



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, DISTRICT AGROMET UNIT, KRISHI VIGYAN KENDRA, MOHOL, SOLAPUR.



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418) Weather based Agromet Advisory committee meeting dated 28.06.2024

District: Solapur

Last Week Weather Summary (22.06.2024 to 28.06.2024)							Weather Parameters	Weather Forecast (29.06.2024 to 03.07.2024)				
22	23	24	25	26	27	28	Date	29	30	01	02	03
0.0	0.0	40.3	0.2	0.0	3.0	--	Rainfall (mm)	14.0	7.0	9.0	5.0	6.0
33.8	35.0	35.4	33.4	34.0	33.4	--	Max. Temp. (°C)	31.0	33.0	33.0	33.0	33.0
24.2	24.6	22.8	23.6	23.9	24.0	--	Min. Temp. (°C)	23.0	23.0	22.0	22.0	22.0
Partially Cloudy	Cloudy	Partially Cloudy	Cloudy	Partially Cloudy	Partially Cloudy	--	Cloud Cover	Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky
88	86	87	86	86	88	--	Max. RH (%)	86	81	82	81	81
63	54	73	60	73	86	--	Min. RH (%)	69	55	57	59	55
3.7	1.9	3.7	3.7	3.7	5.6	--	Wind Speed(km/hr)	26.0	26.0	28.0	31.0	33.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
	Weather Summary	<p>According to the forecast given by the Regional Meteorological Centre, Mumbai, of the India Meteorological Department, there is a possibility of cloudy sky from 28th June to 03rd July 2024. During dt. 28th June to 03rd July 2024, there is a possibility of light to moderate rainfall at isolated places in the district.</p> <p>During next five days maximum temperature will remain nearby 31°C to 33°C, while minimum temperature will remain nearby 22°C to 23°C. Morning relative humidity will remain between 81 to 86% and afternoon relative humidity will remain 55 to 69%. Wind speed will remain up to 26 Km/h to 33 km/h.</p>
	Extended Range Forecast (ERFS)	<p>As per ERFS products during July 03rd to 09th July, 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"> ➤ In areas where there has been sufficient rainfall for sowing, considering the soil moisture, kharif crops should be sown when the soil at wapasa condition. ➤ Pre-sowing works should be started for kharif planning. (Checking of germination capacity, checking of soil nutrients, planning of quality and certified seeds, tillage) ➤ For protection from rains the stored grains 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 download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening.
	SMS Advisory	In areas where there has been sufficient rainfall for sowing, considering the soil moisture, kharif crops should be sown when the soil at wapasa condition.
Sugarcane		Sowing of Adsali Sugarcane should be done during 15th July to 15th August. For



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		<p>sowing of sugarcane soil should be medium to heavy having pH 7.5 to 8.0. Selection of varieties: CO-86032 (Nira), COM- 0265(Phule-265), COVSI-9802 (Sharad-1), VSI- 12121 (VSI-08005), CO-419, CO-740, COM-88121 (Krushna). For planting of Sugarcane with sets select 9 to 10 month old healthy, genetically pure sugarcane sets.</p>
Pigeon pea	Sowing	<p>Sowing Time: Sowing of Pigeon Pea crop should be done up to 10th July. In areas where there has been sufficient rainfall for sowing, considering the soil moisture, crops should be sown when the soil at wapasa condition.</p> <p>Selection of varieties: Phule Trupti, PDKV Ashlesha, Renuka, Phule Rajeshwari, BSMR-853, BSMR-736, BDN-711, BDN-716, Godavari, Bhima.</p> <p>Seed treatment: Before sowing seed should be treated with 4 gm of carboxyl 37.5% + Thiram 37.5% WHC per kg of seed. After that 250 gm of Rhizobium and P.S.B. culture rub 10 kg of seeds in cold jaggery solution. Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p> <p>Intercropping: Pigeon Pea is mostly taken as an intercrop. Pigeon Pea + Pearl millet (1: 2), Pigeon Pea + sunflower (1: 2), Pigeon Pea + soybean (1: 3), Pigeon Pea + Sorghum (1: 2 or 1: 4), Pigeon Pea + Cotton (1: 6/1: 8), Pigeon Pea + Groundnut, Pigeon Pea + Mug (1: 3), Pigeon Pea + Black Gram (1: 3).</p> <p>Fertilizer Dose: Apply 25 kg N and 50 kg P2O5 per hectare at the time of sowing.</p>
Soybean	Sowing	<p>Sowing Time: Sowing of Soyabean crop should be done up to 15th July. In areas where there has been sufficient rainfall for sowing, considering the soil moisture, crops should be sown when the soil at wapasa condition.</p> <p>Selection of Variety: JS-335, MAUS-1188, Phule Kalyani (DS-228), JS-9305, JS-9560, Phule Agrani, (KDS 344), Phule Durva (KDS 992), Phule Sangam (KDS 726), Phule Kimya (KDS 753) MAUS-158, MAUS-612, MAUS- 162 and planning of quality and certified seeds. Sowing of Kharif crops should be done after receiving sufficient amount of rainfall.</p> <p>Seed Rate: for continuous sowing 75-80 kg per hectare and for dibbling method use 45-50 kg seed per hectare.</p> <p>Seed treatment: To protect against soil borne diseases, apply thiophenate methyl 50 gm per liter + pyraclostrobin 50 gm FS per liter or azoxystrobin 2.5% + 11.25% + thiomethoxam 30% FS. Seed treatment should be done at the rate of 10 ml per 10 kg of seed so that the crop will be protected from stem fly at seedling stage. Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p> <p>Intercropping: Take soybean + Pigeon Pea (3: 1).</p> <p>Fertilizer Dose: Soybean crop should be given 50 kg Nitrogen, 75 kg Phosphorus and 45 kg Potassium at the time of sowing. Fertilizers should be mixed in the soil before sowing, or fertilizers and seeds should be sown at the same time.</p>
Green gram	Sowing	<p>In areas where there has been sufficient rainfall for sowing, considering the soil moisture, crops should be sown when the soil at wapasa condition.</p> <p>Selection of Varieties: Green Gram: Vaibhav, PKV AKM-4, BM2003-2, BM2002-1, BPMR-145, Utkarsha and Phule Chetak, Phule Suvarn (late sown), suitable for kharif seasons.</p>



