



## 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](mailto:purnima.mehta19@gmail.com)**

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**Period: 20<sup>th</sup> to 24<sup>th</sup> Sept**

**Date: 19-09-2023**

**Past Weather:** During last week the weather remained variable. Light rainfall of 22.0 mm was received on 17<sup>th</sup> -18<sup>th</sup> September, 2023. Maximum and minimum temperatures ranged between 27.5-29.0°C and 19.5-20.6°C and wind speed ranged from 2.0-3.2 kmph in south-west direction.

**Weather Forecast for next 5 days (0830 hrs 16<sup>th</sup> to 20<sup>th</sup> Sept, 2023)**

| Date     | Rainfall (mm) | Tmax (°C) | Tmin (°C) | RH morning (%) | RH evening (%) | Wind Speed (kmph) | Wind Direction (°) | Cloud Cover (Okta) |
|----------|---------------|-----------|-----------|----------------|----------------|-------------------|--------------------|--------------------|
| 20-09-23 | 8             | 29        | 19        | 81             | 65             | 6                 | 68                 | 7                  |
| 21-09-23 | 0             | 29        | 18        | 82             | 68             | 8                 | 71                 | 2                  |
| 22-09-23 | 0             | 30        | 18        | 83             | 64             | 7                 | 68                 | 2                  |
| 23-09-23 | 0             | 30        | 18        | 84             | 68             | 6                 | 71                 | 2                  |
| 24-09-23 | 4             | 29        | 17        | 82             | 64             | 5                 | 75                 | 6                  |

In the next five days, the weather will remain variable with partly cloudy conditions. Light to moderate rainfall with thundering and lightening is expected on September 20<sup>th</sup> at many places, and light rainfall is expected on September 24<sup>th</sup> at a isolated places. Maximum & minimum temperatures will range between 29.0-30.0°C and 17.0-18.0°C, respectively. The wind speed will range between 5.0-8.0 kmph in the north-east direction. Relative humidity will fluctuate between 64-68 percent.

| District and Blocks | 20 <sup>th</sup>                              | 21 <sup>st</sup>            | 22 <sup>nd</sup>            | 23 <sup>rd</sup>            | 24 <sup>th</sup>                              |
|---------------------|---|-----------------------------|-----------------------------|-----------------------------|---|
| Shimla              | Light to moderate rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light to moderate rainfall at isolated places |
| Solan               | Light to moderate rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light to moderate rainfall at isolated places |
| Dharampur           | Light to moderate rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light to moderate rainfall at isolated places |
| Kandaghat           | Light to moderate rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light to moderate rainfall at isolated places |
| Kunihar             | Light rainfall at isolated places             | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light to moderate rainfall at isolated places |
| Nalagarh            | Light rainfall at isolated places             | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light rainfall at isolated places             |
| Solan               | Light to moderate rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Rainfall at isolated places | Light to moderate rainfall at isolated places |
| Weather Warning     |   |                             |                             |                             |   |
|                     | NIL   | NIL                         | NIL                         | NIL                         | NIL   |

### General Advisory:-

- ❖ Farmers are advised to make proper arrangement for drainage of water in the fields to avoid water stagnation.
- ❖ Take precautions against thundering and lightning, farmers are advised to avoid the visit in open fields. Stay away from tall trees or other objects.
- ❖ Keep the basins of fruit trees free of weeds.
- ❖ Farmers are advised to regularly monitor the vegetable crops against the attack of insect/diseases.
- ❖ Ensure proper aeration in vegetable fields through weeding and proper staking of plants.
- ❖ Follow crop base agro advisory regularly.
- ❖ Use **MEGHDOOT** app for acquiring information regarding agromet advisory in the local language.

| Main Crops                  | Crop Stage                 | Crop Advisory   |
|-----------------------------|----------------------------|---|
| <b>Vegetables/fruits</b>    |                            |   |
| <b>Tomato/Brinjal</b>       | <b>Fruiting/harvesting</b> | <ul style="list-style-type: none"> <li>❖ Collect the damaged fruits and leaves and buried them in the soil to avoid the attack of the fruit and shoot borer in tomato and brinjal crops. Install pheromone trap @ 25 per hac if pest population is high. If pest population is high, spraying of recommended chemicals is advised during clear weather condition.</li> <li>❖ Timely harvest the matured fruit in order to avoid spoilage.</li> </ul>  |
| <b>Apple/ Pomegranate</b>   | <b>Harvesting</b>          | <ul style="list-style-type: none"> <li>❖ Farmers are advised to collect the dropped, damaged &amp; rotten fruits from the orchards and bury them in a deep pits to avoid the spreading of any disease in the fruit trees.</li> <li>❖ Keep the orchards neat and clean after fruit harvesting.</li> </ul>  |
| <b>Spinach</b>              | <b>Direct Sowing</b>       | <ul style="list-style-type: none"> <li>❖ Farmers are advised to go for sowing of crop (August-September).</li> <li>❖ Spinach sowing within first fortnight of September during clear weather for good germination and crop stand.</li> <li>❖ Seed rate: 25-30 kg/ha, 2-2.5 kg/Bigha, Spacing: 30x10 cm.</li> </ul>  |
| <b>Garlic</b>               | <b>Field preparation</b>   | <ul style="list-style-type: none"> <li>❖ Preparation of field (2-3 ploughing) and addition of FYM in the soil before sowing of garlic in the fields.</li> <li>❖ FYM: 8 q/Bigha and 100 q/ha.</li> </ul>   |
| <b>Cauliflower, Cabbage</b> | <b>Nursery preparation</b> | <ul style="list-style-type: none"> <li>❖ Prepare nursery beds for sowing of cole crops.</li> </ul>  |
| <b>Maize</b>                | <b>Reproductive stage</b>  | <ul style="list-style-type: none"> <li>❖ Fall army worm is a serious pest of maize now days. For the monitoring of this pest install pheromone traps @ 4 traps per acre. Destroy eggs and larvae by crushing them. If the infection is more than 10 percent, then spray neem seed kernel extracts @ 5ml/L or Coragen (Chloratrniliprole) 18.5 SC @ 0.4 ml/L in early morning during clear weather.</li> </ul>   |
| <b>Rice</b>                 | <b>Vegetative stage</b>    | <ul style="list-style-type: none"> <li>❖ Use Leaf color chart for need based urea application.</li> <li>❖ Monitor the crop against the attack of sheath blight and rice stem borer.</li> <li>❖ Keep the bunds of the field clean by removing weeds.</li> <li>❖ Install pheromone traps @ 3-4/acre in the paddy fields for control of stem borer.</li> </ul>   |
| <b>Sesame (Til)</b>         | <b>Flowering stage</b>     | <ul style="list-style-type: none"> <li>❖ Monitor the crop against sesame leaf hopper and if the infection is more than spray agniastra @ 3.0 percent at weekly interval during clear weather.</li> </ul>  |
| <b>Natural farming</b>      | -                          | <ul style="list-style-type: none"> <li>❖ 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 at regular interval during the clear weather condition.</li> <li>❖ Farmers doing natural farming may follow the above advisory, and other farmers may follow the management practices issued time to time please as per package of practices.</li> </ul> |
| <b>Livestock</b>            | -                          | <ul style="list-style-type: none"> <li>❖ Care should be taken to avoid water stagnation around the cattle shed and also avoid wetness inside the cattle shed.</li> <li>❖ Give vaccination against FMD.</li> <li>❖ Provide adequate amount of fresh cool and clean drinking water to the animals at frequent intervals.</li> </ul>   |