Response of Red Globe Grapevines to Spraying Barley Seed Sprout and Silicon
Masoud, A. A. B. and R. A. Ibrahim

Abstract:

ABSTRACT The effects of spraying barley seed sprout and/or potassium silicate each at 0.025 to 0.1% on fruiting of Red Globe grapevines was examined during 2015 and 2016 seasons. The selected vines were sprayed three times with such two stimulants. Barley seed sprout and potassium silicate each at 0.025 to 0.1% single and combined applications improved growth aspects, leaf pigments, some nutrients, berry setting %, yield and fruit quality compared to the control treatment. Using combined applications was superior to using each alone. The effect on these parameters depended on increasing concentrations. Spraying a mixture of barley seed sprout and potassium silicate three times each at 0.05% improved yield and quality of Red Globe grapevines under Minia conditions.

Keywords:

Barley seed sprout, silicon, yield, quality of the berries, Red Globe grape.

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