

SUPPLEMENTAR MATERIAL

Table S1. ANOVA for the interactive effects of biotypes (susceptible and resistant), glyphosate concentrations (0 or 1080 g glyphosate (a.e. ha⁻¹), and times of exposure (12, 24, 48, and 72 h).

Source of Variation	D.F	SOD	APX	CAT	P450	Shikimate	EPSPS
Biotype	1	0.75	<0.0001	<0.0001	<0.0001	<0.0001	0.9677
Glyphosate	1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Biotype x Glyphosate	1	0.50	<0.0001	<0.0001	<0.0001	<0.0001	0.7903
Time	3	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.6907
Biotype x Time	3	0.15	<0.05	0.0002	0.0631	<0.0001	0.8785
Glyphosate x Time	3	<0.001	<0.01	<0.0001	0.1607	<0.0001	<0.001
Biotype x Glyphosate x Time	3	<0.0001	<0.0001	<0.0001	0.5578	<0.0001	0.4531
<i>T</i> or Tukey Test ¹							
Biotype							
Susceptible		0.26a	8.39b	4.35b	152.76b	3980.25a	0.57
Resistant		0.25a	10.22a	6.34a	169.95a	1483.20b	0.57
Glyphosate (kg ha ⁻¹)							
0		0.23b	7.55b	4.16b	176.99a	211.62b	0.84a
1080		0.28a	11.06a	6.53a	145.71b	5251.82a	0.31b
Time (h)							
12		0.31a	9.27b	6.68a	170.06a	689.45	0.60
24		0.30a	10.73a	5.47b	164.62ab	2364.45c	0.56
48		0.22b	11.57a	4.22c	158.89b	3241.75b	0.57
72		0.20b	6.08c	5.01b	151.85c	4631.25a	0.57

¹ Different letters in each column for each biotype, glyphosate concentration, and time represent significant differences at $P < 0.05$.

Table S2. ANOVA for the interactive effects of biotypes (susceptible and resistant) and times of exposure (12, 24, 48, and 72 h).

Source of Variation	D.F	Glyphosate			AMPA		
		Leaves	Stem	Roots	Leaves	Stem	Roots
Biotype	1	0.44	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Time	3	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Biotype x Time	3	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<i>T</i> or Tukey Test ¹							
Biotype							
Susceptible		52.09	12.65a	15.13a	28.69a		
Resistant		53.09	2.43b	1.90b	451.04b	62.52	97.17
Time (h)							
12		96.32a	4.51b	5.15c			
24		46.41b	8.00a	6.67c	198.07b		68.35
48		37.24c	8.37a	9.72b	397.02a	58.59a	64.95
72		30.38d	9.29a	12.53a	364.38a	66.46a	61.03

¹ Different letters in each column for each biotype and time represent significant differences at $P < 0.05$.