

Supplementary materials

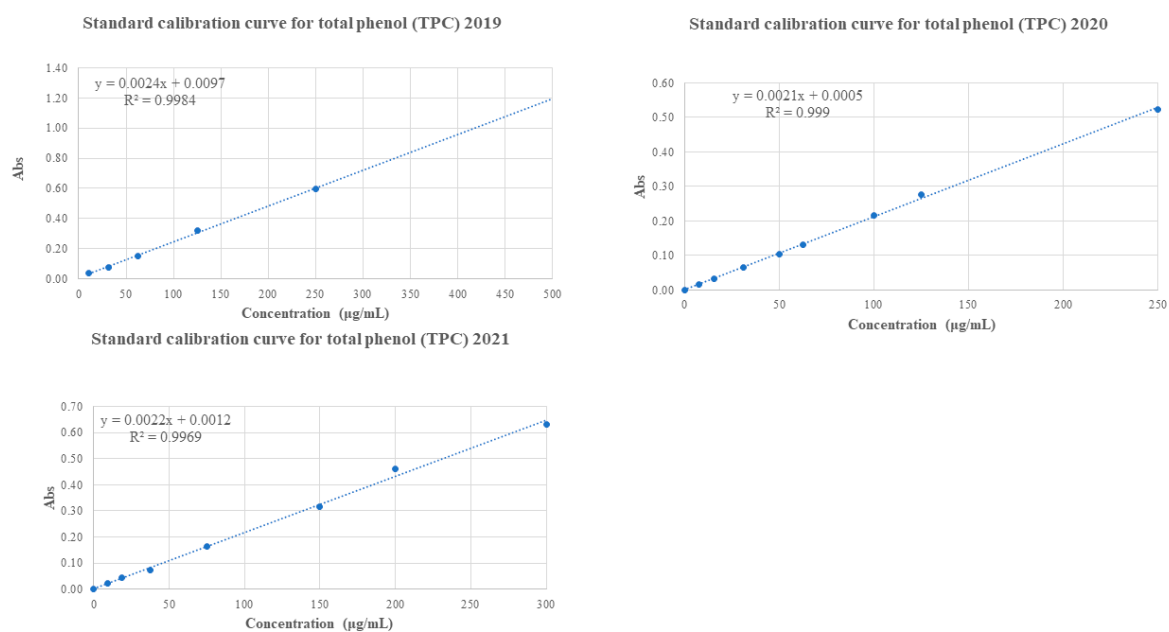


Figure S1: Standard calibration curves of total phenol assays 2019–2021

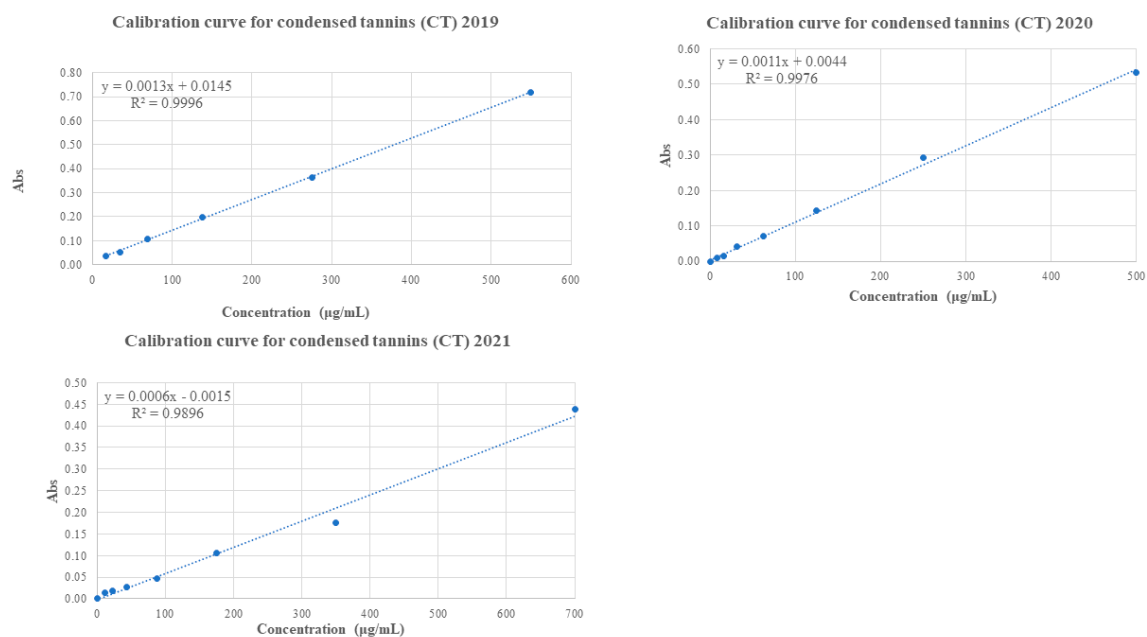


Figure S2: Standard calibration curves of condensed tannin assays 2019–2021

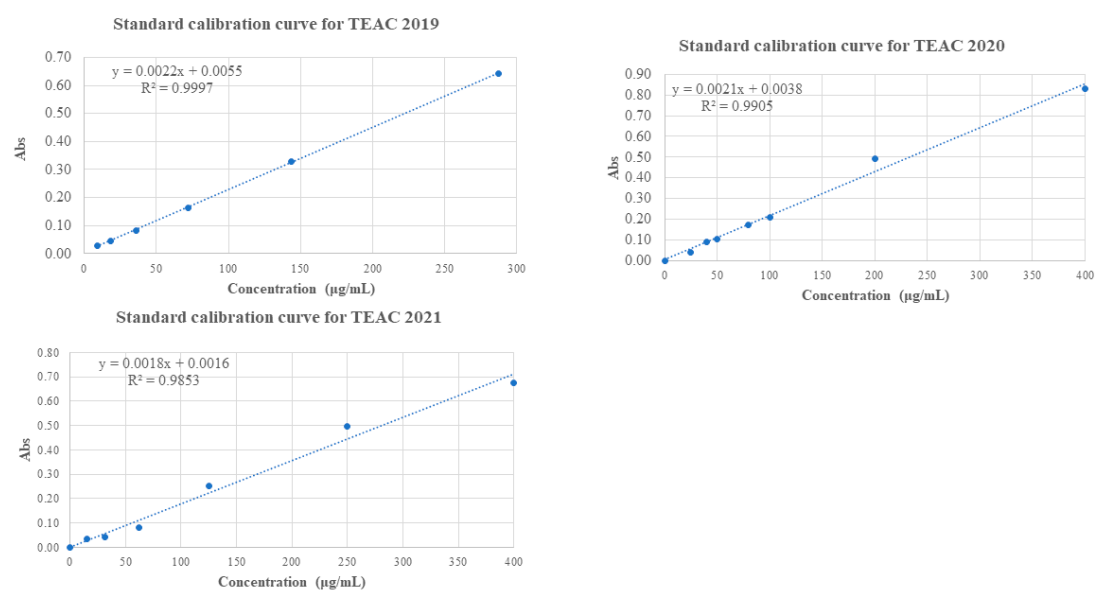


Figure S3: Standard calibration curves of TEAC 2019–2021

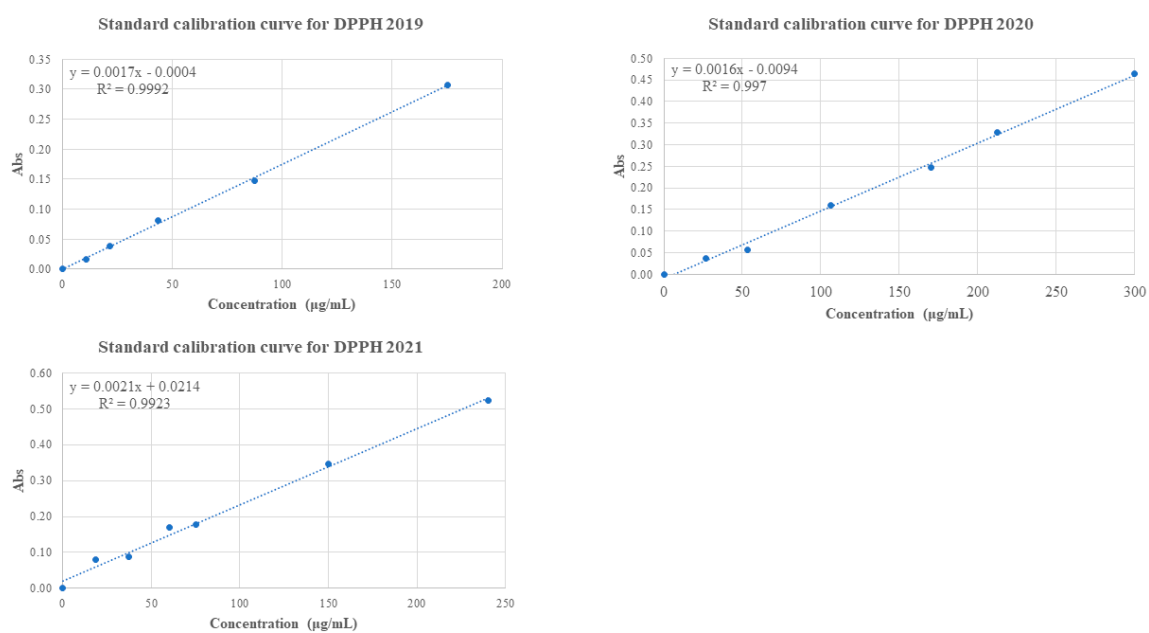


Figure S4: Standard calibration curves of DPPH 2019–2021

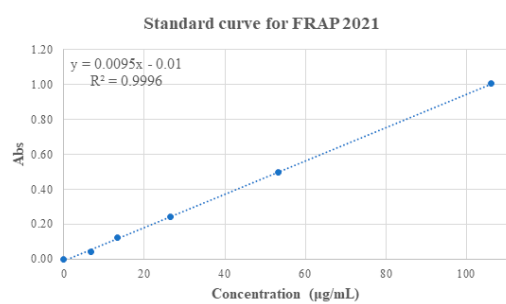
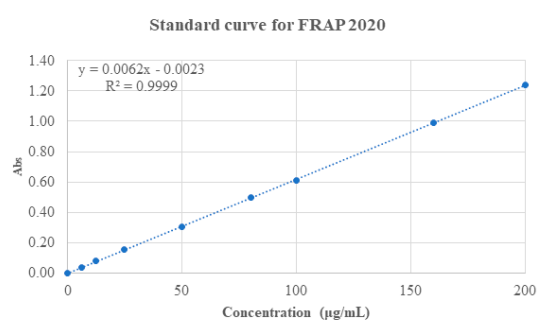
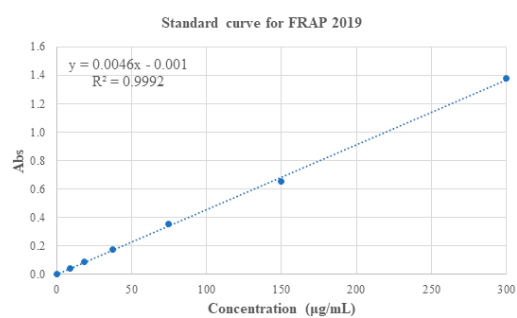


Figure S5: Standard calibration curves of FRAP 2019–2021

Table S1: Mean square values from analysis of variance on the effect of harvest year and nitrogen treatment

TPC						
	<u>Zádor</u>	<u>Alföldi1</u>	<u>Foehn</u>	<u>Albita</u>	<u>Albanus</u>	<u>Farmsugro 180</u>
