

मौसम पूर्वानुमान आधारित साप्ताहिक सलाह

Weather Forecast Based Weekly Advisory

(Assumption: Fruit Pruning date - 15/10/2017)

I. Weather Data for the Prevailing Week

Thursday (22/02/2018) - Thursday (01/03/2018)

Location	Temperature (°C)		Possibility of Rain	Cloud Cover	Wind Speed (Km/hr)	R H%	
	Min	Max				Min	Max
Nasik	20-22	35-36	Nashik, Ojhar, Palkhed, Dindori, Vani Baswant, Niphad Shirdi, Loni Pimpalgaon Kalwan, Devla, Satana No Rain	Clear to Partly Cloudy	00-16	18-24	41-43
Pune	22-23	36-37	Pune, Phursungi Narayangaon, Junnar-Loni Kalbhor, Patas, Supa, Baramati Uruli Kanchan, Yavat No Rain	Clear	00-16	16-20	37-45
Solapur	22-25	35-38	Solapur, Nanaj, Kasegaon, Pandharpur, Atpadi, Kati Osmanabad, Tuljapur Latur, Ausa, Vairag, Pangri, Barshi No Rain	Clear	04-20	16-21	39-51
Sangli	20-22	35-38	Sangli, Miraj, Shirguppi, Kagvad, Palsi, Vite Arag Shetfal Kavatha Mahankal, Palus, Valva, Tasgaon Khanapur No Rain	Clear	03-21	13-22	35-66
Bijapur	21-24	34-37	Bijapur Tikota, Telsang Chadchan No Rain	Clear	07-19	24-35	48-54
Hyderabad	17-20	32-35	Hyderabad, Medchal, Zahirabad No Rain	Clear	01-14	29-34	64-84

Note: Above weather information is summary of weather forecasting given in following websites <http://www.imd.gov.in/>, <http://wxmaps.org/pix/prec6.html>, <http://www.fallingrain.com/world/IN/>, <http://www.wunderground.com/>, <http://www.bbcweather.com-weather/1269750>, etc..

II. b) Expected growth stage of the crop: - Post Veraison stage

III. Nutrition and irrigation management (Dr. A.K. Upadhyay)

Expected pan evaporation: 6 to 8 mm

Amount of irrigation advised

1. From Berry development stage onwards till maturity, apply irrigation through drip @ 10,200 – 13,600 L/ acre/ day.
2. Remember that if the soil is at field capacity (wapsa) then donot irrigate.
3. Flooding the vineyard is not advised as it will lead to wastage of water. Concentrate irrigation water application in the root zone only.
4. The plots which have entered into rest period provide only need based irrigation to protect the existing leaves from drying and also contribute towards increasing the reserves of the vines through photosynthetic activity. The quantum of irrigation water applied should be approx. 3000L/ acre, once in a week. Care should be taken to reduce/stop the water in case new growth is observed on the shoot.

IV. Soil and Nutrient management (Dr. A.K. Upadhyay)

Berry Development stage:

1. Apply Sulphate of potash or 0-0-50 @ 25 kg/ acre in 3-4 splits for next two weeks. Total potassium application (SOP) should be approx. 60 kg/acre during this stage.
2. In calcareous soil, apply zinc sulphate @ 10 kg/acre along with Ferrous sulphate @ 10kg/acre after 8-10 mm berry size and before Veraison initiation.

Ripening to Harvest stage:

1. Apply Sulphate of potash or 0-0-50 @ 25 kg/ acre in 3-4 splits for next two weeks. Total potassium application (SOP) should be approx. 60 kg/acre during this stage. Follow this up with Magnesium sulphate @ 10 kg/acre in two splits. Spray Magnesium sulphate in calcareous soil.

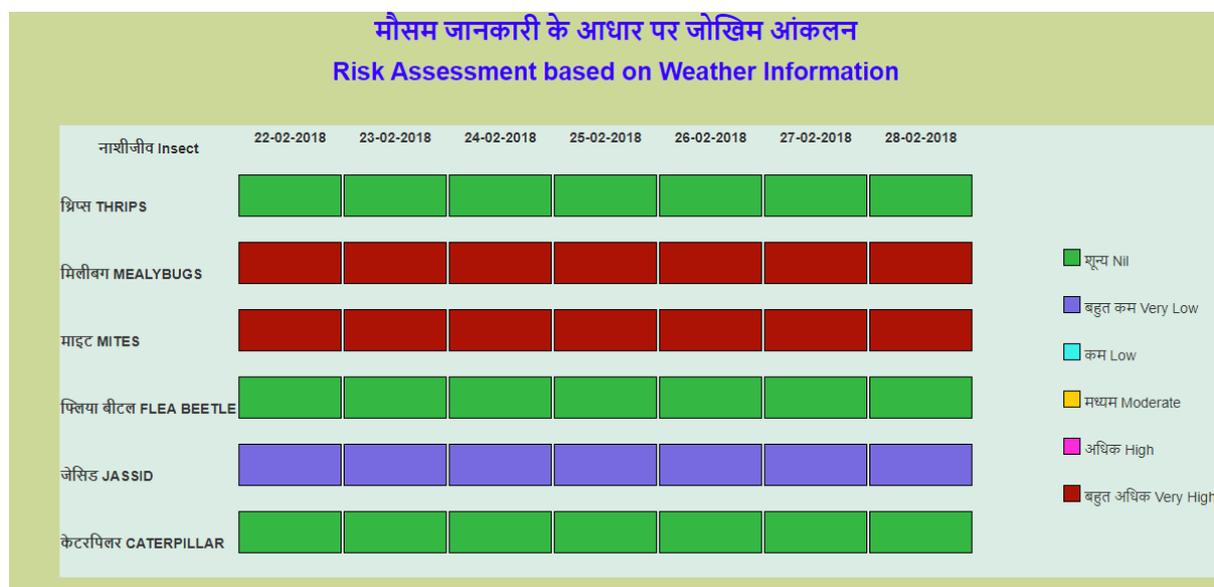
Rest period:

1. Apply 10kg Urea, 10 kg DAP and 10 kg Sulphate of Potash/ acre in two splits every 15-20 days.

Foundation pruning:

1. If planning for foundation pruning in next 10- 15 days, it is advised to get soil and water analysed for planning nutrient and water application schedule for foundation pruning season.

VII. Insect and Mite management. (Dr. D.S. Yadav)



- Vineyards may have higher mealybug infestation. Buprofezin 25 SC @ 1.25 ml/L water (PHI 45 days) is effective for management of mealybugs.
- Mite population may start building up in the vineyards, therefore, careful monitoring is essential. Sulphur 80WDG @ 2.0 g/L water is effective against mites. Weekly water sprays of 1000 litres water per acre may help in removing dust from leaves and breaking mite webbings which in turn may reduce mite population build up.

Crop advisory relevant to different places is prepared by experts, considering forecasted weather, crop growth stages in majority of vineyards and ground information on incidence of different conditions in different grape growing areas received from regular interaction with progressive grape growers. No claims are made on its correctness.

Usefulness of this information may be communicated to us at director.nrcg@icar.gov.in.