

भारत सरकार

पृथ्वी विज्ञान मंत्रालय

मौसम केंद्र

शिमला



Government of India

Ministry of Earth Sciences

Meteorological Centre

Shimla

**Agromet Advisory Service Bulletin for the State of Himachal Pradesh**  
**(Advisories mentioned in the bulletin are prepared by different AMFUs in Himachal Pradesh)**  
**Bulletin No. 55/2025 Issued by MC Shimla on 11.07.2025**

**DISTRICTWISE WEATHER WARNING FOR THE NEXT 5 DAYS**

**DAY 1(UPTO 0830 IST OF 12.07.2025)**



**DAY 2(UPTO 0830 IST OF 13.07.2025)**



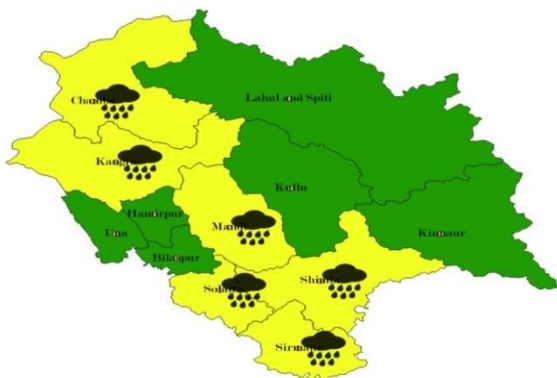
**DAY 3(UPTO 0830 IST OF 14.07.2025)**



**DAY 4(UPTO 0830 IST OF 15.07.2025)**



**DAY 5(UPTO 0830 IST OF 16.07.2025)**



**Legends**

**Warning.**

- NO WARNING (NO ACTION)-कोई कार्यवाही नहीं
- WATCH (BE UPDATED)-नियरानी रखे
- ALERT(BE PREPARED)-सतर्क रहे
- WARNING(TAKE ACTION)-कार्यवाही करे

**legends**

- THUNDERSTORM
- Heavy rain with thunderstorm
- SNOW
- Heavy to Very Rain with thunderstorm
- HEAT WAVE
- GUSTY WINDS(Wind speed 30-40kmph)
- HAIL
- COLD WAVE / COLD DAY
- FOG
- Ground Frost

|                      |                      |              |
|----------------------|----------------------|--------------|
| Fog                  | Heavy Snow           | Cold Wave    |
| Heavy Rain           | Dust Storm           | Cold Day     |
| Very Heavy Rain      | Heat Wave            | Ground Frost |
| Extremely Heavy Rain | Warm Night           |              |
| Thunder & Lightning  | Hot Day              |              |
| Hailstorm            | Hot & Humid          |              |
| Dust Raising Winds   | Strong Surface Winds |              |

|                        |
|------------------------|
| WARNING ( TAKE ACTION) |
| ALERT (BE PREPARED)    |
| WATCH (BE UPDATED)     |
| NO WARNING (NO ACTION) |

| Date    | 11-July                              | 12-July                              | 13-July                              | 14-July                              | 15-July                              | 16-July                              | 17-July                              |
|---------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Warning | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places |

**Weather Forecast for the state of Himachal Pradesh for Next 5 Days**

| District      | 11-July                              | 12-July                              | 13-July                              | 14-July                              | 15-July                              |
|---------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Una           | NIL                                  | NIL                                  | NIL                                  | Heavy rain likely at isolated places | NIL                                  |
| Bilaspur      | NIL                                  | NIL                                  | Heavy rain likely at isolated places | Heavy rain likely at isolated places | NIL                                  |
| Hamirpur      | NIL                                  | NIL                                  | NIL                                  | Heavy rain likely at isolated places | NIL                                  |
| Chamba        | NIL                                  | NIL                                  | NIL                                  | Heavy rain likely at isolated places | Heavy rain likely at isolated places |
| Kangra        | NIL                                  | NIL                                  | NIL                                  | Heavy rain likely at isolated places | Heavy rain likely at isolated places |
| Kullu         | NIL                                  | NIL                                  | NIL                                  | Heavy rain likely at isolated places | NIL                                  |
| Mandi         | NIL                                  | NIL                                  | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places |
| Shimla        | NIL                                  | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places |
| Solan         | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | NIL                                  | Heavy rain likely at isolated places |
| Sirmaur       | Heavy rain likely at isolated places | Heavy rain likely at isolated places | Heavy rain likely at isolated places | NIL                                  | Heavy rain likely at isolated places |
| Kinnaur       | NIL                                  | NIL                                  | NIL                                  | NIL                                  | NIL                                  |
| Lahaul &Spiti | NIL                                  | NIL                                  | NIL                                  | NIL                                  | NIL                                  |

