

## SEVENTH ADVISORY 2022 for the management of apple diseases

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**Advisory based on the inputs from virtual “Bayer Disease Prediction System” and collaborative research project of Department of Plant Pathology on ‘Validation of Prediction System for Apple Foliar Diseases’ funded by Bayer Crop Science Limited.**

On the basis of virtual data received through “Bayer Disease Prediction System” and periodical field surveys conducted by the scientists of the Department of Plant Pathology and representatives of Bayer Crop Science Limited during the last fortnight, severe incidence of Alternaria blight, mild incidence of premature leaf fall in apple has been recorded. Even the mild incidence of apple scab has been recorded in few locations of the state.

As there are continuous rains, the weather conditions have become more congenial for occurrence of premature leaf fall. Further, visible symptoms of other important foliar diseases viz., Alternaria blight, and Apple scab have also been noticed at some locations. Keeping in view these observations, following advisory is issued to the farmers:

- For the management of premature leaf fall and Alternaria blight, thus farmers are advised to spray if the need arise, metiram 55% + pyraclostrobin 5% WG (200 gm / 200L of water) **or** tebuconazole 8% + captan 32% SC (500 ml / 200L of water) **or** fluxapyroxad 250g/l + pyraclostrobin 250g/l 500 SC (20 ml / 200L of water) **or** fluopyram 17.7% w/w + tebuconazole 17.7% w/w SC (126 ml / 200L of water) **or** dodine 40% SC (150ml / 200L of water) **or** tebuconazole 50% + trifloxystrobin 25% WG (80 gm / 200L of water) **or** carbendazim 25% + flusilazole 12.5% SC (160 ml / 200L of water).
- To prevent the development of apple scab, thus farmers are advised to spray if the need arise, mancozeb or propineb or zineb or ziram (600gm / 200L of water) or dodine 40% SC (150ml / 200L of water).
- In those areas where harvesting have been completed, spray of copper oxychloride @ 600gm/200L should be done within 24 hours of harvesting to avoid the infection and spread of the different cankers due to the injuries caused to the plants. *during harvesting.*

Overall, the main focus should be primarily for the management of Alternaria blight, Premature leaf fall, and Apple Scab. Other sprays mentioned in the spray schedule should be used specifically if the need arise. Farmers are also advised to report the symptoms of the diseases with photographs and queries, if any on [hodmpp2014@gmail.com](mailto:hodmpp2014@gmail.com).

  
Professor & Head