



GRAMIN KRISHI MAUSAM SEVA

Dr YS Parmar University of Horticulture and Forestry Nauni, Solan
Department of Environmental Science
Agromet advisory Bulletin
(Govt. of India)

Tel: +91-1792-252023

e-mail: purnima.mehta19@gmail.com

Year : 29

Bulletin: 42

Period: 29th May to 2nd June

Date: 28-05-2024

Past Weather: During last week weather remained dry. Maximum and minimum temperatures ranged between 32.0-37.2°C and 17.8-19.5°C and wind speed ranged from 2.0-4.4 kmph in north-east direction.

Weather Forecast for next 5 days (0830 hrs 29th May to 2nd June, 2024)

Date	Rainfall (mm)	Tmax (°C)	Tmin (°C)	RH morning (%)	RH evening (%)	Wind Speed (kmph)	Wind Direction (°)	Cloud Cover (Okta)
29-05-24	0	35	19	32	18	11	101	0
30-05-24	0	36	20	31	19	14	152	0
31-05-24	0	36	21	32	18	11	116	0
1-06-24	0	35	21	32	19	12	78	1
2-06-24	1	33	21	40	25	11	2	3

In the next five days, the weather will remain variable. Light rainfall is expected on 1st June, 2024 at few places of the district and slightly drop in temperature. Maximum & minimum temperatures will range between 35.0-36.0°C and 19.0-21.0°C, respectively. Wind speed will range between 11.0-14.0 kmph in the south-east direction. Relative humidity will fluctuate between 18-40 percent.

District and Blocks	28 th	29 th	30 th	31 st	1 st
Shimla	Dry & clear weather	Rain at isolated places			
Solan	Dry & clear weather	Rain at isolated places			
Bilaspur	Dry & clear weather	Rain at isolated places			
Sirmaur	Dry & clear weather	Rain at isolated places			
Dharampur	Dry & clear weather	Rain at isolated places			
Kandaghat	Dry & clear weather	Rain at isolated places			
Kunihar	Dry & clear weather	Rain at isolated places			
Nalagarh	Dry & clear weather	Rain at isolated places			
Solan	Dry & clear weather	Rain at isolated places			

Weather Warning

Heat wave conditions at isolated pockets of the district	Heat wave conditions at isolated pockets of the district	Heat wave conditions at isolated pockets of the district	Heat wave conditions at isolated pockets of the district	Heat wave conditions at isolated pockets of the district	Thunderstorm with lightening at isolated places

General Advisory:-

- ❖ Farmers are advised to avoid direct heat exposure, keep cool, avoid dehydration and drink sufficient amount of water.
- ❖ Spread dry grass mulch around 10-15 cm of thickness in plant basin to conserve soil moisture.
- ❖ Regularly monitor crop for emergence of new pests under prevailing weather condition.
- ❖ Take precautions against thundering and lightning farmers are advised to **avoid the visit in open fields. Stay away from tall trees or other objects.**
- ❖ Follow crop base agro advisory regularly.
- ❖ Farmers are advised to do weeding and hoeing practices in the fields.
- ❖ Apply plant protection measures during clear weather.
- ❖ Use **MEGHDOOT** app for acquiring information regarding agromet advisory in the local language.

SMS Advisory:-

- ❖ Farmers are advised to irrigate the crops as per the requirement during early morning and late evening hours.

Main Crops	Crop Stage	Crop Advisory
Vegetables/fruits		
Apple	Fruit-setting	<ul style="list-style-type: none"> ❖ Farmers are advised to spread dry grass mulch around 10-15 cm of thickness in plant basin to conserve soil moisture. ❖ Farmers are advised to irrigate the plants as per the requirement during early morning and late evening hours.
Mango	Fruiting stage	<ul style="list-style-type: none"> ❖ Increase the frequency of irrigation. ❖ Keep the basins free of weeds. ❖ Spread dry grass mulch around 10-15 cm of thickness in plant basin to conserve soil moisture. ❖ The fruit trees should be monitored continuously to prevent the attack of mealy bug and mango hopper. The insects usually suck the sap from the inflorescence and leaves. ❖ Apply sticky grease band on mango plants to control upward movement of mango mealy bug.
Tomato	50% flowering/fruitleting stage	<ul style="list-style-type: none"> ❖ Farmers are advised to increase the frequency of irrigation to bring down the heat effect. ❖ Do staking of tomato plants ❖ Monitor tomato crop for leaf curl and maintain soil moisture in the tomato fields. The favourable weather of leaf curl is warm weather when maximum temperature was above 32°C. ❖ Monitor the crop against shoot and fruit borer in the crops.
Capsicum	Vegetative/Flowering	<ul style="list-style-type: none"> ❖ Farmers are advised to increase the frequency of irrigation to bring down the heat effect. Irrigate the crop at early morning and late evening hours.
Garlic/onion	Harvesting	<ul style="list-style-type: none"> ❖ After harvesting farmers are advised to store garlic in dry and shade places as rainfall is expected on 1st June, 2024.
Cucumber, Gourd	Flowering/fruitleting	<ul style="list-style-type: none"> ❖ The crops should be monitored continuously to prevent the attack of the red pumpkin beetle. ❖ The beetle can be managed effectively by utilizing indigenous knowledge of dusting the plants with cow dung ash 3-4 times at weekly intervals, when weather is clear.
Paddy (Low hills)	Nursery preparation and sowing	<ul style="list-style-type: none"> ❖ Farmers are advised to do sowing of paddy nursery (20th May-20th June) for better grain quality.
Natural Farming	Seasonal crops	<ul style="list-style-type: none"> ❖ Farmers doing natural farming can control insect-pest attack by spraying Agniastra, Brahmastra and Neemastra and dashparni ark at weekly interval @3.0 per cent and Jeevaamrit @ 10.0 percent when weather is clear and sunny. ❖ Spray of Khati lassi protects the crop from insect-pest attack.
Livestock		<ul style="list-style-type: none"> ❖ Farmers are advised to protect their livestock from direct heat exposure, keep them under sheds with proper spacing and provide sufficient water frequently for drinking ❖ Keep them cool by spraying with water especially on legs and feet.

Dr Purnima Mehta
Research Associate

Dr S K Bhardwaj
Nodal Officer