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Horticultural Science

Influence of leafroll on local grapevine cultivars in agroecological conditions of Central Anatolia region

Akbaş B., Kunter B., İlhan D.:

Hort. Sci. (Prague), 36 (2009): 97-104

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Leafroll is one of the most important virus diseases of vineyards of Central Anatolia region. Grapevine leafroll associated viruses GLRaV-1 and GLRaV-3 are the most frequently encountered viruses related with leafroll disease of grapes. The effect of leafroll disease on yield and fruit quality was studied. The disease caused in the average 31.22% decrease

of berry weights and 28.72% reduction in total soluble solids, while titratable acidity was increased by 24.39%. The reaction of local cultivars to mixed infections of GLRaV-1 and GLRaV-3 was evaluated and Parmak, Kara dimit, Kara gevrek and Gül üzümü cultivars were considered to be the most sensitive local cultivars to GLRaV-1 and GLRaV-3.

Keywords:

Central Anatolia region; GLRaV-1 and GLRaV-3; influence; *Vitis vinifera* L.

[[fulltext](#)]

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