



AGROMET ADVISORY BULLETIN

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



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217) Weather based Agromet Advisory committee meeting dated 28.06.2022

District: Solapur

Last Week Weather Summary (22.06.2022 to 28.06.2022)							Weather Parameters	Weather Forecast (29.06.2022 to 03.07.2022)				
22	23	24	25	26	27	28	Date	29	30	01	02	03
52.8	0.0	1.0	0.0	12.8	0.4	1.4	Rainfall (mm)	15.0	20.0	20.0	10.0	5.0
33.0	32.8	33.2	33.8	32.4	31.9	30.0	Max. Temp. (°C)	34.0	35.0	33.0	32.0	35.0
23.3	24.2	24.2	24.0	23.6	23.6	22.1	Min. Temp. (°C)	21.0	22.0	21.0	21.0	22.0
Cloudy	Cloudy	Partially Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloud Cover	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
65	64	66	64	66	66	84	Max. RH (%)	74	74	75	75	74
65	44	44	41	65	64	--	Min. RH (%)	46	48	57	54	55
1.9	3.7	3.7	3.7	3.7	3.7	9.7	Wind Speed(km/hr)	24.0	24.0	26.0	27.0	27.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to forecast given by Regional Meteorological Centre Mumbai, has indicated that there is possibility of light to moderate rainfall at isolated places during date 28th June to 03rd July 2022 in the Solapur district.</p> <p>During next five days maximum temperature will remain nearby 32°C to 35°C, while minimum temperature will remain nearby 21°C to 22°C. Morning relative humidity will remain between 74 to 75 % and afternoon relative humidity will remain 46 to 55 %. Wind speed will remain up to 24 Km/h to 27 km/h.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS product during 29th June to 05th July 2022 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur and Kolhapur) division.</p> <ul style="list-style-type: none"> ➤ Rainfall may above normal. ➤ Maximum temperature may below normal. ➤ Minimum temperature may normal.
General Advisory		<ul style="list-style-type: none"> ➤ Pre-sowing works should be started for kharif planning. (Checking of germination capacity, checking of soil nutrients, planning of quality and certified seeds, tillage) ➤ If farmers are using their own seed of Soybean for sowing. Carry out germination test of Soybean seed. ➤ Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. Also, farmers should download of Damini mobile app and make use for lightning and thunderstorm warning and forecasting.
SMS Advisory		<p>Land preparatory operations should be done so as to keep the field ready for sowing. Sowing should be done only after good rainfall is received (75-100 mm in 2-3 days).</p>
Soybean	Sowing preparation	<p>Selection of Variety: JS-335, MACS-1188, Phule Kalyani (DS-228), JS-9305, JS-9560, KS-103, Phule Agrani, (KDS 344), Phule Durva (KDS 992), Phule Sangam (KDS 726), MAUS-158, MAUS-612 and Samrudhi (MAUS-71)</p>



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		<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% + thiophanate methyl 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.</p> <p>Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p>
Pigeon Pea	Sowing preparation	<p>Selection of varieties: Vipula, Phule Rajeshwari, BSMR-853, BSMR736, BDN-711, BDN-716 and PKV Tara.</p> <p>Seed Rate: Sowing of medium term Rajeshwari, Vipula and BDN-711 varieties 12 to 15 kg seed per hectare is sufficient. 5 to 6 kg seed per hectare is sufficient for late arrival and long distance sowing varieties.</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.</p> <p>Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p>
Green Gram & Black Gram	Sowing preparation	<p>Selection of Varieties: Vaibhav, PKV AKM-4, BM2003-2, BM2002-1, BPMR-145, Utkarsha and Phule Chetak suitable for kharif seasons.</p> <p>Black gram: BDU-1 and TAU-1</p> <p>Seed Rate: 15 to 20 kg/ hectare</p> <p>Seed Treatments: Before sowing, apply 5 gm of Trichoderma powder per kg of seed and then mix 25 gm of Rhizobium bacterial powder in cold jaggery water. Rhizobium bacterial culture of Chawli group should be used for seeds of green gram and urad. Trichoderma controls fungal diseases. Rhizobium increases the availability of nitrogen by increasing nodules on roots.</p> <p>Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p>
Maize	Sowing preparation	<p>Method of sowing: Token</p> <p>Token spacing: 75 cm x 20 cm - for late and medium varieties : 60 cm x 20 cm - for short duration varieties</p> <p>Seeds: 15 to 20 kg per hectare</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>
Sunflower	Sowing preparation	<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 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>



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Groundnut	Sowing preparation	<p>Selection of Variety: SB-11, JL-24 (Phule Pragati), TAG-24, TG-26, JL-501, Phule Unnati, JL-776 (Phule Bharti), KDG-123 (Phule Morna), KDG-128 (Phule Warna) and JL-1085 (Phule dhani).</p> <p>Sowing time: 15th June to 15th July</p> <p>Seed Rate: Groundnut variety wise seed per hectare should be used as follows. 100 kg: SB-11, T.A.G. -24, TG-26, JL-501 120 to 125 kg: Phule Pragati, Phule Unnati, Phule Bharati, Phule Warna, Phule Morna.</p> <p>Seed Treatments: Apply 5 gm of Thyrum or 2 gm of Carbendism or 3 gm of Mancozeb or 5 gm of Trichoderma biological fungicides per kg of seeds before sowing to protect the crop from seed borne and seedling diseases. Then apply 25 g of Rhizobium and 25 g of phosphorus soluble bacterial enhancer (solid or liquid) per kg of seed. Seed treated seeds should be dried in the shade and sown..</p> <p>Seed treatment should be done first with fungicide, then with pesticide and lastly with Bio-fertilizer.</p>
Sugarcane	Earthing up	<p>Apply fertilizer to late planted Suru Sugarcane crop at the time of earthing up. Apply Nitrogen 100kg (Urea 217 kg), 55kg Phosphorus (344 kg Single Super Phosphate) and 55 kg Potash (92 kg Murate of Potash) at the time of earthing up.</p> <p>White grub: Adults comes together on Acacia, Neem and Ber trees at the time of evening after first shower of rain. First female adults and then male adults come out of the soil. They eat leaves of these trees. During night period shake the branches of these trees due to which adults falls on ground. Collect these adults and destroy them in kerosene mixed water.</p>
Nursery preparation		Carry out the sowing of Onion, Brinjal, Tomato, Chill by sowing seeds on raised beds for preparation of nursery plants if assured irrigation facility is available.
Pomegranate	BAHAR: Mrig flowering and fruit setting	If orchard has bacterial blight history; take spray of Streptocycline (Streptomycin sulphate 90% + tetracycline hydrochloride 10%) @ 0.5 g/L once a month and at 7-10 days' interval from Bronopol. Avoid too many sprays, take an additional spray of Streptocycline + Copper based fungicide after rain
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.</p>

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 2022

Sd/-

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



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