



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR

ZONAL AGRICULTURAL RESEARCH STATION, SHENDA PARK, KOLHAPUR



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Weather based Agromet Advisory committee meeting dated 08.10.2024

District: SATARA

Last Week Weather Summary (02.10.2024 to 08.10.2024)							Weather Parameters	Weather Forecast (9.10.2024 to 13.10.2024)				
02	03	04	05	06	07	08	Date	09	10	11	12	13
-	-	-	-	-	-	-	Rainfall (mm)	10	16	20	25	12
-	-	-	-	-	-	-	Max. Temp. (°C)	33	34	33	33	32
-	-	-	-	-	-	-	Min. Temp. (°C)	22	22	23	23	23
-	-	-	-	-	-	-	Cloud Cover	7	7	8	8	6
-	-	-	-	-	-	-	Max. RH (%)	85	87	83	85	86
-	-	-	-	-	-	-	Min. RH (%)	64	62	61	61	60
-	-	-	-	-	-	-	Wind Speed(km/hr)	8	5	6	8	12
-	-	-	-	-	-	-	Wind Direction	SSE	ESE	ESE	E	E

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of generally cloudy sky from 9th to 13th October in Satara district. There is forecast of light rainfall at scattered places on 9th and 13th October and forecast of light rainfall at isolated places on 10th, 11th and 12th October in Satara district. During next 5 days Maximum temperatures will remain nearby 32.0 to 34.0°C and minimum between 22.0 to 23.0°C respectively. Morning relative humidity will remain nearby 83 to 86% and Afternoon relative humidity will remain 60 to 64%. Wind speed will remain from 05 to 12 km/hr. According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal, maximum temperature will remain normal and minimum temperature will remain normal valid from 9 th to 15 th October, 2024
Weather warning		➤ Thunderstorm accompanied with lightning, light to moderate rainfall & gusty winds reaching 30-40 kmph very likely to occur at isolated places in the districts of Satara on 8th, 9th, 10th and 11th October
General Advisory		<ul style="list-style-type: none"> ➤ There is possibility of increase in maximum temperature thus farmers should take care of themselves and their cattles. ➤ Carry out spraying of Insecticide and fungicides only if there is no rainfall and wind speed is low or calm condition. Use sticker while spraying. ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. <p>Care should be taken by farmers during thunderstorm and lightening</p> <ul style="list-style-type: none"> ➤ If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open. ➤ Keep animals away from open water, pond or river. ➤ Keep animals away from tractors and other metal farm equipment. ➤ Cover the harvested produce (if in the field) with polythene sheet. ➤ Avoid contact with electrical equipment or cords. ➤ Don't allow your animals to congregate under trees.
SMS Advisory		➤ As there is forecast of light to moderate rainfall carry out harvesting of mature crop like Soybean, Groundnut, <i>Kharif</i> Sorghum and Pearl millet and keep the harvested produce at safe place.
Rice	Flowering to grain filling	➤ According to growth stages of paddy crop water level in rice should maintain 10 cm during flowering stage to grain filling stage
Rabbi	Sowing	➤ Carry out sowing of rabbi sorghum at vafasa condition in soil at 5 cm depth upto 15 th October



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Sorghum		<ul style="list-style-type: none">➤ Spacing :45x15cm,➤ Seed treatment: Apply 4 gram Sulphur (300 Mesh) and 25 gram Azatobactor and P.S.B. Culture to per kg of seed.➤ Fertilizer Dose: Medium Soil give fertilizer dose of N:P:K 40:20:00 kg per hector out of which ½ Dose of Nitrogen and Full dose of Phosphorus should be given at the time of sowing.
Pearl Millet	Grain filling to maturity	<ul style="list-style-type: none">➤ Carry out harvesting of early sown and matured crop and keep the harvested produce at safe place as there is forecast of rainfall.
Chick Pea	Presowing	<ul style="list-style-type: none">➤ Collect the inputs required for sowing of rabbi chickpea and Carry out sowing of rainfed chickpea during 20th September to 10th October at sufficient moisture condition (vafasa) in soil.➤ Use Vijay, Digvijay, Phule Vikram and Phule Vishvaraj varieties for sowing.➤ Seed treatment: Treat the seeds Trychodarma Harjiyanam 1.0% W.P. 6 gram per kg of sees for prevention from Neck rot and root rot then trat the seeds with 250 gram Rayzobium and P.S.B. per 10 kg of Seeds by mixing in cold Jaggary solution. Dry this treated seed under shade almost for 1 hour and then carry out sowing.➤ For control of Gram Pod borer through Integrated Pest Management carry out sowing of 200 gram of Sorghum by mixing in Chick Pea.
Soybean	Maturity	<ul style="list-style-type: none">➤ Harvesting of Soybean should carry out after pods gets yellowish red colour and after completion of 90 to 110 days from sowing as per the maturity of crop variety. If harvesting delays pods breaks and seeds gets shattered in field. Harvesting should carry out nearer to ground with help of sharp sickle.
Groundnut	Maturity	<ul style="list-style-type: none">➤ Groundnut leaves turns yellow, shell of pods become tough and inner side of shell gets blackish colour after attaining maturity. Carry out harvesting of matured crop. Harvested pods should be dried under sunlight as soon as sunlight gets available then store dried pods at dry and safe place. Do not store pods in wet and humid place.
Sugarcane	Growth	<ul style="list-style-type: none">➤ Apply Urea @110 kg per hector which is 10% of Nitrogen dose means 50 kg Nitrogen per hector of the total recommended dose (500:200:200 kg Nitrogen: Phosphurus:Potash) for Co. 86032 (Nira) variety. Use 40 kg Nitrogen i.e. 87kg Urea per hector to other varieties of Sugarcane.
Brinjal	Flowering to fruit development	<ul style="list-style-type: none">➤ Due to increase in day temperature there is possibility of increase incidence of Egg plant fruit and shoot borer (EFSB) thus to control spray the crop with 5% Neem seed Kernal Extract or Spinosad 45%S.C. @ 4 ml per 10 liters of water.➤ Use 40 Pheromone traps (Funnel type) @40 per acre.
Animals	Growth	<ul style="list-style-type: none">➤ Do not allow animals for grazing during warning period.➤ Due to increase in Tmax the animals should be kept under shade. Give sufficient, pure and cool drinking water to animals.➤ If deworming is completed then carry out vaccination for prevention of Foot and Mouth disease from authentic skilled veterinarian

Source:

1) Weather Forecast : Research Section, Mumbai

Place : ZARS, KOLHAPUR

Date : 08.10.2024

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