| Weather Warning              | Affected areas                       | Impacts and advisories   |
|------------------------------|--------------------------------------|--|
| Heavy to very heavy rainfall | Low hills/plains and mid hills areas | <p><b>Impacts:</b></p> <ul style="list-style-type: none"> <li>➤ Possibility of landslide/mudslide/land sink/mud sinks in vulnerable areas.</li> <li>➤ Water logging in low lying areas.</li> <li>➤ Partial damage to vulnerable structures.</li> <li>➤ Vehicles skidding due to slippery roads and low visibility</li> <li>➤ Traffic congestion.</li> <li>➤ Essential services and routine outdoor businesses may affect for some time.</li> <li>➤ Damage to horticulture &amp; standing crops.</li> <li>➤ Possibility of inundation/flash flood in vulnerable areas.</li> <li>➤ Water level may rise in river catchment areas, nalas etc.</li> </ul> <p><b>Advisories:</b></p> <ul style="list-style-type: none"> <li>➤ Avoid going to vulnerable areas and areas that face the water logging problems often.</li> <li>➤ Avoid going near water bodies.</li> <li>➤ Avoid trekking.</li> <li>➤ Limit outdoor activities.</li> <li>➤ Keep safe distance from the vulnerable structures.</li> <li>➤ Be updated with the weather information.</li> <li>➤ Follow any traffic advisories issued by State Government authorities.</li> <li>➤ Follow advisories/guidelines issued by the State Government.</li> </ul> |

## DISTRICTWISE WEATHER FORECAST FOR THE NEXT 5 DAYS

**DAY 1(UPTO 0830 IST OF 12.07.2025)**



**DAY 2(UPTO 0830 IST OF 13.07.2025)**



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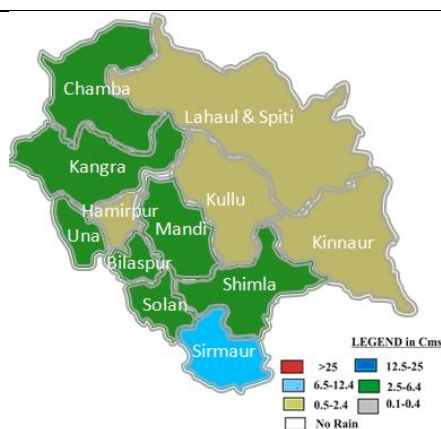


### Legends

- DRY
- ISOL( 0 TO 25%)
- SCT(26 TO 50%)
- FWS(51 TO 75%)
- WS(76 TO 100%)

\*percentage based on the number of stations reporting rainfall

Average Rainfall forecast for next 5 day



### WEATHER FORECAST for the state of Himachal Pradesh for Next 7 Days

| Date                      | 11-July  | 12-July  | 13-July  | 14-July  | 15-July  | 16-July  | 17-July  |
|---------------------------|--|--|--|--|--|--|--|
| <b>Low Hills / Plains</b> | Light to moderate rain at many places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at few places with one or two spells of heavy rain likely at isolated places  | Light to moderate rain at many places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places |
| <b>Middle Hills</b>       | Light to moderate rain at many places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at many places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at many places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places | Light to moderate rain at most places with one or two spells of heavy rain likely at isolated places |
| <b>High Hills</b>         | Light to moderate rain likely at few places  | Light to moderate rain likely at isolated places   | Light to moderate rain likely at few places  | Light to moderate rain likely at many places   | Light to moderate rain likely at many places   | Light to moderate rain likely at many places   | Light to moderate rain likely at many places   |

| REGION           | AREAS/DISTRICTS COVERED   |
|------------------|---|
| HIGH HILLS       | LAHAUL & SPITI, KINNAUR, CHAMBA, UPPER PARTS OF KULLU AND MANDI DISTRICTS   |
| MIDDLE HILLS     | SHIMLA, MANDI, KULLU, SOME PARTS OF CHAMBA (SIHUNTA, CHOWARI AND CHAMBA), MOST PARTS OF SOLAN AND SIRMAUR DISTRICTS   |
| LOW HILLS/PLAINS | UNA, BILASPUR, HAMIRPUR, SOME PARTS OF KANGRA (NURPUR, JWALA & DEHRA), SOLAN (NALAGARH, BADDI, ARKI & KUNIHAR) AND SIRMAUR (NAHAN & PAONTA SAHIB) DISTRICTS |

| RAINFALL INTENSITY   |               | SPATIAL DISTRIBUTION   |               | PROBABILITY OF OCCURENCE |         |
|----------------------|---------------|------------------------|---------------|--------------------------|---------|
| VERY LIGHT RAIN      | TRACE-2.4mm   | DRY                    | NO RAINFALL   | UNLIKELY                 | ≤ 25%   |
| LIGHT RAIN           | 2.5- 15.5mm   | ISOL (ISOLATED PLACES) | UPTO 25% AREA | LIKELY                   | 26- 50% |
| MODERATE RAIN        | 15.6- 64.4mm  | SCT (FEW PLACES)       | 25- 50% AREA  | VERY<br>LIKELY           | 51- 75% |
| HEAVY RAIN           | 64.5-115.5mm  | FWS (MANY PLACES)      | 50- 75% AREA  |                          |         |
| VERY HEAVY RAIN      | 115.6-204.4mm | WS (MOST PLACES)       | >75% AREA     | MOST<br>LIKELY           | > 75%   |
| EXTREMELY HEAVY RAIN | >204.5mm      |                        |               |                          |         |

### Extended Range forecast for the state of Himachal Pradesh (18<sup>th</sup> July 2025 – 24<sup>th</sup> July 2025)

#### Rainfall

- Light to moderate rain likely over many parts of the state and isolated heavy rainfall over low hills/plains &

- Rainfall anomaly likely to be below normal over most parts of the state

- Maximum Temperatures are likely to be in the range of 24-28 °C over most parts of the high hills; in the range of 26-32°C over most parts of mid hills and in the range of 28-34 °C over most parts of the low hills/plains during many days.

