



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 17.09.2021
District Jalgaon

Weather Parameters	Weather Forecast (17.09.2021 to 21.09.2021)				
Date	18	19	20	21	22
Rainfall (mm)	11	2	7	11	23
Max. Temp. (0C)	33	32	33	31	30
Min. Temp. (0C)	23	23	24	24	23
Cloud Cover	8	5	7	7	8
Max. RH (%)	91	92	89	91	94
Min. RH (%)	63	62	62	66	73
Wind Speed(km/hr)	10	10	10	11	14
Wind direction (deg)	260	266	243	242	262

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 cloudy weather and rainfall at some (scattered) places on dt. 17th, 20th & 21st September, 2021 and there is possibility of cloudy weather and rainfall at isolated places on dt. 18th & 19th September, 2021 in the district.</p> <p>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 rainfall on dt. 19th & 20th September, 2021.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 19th to 25th September, 2021 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 below normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • As there is possibility of rainfall proper precaution should be taken by farmers of themselves, harvested farm produce and the cattle's and animals should be kept at safe place. • The rainfall received should be percolated and saved in the farm itself by various water harvesting and conservation techniques. • Considering the forecasted rains spraying of pesticide, insecticide should be postponed and if necessary it should be done preferably when there is no rain. • Care should be taken to avoid water logging condition in field and standing crop by draining out excess rainwater.
Cotton	Flower bud to	Water logging condition in cotton crop may lead to incidence of wilt. For its

	flowering stage	control drench the mixture of 1.5 kg Urea + 1.5 kg Potash in 100 liter of water and pour 150 to 200 ml per plant. After 8-10 days mix 2 kg DAP in 100 liters of water and pour 150 to 200 ml per plant. Due to present cloudy and humid condition, cotton crop may be protected from sap sucking pests by spraying 5% neem ark when there is no rain. The cotton plant may get infested by green leaf eating caterpillar, for its control erect 5 pheromone traps per hectare. The cotton plant infested by Pink bollworm, for its control disseminate 1.5 lakh eggs per hectare of trichogramma. For chemical control of pink boll worm spray profenophos 50 EC 30 ml or spinosad 45 SC 3.5 ml per 10 lit. of water when there is no rain.
Brinjal	Vegetative growth stage	Due to present cloudy and humid weather condition the infestation of fruit and shoot borer may occur for its control chlorantriliniprol 18.5% S.C., 4 ml per 10 liters of water in a clean and clear weather condition.
Soybean	Pod development	Erect 8 to 10 bird perches per acre for control of various types of larval pest. For control of leaf eating spodoptera larva spray erect 5 spodulure pheromone traps per hectare, collect and destroy the egg masses and larva which will help in controlling the pest. High humidity and cloudy condition is favourable for occurrence of rust in soybean. For control of rust disease spray propiconazole or hexaconazole 10 ml per 10 litre of water.
Pigeon Pea	Branching stage	For control of various types of insect pests install Pheromone traps @ 5 traps per hectare. Care should be taken to avoid water logging condition in standing crop by draining out excess rainwater. 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	Pod development to maturity stage	Start harvesting immediately when 75 % of pods mature and when there are no rains. One or two rounds of pod picking should be done after 8-10 days to avoid shattering of pods and avoid losses. The harvested produce should be stored at safe place. After proper drying threshing should be carried out. The threshed grains should be dried for 5-6 days before filling in the bags. Storage of these bags should not be done in moist place. Mix neem leaves (5%) in the grains to avoid storage infestation.
Maize	Flowering stage	If the infestation of Fall Army Worm is more than 10% for its control take spray of Chlorantriliniprole 18.5 SC 4 ml per 10 lit. of water when there are no rains. For prevention of infestation of cob borer spread Trichogramma chilonis egg parasitoids in the field at silking stage.
Vegetable Crops		Due to humid and cloudy condition the fungal diseases namely anthracnose, fruit rot and twig blight may occur on vegetables viz., Chilli, tomato, okra, brinjal onion, bottle gourd, bitter gourd etc. for its control spray fungicides like Difenconazole 10 ml or Azoxostrobin 10 ml or Hexaconazole 10 ml or Tebuconazole 10 ml per 10 liter of water + sticker 10 ml immediately after appearance of diseases. Three to four sprayings of above fungicides be undertaken at an interval of 10 days. Also for control of powdery mildew on vegetables spray water soluble sulphur 80 WP 25g or Tebuconazole 10 ml per 10 liters of water immediately after appearance of disease. Two to three sprays be undertaken at an interval of 15 days.
Mango		Due to present cloudy and humid condition for control of various insect pest and diseases on new shoots of mango plants spray 5% lymda psyhalothrin 6 ml per 10 lit. of water when there is no rain.
Banana	Vegetative growth stage	Due to present cloudy, hot 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 propiconazol 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.
Pomegranate	Fruit enlargement stage	For management of oily spot disease in fruit bearing orchards take a spray of copper hydroxide 53.8% 20 gm + streptocycline 100% 5 gm + bronopol 95-98% 5 gm + spreader sticker 5 ml per 10 liter of water when there are no rains.
Animal Management		To avoid the spreading of diseases in cattle's care should be taken to isolate the infected animal and the excreta of the animal should be destroyed by burying it far away. Vaccination should be carried out to healthy farm animals for foot and mouth disease. Due to open grazing the animals feed on grasses grown in the monsoon and there digestive system gets disturbed and they may suffer by Diarrhoea. So the proportion of dry fodder feed should be increased comparatively during rainy season. 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 diseases all 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 : -

Place : COA, Pune

Date : 17.09.2021

Sd/-

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