

Effect on grapevine genotypes

Interaction between virus and salt stress at plant interphase

Crop: Grape
Stress 1: Grapevine leafroll associated virus-3 (GLRaV-3)
Stress 2: Salt stress
Stage of the plant: 10 week old shoot stocks sub cultured every 6 weeks

Table showing the interaction between GLRaV-3 infection and salt stress in different grapevine cultivars

Viral pathogen	Genotype	Salt stress levels and duration	Time for symptom expression (days)**	Percentage infection**	Parameter type*
GLRaV-3	6_12_12	150mM NaCl	4.00	100.00	Type B
GLRaV-3	Red Globe	150mM NaCl	6.00	78.00	
GLRaV-3	Kyobo	150mM NaCl	8.00	70.00	
GLRaV-3	Cabernet Sauvignon	150mM NaCl	5.00	86	

For raw data – [Click here](#) (.xlsx file)

Reference- Cui *et al.*, 2015

Note:

* - For more information on parameters classification, please refer to 'methodology' tab.

** Values presented as it is from the source articles without subjecting them to the calculation.

Inference from the study: Cui *et al.*, 2015 showed that combination of salt stress and GLRaV infection affects the different genotypes to different intensity. Among the four genotypes studied, 6_12_12 and Kyobo are, respectively, the most and least susceptible to the stress combination.

Salinity exacerbates GLRaV-3 infection on grapevine.