

## ICAR-National Research Centre for Grapes, Pune

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### Advisory for Lightening, unseasonal rains and Hailstorm

IMD forecast - Thunderstorm accompanied with lightning and rain is likely to occur at isolated places in the districts of Kolhapur, Sangli Sholapur and Satara from 17-19<sup>th</sup> Feb., 2021.

#### Vineyard advisory

1. At this stage it is not advisable to spray any chemical as the crop is in harvesting stage. Untimely rains can cause berry cracking and accumulation of water in the bunches leading to bunch rot.

Hence, it is advised to give an immediate spray of chitosan@2g/litre of water. A spray of Trichoderma @6-7g/litre might follow. Tank-mix of chitosan and Trichoderma, though not advised, may be undertaken, at this juncture considering the gravity of the situation and shortage of time.

2. The soil should be at field capacity (wapsa) before untimely rains, so that the roots do not absorb water and translocate to the canopy and bunches leading to berry cracking issue.
3. Covering the vineyard with plastic cover/ hail net will protect the vineyard from hailstorm
4. Proper slope in the vineyard will drain the rain water, which otherwise would have increased humidity in the vineyard.

#### Post rains/ Hailnet

1. Immediately after the rains, tractor with air assisted spray should be made to run through the vineyard without any spray solution. This may reduce excess humidity from the canopy.
2. Remove cracked berries from the vineyard and bury 2 feet deep away from the vineyard to reduce movement of scavenging flies in the vineyards affected by untimely rains. Banana traps may be installed in the vineyards to trap and kill the flies. For detailed information, refer our Android App Grape Advisory or our website.

#### Raisins

1. Cover the raisin sheds to avoid entry of hails/ rainwater inside the drying shed.
2. If water enters inside a drying shed, remove the water immediately to avoid humidity build up.
3. Don't allow stagnation of water near the drying shed.
4. If humidity is increased, use fans to reduce humidity.
5. In case humidity increases, the possibility of browning/ microbial proliferation of the raisins increases. Sulphur fumigation @1.5-2.0 g/kg of grapes should be carried out.