

1 **Supplementary material**

2 **Table S1.** Details of the LC-MS/MS parameters for the analyzed pesticides in the wheat plants.

Active substance	Matrix effect (%)	Mean recovery (%)	LOD <sup>1</sup> (µg g <sup>-1</sup> FW)	LOQ <sup>2</sup> (µg g <sup>-1</sup> FW)	Quantification		Confirmation		DP <sup>4</sup> (V)	EP <sup>5</sup> (V)
					MRM transition <i>m/z</i>	CE <sup>3</sup> (V)	MRM transition <i>m/z</i>	CE <sup>3</sup> (V)		
Sulfosulfuron	-8	96	0.002	0.005	471>211	10	471>261	10	76	10
Propiconazole	12	87	0.001	0.005	342>159	37	342>69	23	100	10
Cyproconazole	8	79	0.001	0.005	292>70	23	292>125	45	61	10
Spiroxamine	-10	92	0.002	0.005	298.1>144.1	27	298.1>100	43	71	10
Tebuconazole	13	83	0.001	0.005	308.1>70	57	308.1>125.1	59	41	10
Triadimenol	-12	87	0.002	0.005	296>70	19	296>70	15	56	10

3 <sup>1</sup> LOD: Limit of detection; <sup>2</sup> LOQ: Limit of quantification; <sup>3</sup> CE: Collision energy; <sup>4</sup> DP: Declustering potential; <sup>5</sup> EP: Collision chamber inlet voltage.

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