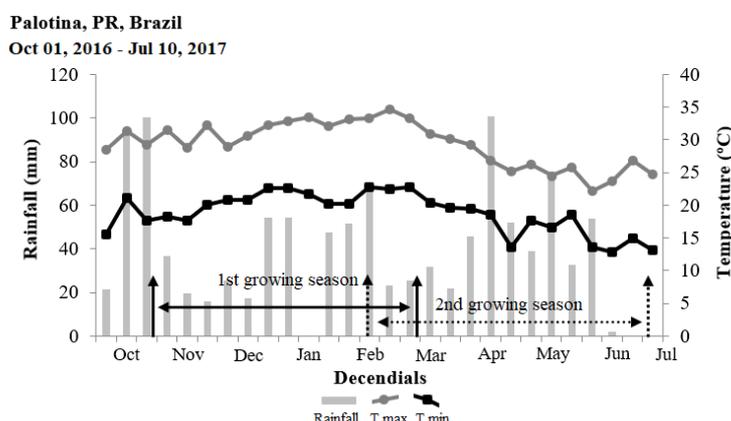


Effect of glyphosate and glufosinate on nutritional content and agronomic performance of maize possessing *cp4epsps* and *pat* transgenes

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Supplementary Figure 1. Representation of rainfall, maximum and minimum temperature during the conduction period of the experiment. Palotina, PR, Brazil, 2016/17.

Supplementary Table 1. Significant results (*P* value) of regression analysis.

Growing Season	Crop injury (DAA)				Agronomic performance				Nutritional contente						
	7	14	21	28	H	D	Y	M	P	K	S	Fe	Cu	Zn	
	----- % -----				cm	mm	kg ha ⁻¹	g	----- P.P.M. -----						
Experiment 1 (glyphosate rates)															
<i>P</i>	*	*	*	ns	*	ns	ns	ns	-	-	-	-	-	-	
1 st Mean	10.3	7.4	3.4	0.6	241.3	21.0	8,787	36.2	-	-	-	-	-	-	
CV(%)	10.1	12.2	29.2	17.3	2.1	3.6	21.8	5.5	-	-	-	-	-	-	
<i>P</i>	*	*	*	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
2 nd Mean	1.6	2.5	1.0	0.1	180.7	18.6	9,524	30.1	7,726	5,623	1,255	57.9	13.4	26.5	
CV(%)	15.4	29.5	21.2	15.8	2.9	3.7	8.5	3.4	6.2	5.0	3.8	11.2	4.8	8.4	
Experiment 2 (glufosinate rates)															
<i>P</i>	*	*	*	*	*	ns	ns	ns	-	-	-	-	-	-	
1 st Mean	19.1	17.6	15.0	10.7	236.5	20.3	8,848	37.6	-	-	-	-	-	-	
CV(%)	15.8	17.7	23.3	34.4	2.3	8.0	17.5	3.2	-	-	-	-	-	-	
<i>P</i>	*	*	*	*	*	ns	ns	ns	ns	ns	ns	ns	ns	ns	
2 nd Mean	5.9	17.5	13.4	10.5	166.0	17.8	7,805	30.3	7,769	5,592	1,246	61.9	14.2	25.9	
CV(%)	19.8	15.2	13.3	19.6	6.6	5.9	12.3	5.3	6.1	4.4	3.9	7.6	30.7	6.5	

H: height; D: stem diameter; Y: yield; M: 100-grain mass.

*Significant effect of herbicide rates ($P \leq 0.05$). ns: Non-significant ($P > 0.05$).