



भाकृअनुप-केन्द्रीय शुष्क बागवानी संस्थान

श्री गंगानगर राजमार्ग, बीछवाल, बीकानेर-334 006 (राज)

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Dated 18.04.2020

Arid Horticulture Technological Farmers Advisory

1. The cucurbit vegetables (like Kachri, snapmelon, watermelon, long- melon, ridgegourd and bottlegourd, pumpkin, etc.) grown during summer season, may be attacked by downy mildew disease at this time. In this disease light yellow angular spots on upper surface of leaves and purple coloured spots of downy mildew fungi occur on lower surface of leaves. It may be controlled by spraying 1.5 gram *Ridomil* or 2.0 gram *Mancozeb* per litre of water on the crops twice at the interval of 10 days.
2. During this period, wilt disease may occur in cucurbitaceous vegetables due to which the leaves of the affected plants become yellow and after some time it die. At this stage of crop, the wilt disease may be controlled by drenching the solution of 1.0 gram *bavistin* per liter of water in crop fields or spray of neem leaves extract @ 2.0 ml in 1.0 liter of water twice at the interval of 10 days is advised to control this disease.
3. Due to change in weather, the possibility of attack of fruit flies in cucurbits in which fruit setting already started is high. For integrated management of fruit fly, affected fruits should be collected, buried in soil and 8-10 cue-lure traps per ha. should be installed prior to flowering. If the attack of fruit fly is severe, spray of dimethoate (30 EC) @ 1.5-2.0 ml/l or spinosad (45 SC) @ 0.4-0.5 ml/l of water should be done during clear weather.
4. In pomegranate, mite infestation increase suddenly during hot dry weather. Adult and nymphs feed on the lower leaf surface by sucking sap. Shiny white or brown patches can be seen on the under surface of affected leaves which may further curl and fall. Leaves show reddish look on severe infestation and give red colour on pressing with thumb. Spray of propargite (57% EC) 1.5-2 ml/l or spiromesifen (240 SC) 0.4-0.5 ml/l in rotation during dry weather and application of regular irrigation is suggested for effective management.
5. As the temperature of the environment is increasing day by day and there is possibility of blowing the hot winds. Therefore, farmers are advised to irrigate their vegetable and fruit crops/orchards regularly using appropriate method/technique of irrigation and also take some measures to conserve the soil moisture using mulches of materials like dry grass, straw or green shed nets, etc.
6. The farmers are advised for proper harvesting of fruits/produces of summer vegetables on time, essentially early in morning and after grading- packing of them same may be sold in appropriate local markets/*mandies* so that you can get ruminative price of the produces.
7. To save from the infection of COVID-19, the farmers are advised, to maintain proper social distance (6-7 feet) while doing their daily routing work of farming; wash the hands time to time (again and again) with soap, use mask essentially while working in fields/homes and all agricultural implements/machines like harvester, threshers, tractors, trolley, sprayers and others should be used after proper cleaning and sensitization.
8. Please, download the "Aarogya Setu" App in your mobile for staying informed and alert against COVID-19.