### Minimum Temperature

- ### Summary of four days rainfall over the State (from 08.07.2025 to 11.07.2025)

|              |   |             |  |
|--------------|---|-------------|--|
| <b>ISOL:</b> | Isolated <i>i.e.</i> Rain at 1 or 2 places        | <b>SCT:</b> | Scattered <i>i.e.</i> Rain at a few places |
| <b>FWS:</b>  | Fairly Widespread <i>i.e.</i> Rain at many places |             |  |
| <b>WS:</b>   | Widespread <i>i.e.</i> Rain at most places        | <b>DRY:</b> | No rain                                    |

Crop stages collected from State Department of Agriculture, Govt. of Himachal Pradesh AMFUs

| District  |                   | Crops             |   |           |                      |                  |           |                              |            |
|-----------|-------------------|-------------------|---|-----------|----------------------|------------------|-----------|------------------------------|------------|
|           | Apple             | Apricot           | Pea   | Rajma     | Cauliflower /Cabbage | Potato           | Barley    | Cucumber                     | Tomato     |
| Kinnaur   | Fruit development | Fruit development | Flowering, pod development, maturity and Harvesting | Branching | Vegetative stage     | Vegetative stage | Tillering | Vegetative / Flowering stage | Vegetative |
| Districts |                   | Crops             |   |           |                      |                  |           |                              |            |



|              | Apple             | Pea   | Cauliflower<br>/<br>Cabbage | Potato           | Barley     | Rajma     | Cucumber                       | Tomato     |
|--------------|-------------------|---|-----------------------------|------------------|------------|-----------|--------------------------------|------------|
| Lahaul-Spiti | Fruit development | Branching stage<br>Vegetative/<br>Flowering / pod development | Vegetative stage            | Vegetative stage | Tillering  | Branching | Vegetative/<br>Flowering stage | Vegetative |
| Districts    | Apple             |   | Cucumber                    |                  | Maize      |           | Tomato, Capsicum,              |            |
| Bilaspur     | -                 |   | Maturity/Harvesting         |                  | Tasseling  |           | Fruit maturity/Harvesting      |            |
| Sirmour      | Fruit development |   | Fruit formation             |                  | Vegetative |           | Fruit formation                |            |
| Solan        | Fruit development |   | Flowering/Fruit formation   |                  | Vegetative |           | Fruit formation                |            |
| Shimla       | Fruit development |   | Flowering                   |                  | Vegetative |           | Flowering/Fruit formation      |            |

| Districts | <i>Kharif</i>                                 |                       |
|-----------|---|-----------------------|
|           | Rice  | Maize                 |
| Chamba    | Transplanting stage (3-4 leaf stage)          | Knee high stage       |
| Kangra    | Transplanting stage (3-4 leaf stage)          | Knee high stage       |
| Hamirpur  | Tillering stage ( In early transplanted crop) | Knee high stage       |
| Una       | Tillering stage ( In early transplanted crop) | Above Knee high stage |
| Districts |   | Crops                 |

S: Sowing, T: Transplanting, V: Vegetative, T: Tillering, F : Flowering, PF, Petal fall, FF: Fruit formation, PF : Pod Formation, PM: Pod maturity, BF: Bulb formation, BD: Bulb development, H: HarvestingD:DormantF : Flowering stage , P/Mi : Flowering /milky stage, SD : Soft dough stage, D: Dough stage, SF/PM: Silique formation /Physiological maturity stage, PM: Physiological maturity stage , M: Maturity stage, PF:Pod formation stage , PF/M:Pod formation stage/ maturity stage, TI: Tuber initiation, TB: Tuber bulking, Ma: Maturation, F/H: Fruiting/ Harvesting stage, H: Harvesting stage

### Agromet Advisories issued by different Agromet Field Units (AMFUs) of Himachal Pradesh

#### **Kinnaur**

**Weather Warning (Valid till 08:30 IST of next day):** No warning for next five days.

**Likely impact of Weather Warnings on Agriculture and associated Agromet advisories:** No impact of weather for next five days.

**General Advisory:**

- Remove weeds from the Potato ridges and place it on top of the ridges to maintain moisture.
- Start plucking pods when they are completely filled and send them to the markets.
- Collect the diseased Pea plants from fields and destroy them.

**SMS Advisory:**

- To manage Scab disease in apple during fruit development stage spray Propineb 600gram or Dodine 150 gram or Mancozeb 600 gram in 200litre of water.

