



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 23.09.2022

District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (17.09.2022 to 23.09.2022)							Weather Parameters	Weather Forecast (23.09.2022 to 27.09.2022)				
17	18	19	20	21	22	23	Date	24	25	26	27	28
31.0	1.5	0.8	4.8	1.7	0.0	0.0	Rainfall (mm)	14	8	9	11	6
24.0	29.7	27.9	26.6	24.8	26.8	28.6	Max. Temp. (0C)	29	30	31	32	31
20.9	21.0	20.4	21.1	19.8	21.0	20.0	Min. Temp. (0C)	20	20	20	21	21
							Cloud Cover	3	3	3	3	4
91	91	90	96	91	83	83	Max. RH (%)	91	91	91	89	89
77	74	75	79	71	63		Min. RH (%)	59	59	58	54	55
1.5	2.5	3.4	4.5	3.2	4.7	4.5	Wind Speed(km/hr)	17	17	15	14	14
							Wind direction (deg)	249	248	249	257	283

Agromet Advisory Based on Weather Forecast Prediction

Crop	Crop Stage	Advisory
Weather Summary/ Alert		According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department there is possibility of rainfall at some (scattered) places on dt. 23 rd September, 2022 and at isolated places on dt. 24 th , 25 th , 26 th & 27 th September, 2022 in the district.
Extended Range Forecast (ERFS)		As per ERFS products during 25 th September, 2022 to 01 st October, 2022 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division <ul style="list-style-type: none"> ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain. • 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. • Farmers should observe the pest and disease incidence on their field and if the infestation is above economic threshold level (ETL) then proper pest and disease management should be done. • The harvested kharif crops should be kept at safe storage places.
Paddy	Flowering	If deficiency of zinc is observed than take spray of 0.2% zinc sulphate per liter of water on standing crop. The water level in the paddy field should be maintained up to 10 cm when in flowering stage. For control of blight, blast and brown spots disease spray copper oxychloride 25 gram or carbendenzim 10 gram per 10 lit. of water. Use sticker 0.1 % (1 ml in 1 liter of solution)

		during spraying. For the control of leaf roller spraying should be done after crossing the economic threshold level 2 infected leaves per hill. For the control of leaf roller and jassids spray 5 % Neem Extract or Acephate 75 % SP 600 gm per hectare in 500 liters of water when there are no rains.
Sugarcane	Vegetative growth stage	For control of white grub infestation apply 20 kg of metarhizium anisopliae per hectare in soil or 2.5 to 3 kg per hectare for spraying.
Soybean	Pod development	Erect 8 to 10 bird perches per acre for control of various types of larval pest. For control of leaf eating spodoptera larva spray erect 5 spodoptera pheromone traps per hectare, collect and destroy the egg masses and larva which will help in controlling the pest. If chemical control is required then spray 20% Chlorpyrifos 20 ml or Cypermethrin 25 %, 4 ml per 10 liter of water. High humidity and cloudy condition is favourable for occurrence of rust in soybean. For control of rust disease spray propiconazole or hexaconazole 10 ml per 10 litre of water.
Pigeon Pea	Branching stage	For control of various types of insect pests install Pheromone traps @ 5 traps per hectare. Care should be taken to avoid water logging condition in standing crop by draining out excess rainwater. Hoeing or weeding should be done as required so that the competition between the crop and weeds for soil moisture and soil nutrients can be avoided.
Green gram & black gram	Pod development to maturity stage	Start harvesting immediately when 75 % of pods mature and when there are no rains. One or two rounds of pod picking should be done after 8-10 days to avoid shattering of pods and avoid losses. The harvested crop should be kept at safe storage places. After proper drying threshing should be carried out. The threshed grains should be dried for 5-6 days before filling in the bags. Storage of these bags should not be done in moist place. Mix neem leaves (5%) in the grains to avoid storage infestation.
Maize	Flowering stage	If the infestation of Fall Army Worm is more than 10% for its control take spray of Chlorantraniliprole 18.5 SC 4 ml per 10 lit. of water when there are no rains. For prevention of infestation of cob borer spread Trichogramma chilonis egg parasitoids in the field at silking stage.
Brinjal	Vegetative growth stage	Due to present cloudy and humid weather condition the infestation of fruit and shoot borer may occur for its control chlorantraniliprol 18.5% S.C., 4 ml or chlorpyrifos 20% EC, 20 ml per 10 liters of water in a clean and clear weather condition.
Mango		Due to present cloudy and humid condition for control of various insect pest and diseases on new shoots of mango plants spray 5% Imidacloprid 6 ml or quinalphos 25 ml + 20gram carbendazim per 10 lit. of water when there is no rain.
Banana		Due to present cloudy and humid weather the incidence of blast (Sigatoka) disease may occur and for its control destroy the part of leaf or full leaf of plants. When the incidence is noticed spray propiconazole 5 ml and mineral oil 100 ml per 10 liter of water when there are no rains. Repeat two spray at an interval of 20 days.
Animal Management		To avoid the spreading of diseases in cattle's care should be taken to isolate the infected animal and the excreta of the animal should be destroyed by burying it far away. Goat pox vaccine should be administered on the advice of a veterinarian to control lumpy skin disease. Due to open grazing the animals feed on grasses grown in the monsoon and their digestive system gets disturbed and they may suffer by Diarrhoea. So the proportion of dry fodder feed should be increased comparatively during rainy season. It is most important to give wormicide medicine to animals by consulting veterinary

		doctor. Always give clean drinking water to animals. For control and prevention of diseases all animals should be given vaccine and medicine in consultation with veterinary doctor.
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Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.

Source:

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| 1) Weather Forecast | : Regional Meteorological Centre (RMC, Mumbai) |
| 2) Last week weather summary | : IMD observatory (CAgMO, A.C., Pune) |

Place : COA, Pune

Date : 23.09.2022

Sd/-

**Principal Nodal Officer, GKMS, AMFU Pune &
Head, Department of Agril. Meteorology, COA, Pune.**