



# AGROMET ADVISORY BULLETIN

## GRAMIN KRISHI MAUSAM SEWA, AMFU, RAHURI

### DEPARTMENT OF AGRONOMY, MPKV, RAHURI.



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#### 22) Weather based Agromet Advisory committee meeting dated 13.05.2021

**District: Ahmednagar**

Last Week Weather Summary (06.05.2021 to 12.05.2021)							Weather Parameters	Weather Forecast (14.05.2021 to 18.05.2021)				
06	07	08	09	10	11	12	Date	14	15	16	17	18
0	0	0	0	0	0	0	Rainfall (mm)	0	7	12	25	29
38.4	38.6	37	38.6	38.4	39.6	38.4	Max. Temp. (0C)	39	41	40	38	36
26.5	27.3	26.9	27.9	26.3	25.9	23.9	Min. Temp. (0C)	25	28	29	26	24
0	2	0	2	0	0	0	Cloud Cover	7	7	8	8	8
63	57	63	62	69	55	70	Max. RH (%)	64	67	64	71	80
23	27	25	27	24	23	21	Min. RH (%)	40	36	34	38	50
1.3	1.7	1.1	1.4	0.9	1.6	2.6	Wind Speed(km/hr)	10	12	18	40	34

#### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Sky will remain partly cloudy during next five days at isolated places. Light to medium rain accompanied with thunderstorm & lighting is expected at isolated places during 15 to 18 May.
General Advisory		<p>Due to the possibility of rain, keep harvested crops in safe place/ shed or covered with plastic paper.</p> <p>Harvesting should be done at morning time.</p> <p>Due to the possibility of strong winds, the plant or fruit crop should be tied to each other with the help of bamboo or wooden sticks to protect the fruit crop.</p> <p>Due to the possibility of rain, avoid contact with electrical equipment or cords.</p> <p>The animal should not be sent to graze in the open, and should be given close attention. Don't allow your animals to congregate under trees. The animals should be kept in the shed and fodder should be provided. Care should be taken not to accumulate water in the shed. If water falls on the stored dry fodder and observed attack of fungus such fodder should not be given to the animals.</p> <p>Field work should be avoided if possible.</p> <p>Use Meghdoot mobile app for weather based crop advisory and prediction.</p> <p>Use Damini mobile app for electricity forecasting.</p>
SMS Advisory		Light to medium rain accompanied with thunderstorm & lighting is expected at isolated places during 15 to 18 May.
Water Recharge		Remove silt from wells, ponds or whatever. Also, try not to let the water percolate into the soil too much. Rainwater from the roof of the house should be collected in a tank through a pipe and used for well or bore well recharge.
Soybean	Germination test	<p>Before sowing of soybean crop, its germination capacity should be checked and sown.</p> <p>Gunny bags or newspaper paper should be used for germination test. Place 10 seeds in a row at a distance of one and a half to two cm, thus keeping a total of 100 seeds in ten rows.</p>



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		<p>Then wet it by pouring water on the Gunny bags or newspaper and keep it in a cool place in the shade. Sprinkle water on it from time to time. After six to seven days, count the germinated seeds separately. If the average number of germinated seeds is less than 70, sowing should be done by increasing the quantity of seeds per acre. Seed treatment should be done before sowing.</p>
<i>Kharif</i> crop planning		<ol style="list-style-type: none"><li>1) Preparatory tillage operations such as ploughing, harrowing, land leveling and bunding should be done as early as possible.</li><li>2) Deep ploughing should be done to make soil porous so that the roots of the plants develop fully.</li><li>3) Decomposition the previous crop residue, farm waste, stones from the field should be collected.</li><li>4) Collect soil sample for testing.</li><li>5) Arrange the quality and certified seed for <i>kharif</i> crops.</li></ol>
Summer Groundnut	Maturity	<p>At the time of crop maturity, leaves become yellow and start shadding. Shell of the become hard and inside colour of shell become black.</p>
Onion	Harvesting	<ol style="list-style-type: none"><li>1) Uproot the bulb by hand. The bundles of onion plants should build.</li><li>2) Tops are cut leaving 2 cm neck on the bulbs after field curing.</li></ol>
Precautions to be taken in the pandemic situation of Covid 19		<ol style="list-style-type: none"><li>1) The harvesting and processing operations are mechanized so carry out these operations with help of machines quickly without much group activity. Agricultural machinery should be sanitized frequently.</li><li>2) While working in field keep the social distancing, use mask and sanitizer/ soap as per availability.</li><li>3) Avoid touching to eyes, mouth and nose while working in field.</li><li>4) In case of manual field operations, accomplish the operation in 4-5 feet spaced strips assigning one strip to one person. This will ensure adequate social distance to engaged labours.</li></ol>
Advanced Irrigation Method (AIM)		<p>Flood irrigation leads to 30-40% channel seepage losses which can be avoided by using AIM. It is helpful where sol having maximum seepage losses. Channel and bund occupies about 16% cultivated area in traditional method. This area can be used for cultivation by using AIM. AIM avoids excess irrigation seepage losses and soil erosion. It also helps in fertilizer application through Fertigation. AIM saves water up to 50% and also significant increase in production. It helps in maintaining field capacity condition and avoids salt accusation near root zone. AIM also helps in reducing weed, insect and disease problems. We can use salty water with sprinkler irrigation method and there is no adverse effect if rainfall received after sprinkler irrigation. We can irrigate maximum area in short time. Under water scarcity condition to improve water use efficiency adapt the AIM. According to crop, which helps in water saving as well as improve soil fertility. AIM increases the productivity up to 100% with good quality of product over traditional method.</p> <p>agrometeorological department forecast the above average rainfall during this year. Accordingly it is necessary to remunerate channels, wells and form ponds. It is necessary to try maximum rain water harvesting and avoid runoff losses by using soil and water conservation methods.</p>

Source:



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- 1) Weather Forecast : RMC, Mumbai  
2) Last week weather summary : IMD Observatory, WMP, MPKV, Rahuri.

**Place : MPKV, Rahuri**

**Date : 13.05.2021**

**Sd/-**  
**Nodal Officer, GKMS,**  
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