



ICAR-NATIONAL RESEARCH CENTRE FOR GRAPES, Manjri, Pune.



WEATHER DATA FOR THE PREVAILING WEEK

Thursday (30/07/2026) – Wednesday (05/08/2026)

Location	Temperature (°C)		Possibility of Rain	Cloud Cover	Wind Speed (Km/hr) Min-Max	R H%
	Min	Max				
Nashik	22-23	25-28	Nashik, Ozar, Kalwan, Pimpalgaon Baswant, Dindori, Palkhed – Thu, Fri, Sat Sun, Mon, Tue, Wed- Drizzling to very High rain Loni - Thu, Fri, Sat Sun, Tue, Wed - Drizzling to heavy rain. Vani - Thu, Fri, Sat Sun, Tue, Wed - Drizzling to very heavy rain.	Clear to cloudy	27-32	77-86
Pune	22-23	26-28	Pune, Phursungi, Loni Kalbhor, Uruli Kanchan, Patas, Yavat, Narayangaon, Baramati - Thu, Fri, Sat, Sun, Mon, Tue, Wed - Drizzling to Light rain Indapur- Thu, Fri, Sat, Sun, Mon, Tue, Wed - Drizzling to heavy rain.	Clear to cloudy	16-30	72-83
Solapur	21-22	25-27	Solapur, Thu, Fri, Sat, Sun, Mon, Wed - Drizzling to Light rain. Vairag, AUSA, Barshi, Nannaj - Thu, Fri, Sat, Sun, Mon, Tue, Wed – Drizzling to heavy rain. Latur- Thu, Fri, Sat, Tue, Wed- Drizzling to Heavy rain. Tuljapur- Thu, Fri, Sat, Sun, Tue, Wed - Drizzling to Heavy rain. Pandharpur- Thu, Fri, Sat, Sun, Mon, Tue, Wed – Drizzling to very heavy rain.	Clear to cloudy	10-35	76-86
Sangli	22-23	27-29	Miraj, Sangli, Walva, - Thu, Fri, Sat, Sun, Mon, Tue, Wed – Drizzling to Light rain Shirguppi– Thu, Fri, Sat, Sun, Wed- Drizzling rain Palsi, Palus, Khanapur Vita- Thu, Fri, Sat, Sun, Tue Wed- Drizzling to High rain. Kawtha- Thu, Fri, Sat, Tue Wed- Drizzling to High rain. Shetphal- Thu, Fri, Sat, Sun, Mon, Tue, Wed- Drizzling to High rain.	Clear to cloudy	30-36	67-81
Vijayapura	22-23	27-30	Chadchan, Tikota, Telsang, Vijayapura – Thu, Fri, Sat, Sun, Mon, Tue, Wed – Drizzling to Light rain	Clear to cloudy	39-56	56-75
Hyderabad	23-24	27-32	Hyderabad, Medchal- Thu, Fri, Sun, Wed- Drizzling to moderate rain.	Clear to cloudy	20-34	58-84

