(Prepared on the basis of District level Weather Forecast, IMD, New Delhi)
CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur-176062
Himachal Pradesh
GRAMIN KRISHI MAUSAM SEWA Project
(Department of Agronomy Forages and Grass Land Management)
BULLETIN NO. 2020/2/Eng/UNA/6

District: UNA
Dated: 28 Aug, 20

www.hillagric.ac.in/info/kisano_ke_liye_soochna, email: ranars66@rediffmail.com
Ph.No. : +91-1894 232245 232245
Fax: 91-1894 230406

Weather parameters/Date | 29-08-20 | 30-08-20 | 31-08-20 | 1-09-20 | 2-09-20 |
--- | --- | --- | --- | --- | --- |
Rainfall (mm) | 20 | 10 | 8 | 8 | 20 |
Temp Max (C) | 35 | 34 | 36 | 35 | 35 |
Temp Min (C) | 25 | 25 | 25 | 26 | 25 |
Humidity Morning (%) | 90 | 87 | 88 | 79 | 92 |
Humidity Evening (%) | 64 | 66 | 64 | 56 | 65 |
Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |
Wind direction | 86 | 72 | 102 | 146 | 122 |
Cloud (Octa) | 2 | 0 | 6 | 7 | 8 |

Advisory for coming 5 Days:
There is **66 mm** rainfall expected in the region. Maximum temperature to **34-36°C** and minimum temperatures **25-26 °C** is expected during next five days. Relative humidity will remain between **56 to 92 per cent**. The average wind speed in next five days will remain 4 km/h. Light clouds to over cloudiness expected.

<table>
<thead>
<tr>
<th>Main Crops</th>
<th>Stage</th>
<th>Pest/Disease/Abiotic stress</th>
<th>Weather based Agro- advisories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kharif Crops</td>
<td>Nursery preparation for paddy</td>
<td>Seed treatment of fungal disease</td>
<td>Monitoring paddy against attack of blast and brown spot is advised. Spraying of recommended chemicals is advised. Monitoring for brown plant hopper (BPH) in paddy field is advised. Farmers are advised to see mosquito like insect at</td>
</tr>
</tbody>
</table>
the basal portion of the plant. Sometimes, in the paddy nursery, if upper leaves of the paddy seedlings become yellow and lower leaves remain green, it indicates the iron deficiency. Spraying of ferrous sulphate @ 0.5 % with 0.25% lime solution is recommended to overcome this problem. Rice hispa is expected in rice fields, for management clear the grasses from bunds or Spraying of recommended chemicals is advised. Rice leaf folder is also appearing for control Spraying of recommended chemicals is advised.

In Maize, stalk rot is expected in this weather for control drench maize fields with recommended chemicals a week before tasseling. In Maize stem borer is expected, for control put recommended granules.

### General Practices

Keeping in view of light to medium rainfall during next five days, farmers are advised to do proper arrangement for drainage in all vegetables, pulse, maize and nurseries of the crops. Farmers are also advised not to do any type of spray in the crops.

### Stored grains

**Storage**

Tuber moth

Weather is conducive for attack of stored grains pests like rice weevil, lesser grain borer and rice moth. In Grain store bins put one pouch of celphos (3g) or quickphos (12g) or Fumino pouch in a wet cloth in the middle of bin and keep the bin airtight for some time. Keep the grain storage air sealed Tuber moth affected potato should not be stored but should be buried in the pits outside the fields.

### Fodder crops

**Planting**

In mid hill region root slips of setaria, hathiggrass maybe planted in grasslands

### Pulse

**Weeding**

Ensure fields are weed free and have proper drainage. Hairy caterpillar is also appearing in mash and til crops for control Spraying of recommended chemicals is advised. In soybean, moong, urd crops if white flies or sucking pests seen, spraying of recommended chemicals is recommended when sky remain clear.

### Vegetable crops

Ensure proper drainage in vegetable crops. Farmer can also use Light Trap to destroy harmful pests. For this, in a
plastic tub or a large pot, mix water and a little kerosene or few gram Rogar and burn a bulb and keep it in the middle of the field at night. By attracting insects from light, they will fall on the same solution and die.

