



AGROMET ADVISORY BULLETIN

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



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137) Weather based Agromet Advisory committee meeting dated 21.09.2021

District: Solapur

Last Week Weather Summary (15.09.2021 to 21.09.2021)							Weather Parameters	Weather Forecast (22.09.2021 to 26.09.2021)				
15	16	17	18	19	20	21	Date	22	23	24	25	26
0.0	0.0	0.0	0.0	0.0	0.0	37.8	Rainfall (mm)	25.0	25.0	14.0	5.0	9.0
33.4	33.6	33.1	33.2	33.9	34.6	34.2	Max. Temp. (°C)	33.0	32.0	31.0	32.0	32.0
20.6	20.6	21.6	20.7	21.6	22.5	21.2	Min. Temp. (°C)	21.0	21.0	22.0	22.0	22.0
Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Cloudy	Cloud Cover	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
87	72	85	75	76	74	97	Max. RH (%)	88	89	90	89	89
59	47	56	46	48	46	84	Min. RH (%)	56	62	64	61	57
3.7	3.7	8.6	6.4	5.1	3.8	4.8	Wind Speed(km/hr)	15.0	14.0	10.0	10.0	10.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to forecast given by India Meteorological Department, there is possibility of rainfall at Few places (Scattered) during dt. 21st September to 23rd September 2021 and there is possibility of rainfall at Isolated places during dt. 24th September to 26th September 2021 in the district.</p> <p>Maximum temperature will be 31°C to 33°C; Minimum temperature will be 21 °c to 22 °c and wind speed will be from 10 km/h to 15 km/h.</p> <p>Warning: Isolated places in the district may experience thunderstorm accompanied with lightening, and heavy rainfall on dt. 21th September 2021 in the district.</p>
ERFS		As per ERFS product maximum temperature may be normal, minimum temperature may be normal and rainfall may be above normal in Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur and Kolhapur) during 26 th September to 02 nd October 2021.
General Advisory		<ul style="list-style-type: none"> ➤ As there is possibility Thunderstorm accompanied with lighting and heavy rainfall proper precaution should be taken by farmers of themselves and the cattle's and animals should be kept at safe place. ➤ As rainfall is forecasted carry out harvesting of matured kharif crops within time and keep harvested produce at protected place. ➤ The spraying of pesticide, insecticide should be done considering the forecasted rain and preferably, when there is no rain. ➤ Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc. ➤ 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.
SMS Advisory		As rainfall is forecasted carry out harvesting of matured kharif crops within time and keep harvested produce at protected place.
Pigeon Pea	Branching to	In pigeon pea if the infestation of Sterility mosaic disease observed then remove the