			Zahirabad- Thu, Fri, Sat, Sun, Mon, Tue, Wed- Drizzling to very heavy rain			
Satara	21-22	25-27	Khatav, Satara- Thu, Fri, Sat, Sun, Mon, Wed- Drizzling to Light rain Phaltan- Thu, Fri, Sat, Sun, Mon, Tue, Wed – Drizzling to Light rain.	Clear to cloudy	10-35	76-86
Ahmednagar	22-23	26-30	Ahmednagar, Shrigonda, - Thu, Fri, Sat Sun, Mon, Tue, Wed- Drizzling to Moderate rain. Karjat- Thu, Fri, Sat, Sun, Mon, Tue, Wed- Moderate to vey heavy rain. Akole, Sangamner, Kopargaon, Rahata, Jamkhed- Thu, Fri, Sat, Sun, Mon, Tue, Wed- Drizzling to vey heavy rain.	Clear to cloudy	30-42	60-80
Jalna	22-24	27-30	Jalna, Ambad, Ghansavangi, Mantha- Thu, Fri, Sat Sun, Mon, Tue, Wed- Drizzling to vey heavy rain. Jafrabad- Thu, Fri, Sat, Sun, Mon, Wed- Drizzling to vey heavy rain.	Clear to cloudy	21-31	66-86
Buldhana	22-23	26-29	Buldhana, D. Raja, Sindkhed raja, Chikhli - Thu, Fri, Sat, Sun, Mon, Tue, Wed- Drizzling to vey heavy rain.	Clear to cloudy	25-48	70-87
Kolhapur	22-23	26-28	Kagal, Karveer, Gagan-bavada- Thu, Fri, Sat Sun, Mon, Tue, Wed- Drizzling to Light rain.	Clear to cloudy	18-31	76-84
Bengaluru Rural	20-21	28-30	Anekal, Doddaballapur, Bengaluru - east, Bengaluru-north, Bengaluru-Thu, Fri, Sat, Sun, Mon, Tue, Wed- Drizzling to Light rain.	Clear to cloudy	22-35	49-62
Belagavi	20-21	24-26	Belagavi, Gokak, Athni, Chikodi - Thu, Fri, Sat, Sun, Mon, Tue, Wed – Drizzling to Light rain.	Clear to cloudy	19-25	78-86
Bidar	22-24	26-30	Bidar - Thu, Fri, Sat, Sun, Mon, Tue, Wed- Drizzling to vey heavy rain. Humanabad, Basavakalyan- Thu, Fri, Sat, Tue, Wed - Drizzling to heavy rain.	Clear to cloudy	16-31	64-86
Bagalkot	22-23	27-31	Bagalkot, Hungund, Jamkhandi, Mudhol- - Thu, Fri, Sat, Sun, Mon, Tue Wed - Drizzling to Light rain.	Clear to cloudy	39-56	56-75

Note: Above weather information is summary of weather forecasting given in following websites

https://www.wunderground.com/?cm_ven=cgi

<https://imdagrmet.gov.in/weatherdata/BlockWindow.php>

<https://www.timeanddate.com/weather/india>

ICAR-National Research Centre for Grapes does not claim accuracy of it.

II. Water management

Pan evaporation: 2 – 5 mm

Amount of irrigation advised:

- a. There is possibility of drizzling to moderate rains in many regions. In case the soil is under wapsa (field capacity) condition, donot irrigate the vineyard.
- b. Practice mulching to keep the bunds moistened. This will reduce the salinity build up in the root zone due to evaporation of the moisture from the surface of the bund.
- c. **Cane maturity stage:** Apply irrigation through surface drip @ 1000 to 2800 L/acre per day.
- d. In case of monsoon rains, remove mulch cover on the bund and allow the rain water to seep into the soil. This will leach the accumulated salts in the rootzone. The mulch so removed can be mixed with the soil to improve the soil porosity.

Soil and Nutrient management :

1. In many of the grape growing areas, continuous spells of rains have been received and further also possibility of rains are there. The soils are already saturated. This has affected the rooting activity. Due to prolonged saturation, the roots may have started decaying. **Donot disturb the soil in the root zone. Wait for the soil to come to the wapsa condition before any soil related intervention has to be done.** Growth will be slow and cane maturity will be affected but donot worry. Only after wapsa, fertilizer application should be done.
2. Due to continuous sprays the leaf will not look healthy, need based sprays should be followed as the leaf health is bound to affect the photosynthate formation. This will impact cane maturity.
3. After current rains, give foliar spray of SOP @ 3-5 g/L depending upon canopy size.
4. In case of calcareous soils where acute iron deficiency is observed, repeatedly spray 2-3g/L Ferrous sulphate two to three times at 3 days interval followed by 15-20 kg/ acre Ferrous sulphate application through drip. The fertigation dose should be split into atleast 3 doses of 5kg each. Apply 5kg/ acre soluble sulphur through drip every week. Also spray magnesium sulphate and potassium sulphate @ 3 gm each/ L once only.
5. Possibility of leaf curling, check the leaf margins, if slight to more yellow, possibility of potassium deficiency. Foliar spray of SOP @ 3-4g/L followed by fertigation of 20-25 kg SOP/acre in 2 to 3 splits.
6. In coloured varieties like Jumbo, Nanasaheb Purple etc., leaf curling along with reddening/ bronzing of the leaf margin can be observed if potassium deficiency is there. Foliar spray of SOP @ 3g/L followed by fertigation of 20-25 kg SOP/acre in 2 to 3 splits.