| Main Crops          | Stage     | Pest/Diseases | IBF & Agricultural Advisories  |
|---------------------|-----------|---------------|--|
| Polyhouse: Cucumber | Flowering | -             | <ul style="list-style-type: none"> <li>• Keep the plant upright by providing support.</li> </ul> |

|                                       |   |   |   |
|---------------------------------------|---|---|---|
|                                       |   |   | <ul style="list-style-type: none"> <li>• Apply irrigation as required.</li> </ul>   |
| Polyhouse: Tomato                     | Vegetative  | -   | <ul style="list-style-type: none"> <li>• Keep the plant upright by providing support.</li> <li>• Apply irrigation as required.</li> </ul>   |
| Pea                                   | Pod development, maturity and Harvesting          | <p>Yellowing of leaves</p> <p>Powdery mildew</p>                  | <ul style="list-style-type: none"> <li>• If symptoms of yellowing are seen in pea leaves during the vegetative stage, then spray 100-150 gm of urea per liter of water.</li> <li>• If the symptom of Powdery mildew appeared in Pea plants then sprays Hexaconazole @5ml/10 L of water in the field.</li> <li>• Start plucking pods when they are completely filled and send them to the markets.</li> <li>• Collect the diseased Pea plants from fields and destroy them.</li> </ul> |
| Rajmash                               | Branching   |   | <ul style="list-style-type: none"> <li>• Remove the weeds from the fields.</li> <li>• Apply irrigation as required.</li> </ul>  |
| Potato                                | Vegetative stage                                  | -   | <ul style="list-style-type: none"> <li>• Earthing up should be done along with first weeding and hoeing. Add the remaining nitrogen at this time.</li> <li>• Remove weeds from the ridges and place it on top of the ridges to maintain moisture.</li> <li>• Apply irrigation as required.</li> <li>• Make sure that the water does not flow over the ridges.</li> </ul>  |
| Barley                                | Tillering   | -   | <ul style="list-style-type: none"> <li>• Remove the weeds from the fields.</li> <li>• Give the remaining half quantity of nitrogen with the first irrigation.</li> </ul>  |
| Vegetable crops (Cauliflower/Cabbage) | Vegetative stage, Curd initiation and development | <p>Root rot</p> <p>Lepidopteran insects (Cabbage butterflies)</p> | <ul style="list-style-type: none"> <li>• To control root rot in cauliflower do drenching of Carbendazim @1 gm/L of water.</li> <li>• Apply second split dose of Urea and apply irrigation.</li> <li>• Spray Mailathian 50EC or Lambda cyhalothrin @ 1ml/litres of water to control cabbage butterflies in cauliflower.</li> <li>• Remove the weeds from the fields.</li> </ul>  |
| Apple                                 | Fruit development                                 | <p>Powdery mildew</p> <p>Mite</p> <p>Scab</p>                     | <ul style="list-style-type: none"> <li>• To manage Powdery mildew in Apple spray (Tebuconazole 8% + Captan 32% SC) 500ml in 200 L of water.</li> <li>• For managing Mites in apple spray Fenazaquin 50 ml or Propargite 200 ml/200litre of water in the orchard.</li> <li>• To manage Scab disease in apple during fruit development stage spray Propineb 600gram or Dodine 150 gram or Mancozeb 600 gram in 200litre of water.</li> <li>• Note: Don't mix Dodine with any</li> </ul> |



|                     |                   |   |  |
|---------------------|-------------------|---|--|
|                     |                   |   | insecticide, growth regulators or other plants growth supplements sprays.  |
| Apricot             | Fruit Development | - | -  |
| Live Stock<br>(Cow) | -                 | - | <ul style="list-style-type: none"> <li>To avoid loss of essential body salts in animals ensure that a salt mixture in appropriate quantity is mixed with the feed and water and given to animals.</li> <li>Depending upon the season, the content of the animal feed should be changed.</li> <li>Deworming of animals should be carried out.</li> <li>Heat related diseases in animals that can be seen to affect animals during this time are fever, dehydration, decrease in body salts, loss of appetite and decrease in productivity.</li> <li>Depending upon the season, the content of the animal feed should be changed. At this time increase the quantity of wheat chaff and Jowar in the feed.</li> <li>Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day.</li> </ul> |

### Lahaul-Spiti

**Weather Warning (Valid till 08:30 IST of next day):** No warning for next five days.

**Likely impact of Weather Warnings on Agriculture and associated Agromet advisories:** No impact of weather for next five days.

**General Advisory:**

- Remove weeds from the Potato ridges and place it on top of the ridges to maintain moisture.
- Start plucking pods when they are completely filled and send them to the markets.
- Collect the diseased Pea plants from fields and destroy them.

**SMS Advisory:**

- To manage Scab disease in apple during fruit development stage spray Propineb 600gram or Dodine 150 gram or Mancozeb 600 gram in 200litre of water..

| Main Crops          | Stage                       | Pest/Diseases | IBF & Agricultural Advisories   |
|---------------------|-----------------------------|---------------|---|
| Polyhouse: Cucumber | Vegetative/ Flowering stage | -             | <ul style="list-style-type: none"> <li>Keep the plant upright by providing support.</li> <li>Apply irrigation as required.</li> </ul> |
| Polyhouse: Tomato   | Vegetative                  | -             | <ul style="list-style-type: none"> <li>Keep the plant upright by providing support.</li> </ul>  |

