



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, PUNE
Department of Agricultural Meteorology
College of Agriculture, Pune 411 005



Ph No. 020-25538009

E-mail: amfupune@gmail.com

Weather based Agromet Advisory committee meeting dated 26.07.2024
District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (20.07.2024 to 26.07.2024)							Weather Parameters	Weather Forecast (26.07.2024 to 30.07.2024)				
20	21	22	23	24	25	26	Date	27	28	29	30	31
2.6	3.0	4.6	11.1	39.9	114.1	56.2	Rainfall (mm)	45	35	25	24	28
27.3	27.0	28.2	25.5	26.9	25.9	24.0	Max. Temp. (0C)	28	29	30	31	31
22.9	22.9	23.0	23.0	22.5	22.0	21.4	Min. Temp. (0C)	22	22	23	22	22
							Cloud Cover	8	8	8	8	8
90	92	92	95	93	98	88	Max. RH (%)	90	90	90	91	89
86	79	86	82	84	97		Min. RH (%)	81	80	81	81	82
6.6	6.5	6.8	6.8	5.9	5.1	4.7	Wind Speed(km/hr)	27	28	24	21	21
							Wind direction (deg)	248	248	248	248	248

Agromet Advisory Based on Weather Forecast Prediction

Crop	Crop Stage	Advisory
Weather Summary/ Alert		<p>According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department there is possibility of rainfall at most (wide spread) places during dt. 26th to 30th July, 2024 in the western ghat region of the district and at some (scattered) places on dt. 26th, 27th & 28th July, 2024 in the eastern part of the district and at isolated places on dt. 29th & 30th July, 2024 in the eastern part of the district.</p> <p>Warning : According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department isolated places in the ghat region of the district may experience heavy, very heavy to extremely heavy rainfall on dt. 26th July, 2024 and isolated places in the ghat region of the district may experience heavy to very heavy rainfall on dt. 27th & 28th July, 2024 and isolated places in the ghat region of the district may experience heavy rainfall on dt. 29th & 30th July, 2024.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 31st July, 2024 to 06th August, 2024 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> ➤ Rainfall may remain normal. ➤ Maximum temperature may remain normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • As there is possibility of heavy rainfall at isolated places in the ghat region of the district make arrangement for draining out excess rainwater from fields. • As there is possibility of rainfall harvesting of matured crops should be done. Store the harvested produce at safe storage places. The harvested produce should be covered properly.

		<ul style="list-style-type: none"> • For protection from untimely rains the stored grains in field should be shifted at safe storage. • Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain. • Farmers should observe the pest and disease incidence on their field and if the infestation is above economic threshold level (ETL) then proper pest and disease management should be done. • Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. • Also, farmers should download and make use of use of Damini mobile app for lightning and thunderstorm warning and forecasting. • The rainfall received should be percolated and saved in the farm itself by various water harvesting and conservation techniques.
The kharif season	Intercultural operations	If soil condition is favorable intercultural operation of hoeing or weeding should be carried out in the standing crop of 10 to 15 days old after sowing so that weeds may be controlled and for retention of soil moisture.
Soybean	Vegetative growth stage	After 15 to 20 days of germination carryout hoeing operation followed by weeding to control weeds or spray imyazethyaper 0.1 to 0.15 kg per hectare in 500 to 600 lit. of water after 21 days of sowing.
Pigeon Pea	Vegetative growth stage	If soil condition is favorable intercultural operation of hoeing or weeding should be carried out in the standing crop of 10 to 15 days old after sowing so that weeds may be controlled so that the competition for soil moisture and nutrients can be avoided and for retention of soil moisture.
Green gram & black gram	Vegetative growth stage	Carry out hoeing operations after 20 to 25 days of sowing and again repeat 30 to 35 days of sowing. After hoeing remove the weeds in between the plants by weeding.
Maize	Vegetative growth stage	After germination birds pickup the young shoots and thus affect the plant population so care should be taken in 10 to 12 days after sowing from bird menace. The primary stage plants of maize are very susceptible for water logging conditions hence avoid it till the crop is 20 days old.
Cotton	Vegetative growth stage	If soil condition is favorable intercultural operation of hoeing or weeding should be carried out in the standing crop. Due to present cloudy and humid condition, the 15 days and more old cotton crop may be protected from sap sucking pests by spraying 5% neem ark when there are no rains. The cotton plant may get infested by green leaf eating caterpillar, for its control erect 5 pheromon traps per hectare.
Paddy	Transplanting	As there is possibility of heavy rainfall at isolated places in the ghat region of the district make arrangement to drain out excess of stagnated rainwater from field. Due to heavy rainfall rice seedlings and applied fertilizers may get carried away due to outflow so take precaution to avoid drifting out of paddy seedlings. Fertilizer application should be postponed due to heavy rainfall forecasted or do it considering the rainfall. The water level in the newly transplanted paddy field should be maintained up to 1 to 2 cm till the saplings get settled. After this when the plants are in primary growth stage the water level in the paddy field should be maintained up to 2 to 3 cm. Where the transplanting of paddy is over for control of weeds spray Butyachlor 50 EC or Benthocarb 50 EC 1.5 kg per 500 litre of water within 1 week of transplanting by removing all the water in the field and spray it and on next day again maintain the water level in the field.
Banana		Always keep the soil in the orchard clean. Intercultural operation should be

		done. Every three months staking of soil to the plants should be done. The suckers at the base of the plants should be removed by sharp knife. The infested leaves should be removed and destroyed outside the banana orchard. Do not remove green leaves. If required provide necessary support to the plant.
Animal Management		As there is possibility of rainfall cattle should be kept at safe places in cattle shed. Care should be taken to avoid water stagnation around the cattle shed and also, avoid wetness inside the cattle shed. It is most important to give wormicide medicine to animals by consulting veterinary doctor. Always give clean drinking water to animals. For control and prevention of disease animals should be given vaccine and medicine in consultation with veterinary doctor.
Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.		

Source:

- 1) Weather Forecast : Regional Meteorological Centre (RMC, Mumbai)
2) Last week weather summary : IMD observatory (CAgMO, A.C., Pune)

Place : COA, Pune

Date : 26.07.2024

Sd/-

**Principal Nodal Officer, GKMS, AMFU Pune &
Head, Department of Agril. Meteorology, COA, Pune.**