Supporting Information

Non-targeted root exudome profiling reveals genotype-specific strategies for phosphorus use from conventional and recycled sources

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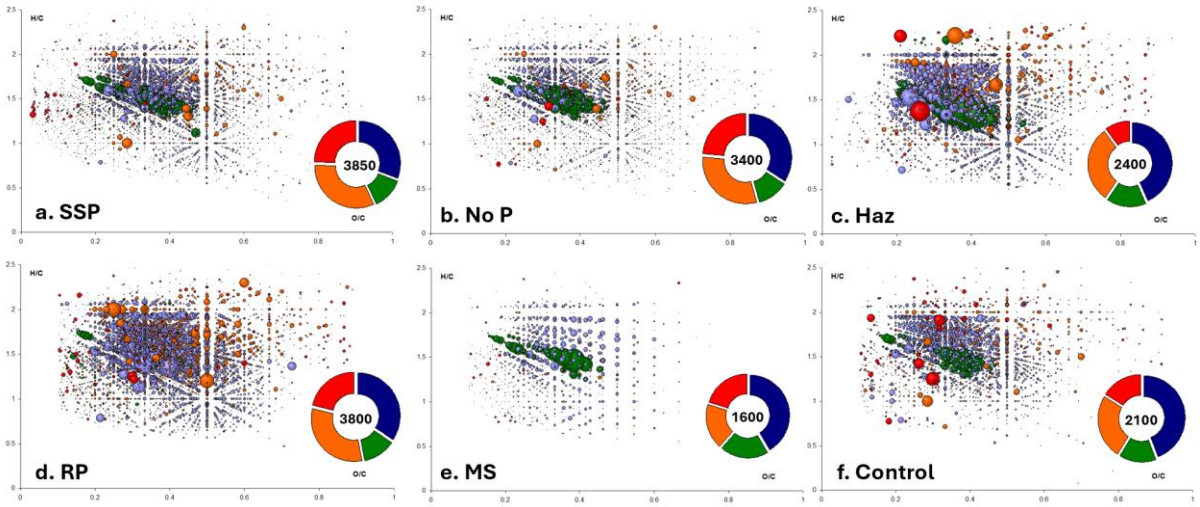
Supplementary Table 1: Two-way Analysis of Variance (ANOVA) followed by a post-hoc Tukey test analysing growth and P content of three sorghum genotypes.

Source of variation	df	MS	*F* ratio	*P* value
Total dry weight biomass (g plant^{-1})				
Genotype	2	0.039	28.3	<0.0001
Treatment	4	0.345	251.9	<0.0001
Interaction	8	0.004	2.60	0.020
Residual	45	0.001		
Shoot weight (g plant^{-1})				
Genotype	2	0.004	14.5	<0.0001
Treatment	4	0.119	432	<0.0001
Interaction	8	0.001	4.22	0.001
Residual	45	<0.001		
Root weight (g plant^{-1})				
Genotype	2	0.018	29.0	<0.0001
Treatment	4	0.063	101.7	<0.0001
Interaction	8	0.002	3.28	0.005
Residual	45	0.001		
Total root length (cm plant^{-1})				
Genotype	2	2.02×10^5	12.1	<0.0001
Treatment	4	2.06×10^5	12.4	<0.0001
Interaction	8	1.46×10^4	0.879	0.541
Residual	45	1.66×10^4		
Plant P content (total, mg P plant^{-1})				
Genotype	2	2.05	4.61	0.015
Treatment	4	635	1.43×10^3	<0.0001
Interaction	8	1.36	3.07	0.008
Residual	45	0.444		
Plant P content (root, mg P plant^{-1})				
Genotype	2	0.355	0.938	0.399
Treatment	4	122.1	322.8	<0.0001
Interaction	8	0.555	1.47	0.196
Residual	45	0.378		

Plant P content (shoot, mg P plant^{-1})				
Genotype	2	0.699	2.86	0.068
Treatment	4	200.9	822.0	<0.0001
Interaction	8	0.289	1.18	0.0331
Residual	45	0.244		



Supplementary Figure 1 van Krevelen diagrams depicting the distribution of detected compounds (H/C versus O/C) for SSP (a), No P (b), Haz (c), RP (d), MS (e), and Con (f) from an FT-ICR-MS analysis; the size of the bubbles indicates the signal intensity, the colours represent different molecular compositions (blue = CHO, green = CHOS, orange = CHNO, and red CHNOS), and the donut chart represents the total and distribution of compounds.