7. The light intensity is reduced due to cloudy conditions, management of canopy to improve light penetration is important for cane maturity.

Cane maturity stage

1. After current rains, give foliar spray of SOP @ 4-5 g/L depending upon canopy.
2. Potassium application is required from Cane maturity stage onwards. Approx. 64 kg of sulphate of potash (soluble grade) should be applied in this stage. Split the application into atleast five doses to reduce the leaching losses of the potassium. Apply 15 kg SOP in two – three splits during this week. In calcareous soils, provide foliar application of Sulphate of Potash (@ 4g/L) once in this growth stage.
3. Apply magnesium sulphate @ 15 kg/acre in two splits. The application should be done during 60-75 days after pruning. In calcareous soils, provide foliar application of Magnesium sulphate (@3g/L) in this growth stage.
4. In case of calcareous soils where acute iron deficiency is observed, repeatedly spray 2-3g/L Ferrous sulphate two to three times at 3 days interval followed by 15-20 kg/ acre Ferrous sulphate application through drip. The fertigation dose should be split into atleast 3 doses of 5kg each.
5. To effectively manage calcareous soil, apply 5kg/ acre soluble sulphur through drip every week. Also spray magnesium sulphate and potassium sulphate @ 3 gm each/ L once only.
6. In case due to rains and for preventive control, if bordeaux or copper sprays are given, then there is possibility of leaf reddening in coloured varieties like Krishna Seedless etc. No specific pattern will be there. This may be due to copper toxicity. Regulate copper sprays.
7. If weather forecast predicts good rainfall, then give foliar spray of SOP @ 4-5g/L depending upon the canopy size, before the advent of rains.
8. After cane maturity, raise Sunnhemp or Dhaincha for green manuring purpose.

Pre-pruning operations – Fruit pruning season

1. In case pruning is planned during August - September, raise Sunnhemp or Dhaincha for green manuring purpose.
2. The vineyards where sodicity problems are there, apply gypsum to the soil for removal of sodium from the soil exchange complex. In case of calcareous soils, use sulphur for similar purpose. The application should be alongwith FYM/compost etc. They should be mixed in the soil and not left on the top.

3. In case of calcareous soils, if SSP is applied as basal dose, mix with FYM/compost etc. to avoid phosphorus fixation.
4. Test the soil and irrigation water, to plan for nutrient and water management during fruit pruning season.
5. In areas where rains have not been received and the irrigation water availability is less, it is suggested to flood the rootzone(only) with water to leach out the salts and wet the entire soil depth before pruning and then cover with mulch. Thereafter irrigate as per availability of water.

III. Canopy Management

Based on the weather data and growth stages, following suggestions are offered for vineyard management during this week as follows.

A) Vineyard:

- 1) The rains received during the last week will help to increase the relative humidity and thus the vigor of the vine.
- 2) Shoot vigor will be more. Hence, shoot pinching should be taken up on priority basis.
- 3) With the emergence of side shoots, the incidence of powdery mildew is expected. Hence, shoot pinching and training the shoot on wire should be done. This will help to reduce the relative humidity and maintain microclimate in the canopy.
- 4) Early cane maturity is important. Hence, canopy management practices like shoot pinching and shoot training should be given priority. This will help to receive sunlight and proper aeration in the canopy.
- 5) Application of potash and reduction of irrigation water will also help to attain cane maturity in the vineyard.
- 6) In the vineyard the growers may experience milky white color of shoots at bottom. This is the indication of cane maturity initiation. Reduction of irrigation and potassium spray will help to advance the cane maturity.
- 7) Spraying of biologicals during humid conditions can help to control the disease incidence.
- 8) Under humid condition, sprouting of main bud (tiger bud) is experienced by the growers. This problem is more prominent in the vineyard where the shoots just started maturing from the bottom. In such vineyards, either water shortage or excess use of cytokinin based PGR was used. With sudden increase in relative humidity, the increase in internal gibberellins in the vine resulting into vegetative growth. However, the controlled vigor due to this condition results into pressure on the immature portion i.e., the bud. Do not pinch the shoots for two weeks but allow the growth of 4-5 leaves on shoot.
- 9) In the vineyard where cordon development is in progress, the last shoot can be tied on the cordon. This shoot needs to be pinched at 4 to 5 leaf only.

