



Assessment & Management of Cold Damage in Iranian Vineyards

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Abstract

grapevine is very important in Iran , In such away, this product in Horticulture sector has largest cultivation level after pistachio, and has Highest production Level after Citrus Cultivation. Chilling and freezing are damaging natural factors. That in some years, cause irreparable damages to the Vineyards. Cold stress compared to other factors threatening in vineyards are causing more damage and large areas of fertile productive regions of our country each year are at risk of cold stress and freezing. Damage levels will differs with cultivar and location in the vineyard at your location. neighbour vineyards with similar cultivars may not have the same damage levels. The most sensitive grapevine tissues to winter cold injury are buds and phloem. Frost injury in more deeper levels of Vineyard and have not been able to complete their growth. While extreme cold temperature events may not be an annual occurrence, understanding and responding to cold damage is important in maintaining the long-term health of your vineyard. Systematic sampling of your vineyard before pruning, especially during years with damaging cold events, is recommended as a part of good viticulture practices.

Keywords:

Vineyard, Chilling, Freezing, Cold Stress, Damage Assessment, Systematic Sampling

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