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		Seed Rate: 15 to 20 kg/ hectare
Black gram	Sowing	<p>In areas where there has been sufficient rainfall for sowing, considering the soil moisture, crops should be sown when the soil at wapasa condition.</p> <p>Selection of Varieties:</p> <p>Black gram: PKV Black Gold (AKU 10-1), ANUL-7 (Vishwas), Phule Vasu and Phule Rajan planning of quality and certified seeds. Sowing of Kharif crops should be done after receiving sufficient amount of rainfall.</p> <p>Seed Rate:15 to 20 kg/ hectare</p>
Maize	Sowing	<p>Sowing Time: Sowing of Maize crop should be done up to 15th July. In areas where there has been sufficient rainfall for sowing, considering the soil moisture, crops should be sown when the soil at wapasa condition.</p> <p>Selection of Varieties:</p> <p>Late maturing varieties (100 to 110 days): Bio-9681, H.Q. P. M. -1, H.Q. P. M. -5, Sangam, Kuber.</p> <p>Medium maturing varieties (90 to 100 days) : Rajarshi, Bio-9637, Phule Maharshi, Phule Umeed and Phule Champion</p> <p>Early (80 to 90 days) to very early maturing varieties (70 to 80 days): Pusa Hybrid Maize-1, Vivek Hybrid Maize-21, Vivek Hybrid Maize-27, Maharaja.</p> <p>Sweet corn Maize Varieties: Phule Madhur.</p> <p>Seed Treatments: Apply 2 to 2.5 gm of Thyrum per kg of seed before sowing. Also use Azatobacter before sowing.</p> <p>Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p> <p>Fertilizer dose: 40 kg N, 60 kg P₂O₅, 40 kg K₂O per hectare at the time of sowing, 40 kg N 30 days after sowing, 40 kg N per hectare 40-45 days after sowing.</p> <p>Micronutrients: In case of zinc deficiency in the soil, apply 20 to 25 kg zinc sulphate per hectare.</p>
Sunflower	Sowing	<p>Selection of Varieties: Improved varieties-Phule Bhaskar, Modern and Bhanu</p> <p>Hybrid varieties-KBSH-1, LSFH-171, LSFH-35, LSFH-08, KBSH-44, Phule Raviraj, MSFH-17</p> <p>Seed Rate: Selection of Varieties 08 to 10 kg/ hectare & Hybrid varieties 05 to 06 kg/ hectare</p> <p>Seed treatment: For prevention of Kevada disease in sunflower rub seed per kg with 6 gm of Metalaxyl 35 WS. Also apply Thiamethoxam 30% FS 10 ml per kg of seed for prevention of necrosis. Then apply Azotobacter 25 gm / kg seed before sowing.</p> <p>Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p>
Animal Management		<p>Selection of Variety for sowing of following fodder crop for Kharif season :</p> <p>Sorghum: Ruchira, Phule Amruta, Maldandi 35-1, Phule Godhan</p> <p>Maize: African Tall, Manjari Composit, Vijay, Ganga Safed</p> <p>Hybrid Napier Grass: Phule Jayvant, Phule Gunvant</p> <p>Carry out vaccination to animals for prevention of diseases like Foot and Mouth Disease, Black Quarter and Hemorrhagic Septicemia. Always give clean and cold drinking water to animals. For control and prevention of disease animals should be given vaccine and medicine in consultation with veterinary doctor.</p>



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Source

- 1) Weather Forecast : Research Section, Mumbai.
- 2) Last week weather summary : Zonal Agriculture Research Station, Solapur.

Place : Krishi Vigyan Kendra, Mohol.

Date : 28th June 2024

Sd/-

**Nodal Officer, DAMU, Krishi Vigyan Kendra, Mohol,
Solapur.**