



# AGROMET ADVISORY BULLETIN

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### 35) Weather based Agromet Advisory committee meeting dated 28.06.2024

**District: Ahmednagar**

Last Week Weather Summary (21.06.2024 to 27.06.2024)							Weather Parameters	Weather Forecast (29.06.2024 to 03.07.2024)				
21	22	23	24	25	26	27	Date	29	30	01	02	03
0	0	5.2	22.8	0	0	7	<b>Rainfall (mm)</b>	19	15	10	11	12
32.4	34.6	35.6	33	32	31	30	<b>Max. Temp. (0C)</b>	30	30	32	33	31
25.7	24.1	25.1	24.3	24.7	24.9	23.9	<b>Min. Temp. (0C)</b>	23	23	22	22	22
2	0	2	1	0	0	1	<b>Cloud Cover</b>	8	8	8	8	8
77	76	86	84	80	78	80	<b>Max. RH (%)</b>	86	83	82	81	81
44	39	54	60	63	73	60	<b>Min. RH (%)</b>	78	76	73	76	72
6.2	4.8	2.3	1.3	1.2	1.8	1.3	<b>Wind Speed(km/hr)</b>	20	23	27	30	32

### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
<b>Weather Summary</b>		According to the weather forecast from the RMC, Mumbai, sky will remain partly cloudy next five days There is a possibility of light rains at isolated places during next five days.
<b>General Advisory</b>		Use Meghdoot mobile app for weather based crop advisory and prediction. Use Damini app for lightning warning or prediction.
<b>SMS Advisory</b>		<b>Sowing of kharif crop should be completed.</b>
<b>Sugarcane</b>		After the pre-monsoon rains, collection of beetles on community basis in the evening by shaking the host trees like Neem, Acacia, Ber around the field and killing the fallen beetles in kerosene water. Water light traps should be placed under host trees found along roadsides and around infested fields. Make a trench about half a feet deep, 1 meter wide and 1.5 meters long and cover the bottom and sides with plastic to keep the water in. On the top of the trench, a 40 to 10 watt bulb or a 5 to 10 watt CFL bulb should be switched on between 7 to 9 pm. Beetles are attracted to this light and fall into the water and die. Clearwater light traps can be made using plastic tuffs. Spraying white grubs harboring host plants with Chlorpyriphos 20 EC @ 20 ml per 10 liters of water in the evening.
<b>Soybean</b>	<b>Sowing</b>	<b>Spacing:</b> 5 × 45 cm <b>Fertilizer Application:</b> 12 to 15 tonnes of well rotted dung manure or compost should be applied per hectare. Soybean crops should be given 50 kg of nitrogen, 75 kg of phosphorus and 45 kg of potash per hectare at the time of sowing. Fertilizers should be mixed with the soil before sowing and seeds should be sown simultaneously.
<b>Pigeon pea</b>	<b>Sowing</b>	<b>Seed Rate:</b> 60 × 20 cm or 90 × 20 cm <b>Fertilizer Application:</b> 25 kg of nitrogen and 50 kg of phosphorous i.e. 125 kg of DAP per hectare should be given at the time of sowing. Multinutrient should be sprayed when the crop is at 50% flowering. In case of intercropping, the recommended amount of fertilizer should be given to the main crop which has more rows. E.g. For soybean, 50 kg of nitrogen and 75 kg of phosphorus should be given.
<b>Green gram</b>	<b>Sowing</b>	<b>Spacing:</b> 30 × 10 cm <b>Fertilizer Application:</b> 20 kg of nitrogen and 40 kg of phosphorus i.e. 100 kg of DAP per hectare should be given. If possible, chemical fertilizers should be mixed with well-rotted cow dung and sown along with the seed for better effect.
<b>Black gram</b>	<b>Sowing</b>	<b>Spacing:</b> 30 × 10 cm <b>Fertilizer Application:</b> 20 kg of nitrogen and 40 kg of phosphorus i.e. 100 kg of



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		DAP per hectare should be given. If possible, chemical fertilizers should be mixed with well-rotted cow dung and sown along with the seed for better effect.
<b>Cotton</b>	<b>Sowing</b>	<b>Spacing:</b> BT Cotton Dry land 120 × 45 cm (4 × 1.5 ft) BT Cotton horticulture planting 150 × 30 cm (5 × 1 ft) or 180 × 30 cm (6 × 1 ft) <b>Fertilizer Application:</b> Hybrid cotton requires 100 kg of nitrogen, 50 kg of phosphorus and 50 kg of phosphorus per hectare, while improved varieties require 80 kg of nitrogen, 40 kg of phosphorus and 40 kg of phosphorus per hectare. Also, to improve the texture of the soil, 25 carts of cow dung per hectare should be given before the last threshing cycle.
<b>Maize</b>	<b>Sowing</b>	<b>Spacing:</b> 75 x 20 cm for late and medium varieties. 60 x 20 cm for early maturing varieties. <b>Fertilizer Application:</b> 35 kg urea, 150 kg phosphorus and 28 kg potash per acre should be applied at the time of sowing.
<b>Sunflower</b>	<b>Sowing</b>	<b>Spacing:</b> 45 × 30 cm for medium to deep soils and improved varieties. 60 × 30 cm for hybrid and long duration varieties. <b>Fertilizer Application:</b> 2.5 tonnes of cow dung per hectare along with 50 kg of nitrogen, 25 kg of phosphorus and 25 kg of palash should be sown at the time of sowing for dryland crops. 60 kg of nitrogen + 60 kg of phosphorus + 60 kg of potash should be given to horticultural crops per hectare. Of this, 30 kg of nitrogen and complete phosphorus and potash should be applied at the time of sowing and the remaining 30 kg of nitrogen should be applied within one month after sowing. For sulfur deficient land, 20 kg of sulfur per hectare should be mixed with vermicompost at the time of sowing.
<b>Pearl millet</b>	<b>Sowing</b>	<b>Spacing:</b> The distance between two rows should be 30 cm. <b>Fertilizer Application:</b> 60 kg of nitrogen, 30 kg of phosphorus and 30 kg of potash per hectare should be applied at the time of sowing.
<b>Groundnut</b>	<b>Sowing</b>	<b>Spacing:</b> 30 × 10 cm <b>Fertilizer Application:</b> Mix 10 tonnes of compost or well-rotted cow dung per hectare. At the time of sowing, 25 kg of nitrogen + 50 kg of phosphorus should be given. For higher yield of groundnut, gypsum 400 kg/ha (200 kg/ha at sowing and remaining 200 kg/ha at sowing) should be added to the soil along with chemical fertilizers.

**Source:**

- 1) Weather Forecast : RMC, Mumbai  
2) Last week weather summary : College of Agriculture, Dhule.

**Place : MPKV, Rahuri**

**Date : 28.06.2024**

**Sd/-**

**Nodal Officer, GKMS, AMFU Rahuri &  
Head, Department of Agronomy, MPKV, Rahuri.**