|                                       |   |   |   |
|---------------------------------------|---|---|---|
|                                       |   |   | <ul style="list-style-type: none"> <li>• Apply irrigation as required.</li> </ul>   |
| Pea                                   | Flowering, pod development, maturity and Harvesting | <p>Yellowing of leaves</p> <p>Powdery mildew</p>                  | <ul style="list-style-type: none"> <li>• If symptoms of yellowing are seen in pea leaves during the vegetative stage, then spray 100-150 gm of urea per liter of water.</li> <li>• If the symptom of Powdery mildew appeared in Pea plants then sprays Hexaconazole @5ml/10 L of water in the field.</li> <li>• Start plucking pods when they are completely filled and send them to the markets.</li> <li>• Collect the diseased Pea plants from fields and destroy them.</li> </ul> |
| Rajmash                               | Branching   | -   | <ul style="list-style-type: none"> <li>• Remove the weeds from the fields.</li> <li>• Apply irrigation as required.</li> </ul>  |
| Potato                                | Vegetative stage                                    | -   | <ul style="list-style-type: none"> <li>• Earthing up should be done along with first weeding and hoeing. Add the remaining nitrogen at this time.</li> <li>• Remove weeds from the ridges and place it on top of the ridges to maintain moisture.</li> <li>• Apply irrigation as required.</li> <li>• Make sure that the water does not flow over the ridges.</li> </ul>  |
| Barley                                | Tillering   | -   | <ul style="list-style-type: none"> <li>• Remove the weeds from the fields.</li> <li>• Give the remaining half quantity of nitrogen with the first irrigation.</li> </ul>  |
| Vegetable crops (Cauliflower/Cabbage) | Vegetative stage, Curd initiation and development   | <p>Root rot</p> <p>Lepidopteran insects (Cabbage butterflies)</p> | <ul style="list-style-type: none"> <li>• To control root rot in cauliflower do drenching of Carbendazim @1 gm/L of water.</li> <li>• Apply second split dose of Urea and apply irrigation.</li> <li>• Spray Mailathian 50EC or Lambda cyhalothrin @ 1ml/litres of water to control cabbage butterflies in cauliflower.</li> <li>• Remove the weeds from the fields.</li> </ul>  |
| Apple                                 | Fruit development                                   | <p>Powdery mildew</p> <p>Mite</p> <p>Scab</p>                     | <ul style="list-style-type: none"> <li>• To manage Powdery mildew in Apple spray (Tebuconazole 8% + Captan 32% SC) 500ml in 200 L of water.</li> <li>• For managing Mites in apple spray Fenazaquin 50 ml or Propargite 200 ml/200litre of water in the orchard.</li> <li>• To manage Scab disease in apple during fruit development stage</li> </ul>   |

|                     |   |   |  |
|---------------------|---|---|--|
|                     |   |   | <p>spray Propineb 600gram or Dodine 150 gram or Mancozeb 600 gram in 200litre of water.</p> <ul style="list-style-type: none"> <li>Note: Don't mix Dodine with any insecticide, growth regulators or other plants growth supplements sprays.</li> </ul>  |
| Live Stock<br>(Cow) | - | - | <ul style="list-style-type: none"> <li>To avoid loss of essential body salts in animals ensure that a salt mixture in appropriate quantity is mixed with the feed and water and given to animals.</li> <li>Depending upon the season, the content of the animal feed should be changed.</li> <li>Deworming of animals should be carried out.</li> <li>Heat related diseases in animals that can be seen to affect animals during this time are fever, dehydration, decrease in body salts, loss of appetite and decrease in productivity.</li> <li>Depending upon the season, the content of the animal feed should be changed. At this time increase the quantity of wheat chaff and Jowar in the feed.</li> <li>Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day.</li> </ul> |

## Solan

### **Weather Warnings (Valid Till 08:30 IST of the next day):-**

- ❖ Heavy rainfall is expected on 11<sup>th</sup> to 13<sup>th</sup> July and 15<sup>th</sup> July, 2025 at isolated places in the district.

### **Likely impacts of weather warnings on Agriculture and associated Agromet advisories:-**

- ❖ Increase in humidity and prolonged wetness create ideal conditions for the proliferation of fungal and bacterial diseases. This includes root rots, blight, and leaf spots. Therefore, farmers are advised to make proper drainage channels in the field.

### **General Advisory:-**

- ❖ Farmers are advised to stay away from rivers, streams, and low-lying areas during heavy rainfall, as water levels may rise suddenly.
- ❖ Farmers are advised to withhold the application of irrigation in all the crops.
- ❖ Make proper arrangement to collect, store the rain water.
- ❖ Make proper drainage channels to avoid water stagnation in the fields.
- ❖ Improve the air circulation by removing the weeds from the fields.
- ❖ Regular hand picking of infested fruits and shoots and their proper disposal.

### **SMS Advisory:-**

- ❖ Use **MEGHDOOT** app for acquiring information regarding agromet advisory in the local language.