10) Application of PGR for fruit bud differentiation is necessary as prevailing weather is not favourable. Hence, 6BA and Uracil applications with recommended doses should be followed.

11) Once the side shoots start emerging, spray of P and K grade fertilizer with a minimum dose of 2 to 2.5 g per litre of water can be given.

13) In rootstock,

B) Rootstock management:

1) shoot thinning can be undertaken. Retention of 3 to 4 healthy, straight growing shoots will be useful for grafting.

2) The shoot thickness of rootstock should be 8 to 10mm at about 1.25 feet above the ground.

3) The side shoots on rootstock should be removed in the instalment so that the required thickness for grafting can be achieved.

IV. Disease management

Days after Foundation pruning	Risk of diseases			
	Downy mildew	Powdery mildew	Anthracnose	Others (specify)
111 Days	Low	Low	High	Bacterial spot- high Rust- Low

Thiophenate methyl or carbendazim @ 1g/L may be applied for the control of anthracnose in areas where heavy showers had been received. Foliar application of Trichoderma sp @ 3-4ml/L may also be applied. If there is water/ moisture on the foliage, dusting with mancozeb@3-5kg/acre may be done to control downy mildew. Application of copper hydroxide @ 1.5g/L will also give a protection against downy mildew at this stage. Incidence of bacterial spot may be high and an immediate spray of Kasugamycin + Copper oxychloride @0.75g/L may be applied to control both bacterial spot and anthracnose infection. No systemic fungicides are required at this stage. If initial attack of powdery is observed one application of Sulphur 80 WDG@ 2g/L may be given.

N.B: The date of foundation pruning is assumed to be on 10.04.26

V. Insect and Mite Pest Management

- Due to optimum weather conditions, mealybug infestation may be noticed. Use of broad spectrum insecticides should be avoided for mealybug control. Buprofezin 25 SC @ 1.25 ml/l water may be given

to manage mealybugs. Preventive plant wash, on stem and cordons, of biocontrol agents such as *Verticillium*, *Metarhizium*, *Beauveria* may be given. In case of mealybug infestation on canes, foliar application of imidacloprid 17.8 SL @ 0.4 ml per litre water should be given.

- In case of thrips or caterpillar infestation, remove excess canopy. Application of fipronil 80 WG @ 0.0625 g per litre or emamectin benzoate 5 SG @ 0.22 g per litre water is effective. Light traps may be installed outside the vineyards to manage moths for reducing caterpillar infestation. Remove excess growth after cane maturity to manage thrips.
- Mite infestation may start appearing, therefore, monitor the vineyards carefully. If mite infestation is observed, sulphur 80 WDG @ 1.5-2.0 gram per litre or abamectin 1.9 EC @ 0.75 ml/l water is effective.
- Red colour stem borer (*Dervishiya cadambae*) has started egg laying and infestation under bark in grape areas. Install light traps near the vineyards to manage moths of this stem borer. Remove loose bark from stem and cordons and give preventive wash on stem and cordons with biocontrol agent *Metarhizium* @ 3-5 ml per litre water minimum once in the month during July to September months. If infestation is observed, remove the loose bark and give stem and cordon wash with *Metarhizium* @ 3-5 ml per litre water and 1.5-2 litres water per plant.
- To manage scale insect, remove loose bark from infested grapevines and scrap scale insects manually. Afterwards, wash main trunk and cordons of infested plants with imidacloprid 17.8 SL @ 0.4 ml per litre water + *Metarhizium anisopliae* @ 3 ml per litre water.