Treatment	54457.963**	48.221	110.97	457.566*	50.883	519.042
Year	53462.286**	1351878.354***	7896.399***	1285.443***	2313.959***	9291.371***
Year x Treatment	25698.715	2266.887	36.937	549.26*	38.474	956.303*
Error	4994.762	8142.444	261.981	85.379	98.185	215.767

CTC						
	<u>Zádor</u>	<u>Alföldi1</u>	<u>Foehn</u>	<u>Albita</u>	<u>Albanus</u>	<u>Farmsugro 180</u>
Treatment	0.422	19.972	0.141	0.031	0	0.19
Year	11.665**	2701.896***	7.851***	4.895***	1.296***	14.051***
Year x Treatment	5.883*	25.903	0.076	0.047	0.037	0.129
Error	1.033	10.264	0.033	0.026	0.018	0.076

TEAC						
	<u>Zádor</u>	<u>Alföldi1</u>	<u>Foehn</u>	<u>Albita</u>	<u>Albanus</u>	<u>Farmsugro 180</u>
Treatment	26.931	145.983	0.479	0.385	7.822	3.822*
Year	1368.856**	280.885	26.082***	20.095***	8.053**	18.594***
Year x Treatment	1368.856*	51.793	2.223	0.685	0.259**	7.669**
Error	103.253	135.8	0.969	0.491	0.695	0.52

DPPH						
	<u>Zádor</u>	<u>Alföldi1</u>	<u>Foehn</u>	<u>Albita</u>	<u>Albanus</u>	<u>Farmsugro 180</u>
Treatment	70.431	504.897	2.229	0.652	6.099**	0.563
Year	315.22	33196.605***	24.913***	0.37	3.815**	140.905***
Year x Treatment	396.949	97.198	0.022	0.006	0.911	5.736*
Error	68.491	429.25	0.834	0.181	0.367	0.911

FRAP						
	<u>Zádor</u>	<u>Alföldi1</u>	<u>Foehn</u>	<u>Albita</u>	<u>Albanus</u>	<u>Farmsugro 180</u>
Treatment	19.682	11.498	7.909*	3.766	0.24	1.626
Year	459.254***	5.137	93.237***	276.752***	71.527***	49.821***
Year x Treatment	0.284	9.175	2.717	3.201*	1.554	0.778
Error	7.951	3.145	1.101	0.82	0.592	0.768

Note: Stars after each value means statistically significant differences. $p < 0.05$ (*), $p < 0.01$ (**), $p < 0.001$ (***)