

Yield estimation

Aim : Determination of different soil management treatments on grape yield

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Surveys nb/year	1x per year;												
When?	Before harvest <div style="text-align: center;"> <table border="1" style="margin: auto;"> <tr> <td style="background-color: #d9534f; color: white;">J</td> <td style="background-color: #d9d9d9;">F</td> <td style="background-color: #d9d9d9;">M</td> <td style="background-color: #d9d9d9;">A</td> <td style="background-color: #d9d9d9;">M</td> <td style="background-color: #d9d9d9;">J</td> <td style="background-color: #d9d9d9;">J</td> <td style="background-color: #d9d9d9;">A</td> <td style="background-color: #d9534f; color: white;">★</td> <td style="background-color: #d9d9d9;">O</td> <td style="background-color: #d9d9d9;">N</td> <td style="background-color: #d9534f; color: white;">D</td> </tr> </table> </div>	J	F	M	A	M	J	J	A	★	O	N	D
J	F	M	A	M	J	J	A	★	O	N	D		
Time estimate	Approximately 20 minutes per treatment, about 1 h per vineyard												
General context/references													

Material:

Large buckets (2 per elementary plot); electronic Balance or digital hanging scale (10 kg, 10g precision); labels

Sampling method:

Direct measurement in vineyards, no sampling (samples for grape quality could be sampled at the same time); measurement could also be combined with Botrytis observation

Protocol:

- Count the number of bunches on 20 individual plants per treatment. NB: Count only the main bunches, not the smaller ones that sometimes occur higher up the shoots.
- Collect 1 ‘average’ bunch on each of these plants.
- Weigh the total weight of the 20 bunches.
- Collect berries for analysis from the 20 bunches (See SOP for grape quality)
- Determine the 100 (50) berry weight in the lab

Data collected:

Data have to be collected in a data sheet that reminds the name of the experimental site, the date, the treatment in which the survey is done. The data sheet is provided in the Dropbox in an excel file “yield estimation scoring”.xls. And final data should be placed in “yield estimation data” xls.

Yield estimation		Datum						
vineyard	row identity	covertyp e	Gewicht 10 bunches	Gewicht 10 bunches	100 beeren 1	100 beeren 2	100 beeren 3	100 beeren 4

