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Climate](#)[Viticulture](#)[Pest
management](#)[Scouting guide](#)[Publications](#)[Calendar of
events](#)[Industry links](#)[Contacts](#)

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Magnesium deficiency

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[Home](#) > [Scouting guide](#)> magnesium deficiency

A deficiency of magnesium appears first on the basal leaves of shoots as a yellowing between the veins. Some of the affected leaves will maintain a halo of green on their margins, which confirms this nutritional deficiency. Symptoms progress to dead blotches on the leaves, which may be a rusty-red. These symptoms are often associated with high levels of potassium (possibly from fertilization) in acid soils. Applying dolomitic lime and/or magnesium foliar sprays may be a remedy. Leaf petiole analysis can confirm this deficiency.



Early symptoms: green leaf margins with yellow between the veins.
Photos: T. Zabadal



Advanced stage: yellow between the veins interspersed with brown or often rust-colored areas. Photos: T. Zabadal

Additional information

- [Sampling information from MSU Soil and Plant Nutrient Laboratory](#)

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