| Main Crops                  | Crop Stage                       | Crop Advisory  |
|-----------------------------|----------------------------------|--|
| <b>Vegetables/fruits</b>    |                                  |  |
| <b>Apple</b>                | <b>Fruit development stage</b>   | <ul style="list-style-type: none"> <li>❖ Farmers should monitor apple crops for scab and alternaria leaf spot infection due to increase in relative humidity.</li> <li>❖ In view of persistent overcast skies and high humidity, avoid spraying and instead focus on selective pruning of lower branches to improve air circulation and to minimize the risk of scab and Alternaria leaf spot in apple orchards.</li> <li>❖ Remove infected twigs/branches and leaves from the trees.</li> <li>❖ Removing the weeds from the basin.</li> </ul> |
| <b>Cucumber</b>             | <b>Flowering/Fruit formation</b> | <ul style="list-style-type: none"> <li>❖ Farmers are advised to provide support to the vines and make proper drainage channels in the fields.</li> </ul>   |
| <b>Tomato &amp; Brinjal</b> | <b>Fruit formation</b>           | <ul style="list-style-type: none"> <li>❖ Farmers are advised to remove lower leaves up to 10–15 cm from ground level to reduce the risk of soil-borne diseases.</li> <li>❖ Farmers are advised to make proper drainage channels in the field.</li> <li>❖ Monitor the crop against Buckeye rot and blight and if observed remove the infected plants/plant parts immediately from the fields and bury them.</li> </ul>  |
| <b>Capsicum</b>             | <b>Flowering/Fruit formation</b> | <ul style="list-style-type: none"> <li>❖ Monitor the crop against Cercospora leaf spot (Reddish-brown margin with white center).</li> <li>❖ Proper drainage and remove and destroy infected leaves to prevent further spread in the fields.</li> </ul>   |
| <b>Natural farming</b>      | -                                | <ul style="list-style-type: none"> <li>❖ Use organic mulch (dry leaves) around plants to retain soil moisture and control weeds. Mulch also slow down the surface runoff.</li> <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> </ul>  |
| <b>Livestock</b>            | -                                | <ul style="list-style-type: none"> <li>❖ Farmers are advised to vaccinate the animals to protect them from disease outbreaks such as Foot &amp; Mouth Disease (FMD), and Black Quarter (B.Q.) that are likely to occur at the onset of the monsoon season.</li> </ul>  |

#### Chamba, Kangra, Una, Hamirpur

##### Weather Warnings (Valid Till 08:30 IST of the next day):-

- Heavy rain likely at isolated places

##### Likely impacts of weather warnings on Agriculture and associated Agromet advisories:-

- Waterlogging in low-lying fields may lead to root damage, fungal infections, and stunted crop growth.
- Increased chance of damping-off disease in nursery beds.

**General Advisory:**

- Use **MEGHDOOT** app for acquiring information regarding Agromet advisory in the local language. Follow crop base agro advisory regularly.
- Stay updated with IMD warnings and local alerts
- Monitor maize for Fall Armyworm. Install 4 pheromone traps/acre. If infestation >10%, spray recommended chemical in clear weather.

**SMS Advisory:**

- Ensure personal safety during adverse weather.

| Main Crops  | Crop Stage                          | Weather-based Agro- advisories   |
|---|-------------------------------------|--|
| <b>Kharif</b> crops                                 | Field preparation                   | <ul style="list-style-type: none"> <li>• <i>Ensure bunds and channels are in place to prevent runoff and soil erosion.</i></li> </ul>  |
| Storage of grains                                   |                                     | <ul style="list-style-type: none"> <li>• <i>Before storage, clean the grains properly to remove dust, chaff, and damaged seeds. Also, clean and disinfect storage structures like gunny bags, bins, or metal drums.</i></li> <li>• <i>Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done.</i></li> </ul>   |
| Rice  | Transplanting                       | <ul style="list-style-type: none"> <li>• <i>Ensure proper puddling before transplanting.</i></li> <li>• <i>Ensure bunds and channels are in place to prevent runoff and soil erosion.</i></li> </ul>   |
| Maize   | Germination                         | <ul style="list-style-type: none"> <li>• <i>Fall army worm is a serious pest of maize now a days. This insect lays eggs on the lower leaves of plants as a butterfly moth. After eating the leaves, they make long holes, after that, entire leaf is eaten. 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/ litre or Chloratriniliprole 18.5 SC @ 0.4 ml/litre in clear weather. Monitor the field regularly.</i></li> <li>• <i>Regular weeding is recommended; rainfall provides good conditions for weed emergence.</i></li> </ul> |
| Cucumber, summer squash, bitter gourd, bottle gourd | Staking/care                        | <ul style="list-style-type: none"> <li>• <i>Provide staking to improve air circulation, fruit quality, and reduce disease risk.</i></li> <li>• <i>Rainfall will reduce irrigation needs; irrigate only if needed and ensure good drainage to prevent root rot</i></li> <li>• <i>Use organic mulch (straw, dry leaves) around plants to retain soil moisture and control weeds.</i></li> <li>• <i>Provide support (staking) to tall and leguminous crops</i></li> </ul>   |
| Poly house Agriculture                              | Vegetative to Early Flowering Stage | <ul style="list-style-type: none"> <li>• <i>Ensure proper ventilation using side vents or exhaust fans.</i></li> <li>• <i>Avoid excessive misting and use circulation fans for maintain air exchanges</i></li> <li>• <i>Use yellow sticky traps for monitoring.</i></li> </ul>   |
| Mushrooms   | Harvesting                          | <ul style="list-style-type: none"> <li>• <i>Maintain room temperature 17-18 degree Celsius and relative humidity of 80-85 % for good crop. Ensure air circulation by fans to prevent water retention on mushroom.</i></li> <li>• <i>Avoid excess watering which promotes bacterial contamination.</i></li> <li>• <i>Store in cool and ventilated space, or sell immediately due to fast perish ability in humid weather.</i></li> </ul>  |
| Horticulture  | Maturity                            | <ul style="list-style-type: none"> <li>• <i>Maintain tree basins weed-free and mulched to conserve moisture.</i></li> <li>• <i>Provide support to young plants and vines</i></li> </ul>  |
| Tea   | -                                   | <ul style="list-style-type: none"> <li>• <i>Avoid plucking during or just after rain to reduce fungal contamination in processed leaves.</i></li> </ul>  |
| Floriculture  | Flowering stage                     | <ul style="list-style-type: none"> <li>• <i>Maintain proper plant spacing to ensure airflow and reduce disease.</i></li> <li>• <i>Protect nurseries with shade net and ensure good drainage</i></li> </ul>   |



