



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 30.08.2024
District Jalgaon

Weather Parameters	Weather Forecast (30.08.2024 to 03.09.2024)				
Date	31	1	2	3	4
Rainfall (mm)	12	18	18	30	45
Max. Temp. (0C)	33	33	32	30	29
Min. Temp. (0C)	24	23	23	22	22
Cloud Cover	7	7	8	8	8
Max. RH (%)	89	92	92	94	91
Min. RH (%)	70	71	70	71	70
Wind Speed(km/hr)	13	17	17	19	18
Wind direction (deg)	288	292	292	292	270

Agromet Advisory Based on Weather Forecast Prediction

Crop	Crop Stage	Advisory
Weather Summary/ Alert		According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department there is possibility of rainfall at isolated places on dt. 30th & 31st August, 2024 and at some (scattered) places on dt. 01st September, 2024 and at many (fairly wide spread) places on dt. 02nd September, 2024 and at most (wide spread) places on dt. 03rd September, 2024 in the district. Warning : According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department isolated places in the district may experience thunderstorm activity accompanied with gusty winds (30 to 40 kmph), lightening & rainfall on dt. 30th & 31st August, 2024 and isolated places in the district may experience thunderstorm activity accompanied with gusty winds, lightening & rainfall on dt. 01st & 02nd September, 2024 and isolated places in the district may experience thunderstorm activity accompanied with gusty winds, lightening & rainfall and isolated places in the the district may experience heavy rainfall on dt. 03rd September, 2024.
Extended Range Forecast (ERFS)		As per ERFS products during 04th to 10th September, 2024 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain below normal. ➤ Minimum temperature may remain normal.
General Advisory		• As there is possibility of thunderstorm activity accompanied with gusty winds, lightening & rainfall at isolated places and also isolated places in the district may experience heavy rainfall make arrangement for draining out excess rainwater from fields. • Spraying of insecticide and pesticide should be done by considering the

		forecasted rain and preferably when there is no rain and use sticker. • 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. • For protection from untimely rains the stored grains in field should be shifted at safe storage. • 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.
Soybean	Pod formation to Pod development stage	Due to cloudy and humid weather condition as a precautionary measure take prior infestation monitoring of Spodoptera and erect 5 pheromone traps per hectare by using Spodolure. The spread of viral mosaic disease is carried out through sap sucking pests (aphids, whiteflies etc.) and for its control take a spray of Imidachloropid 17.8% SL mixed in 4 ml or Methyl Demeton 25% solution 10 ml in 10 liters of water should be spray in a clean and clear weather condition.
Pigeon Pea	Branching stage	The apical buds of the crop should be cut 5 cm from above after 45 days of sowing. Hoeing or weeding should be done as required so that the competition between the crop and weeds for soil moisture and soil nutrients can be avoided.
Green gram & black gram	Maturity to harvest stage	When the pods are 75% dried the first picking should be done and after 8 to 10 days complete the picking. 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. Threshing should be carried out when the pods are fully dried.
Maize	Vegetative growth stage	Due to cloudy weather condition for control of fall army worm spray neem-based insecticide azadirachtin (1500 ppm), 5 ml per liter of water. Spraying should be done only when there is no rainfall and calm wind.
Brinjal	Vegetative growth stage	Due to present cloudy and humid weather condition the infestation of fruit and shoot borer may occur for its control chlorantriliniliprol 18.5% S.C., 4 ml or chlorpyriphos 20% EC, 20 ml per 10 liters of water in a clean and clear weather condition.
Cotton	Square formation, flowering stage	Carryout intercultural operations for weed control. Carry out topping in 80 to 90 days cotton crop, top main branch of the plant should be plucked, this will limit the physical growth of the crop and promotes good growth of all the buds, bolls do not rot and the incidence of pests and diseases is reduced. Due to present cloudy and humid condition, 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.
Banana		Due to present cloudy and humid weather the incidence of blast (sigatoka) disease may occur and for its control destroy the part of leaf or full leaf of plants. When the incidence is noticed spray propiconyazol 5 ml and mineral oil 100 ml per 10 liter of water when there are no rains. Repeat two spray at

		an interval of 20 days.
Animal Management		For control and prevention of diseases all animals should be given medicine and vaccination in consultation with veterinary doctor. During rainy season do not give excess of green fodder to animals. To prevent nuisance from ectoparasites spray Deltamethrin (Ex. Butox) by taking advice from Veterinary doctor in goat shade and on the goats. During rainy season care should be taken to avoid water stagnation around the cattle shed and also, avoid wetness inside the cattle shed. Care should be taken that the flowing rainwater should not enter into the drinking water tank of cattle's. Drinking water tanks should be cleaned regularly and should be applied lime.
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 : -

Place : COA, Pune
Date : 30.08.2024

Sd/-
Principal Nodal Officer, GKMS, AMFU Pune &
Head, Department of Agril. Meteorology, COA, Pune.