

**DIRECTORATE OF EXTENSION EDUCATION
CSK HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA, PALAMPUR**

**Important farm activities to be carried out during 2nd fortnight of
February, 2018**

The Directorate of Extension Education, CSKHPKV, Palampur, has suggested the following operations for crop and animal husbandry, to be carried out in the second fortnight of February, 2018, keeping in view the season, weather and crop conditions of Himachal Pradesh.

Crop Production

- For the control of weeds in wheat, where the weeds are at 2-3 leaf stage, make the solution of isoproturon (75 WP) @ 70g and 2,4-D @ 50g in 30 litres water and spray it in one kanal. This stage is reached in those days in areas where the sowing of wheat has been done during the second fortnight of December. Spray these herbicides on the clear day.
- The irrigation after spray, if any, should be light. Flooding or heavy irrigation reduces the effect of these herbicides.
- This time is also suitable for sowing of sunflower in low and mid-hill areas. Sowing of EC-68415 variety can be done by keeping row to row distance of 60 cm and plant to plant distance of 25-30 cm.

Vegetable Production

- In low hill areas of the State, it is the optimum time for sowing of Okra 'Parbhani Kranti', 'Palam Komal' . 'P8', 'Arka Anamika', 'Varsha Uphar', 'Tulsi' (hybrid), 'Panchali' (hybrid) Ummang (hybrid), Indernil (hybrid) and French bean 'Contender', 'Palam Mridula' 'Premier', Phalguni, 'Solan Naina, or 'Arka Komal'. At the sowing time, apply about 100 q well rotten FYM, 150 kg IFFCO (12:32:16), 50 kg MOP and 50 kg Urea in Okra and 200 q FYM, 310 kg IFFCO (12:32:16) per hectare in French bean. Pre-emergence spray of Lasso (Alachlor) @ 3 liters or Stomp (Pendimethalin) @ 4 lit. per 750 litres of water per hectare can be done for effective weed control in Okra and French bean (within two days of sowing). Direct sowing of improved varieties of cucumber, 'Long Green', 'Poinsette' 'Amrit' (hybrid), 'Noori (hybrid)', 'Malini' (hybrid), F₁ 243, Summer squash 'Pusa Alankar', 'Australian Green', Bitter gourd 'Solan Hara', 'Solan Safed', 'Chaman' (hybrid), Palli (hybrid) and Bottle Gourd 'Pusa Manjri', 'Pusa Meghdoot', 'PSPL' can be done in these areas.
- In mid hill areas, it is the best time for nursery raising of high yielding varieties of tomato viz. 'Palam Pink', 'Palam Pride', 'Avtar' (hybrid-7711), Yash (hybrid), Hemsona (hybrid), and Naveen 2000+ (hybrid), brinjal ('Arka Nidhi', 'Arka Keshav' and 'Hisar Shymal'), chilli (Surajmukhi) and capsicum ('California wonder' and 'Yolo Wonder'). Prepare nursery beds of appropriate sizes having 3 meters length, one meter width and 10-15 cm above the ground surface. Mix 20-25 kg well rotten FYM, 200 g SSP or 200g IFFCO, 15-20 g Indofil-M 45 and 20-25 gm Folidol dust per bed on the top layer of the soil and seeds are sown in rows at a distance of 5 cm. In these areas, polytube nursery raising of cucumber, summer squash, bittergourd, bottle gourd, ridge/sponge gourd can also be done. Use polythene bags (1/2 kg capacity) and fill them with a mixture of FYM and soil (1 : 1 part). Sow 1-2 seeds per bag and place them either in polyhouses or varandas for better germination.

Plant Protection

- For the control of aphids on brown sarson and raya, spray cypermethrin-10 EC or methyl demeton-25 EC or dimethoate-30 EC (@1ml/lit. of water.
- Monitor gram crop for the appearance of pod borer, a serious pest of the crop and spray NPV 350-500l/ha. In case of heavy infestation, spray the crop with carbaryl-10 DP (@ 25 kg/ha) or cypermethrin (0.01%) or azadirachtin (0.03%) or 875 ml. monocrotophos 36 SL (monocil) in 625 lit. of water.
- Spray malathion 50 EC (@ 1ml/lit. of water for the control of aphids and caterpillars in cauliflower and cabbage.
- Spray Indofil or Ridomil MZ (25 g in 10 lit. of water) for the control of various diseases of onion.

*1 ha (hectare)=12.5 bigha or 25 kanal

- In case symptoms of yellow rust appear in wheat crop spray the fungicides Tilt (Propiconazole) 25 EC @ 0.1% i.e. 30ml per 30 litres of water per kanal. Repeat the spray after 15 days interval.

Livestock

- Mix the chaffed green fodder with dry roughages in the ratio of 10:1 and supplement the concentrate mixture with 2 percent mineral mixture and 1% salt. As the green fodder supply increases, the animals exhibit heat symptoms in more number, watch the animals for heat symptoms and get them inseminated 2-3 months after parturition.
- Get your animals vaccinated for foot and mouth diseases. Protect the calves against parasites. Also keep them warm by providing clean and warm bedding. Give them vitamin 'A' concentrate 1 ml daily in milk for 3 days and repeat after one month.
- Dry-off pregnant animals two months before calving and continue to provide them 2 kg concentrate mixture daily.
- Vaccinate the female calves at 5-6 months of age against brucellosis.
- Get your animals examined for pregnancy after 2-3 months of mating/artificial insemination. Consult the local veterinarian for various problems about animals.
- In case of poultry, plan replacements of chicks well in advance and purchase day-old vaccinated chicks from reputed hatcheries. Be careful about maintaining appropriate temperature in brooder house along with plenty of feed and fresh water. Make sure to deworm your older flocks every month against round-worms. Make it a point to cull old and uneconomical stock.
- In rabbits, mating can be done in the end of February to get kits in the end of March or early April. Avoid clipping of wool. Provide proper nutrition to animals.
- For fish farming, resume the organic manuring @ 120 kg/acre/week of FYM along with supplementary feeding of balanced concentrate mixture.

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

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06/02/18

Director

Extension Education

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

CC :

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