|  |      |  |
|--|------|--|
|  |      | <ul style="list-style-type: none"> <li>• <i>Spray mancozeb or carbendazim (0.1%) after rainfall to prevent fungal disease.</i></li> </ul>  |
| Apiculture   |      | <ul style="list-style-type: none"> <li>• <i>Keep bee boxes in well-ventilated, elevated, and shaded areas—avoid direct rain and strong wind exposure.</i></li> <li>• <i>Place hives on raised stands to protect from waterlogging and ant entry.</i></li> <li>• <i>Relocate hives to sheltered and elevated areas</i></li> </ul>   |
| Livestock: Cattle, Sheep and Goat etc.   | Care | <ul style="list-style-type: none"> <li>• <i>Prevent water stagnation near animal sheds to avoid mosquito-borne diseases.</i></li> <li>• <i>Provide mineral mixture daily to support lactation and health.</i></li> <li>• <i>Sheep and goats are more sensitive to wet, muddy ground. Use raised slatted flooring or dry bedding like straw.</i></li> <li>• <i>Clean and cover feed/water sources.</i></li> </ul> |
| Poultry  | Care | <ul style="list-style-type: none"> <li>• <i>Keep bedding material dry—change or stir litter daily to prevent fungal/bacterial infections.</i></li> <li>• <i>Use lime or bleaching powder around sheds to prevent waterlogging and pathogen buildup.</i></li> <li>• <i>Clear stagnant water near the shed to avoid mosquito breeding and fly infestation.</i></li> </ul>  |
| Fisheries  | Care | <ul style="list-style-type: none"> <li>• <i>Ensure proper inlet and outlet systems to avoid overflow or contamination from surrounding runoff.</i></li> <li>• <i>Ensure that ponds are well-cleaned and de-silted before fresh stocking.</i></li> <li>• <i>Feed early morning and late afternoon during cooler parts of the day.</i></li> </ul>  |
| <b>Impact based advisories (General):-</b> <ul style="list-style-type: none"> <li>• Waterlogging in low-lying fields may lead to root damage, fungal infections, and stunted crop growth.</li> <li>• Increased chance of damping-off disease in nursery beds.</li> </ul> |      |  |

## Kullu and Mandi

### Weather Warnings (Valid Till 08:30 IST of next day):

- No Warning.

### Likely impacts of weather warnings on Agriculture and associated Agromet advisories:

- Farmers are advised to make proper drainage channels in their fields to avoid water stagnation, in case of heavy rainfall.

### General Advisory

- NDVI map received from the India Meteorological Department indicates that agriculture vigour is good over isolated places of the district.
- Farmers are advised to make proper drainage channels in their fields to avoid water stagnation, in case of heavy rainfall.
- Farmers are advised to monitor the pest and disease attack on their crops which is expected in prevailing weather conditions.
- Farmers are advised to download the MEGHDOOT app from their mobile Play store to acquire information regarding agromet advisory in the local language app. Click the following link to download the app:
- For Android users: [https://play.google.com/store/apps/details?id=com.aas.meghdoot&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.aas.meghdoot&hl=en_IN&gl=US)
- For IOS users: <https://apps.apple.com/in/app/meghdoot/id1474048155>

**SMS Advisory:**

For the control of White root rot, drench the basin area 3-4 times, with Carbendazim (0.1%) or Aureofungin (0.05%) + Copper Sulphate (0.05%) with the onset of rainy season to a depth of 15-20 cm.

