

Winery Benchmarker



Metrics Review Survey

Survey Due Date: **June 22 2010**

This review has been prepared in response to some 2009 participants feedback on the extent and relevance of the metrics in Benchmarker and as part of our ongoing commitment to improvement of the Benchmarker program.

We are asking all 2009 participants and companies who have expressed a strong interest in participating in 2010 to fill in our survey on the metrics within a 2 week period so that we can get Benchmarker 2010 running as fast as possible.

If multiple staff from a single site which to fill out a survey we will be very pleased to receive all of the input from any participant that they are willing to provide.

Survey Participant Details:

Company: _____
Respondents Name: _____
Respondents Role: _____
Location: _____

For each metric please rank the value to your operation for 0 to 10 with 10 being of very high value, 5 being useful and 0 being of little or no value.

Please think about what will be useful when you have or if you had good data collection systems.

We welcome any comments that you may wish to make, including if the metrics are too difficult to measure.

Please return completed survey forms to Darren Oemcke by any of the following by June 22, 2010:

Fax +61 8 8303 6752,
Email: doemcke@arris.com.au

If you have any questions, contact Darren on 0417 803 963

Overall Metrics	little or no value	useful	very high value	Comments								
Litres of finished wine per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Energy Consumption per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Water used per litre of finished wine	0	1	2	3	4	5	6	7	8	9	10	
Recycled water per litre of finished wine	0	1	2	3	4	5	6	7	8	9	10	
Rainwater usage per litre of finished wine	0	1	2	3	4	5	6	7	8	9	10	
Person hours per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Analysis person-hours per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Wastewater COD	0	1	2	3	4	5	6	7	8	9	10	
Wastewater BOD	0	1	2	3	4	5	6	7	8	9	10	
Products per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Efficiency of bulk wine transfers	0	1	2	3	4	5	6	7	8	9	10	
Cost of Maintenance per fixed asset cost	0	1	2	3	4	5	6	7	8	9	10	
Crushing Metrics	little or no value	useful	very high value	Comments								
Person-hours per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Water used per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Percent downtime of scheduled use	0	1	2	3	4	5	6	7	8	9	10	
Unplanned maintenance downtime	0	1	2	3	4	5	6	7	8	9	10	
Grapes yield	0	1	2	3	4	5	6	7	8	9	10	
Average crushing throughput	0	1	2	3	4	5	6	7	8	9	10	
Fermentation Metrics	little or no value	useful	very high value	Comments								
Person-hours per tonne fermented	0	1	2	3	4	5	6	7	8	9	10	
Water used per tonne fermented	0	1	2	3	4	5	6	7	8	9	10	
Average Ferment duration	0	1	2	3	4	5	6	7	8	9	10	
Average number of ferments per vessel	0	1	2	3	4	5	6	7	8	9	10	
Average Fermentation throughput	0	1	2	3	4	5	6	7	8	9	10	
Malolactic fermentation losses	0	1	2	3	4	5	6	7	8	9	10	
Malolactic Fermentation duration	0	1	2	3	4	5	6	7	8	9	10	

Pressing Metrics	little or no value	useful	very high value	Comments								
Person-hours per tonne pressed	0	1	2	3	4	5	6	7	8	9	10	
Water used per tonne pressed	0	1	2	3	4	5	6	7	8	9	10	
Pressing overall capacity	0	1	2	3	4	5	6	7	8	9	10	
Pressing cycle duration	0	1	2	3	4	5	6	7	8	9	10	
Average pressing throughput	0	1	2	3	4	5	6	7	8	9	10	
Press yield	0	1	2	3	4	5	6	7	8	9	10	
Marc produced per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Clarification Metrics	little or no value	useful	very high value	Comments								
Juice Clarification water use	0	1	2	3	4	5	6	7	8	9	10	
Juice Clarification process efficiencies	0	1	2	3	4	5	6	7	8	9	10	
Wine clarification water use	0	1	2	3	4	5	6	7	8	9	10	
Wine clarification process efficiencies	0	1	2	3	4	5	6	7	8	9	10	
Lees disposal	0	1	2	3	4	5	6	7	8	9	10	
Stabilisation Metrics	little or no value	useful	very high value	Comments								
Protein stabilisation recovery	0	1	2	3	4	5	6	7	8	9	10	
Cold stabilisation	0	1	2	3	4	5	6	7	8	9	10	
De-alcoholising water use	0	1	2	3	4	5	6	7	8	9	10	
De-alcoholising throughput	0	1	2	3	4	5	6	7	8	9	10	
Maturation Metrics	little or no value	useful	very high value	Comments								
Person hours	0	1	2	3	4	5	6	7	8	9	10	
Water used in cleaning	0	1	2	3	4	5	6	7	8	9	10	
Rackings	0	1	2	3	4	5	6	7	8	9	10	
Evaporation losses	0	1	2	3	4	5	6	7	8	9	10	
Bottling Metrics	little or no value	useful	very high value	Comments								
Person-hours	0	1	2	3	4	5	6	7	8	9	10	
Water consumption per L filled	0	1	2	3	4	5	6	7	8	9	10	
Losses	0	1	2	3	4	5	6	7	8	9	10	
Volume filled per volume scheduled	0	1	2	3	4	5	6	7	8	9	10	
Volume filled per volume capacity	0	1	2	3	4	5	6	7	8	9	10	

Dry goods wastage	0	1	2	3	4	5	6	7	8	9	10	
Average duration of changeovers	0	1	2	3	4	5	6	7	8	9	10	
Changeover time as a percentage of runtime	0	1	2	3	4	5	6	7	8	9	10	
Percentage unplanned maintenance downtime	0	1	2	3	4	5	6	7	8	9	10	
Bottling maintenance person-hours per kL filled	0	1	2	3	4	5	6	7	8	9	10	
Warehousing Metrics	little or no value			useful			very high value			Comments		
Pallets processed	0	1	2	3	4	5	6	7	8	9	10	
Months of stock held	0	1	2	3	4	5	6	7	8	9	10	
Percentage of warehouse utilised	0	1	2	3	4	5	6	7	8	9	10	
Utilities Metrics	little or no value			useful			very high value			Comments		
Refrigeration plant energy consumption	0	1	2	3	4	5	6	7	8	9	10	
Annual energy consumption	0	1	2	3	4	5	6	7	8	9	10	
Utilities maintenance man-hours	0	1	2	3	4	5	6	7	8	9	10	
Miscellaneous Metrics	little or no value			useful			very high value			Comments		
All cleaning chemicals per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Citric acid per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Tartaric acid per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Cream of tartar per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Nitrogen per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
CO2 per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
DAP per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Yeast per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Enzymes per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Perlite per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Diatomaceous earth per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
PMS (metabisulphite) per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Tannin per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
Legal water addition per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	
MLF bacteria per tonne crushed	0	1	2	3	4	5	6	7	8	9	10	

Are you running an Enterprise Resource Planning (ERP) System?

Are there any metrics that you believe should be included?

New Metrics	little or no value	useful	very high value	Comments
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			
	0 1 2 3 4 5 6 7 8 9 10			

Do you have any further comments to make?

Thank you for participating.