

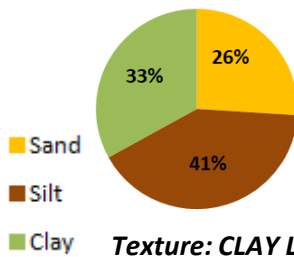


VINEYARD FEATURES

Protected area	N.D.
Elevation	124 a.s.l.
Cultivar	Croatina
Training system	Double Guyot
Distance in the row	1.2 m
Distance between rows	2.4 m
Traditional soil management technique	Alternate, mid-row spontaneous grass. Herbicides under the vine strip. Other mid-row is tilled.

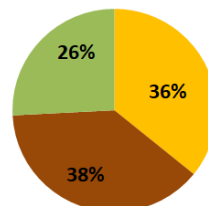
SOIL FEATURES

0-20 cm



Texture: CLAY LOAM

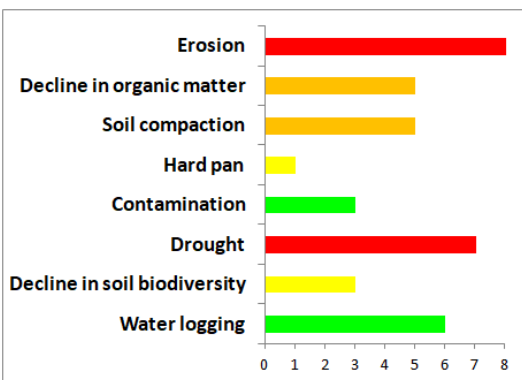
60-80 cm



Texture: LOAMY

	0-20 cm	60-80 cm
pH	6.09	5.53
Total CaCO ₃ (%)	0	0.7
Active CaCO ₃ (%)	0.7	0.5
Organic matter (%)	0.99	0.74

POTENTIAL SOIL THREATS



REAL SOIL THREATS

- EROSION
- DECLINE IN ORGANIC MATTER
- DROUGHT

MITIGATION GOALS

- reduction of erosion
- regulation of water infiltration down the slope and increased soil water holding capacity

PROPOSED SOLUTION

UNDERGROUND WATER DRAINAGE AND BETTER MANAGEMENT OF SURFACE WATER (IMPROVE AND CLEAN DITCHES)

	no effects
	not recommended
	limited effectiveness
	medium effectiveness
	strong effectiveness

	Erosion	Decline in organic matter	Compaction	Hard pan	Contamination	Drought	Decline in soil biodiversity	Water logging
Underground water drainage	strong effectiveness	limited effectiveness						strong effectiveness
Improve management of surface water	medium effectiveness	limited effectiveness						strong effectiveness



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