



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR

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Weather based Agromet Advisory committee meeting dated 28.06.2022

District: KOLHAPUR

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
8	12.8	2.4	0	6.6	3.6	3.8	Rainfall (mm)	35	50	55	45	35
29.5	28.5	27.5	29.8	27.2	27.8	26.5	Max. Temp. (°C)	31	32	28	28	30
22	20.2	19.5	19.4	19.2	21	21.4	Min. Temp. (°C)	22	22	22	21	22
7	7	7	7	7	8	8	Cloud Cover	8	8	8	8	8
6	8	7	7	8	7	-						
96	96	98	91	98	93	94	Max. RH (%)	87	88	91	90	90
81	84	90	96	92	92	-	Min. RH (%)	68	66	84	80	76
0.4	0.4	0.7	1.3	0.8	0.7	0.8	Wind Speed(km/hr)	18	19	17	18	20
N	NE	NE	NE	WSW	ENE	ESW	Wind Direction	WSW	WSW	WSW	WSW	WSW
NE	SSE	NE	SSE	SW	NNE	-						
Rainfall previous week (mm)				Rainfall since 01.01.2022 (mm)			Rainy days since 01.01.2022					
37.2				217			17					

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		<p>Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is possibility of cloudy sky from 29th June to 3rd July and possibility of moderate rainfall at fairly widespread places from 29th June to 3rd July in Kolhapur district. During next 5 days Maximum temperature will remain nearby 28.0 to 32.0°C while minimum temperature will remain nearby 21.0 to 22.0°C. Morning relative humidity will remain between 87 to 91% and Afternoon relative humidity will remain 66 to 84%. Wind speed will remain up to 17 to 20 km/hr.</p> <p>According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain normal, maximum temperature will remain below normal and minimum temperature will remain normal valid from 29th June to 5th July, 2022.</p> <p>Weather warning: Heavy rainfall very likely to occur at isolated places in Ghat areas of Kolhapur on 29th and 30th June.</p>
General Advisory		<ul style="list-style-type: none"> ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. ➤ Farmers should carry out sowing at vafasa condition in Ajara, Bhudhargad, Chandgad, Gadhinglaj, Radhanagari, Gaganbawada, Karveer, Panhala and Shahuwadi tahsil. ➤ The farmers from Hatkanangale and Shirol tahsil should carry out sowing only when 70 to 100 mm rainfall receives.
SMS Advisory		<ul style="list-style-type: none"> ➤ Isolated heavy rainfall very likely to occur in the ghat areas of Kolhapur on 29th and 30th June thus farmers should take care of themselves and their cattle's.
Rice	Nursery preparation	<ul style="list-style-type: none"> ➤ Start the preparation of raised beds for nursery preparation for cultivation of rice in <i>Kharif</i> season. For sowing prepare raised bed of Size 1m wide, 15 cm height and length as per requirement. For 1 hectore sowing nursery of 10 R is sufficient. While preparation of raised beds well mix 250 kg FYM and 500 gram Nitrogen, 400 gram Phosphorus and 500 gram per R in soil. ➤ Use following varieties of Rice for cultivation in Kharif season ➤ Early: Karjat-184, Ratnagiri-1, Karjat-4, Phule Radha ➤ Midlate: Phule Samruddhi, Late: Ratnagiri-2, Karjat-2, Flavored: Basmati-370, Indrayani, Bhogawati, Sugandha, Hybrid: Sahyadri-1, Sahyadri-4, Sahyadri-5.
Maize	Sowing	<ul style="list-style-type: none"> ➤ Carry out sowing of Maize crop if sufficient moisture present in soil. Following varieties should be selected for sowing.



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		<ul style="list-style-type: none">➤ Very Early maturing:- Vivek-9, Vivek-21, Early maturing:- Panchganga, Prakash, Kiran, Midlate:Karvir, Manjari, Navjyot and Late maturing: Prabhat
Finger Millet	Nursery Preparation	<ul style="list-style-type: none">➤ Start preparation of Finger millet nursery.➤ Start the preparation of Raised beds of 1 to 1.5 m width and 8 to 10 cm height and length of bed according to slope. Apply FYM @ 3 kg per square meter and apply 1kg of Urea per R (Guntha). Sowing of seeds should be carried out on raised beds at 7 to 8 cm distance in lines, sowing should be done at 1 to 2 cm depth and cover the lines with soil. Give 1kg of Urea @ 1 R after 15 days of sowing of seed. For cultivation of 1 acre of Rice nursery on area of 2 to 3 R is sufficient.➤ Use Improved varieties: Phule Nachani, Phule Kasari.
Groundnut	Sowing	<p>Collect the seeds of following varieties of groundnut for sowing in kharif season</p> <ul style="list-style-type: none">➤ S.B.11, J.L.-24 (Phule Pragati), T.A.G.-24, J.L.-501, Phule Unnati, Phule Morana, Phule Varana➤ Intercropping: In kharif Groundnut crop for good profit take Soybean, Sunflower, Green Gram and Black Gram as intercrop with 6:2 ratio, Groundnut + Sorghum 1:1 ratio. Take Groundnut + Soybean (4:1) as intercrop if 2 rows of castor sown around the crop then it will help in controlling of leaf eating caterpillar.➤ Seed treatment: To protect crop from seed borne diseases apply 5 gram Trichoderma biological fungicide for 1 kg of seed then apply 25 gram rhizobium and 25 gram Phosphorus solubilising bacterial culture and dry it under shade.
Soybean	Sowing	<ul style="list-style-type: none">➤ Select varieties of Soybean like <i>Phule Kimaya</i> (KDS 753), <i>Phule Sangam</i> (KDS 726), <i>Phule Agrani</i> (KDS 344), <i>Phule Kalyani</i> (DS 228)➤ For drilling 75 to 80 kg/ha seed requires while for dibbling 45 to 50 kg of seed requires.➤ To protect crop from fungal diseases apply 4 gram Trichoderma biological fungicide for 1 kg of seed. After fungicidal seed treatment carry out seed treatment of Thiamethoaxam 34%S.F.@ (10ml/kg of seed) which will protect the crop from further attack of Stem fly.➤ Intercrop: In Soybean crop red gram can be taken as intercrop at 3:1 ratio.➤ Give fertilizer dose on Nitrogen @ 50 kg, Phosphorus @ 75kg and Potash 45 kg per hectare at the time of sowing of Soybean crop. Apply fertilizers by mixing before sowing or give fertilizers at the time of sowing with two bowl seed drill.
Sugarcane	Growth	<ul style="list-style-type: none">➤ Use light traps for control of White grubs.➤ Keep the sugarcane field weed free.
Animals	Growth	<ul style="list-style-type: none">➤ Carry out vaccination to animals for prevention of diseases like Foot and Mouth Disease, Black Quarter and Hemorrhagic Septicemia.➤ During rainy season care should be taken that the flowing rainwater should not enter into the drinking water tank of cattles. Drinking water tanks should be cleaned regularly and should be applied lime

Source:

- 1) Weather Forecast
- 2) Last week weather summary

: Research Section, Mumbai
: IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Date : 28.06.2022

Sd/-
**Nodal Officer, GKMS, &
Associate Director of Research,
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