

SOIL HEALTH INDICATORS

FOR AUSTRALIAN VINEYARDS

LEGUME NODULES

Number per plant	
Result	Score
0 to 10	0
11 to 20	1
21 to 40	2
More than 40	3

EARTHWORMS

Number per 20 cm cube of soil	
Result	Score
0	0
3 to 5	1
6 to 9	2
More than 10	3

Number of types	
Result	Score
0	0
3 to 5	1
6 to 9	2
More than 10	3

SOIL MACROORGANISM DIVERSITY

DISPERSION

Cloudiness of water	
Result	Score
Strong (cloudy water)	0
Moderate dispersion	1
Slight (cloudy around edges)	2
No dispersion	3

SLAKING

Slaking %	
Result	Score
More than 70	0
20-70	1
Slight slaking around edges	2
Aggregate remains intact	3

WATER INFILTRATION RATE

mm per hour	
Result	Score
0-25	0
25-100	1
100-250	2
More than 250	3

SOIL PENETRATION RESISTANCE

MPa	
Result	Score
Greater than 3	0
2 to 3	1
1 to 2	2
Less than 1	3

SOIL MICROORGANISM ACTIVITY

% of cotton decomposition	
Result	Score
0	0
50%	1
75%	2
100%	3



For more information about the soil health indicators please refer to a copy of the Soil health indicators for Australian vineyards booklet which is available from www.ecovineyards.com.au
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ECO VINEYARDS
GROWING RESILIENCE NATURALLY

Wine Australia

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wine growing for the future



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