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	Flowering Stage	infected plants and destroy it. Or Spray the crop with 2 ml fenazaquin 10 EC per lit of water. Install pheromone traps @ 5/ha at a distance of 50m for monitoring of pod borer (<i>Helicoverpa armigera</i>). During flowering stage of pigeon pea crop, spray of 5% NSKE or Azadiractine 0.03% (300 ppm) 5 ml per liter of water as a precautionary measure.
Soybean	Pod Development and Harvesting	Due to current cloudy weather condition if leaf-eating caterpillar (<i>Spodoptera</i>) infestation reached the level of economic loss. Spray S.L.N.P.V. 500 LE or Indoxacarb 15.8% EC 6.6 ml in 10 liters of water in a clean and clear weather. The caterpillar become infected and dies from the use of <i>Nomuria relayi</i> fungus. Harvesting should be done of timely sown crop and keep harvested produce at protected place.
Maize	Tasseling and Silking	Cob Borer: For prevention of infestation spread <i>Trichogramma chilonis</i> egg parasitoids in the field at silking stage. If infestation of American Fall Army Worm observes then carry out spraying of one of the insecticide mentioned below. Chlorantraniliprole 18.5% SC insecticide @ 0.4 ml per litre of water. Or Spinetoram 11.7% SC @0.5 ml per litre of water. Or Emamectin Benzoate 5% SG @0.4 gram per litre of water.
Sugarcane	Growth stage	If Sugarcane Sets treatment has not been done at the time of planting, 60 days after planting 1 liter of liquid <i>Acetobacter</i> bacteria per hectare mix in 500 liters of water and spray in the morning and mix 1.25 kg of phosphorus dissolving bacteria in 100 kg of compost manure.
Pearl millet	Harvesting	Harvesting should be done of timely sown Pearl millet crop and keep harvested produce at protected place.
Sunflower	Harvesting	Harvesting should be done of timely sown Sunflower crop and keep harvested produce at protected place.
Rabi Sorghum		Rabi sorghum should be sown from 15 th September to 15 th October at 5 cm depth. For sowing of Rabi Sorghum improved varieties, biofertilizer, fertilizers etc. should be planned. For the sowing of Rabi Sorghum select following recommended improved / hybrid varieties according to the type of soil. For light soil Phule Anuradha, Phule Mauli For medium soil Phule Suchitra, Phule Mauli, Phule Chitra , Parbhani Moti, Maldandi-35-1 For Heavy soil Phule Vasudha, Phule Yashoda, CSV- 12 , PKV- Kranti, Parbhani Moti, Hybrid varieties: - CSH-15, CSH - 19 For irrigated purpose Phule Revati, Phule Vasudha , CSV-18 , CSH-15 and CSH-19 For Hurda purpose Phule Uttara, Phule Madhur , For Sorghum Pops Phule Panchami For Papad purpose Phule Rohini. It is necessary to keep 1.48 lakh seedlings per hectare to get the expected yield of rabi sorghum. For this rabi sorghum sowing should be done at a distance of 45 x 15 cm. For seed treatment apply 4 gm of sulphur (300 mesh powder) per kg of seed before sowing. Also seed treated with 25 gm of <i>Azotobacter</i> and P. S. B after processing of bacterial culture use 10 kg seed per hector.
Rabi safflower		Rabi safflower should be sown from the second fortnight of September to the first week of October when there is sufficient moisture in the soil. For sowing of rabi safflower varieties, biofertilizer, fertilizer etc should be planned. Straight / hybrid varieties recommended for sowing of safflower should be selected. For sowing in dryland areas of safflower, straight varieties like Bhima, Phule Kusuma, Phule



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		Kardai-733 should be selected. For dryland as well as irrigated safflower S.S. F.-708, Phule Chandrabhaga (S. S. F. 748), S. S. F.12-40 those straight varieties should be selected. While Nari N.H. -1 hybrid variety should be selected.
Chickpea	Land preparation	Land preparation should be done for sowing of rainfed chickpea crop. Collect the stubbles of kharif crop. Sowing of rainfed chickpea crop should be done from 25 th September onwards.
Tomato	Growth Stage	Cloudy weather condition, rainfall and high humidity favorable for Blight disease in tomato crop. For the management of Blight disease take a spray of Mancozeb 25 gm OR Copper Oxochloride 25 gm Or Azoxystrobin 10 ml OR Cymoxanil + Mancozeb 25 gm per 10 liter of water. Two to three sprayings of above fungicides be undertaken at an interval of 10 days in clear weather condition.
Onion	Growth Stage	Due to present cloudy and humid condition for the control of Thrips and blight take spray of Dimethoate 30% EC 15 ml or Lambdasyhalothrin 5% EC 6 ml + Tebuconazole 10 ml per 10 liter of water during clear weather condition
Animal Management		<p>As there is possibility Thunderstorm accompanied with lighting and heavy rainfall proper precaution should be taken by farmers of themselves and the cattle's and animals should be kept at safe place.</p> <p>The roads, byres and grazed lands become mainly marshy due to consistent rainfall. The condition is congenial for foot rot, especially in crossbred cattle, sheep, goat and the animals with white hooves. Hoof trimming and soaking of hooves in foot bath of 10% zinc sulphate solution for 15 minutes is recommended to recover the hoof rot. Cooper sulphate can also be used for foot bath. The moist condition is congenial for cold, pneumonia, etc. Maintain dryness in byre. Provide bedding of dry grasses, empty gunny bags to animals in byre. Dust the wet surface with lime powder. Keep the byres warm by smudging. Avoid use of the fodder, oilseed cakes affected with the green, black fungal growth. Prevent the fodder from rains by using plastic paper covering. Protect the animals from mosquitoes and flies. The cattle or other livestock should not be sent to graze in the open, and should be given close attention.</p>

Source:

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

Place : Krishi Vigyan Kendra, Mohol.

Date : 21st September 2021

Sd/-

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