (%)	88	88	86	87	84
63	64	66	71	74	79	84	Min. RH (%)	84	84	81	81	79
2.3	2.7	2.5	1.9	2.3	2.2	1.8	Wind Speed(km/hr)	4	4	5	6	6
W	W	W	W	SW	SW	W	Wind Direction	W	W	W	WSW	W
SSW	WSW	SW	NW	NW	WNW	WNW						
Rainfall last week				Rainfall since 01.01.2025 (mm)				Rainy days since 01.01.2025				
5.2				1185.8				84				

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 generally cloudy sky from 17 th to 21 st September in Kolhapur district. There is forecast of light to moderate rainfall at fairly widespread places on 17th and 18th September and light rainfall at scattered places on 19th, 20th and 21st September in ghat region of Kolhapur district while there is forecast of light to moderate rainfall at scattered places on 17th and 18th September and light rainfall at isolated places on 19th, 20th and 21st September in the middle and east part of Kolhapur district. During next 5 days Tmax may remain between 28.0 to 30.0°C. During next 5 days the minimum temperature may remain nearby 22.0 to 23.0°C. Morning relative humidity will remain nearby 84 to 88% and Afternoon relative humidity will remain nearby 79 to 84%. Wind speed will remain between 04 to 06 kmhr ⁻¹ .
ERFS		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 normal valid from 21 st to 27 th September, 2025
General Advisory		<ul style="list-style-type: none"> ➤ Carry out harvesting of matured Green gram and Black gram crop and keep the harvested produce at safe place as rainfall is forecasted for next 5 days. ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. ➤ Meghdoot App link: https://play.google.com/store/apps/details?id=com.aas.meghdoot ➤ Damini App link : https://play.google.com/store/apps/details?id=com.lightening.live.damini
SMS Advisory		➤ Carry out harvesting of matured Green gram and Black gram crop and keep the harvested produce at safe place as rainfall is forecasted for next 5 days.
Rice	Panicle Initiation	<ul style="list-style-type: none"> ➤ According to growth stages of paddy crop water level in rice should maintain 5 to 10 cm at Panicle Initiation stage and 10 cm during flowering stage. ➤ Due to frequent rain and high humidity there is incidence of Brown Plant hoppers and Green plant hoppers on rice crop thus to control take spray of Fipronil 5 S.C.20 ml or Imidacloprid 17.8 S.L. 2 ml per 10 liters of water. (Ghat areas)
Maize	Tasseling	<p>Due to the rainfall received in the past week, RH I remain >80%, and maximum temperature ranging between 28.0 to 30.0°C, an infestation of Fall Armyworm has been observed on the maize crop. As soon as the infestation is noticed, the following control measures should be adopted:</p> <p>Biological Control</p> <ul style="list-style-type: none"> • Release Trichogramma, a parasitic insect that preys on the eggs of this pest, at the rate of 50,000



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		<p>eggs per hectare, three times at 10-day intervals in the field.</p> <ul style="list-style-type: none"> For effective control, spray Metarhizium (Nomuraea) rileyi (1.15% WP) at the rate of 50 grams per 10 liters of water, as soon as infestation is observed. Carry out two sprays at 15-day intervals. <p>Chemical Control For effective control of Fall Armyworm (Spodoptera frugiperda) on maize grown for grain production, use the following insecticides (per 10 liters of water):</p> <ul style="list-style-type: none"> Spinetoram (11.7% SC) – 5 ml or Flubendiamide (20% WG) – 5 grams or Emamectin Benzoate (1.5%) + Profenofos (35% WDG) – 15 ml Spray these insecticides alternately (in rotation) to prevent resistance and ensure effective control.
Green gram	Maturity	<ul style="list-style-type: none"> ➤ If possible carry out harvesting of matured pods when there is no rainfall. Does not delay harvest of matured pods as it lead to shattering of seeds. ➤ Keep the harvested produce at safe place as rainfall is forecasted.
Soybean	Pod formation	<ul style="list-style-type: none"> ➤ In the past week, due to continuous rainfall, cloudy weather and high humidity, the Rust has been observed on Soybean crop. ➤ The disease spreads through wind-borne spores. Highest incidence occurs during pod-filling stage. ➤ The infection is commonly seen on the lower leaves near the soil. ➤ Symptoms include: Leaves turn yellow. Numerous small yellowish to reddish-brown spots appear, especially near the main leaf veins. As the disease progresses, muddy-brown lesions appear on both leaf surfaces, as well as on petioles, tender stems, and branches. A reddish-brown powdery growth develops in the center of small spots. Leads to premature leaf drop. Affected pods do not fill properly, and the resulting seeds are small, shriveled, and diseased. ➤ Control Measures ➤ Ensure proper drainage to remove excess water from the field. ➤ Fungicide Spray (per liter of water): ➤ Propiconazole (25% EC) – 1 ml or Hexaconazole (5% EC) – 1 ml or ➤ Azoxystrobin (18.2%) + Difenoconazole (11.4% SC) – Combined fungicide – 1 ml
Sugarcane	Growth	<ul style="list-style-type: none"> ➤ Due to cloudy weather and high rainfall in some areas, an incidence of rust and brown spot diseases is observed on sugarcane. For effective management of these diseases, apply three sprays of the combined fungicide Azoxystrobin 18.2% + Difenoconazole 11.4% SC @ 0.1% (10 ml per 10 liters of water) at 15-day intervals, starting from the appearance of initial symptoms.
Tomato	fruit formation	<ul style="list-style-type: none"> ➤ Due to cloudy weather and high humidity, the fruit borer larva has been observed on tomato crops in some areas. ➤ The larva initially feeds on the leaves, and later it bores into the green or ripe fruits, feeding on the pulp inside. ➤ For control of this pest, mix Novaluron 10% EC (15 ml) or Chlorantraniliprole 18.5% SC (3 ml) in 10 liters of water and spray it 2-3 times at 8 to 10-day intervals.
Okra	fruit formation	<ul style="list-style-type: none"> ➤ Due to cloudy weather and high humidity there is possibility of incidence of Fruit borer thus to control. Bury the infected fruits in soil. ➤ For control, alternate spraying with the following insecticides: ➤ Deltamethrin 2.8% EC – 10 ml or Lambda-Cyhalothrin 5% EC – 6 ml. Mix these in 10 liters of water. Additionally, spray 5% neem oil extract intermittently. ➤ Also, use Trichocards at the rate of 10 per hectare.
Animals	Growth	<ul style="list-style-type: none"> ➤ Due to unhygienic conditions, there is a possibility of mastitis. Therefore, ensure the cow's teats are kept clean. ➤ Due to the rain, humidity levels inside the cowshed have increased, causing discomfort to the cattle. Ensure proper ventilation in the cowshed to maintain a comfortable environment.
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Source:

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

Place : ZARS, KOLHAPUR

Date : 16.09.2025

Sd/-
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