

**DIRECTORATE OF EXTENSION EDUCATION**  
**CSK DIRECTORATE OF EXTENSION EDUCATION**  
**CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur**

**Important farm activities to be carried out during 1<sup>st</sup> fortnight of February, 2024**

The Directorate of Extension Education, CSKHPKV, Palampur, has suggested the following operations for crop and animal husbandry, to be carried out in the first fortnight of February 2024, keeping in view the season, weather and crop conditions of Himachal Pradesh.

**Wheat**

- To control narrow and broad leaf weeds in wheat crop after 30 to 35 days of sowing, spray Vesta (Metsulfuron methyl 20 WP + Clodinafop Propargyl 15 WP) @ 16 g, mix in 30 litre of water to spray one kanal area.
- To control only broad leaf weeds in wheat crop apply 2,4-D (80 WP) @ 50 g, or Metsulfuron methyl (20 WP) @ 80 ml, mix in 30 litre of water to spray one kanal area. If broad leaf crops are intercropped with wheat, do not use 2,4-D or metsulfuron methyl.
- Do light irrigation two-three days before spraying. Do not irrigate for a week after spraying. Use flat fan nozzle for spraying. Wash the pump thoroughly before and after spraying.

**Gobhi Sarson**

- Top dressing 125 kg Urea per hectare in gobhi sarson crop before flowering. Maintain proper population after thinning extra plants from the field.

**Vegetables**

- It is the right time for the sowing of radish variety Pusa Himani on flat beds or by making ridges at a spacing of 20-25 cm x 5 cm. For uniform distribution of seed, mix equal quantity of sand with the seed.
- Do weeding and hoeing in cauliflower, cabbage, onion and garlic crop while hoeing apply 50 kg urea per ha. In potato crop, apply 125 kg urea per hectare during earthing up. If required, irrigate garlic and onion after weeding.

**Plant Protection**

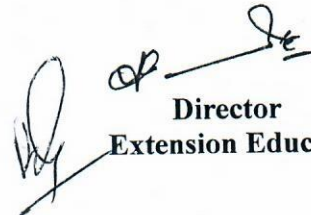
- For the management of purple blotch and stemphylium leaf blight in onion and garlic crop, spray mancozeb or ridomil 2.5 g/l of water.
- For the management of yellow rust disease in wheat crop, spray tilt (propiconazole 25 EC) or folicure (tabuconazol 25 EC) or belaton @ 1ml/litre of water. Apply 30 litre of water in one kanal area.
- To control aphids in mustard crop, spray dimethoate (30 E.C.) or oxydemeton methyl (25 EC) @ 1 ml/lit. of water in the evening hours. For effective control, use 30-litre solution in one kanal area. Spray before 9.00 am so that friendly insects like bees do not get harmed. Do not spray pesticides in leafy crops.
- To control soil borne insects i.e. white grubs or cutworms in potato or other crops, mix 2 litre chlorpyrifos (20 EC) with 25 kg sand for one-hectare area and incorporate the mixture into soil before sowing or transplanting of vegetable crops.
- Monitor gram pod borer in gram crop and in case of severe infestation, contact scientists or agricultural officials.

## Livestock

□ Severe cold will continue in the plains and hilly areas in the month of February. Due to near - zero temperatures in the hilly areas and severe cold, fog and mist in the plains, the production and reproductive capacity of animals gets affected and many diseases can appear. After snow and rainfall ensure all measures to protect the animals from cold, i.e. arrangement of light in extremely bad weather condition, covering of animals with thick clothes or with jute gunny bag, lukewarm water for drink, feeding the animals a mixture of cake and jaggery to maintain their body temperature, spread dry roughages on the cowshed floor, etc. Monitor the health of animals during winter and seek veterinary advice immediately as soon as initial symptoms of any disease appears. Some of infectious diseases can prove fatal to the animals. Infectious diseases in sheep and goats like entero-toxemia and pox are possible in Kinnaur district. Affected animals of entero-toxemia may show signs such as abdominal kicking, frequent lying down and getting up and diarrhea. To prevent entero-toxemia and other infectious diseases, get them vaccinated as per the advice of the veterinarian. To prevent mastitis in dairy animals, complete milking should be done. Newborn animals should be fed anti-parasitic medicine as per the advice of a veterinarian to keep them dewormed.

□ In the month of February, fish farmers should start preparing their pond for rearing fish. During open weather condition, sprinkle lime @ 25 to 30 grams per square meter in the pond. After one or two days of lime application, use organic fertilizer (cow dung, poultry manure or other organic waste) at the rate of 2 kg per square meter. For the first time, use organic fertilizer @ 1 kilogram per square meter and after 7 to 15 days, use the remaining fertilizer in several installments. After using fertilizer, fill the pond with water and leave it for 15 to 20 days. Apart from this, farmers should also clean their old ponds.

**Keeping in mind the agro-climatic conditions prevailing in the area, farmers and live-stock keepers are advised to be in touch with the nearest Krishi Vigyan Kendra or Agriculture officers or Agriculture Technology Information Centre (ATIC-01894-230395/1800-180-1551) for detailed information.**

  
Director  
Extension Education

**Issued in the interest of farmers by the Directorate of Extension Education,  
CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur**

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