



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 28.06.2022
District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (22.06.2022 to 28.06.2022)							Weather Parameters	Weather Forecast (28.06.2022 to 02.07.2022)				
22	23	24	25	26	27	28	Date	29	30	1	2	3
0.0	2.4	1.6	0.4	0.0	0.1	1.0	Rainfall (mm)	30	46	51	45	38
29.3	31.9	30.6	31.0	31.7	31.6	29.0	Max. Temp. (0C)	30	31	30	30	32
23.3	23.1	22.8	23.7	24.5	24.1	22.8	Min. Temp. (0C)	24	23	22	22	23
							Cloud Cover	8	8	8	8	8
81	97	78	74	73	73	88	Max. RH (%)	83	81	82	82	83
71	60	84	52	55	84		Min. RH (%)	57	57	67	69	71
5.5	3.2	2.0	2.9	5.3	4.8	4.5	Wind Speed(km/hr)	21	22	21	23	23
							Wind direction (deg)	248	248	248	248	248

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 some (scattered) places on dt. 28 th & 29 th June, 2022 and at many (fairly wide spread) places on dt. 30 th June, 2022, 01 st & 02 nd July, 2022 in the district. Warning : According to forecast given by India Meteorological Department there is possibility of heavy rainfall at isolated places in ghat region of the district on dt. 28 th & 30 th June, 2022.
Extended Range Forecast (ERFS)		As per ERFS products during 03 rd to 09 th July, 2022 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • 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. • Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain. • 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. • Preparatory tillage operations for kharif season should be completed and checkout the availability of improved and certified seeds along with other required farm inputs. The rainfall received should be percolated and saved

		<p>in the farm itself by various water harvesting and conservation techniques.</p> <ul style="list-style-type: none"> • Farmers should not hurry for sowing activity. Sowing of kharif crops can be done till 15th July. It is better to do sowing only after sufficient amount of rainfall has been occurred and received. • While purchasing bio fertilizers for seed treatment precautions should be taken to see the expiry date on the packet and select the specific packet for the specific crop. The bio fertilizers application to the crop should be as complimentary to the use of chemical fertilizers as the quantity of these fertilizers can be minimized.
The kharif season	Preparatory operations	<p>Farmers should start for selection of which crops to be cultivated, which variety to be selected, the field which is to be selected for sowing and likewise all management aspects should be considered. Improved and hybrid seeds should be made available from Govt. machinery or Agril. University. The preparatory tillage operations like one ploughing for coming kharif season should be carried out followed by 2 harrowing, mix Compost as per requirement and availability before last harrowing which will help in better mixing of compost in soil.</p>
Precautions to be taken while purchasing of seeds :		<p>The seeds should be purchased from authorized dealers who has registered and licence shop. The sealed bags with authentic label on which all the details of the seeds with minimum standardization should be purchased. The seeds purchased should be within date of expiry. The bill should have all the details such as crop, variety, complete lot no., weight, seed company name, name and address of customer, dealers name and sign etc. If the seeds from previous year are to be used for sowing then its germination percentage should be checked.</p>
Paddy	Preparatory preparation / Nursery sowing	<p>Ten R (guntha) area is sufficient for one hectare seedlings. Improved and hybrid seeds should be made available from Govt. machinery or Agril. University for nursery beds. While preparing nursery beds the height should be kept 15 cm (raised beds) with width 1 meter and length as per requirement. Mix cow dung manure 250 kg per guntha area. Before sowings seeds soak the seed in solution prepared from 300 gm salt in 10 lit. of water for 20 minutes and then dry them and use for sowing. Before sowing apply 2.5 gm per kg seed with carbendanzim or thiaran/ capton fungicide. After that apply azotobactor, phosphorus solubilizing bacteria and azospirillum biofertilizer 250 gm per 10 kg of seed as seed treatment.</p>
Sugarcane	Growth Stage	<p>Adults of White grub gather on Acacia, Neem, Ber trees in evening after the pre-monsoon showers. Firstly the female and then male adult comes out of the soil and gather over the trees. They feed on leaves of these trees. Collectively during night period shake the branches of these trees due to which adults may fall on ground. Collect these adults and destroy them in kerosene mixed water. Drip irrigation water management system should be adopted for sugarcane crop. Irrigate alternate rows and apply sugarcane trash as mulching.</p>
Onion	Storage stage	<p>The harvested onion dried in shade should be graded and stored in storage shed. The shed should be sprayed with fungicide from all the sides and floor.</p>
Mango	Harvesting stage	<p>The newly planted mango plants should be protected from wind by giving support of sticks. For control of fruit fly use methyl usenol coated 8-10 traps per acre. Harvest the matured fruits and store them at safe place for ripening.</p>
Banana		<p>As per requirement give support of bamboo sticks or polypropelene sticks to the plants and banana bunch which is big. The suckers at the base of banana trunk should be cut and destroyed at regular intervals also the dried and</p>

		infected leaves should be cut and destroyed to keep the orchard clean.
Animal Management		For control and prevention of diseases all animals should be given medicine and vaccination in consultation with veterinary doctor. Vaccinate cattles for foot and mouth disease, black quarter and diphtheria diseases.
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 : 28.06.2022

Sd/-

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