

Acid Trials:

1) Make a 2% solution of acid (malic(M), tartaric(T) or citric(C))

(2 gm acid/100mL H₂O = 2%)

2) Use a 50 mL wine sample

Acid addition:	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.09</u>	<u>0.10</u>
100% M or T:	0.50 mL	0.75 mL	1.00 mL	1.26 mL	1.51 mL	1.76 mL	2.01 mL	2.26 mL	2.51 mL
75% M or T:	0.38 mL	0.56 mL	0.75 mL	0.94 mL	1.13 mL	1.32 mL	1.51 mL	1.69 mL	1.88 mL
25% C:	0.11 mL	0.16 mL	0.21 mL	0.27 mL	0.32 mL	0.37 mL	0.43 mL	0.48 mL	0.53 mL
50% M or T:	0.25 mL	0.38 mL	0.50 mL	0.63 mL	0.75 mL	0.88 mL	1.00 mL	1.13 mL	1.26 mL
50% C:	0.21 mL	0.32 mL	0.43 mL	0.53 mL	0.64 mL	0.75 mL	0.85 mL	0.96 mL	1.07 mL
25% M or T:	0.13 mL	0.19 mL	0.25 mL	0.31 mL	0.38 mL	0.44 mL	0.50 mL	0.56 mL	0.63 mL
75% C:	0.32 mL	0.48 mL	0.64 mL	0.80 mL	0.96 mL	1.12 mL	1.28 mL	1.44 mL	1.60 mL
100% C:	0.43 mL	0.64 mL	0.85 mL	1.07 mL	1.28 mL	1.49 mL	1.70 mL	1.92 mL	2.13 mL

3) Based on trial results, the acid addition value represents the number of grams of acid to add per litre of wine.

(For example, if using 100% tartaric acid and the 1.00 mL trial yielded the best results, then the acid add would be 0.04 grams per litre of wine.)