| Cucurbits | Sowing | The creepers should be lifted above the ground on a trellis made of bamboo. Attack of fruit fly expected in this weather in cucurbitaceous crops use of ‘Methyl Eugenol’ trap is advised. For control recommended chemical is advised after clear sky. In cucurbitaceous crop attack of mite and jassid is expected. In cucurbit crops, attack of red beetle insect expected in the cucurbitaceous vegetables, if the number of pests is high then spraying of recommended chemicals advised. In case of severe problem of cutworms in vegetable crops, apply chlorpyriphos 20 EC @ 2 litres of water mixed with 25 kg sand per hectare |
| Root crops | Sowing | In mid hill region nursery sowing of Chinese cabbage and direct sowing of raddish, carrot, broccoli, lettuce is advised |
| Bhindi & French bean | Plant Protection | After harvesting of mature lady finger application of urea @ 5-10 kg/acre and thereafter application of light irrigation is advised. In sub tropical climate mite and jassid are expected in lady chilli and cucurbitaceous, for control spraying of recommended chemicals is advised to control mite and spraying of recommended chemicals is advised against jassid, when sky is clear |
| Tomato, chilli, capsicum and brinjal | Plant Protection | In vegetables (brinjal, cauliflower, cabbage, tomato etc), for monitoring of borer insect, farmers are advised to use pheromone trap @ 3-4/acre. Shoot and fruit borer in brinjal and tomato crops expected, infested fruits and shoots should be collected and buried inside the soil. Installation of bird perches in tomato, pea, brinjal and gram crops is advised to control fruit borer insect. Constant monitoring of the chilli crop against attack of mites and jassid is advised. |
| Poly house Agriculture | Vegetative stage | Keep the open top and side bent on clear day and close on rainy day. For control of Powdery mildew, Aphids and spodopetra spray recommended chemicals. Ensure drainage near polyhouses. One week before sowing of crops, Keep yellow sticky trap in polyhouse and after transplanting drench plant with spray recommended chemicals. Mites expected in polyhouse spray |
| **Agro forestry** | **Sowing** | Transplant after onset of monsoon babul, subabul, khair, amla and prosopis nursery plant green in polythene bags. The saplings of eucalyptus and bamboo can also be transplanted. |
| **Livestock:** Cattle, Sheep and Goat etc. | **FMD in lower areas** | Advised not to allow animals to eat lantana these days. Consult veterinary doctor for FMD Vaccination. Ecto-parasite attack is expected in this weather for control spray Butox @ 2ml per litre in cowshed. Give mixture of hay & green fodder. Ensure cleanliness in cows having advanced pregnancy to avoid mastitis. Monitor the animals for FMD and advised Protect calves against parasites, get them dewormed with piperazine liquid @ 4 ml/kg body weight, first at 10 days of age, then 15 days and then monthly upto three months of age and then quarterly upto one year of age. |
| **Poultry** | **Chicks brooding** | Climate is congenial for attack of Diazhiria and cocksedia so, consult the nearby veterinarian. For new lot of layers chicks follow recommended schedule of vaccination for IBD and Ranikhet disease because weather is conducive for the spread of these disease. Ensure proper ventilation in poultry houses. Replace the poultry houses with fresh litter and keep the houses clean and ensure drinking water to the birds. Protect poly house from rains showers. |
| **Horticulture** | **Plant Protection** | Keep the basins of the plants free from weeds and well drained. The new growth appearing below bud union may be cut. For control citrus canker, spray recommended chemicals. |
| **Mushrooms** | **Harvesting continue** | Maintain room temperature 18-22°C and relative humidity around 85% for successful cultivation of dingri. |
| **Apiculture** | **Honey extraction stage** | Examine colonies for barroa mites. Dust sulphur on sealed brood in the colony and not on larvae to control mites attack on honeybees. For protection of ants put the legs of apiary into water so that ants could not attack apiary. |
| **Fisheries** | **Maintenance** | Due to high rainfall Fish pond should be surrounded /protected with net so that the fishes may not escape outside the pond. Water depth of atleast 5-6 feet should be maintained in order to rear all the three types of fish viz., mirror carp, grass carp and silver carp. If colour of water turns red then agitate water with stick from side. Add liming @ 25 g/m² and
manure @ 500g/m² at 15 days interval. Add supplementary feed (rice/wheat bran & mustard oil cake and rice/wheat bran) @ 5-8% of total fish biomass on daily basis. Finely crushed boiled eggs and goat liver can be given at intervals to add to vigor. To protect from microbial attack so clean your raceways regularly at 15 day intervals and give regular rock salt baths to your stock.

<table>
<thead>
<tr>
<th>Floriculture</th>
<th>Sowing Flowering stage</th>
<th>Transplanting of Chrysanthemum, marigold and sowing of gladiolus should be done on raised bed. Blue beetle attack is seen in Balsam, Zenia, cleome and rose, for control spray cypermethrin 20 ml in 10 litrs of water.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water management</td>
<td>In view of the rain, the farmer should prepare field bunds which should be high. Advised to add FYM, compost (manure compost, compost) to increase the water holding capacity and nutrients. Heavy rainfalls expected ensure proper drainage in the field. Farmers are advised make arrangement for storing rain water in pond made in the field. This water can be used for irrigation in the crops at suitable time during dry spell. Mulch material may also be arranged to use during dry spell. In rain fed areas, use of mulches is beneficial for conservation of moisture in the soil. Make proper bunds for water conservation in the rice field.</td>
<td></td>
</tr>
</tbody>
</table>

Nodal Officer GKMS, Department of Agronomy, CSK HPKV Palampur