| Main Crops                                 | Crop Stage   | Weather-based Agro-advisories  |
|--|--|--|
| <b>Apple</b>                               | <b>Fruit Development Stage</b>                           | <ul style="list-style-type: none"> <li>Due to increased humidity, farmers need to keep a close eye on their apple crops for signs of as scab, black rot, Alternaria leaf spot/Premature leaf fall.</li> <li>For the control of White root rot, drench the basin area 3-4 times, with Carbendazim (0.1%) or Aureofungin (0.05%) + Copper Sulphate (0.05%) with the onset of rainy season to a depth of 15-20 cm.</li> <li>To control Alternaria leaf spot/Premature leaf fall, spray Carbendazim 25% + Flusilazole 12.5 % SC @ 160 ml in 200 L of water.</li> <li>To control the attack of scab and black rot in apple, spray Zineb @ 600 gm in 200 L of water as preventive measure, in the fruit development stage.</li> <li>Spray Spiromesifen @ 60ml in 200 L of water to control attack of mites on apple crop.</li> </ul> |
| <b>Pear</b>                                | <b>Fruit Development Stage/Fruit Maturity/Harvesting</b> | <ul style="list-style-type: none"> <li>Since the fruits are ready to harvest, so plan the harvesting keeping the weather forecast in mind.</li> <li>Harvest the fully matured fruits.</li> <li>Sorting, grading and packaging should be done.</li> </ul>   |
| <b>Stone Fruits (Apricot, Plum, Peach)</b> | <b>Fruit Development Stage/Fruit Maturity/Harvesting</b> | <ul style="list-style-type: none"> <li>Harvest the fully matured fruits.</li> <li>Sorting, grading and packaging should be done.</li> </ul>  |
| <b>Pomegranate</b>                         | <b>Fruit Development Stage</b>                           | <ul style="list-style-type: none"> <li>Farmers are advised to monitor the attack of the Anar butterfly on the Pomegranate which is expected in prevailing weather conditions and then go for appropriate preventive measures.</li> <li>Bacterial fruit spots on fruit surface can be managed by spraying combo product of Copper oxychloride + Streptocycline @ 400gm + 4 Packs (6 gm each) in 200 L of water, when weather is clear.</li> </ul>   |
| <b>Cucumber/Bitter gourd/Bottle gourd</b>  | <b>Flowering/Fruiting</b>                                | <ul style="list-style-type: none"> <li>Inspect the cucurbitaceous crops for insect-pest attacks and do provide support to uplift the vines.</li> <li>In case of whitefly infestation spray the plants accordingly with Imidacloprid @ 60 ml/200 ltr water.</li> <li>In cucurbitaceous crops, use pheromone trap to control of fruit fly @ 2 traps per bigha.</li> </ul>  |
| <b>Okra/Lady Finger/French Beans</b>       | <b>Vegetative/ Flowering/Fruiting</b>                    | <ul style="list-style-type: none"> <li>For the management of powdery mildew spray Tebuconazole 0.04% (40 gram per 100 L) or Hexaconazol 5 EC 0.05 % (50 ML / 100 L) at 15 days interval.</li> <li>Leaf eating insect-pest may occur during early crop stages of okra, brinjal, French bean and other vegetable crops. For management, spray Malathion 50 EC @ 750 ml in 750 litres of water for one hectare.</li> </ul>  |
| <b>Tomato/Brinjal/ Capsicum/Chilli</b>     | <b>Flowering/Fruiting/ Harvesting</b>                    | <ul style="list-style-type: none"> <li>Farmers are advised to monitor the crop for disease infestation, since there may be chances of occurrence of disease after rainfall.</li> <li>Timely harvest the matured fruit in order to avoid spoilage.</li> <li>Also, destroy infected plants to control viral diseases and spray all-purpose insecticides to control sap-sucking insects.</li> <li>Install pheromone traps @ 3-4 traps per acre for monitoring of the</li> </ul>   |

|                                 |                                  |   |
|---------------------------------|----------------------------------|---|
|                                 |                                  | <p>pest population for fruit borer in tomato.</p> <ul style="list-style-type: none"> <li>For the management of early blight, buck eye rot and fruit rot diseases spray Ridomil MZ @ 2.5 gm/L when symptoms appear.</li> <li>For the management of powdery mildew spray Tebuconazole 0.04% (40 gram per 100 L) or Hexaconazol 5 EC 0.05 % (50 ML / 100 L) at 15 days interval.</li> </ul>  |
| <b>Main Crops</b>               | <b>Crop Stage</b>                | <b>Weather-based Agro-advisories</b>  |
| <b>Maize</b>                    | <b>Vegetative</b>                | <ul style="list-style-type: none"> <li>The standing water may cause the rotting of stem which may cause lodging of crops and alternately drastic reduction in crops production and yield.</li> <li>For effective control of all types of weeds in maize crop, spray tembotrion 120gm per hectare with surfactant 20 days after sowing or topramzone 25.2 gm per hectare + atrazine 750 gm per hectare at 2-3 leaf stage of weeds in maize crop.</li> <li>If pulse crops are cultivated mixed with maize, do not use above mentioned chemicals. For this dissolve 4.5 litres of stamp per hectare in 750 lite of water and spray within 48 hours of sowing.</li> </ul> |
| <b>Kidney Beans/<br/>Rajmah</b> | <b>Germination</b>               | <ul style="list-style-type: none"> <li>Farmers are advised to do hoeing and weeding of the crop for good yield.</li> </ul>  |
| <b>Finger Millet</b>            | <b>Vegetative</b>                | <ul style="list-style-type: none"> <li>Farmers are advised to do hoeing and weeding of the crop for good yield.</li> </ul>  |
| <b>Wheat/Barley</b>             | <b>Maturity/harvesting stage</b> | <ul style="list-style-type: none"> <li>Farmers are advised not to delay the harvesting of the crop and if harvesting is already done then store the harvested seed in dry place.</li> </ul>   |
| <b>Apiculture:</b>              |                                  |   |
| <b>Main Crops</b>               | <b>Crop Stage</b>                | <b>Advisory</b>   |
| <b>Apiculture</b>               |                                  | <ul style="list-style-type: none"> <li>Maintain proper hygiene of the bee colonies.</li> <li>Insert empty frame /combs for egg laying for the queen as the population starts builds up.</li> <li>Observe the presence and performance of the queen.</li> <li>Place hives on raised stands to protect from waterlogging and ant entry.</li> <li>Protect colonies from high temperature by keeping under the shady trees.</li> </ul>  |