



AGROMET ADVISORY BULLETIN

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45) Weather based Agromet Advisory committee meeting dated 04.08.2020

District: Dhule

Last Week Weather Summary (28.07.2020 to 03.08.2020)							Weather Parameters	Weather Forecast (05.08.2020 to 09.08.2020)				
28	29	30	31	01	02	03	Date	05	06	07	08	09
							Rainfall (mm)	39	28	23	3	12
							Max. Temp. (0C)	32	33	30	31	31
							Min. Temp. (0C)	23	24	24	25	24
							Cloud Cover	5	6	8	6	7
							Max. RH (%)	78	85	84	83	83
							Min. RH (%)	52	57	68	59	59
							Wind Speed(km/hr)	9	16	15	14	20

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<ul style="list-style-type: none"> ➤ Cloudy conditions may remain during next 5 days. ➤ Strong winds accompanied with light to medium rains are expected at isolated places during next three days.
General Advisory		<ul style="list-style-type: none"> ➤ Care should be taken not to stagnant water in the field. Drain out excess water from the field. ➤ Farm operations (Interculturing, weed management, fertilizer application, spraying etc.) should be done after the rainfall stops and weather is clear. ➤ Animals should be kept in a safe place. ➤ Use Damini mobile app for electricity forecasting. ➤ The remaining dose of nitrogen should be given while the soil is moist in the required crop after the rainfall stops and weather is clear in early (timely) sowing crops. ➤ In case of manual field operations, accomplish the operation in 4-5feet spaced strips assigning one strip to one person. This will ensure adequate social distance to engaged labours. Agricultural machinery should be sanitized frequently. Farmer should use face mask. ➤ Pesticides and fungicides should be sprayed after the rainfall stops and weather is clear. ➤ While spraying, use sticker during rainy season. ➤ Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.
SMS Advisory		The Indian meteorological department has warned of heavy rains with strong winds for the next two-three days in Madya Maharashtra.
Cotton	Emergence to First Square	<p>Water logging in cotton crop is likely to increase the incidence of wilt.</p> <p>Drenching:</p> <ul style="list-style-type: none"> ➤ Apply 1.5 kg urea + 1.5 kg potash in 100 lit. of water & give 150 to 200 ml. ➤ After 8-10 days, apply mix 2 kg DAP in 100 liters of water and pour 150 to 200 ml. ➤ Planting of 5 lines or 20% non-Bt cotton around Bt cotton so as to maintain resistance in Bt cotton is necessary to prevent the attack of bollworm on BT cotton.



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		<ul style="list-style-type: none">➤ Planting of maize, cowpea and marigold as trap crop intercrop or mixed crop in cotton with a view to conserve natural enemies of sucking pests is necessary.
Groundnut	Seeding	<ul style="list-style-type: none">➤ Drain out stagnated rain water from field to avoid yellowing of crop.➤ Spraying of methyl demeton 25 EC 10 ml / 10 liter of water for control the sucking pest.➤ interculturing should be done by hand hoe after wapasa condition.➤ Soil application of 33 kg Carbofuron 3G /ha followed by light irrigation for the control of white grub.
Soybean	Branching	<ul style="list-style-type: none">➤ Planting of castor around crop for the management of <i>Spodoptera litura</i>.➤ Monitor the incidence of leaf eating caterpillar in soybean by using Spodolure pheromone traps @ 8-10 per hectare.
Pearl millet		<ul style="list-style-type: none">➤ Spray the crop with malathion 50 EC @ 14 ml per 10 liters of water for the control of shootfly and stem borer.
Mung, Udid	Growth	<ul style="list-style-type: none">➤ The viral disease plant of YMV and crinkle affected plants should be uprooted and destroy as soon as observed. Powdery mildew in black gram and green gram should be controlled by spraying Sulphur 80 WP @ 30 g per 10 liter of water.➤ If the infestation of stem fly is observed in black gram and green gram then apply Phorate 10G @ 10kg per hectare.➤ The attack of grass hopper is also reported as some places which may cause economic loss. To avoid the same spray Azadirachtin 1500 ppm @ 50 ml per 10 liter water➤ Yellow vein mosaic infected plants of black gram and green gram should be uprooted and destroyed.
Pigeonpea	Seedling	<ul style="list-style-type: none">➤ In pigeon pea, if the leaf rolling caterpillar attack is noticed, then spray Azadirachtin 1500 ppm @ 50 ml per 10 liter should be applied.➤ If the infestation of stem fly is observed in pigeon pea then apply Phorate 10G @ 10kg per hectare.
Livestock Management		<ul style="list-style-type: none">➤ As there is possibility of rainfall keep the animals at safe places.➤ During rainy season do not give excess of green fodder to animals.➤ In rainy season wounds gets formed near hoofs of sheep's to prevent this prepare the solution of Copper Sulphate or Formaldehyde in tank up to the height that hoofs gets dip into the solution and allow the sheep's to go from that solution.

Source:

- 1) Weather Forecast : Research Section, Mumbai
2) Last week weather summary : IMD Observatory, WMP, MPKV, Rahuri.

Place : MPKV, Rahuri
Date : 04.08.2020

Sd/-
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