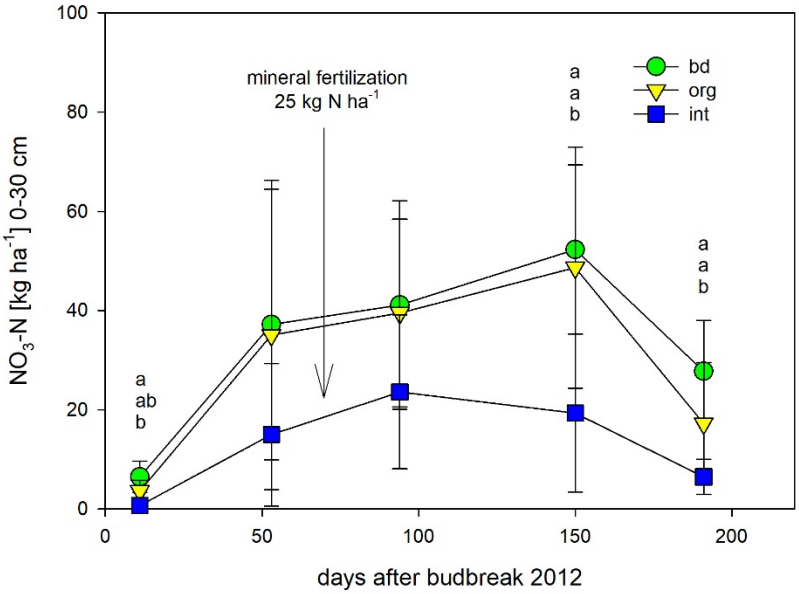
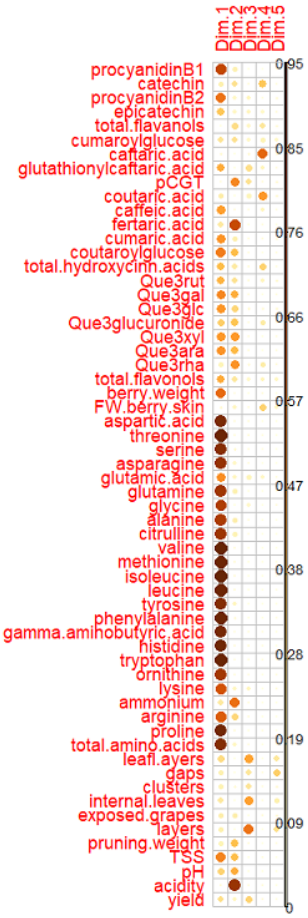
SUPPLEMENTARY DATA
Döring, J., Will, F., Löhnertz, O., Krause, B., & Kauer, R. (2022). The impact of sustainable management regimes on amino acid profiles in grape juice, grape skin flavonoids and hydroxycinnamic acids. *OENO One*, *56(*2).
https://doi.org/10.20870/oeno-one.2022.56.2.5437

Supplemental Material



SUPPLEMENTAL FIGURE S1. Mineralised nitrogen content (NO3-N [kg ha^{-1}]) in topsoil (0-30 cm) under integrated, organic, and biodynamic viticulture in 2012.

SUPPLEMENTARY DATA
Döring, J., Will, F., Löhnertz, O., Krause, B., & Kauer, R. (2022). The impact of sustainable management regimes on amino acid profiles in grape juice, grape skin flavonoids and hydroxycinnamic acids. *OENO One*, *56(*2).
https://doi.org/10.20870/oeno-one.2022.56.2.5437



SUPPLEMENTAL FIGURE S2. Correlation plot of the principle component analysis (PCA) conducted on measurements from 2012 to 2014.

SUPPLEMENTARY DATA
Döring, J., Will, F., Löhnertz, O., Krause, B., & Kauer, R. (2022). The impact of sustainable management regimes on amino acid profiles in grape juice, grape skin flavonoids and hydroxycinnamic acids. *OENO One*, *56(2)*.
https://doi.org/10.20870/oeno-one.2022.56.2.5437

SUPPLEMENTAL TABLE S1. Results of multiple linear regression analysis of total amino acids in juice [mg l^{-1}] and flavanols, flavonols and hydroxycinnamic acids in berry skin [µg g^{-1} berry skin fresh weight] for vintages 2012–2014 and treatments in, org, ad bd.

	estimate	p-value
Total amino acids		
Intercept	1164.65	0.000***
Treatment int	–600.24	0.000***
Treatment org	13.89	0.847
Vintage 2013	1297.22	0.000***
Vintage 2014	–43.87	0.544
Total flavanols		
Intercept	145.72	0.000***
Treatment int	15.39	0.166
Treatment org	22.58	0.043*
Vintage 2013	44.12	0.000***
Vintage 2014	43.82	0.000***
Total hydroxycinnamic acids		
Intercept	733.09	0.000***
Treatment int	33.37	0.325
Treatment org	18.72	0.580
Vintage 2013	–44.33	0.192
Vintage 2014	200.28	0.000***
Total flavonols		
Intercept	976.52	0.000***
Treatment int	–258.56	0.000***
Treatment org	–112.24	0.102
Vintage 2013	–200.88	0.004**
Vintage 2014	486.00	0.000***

Significant factor effects are marked with * for $\alpha = 0.05$, ** for $\alpha = 0.01$ and *** for $\alpha = 0.001$.