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Guttation

Tom Zabadal , MSU Horticulture

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This physiological vine condition may occur on spring mornings when grapevine shoots are young. If vineyard soils are saturated with water and high humidity and calm weather minimize evaporation from leaf surfaces, a positive pressure of sap in vines can cause water droplets to form on the tips of serrations on the edge of the leaf. When that water evaporates, it may leave salt deposits on the leaf margins. Guttation is not harmful to the vine.



Photo: Annemiek Schilder



Salt accumulation from guttation on the margin of a DeChaunac grape leaf in early June. Photo: Tom Zabadal

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