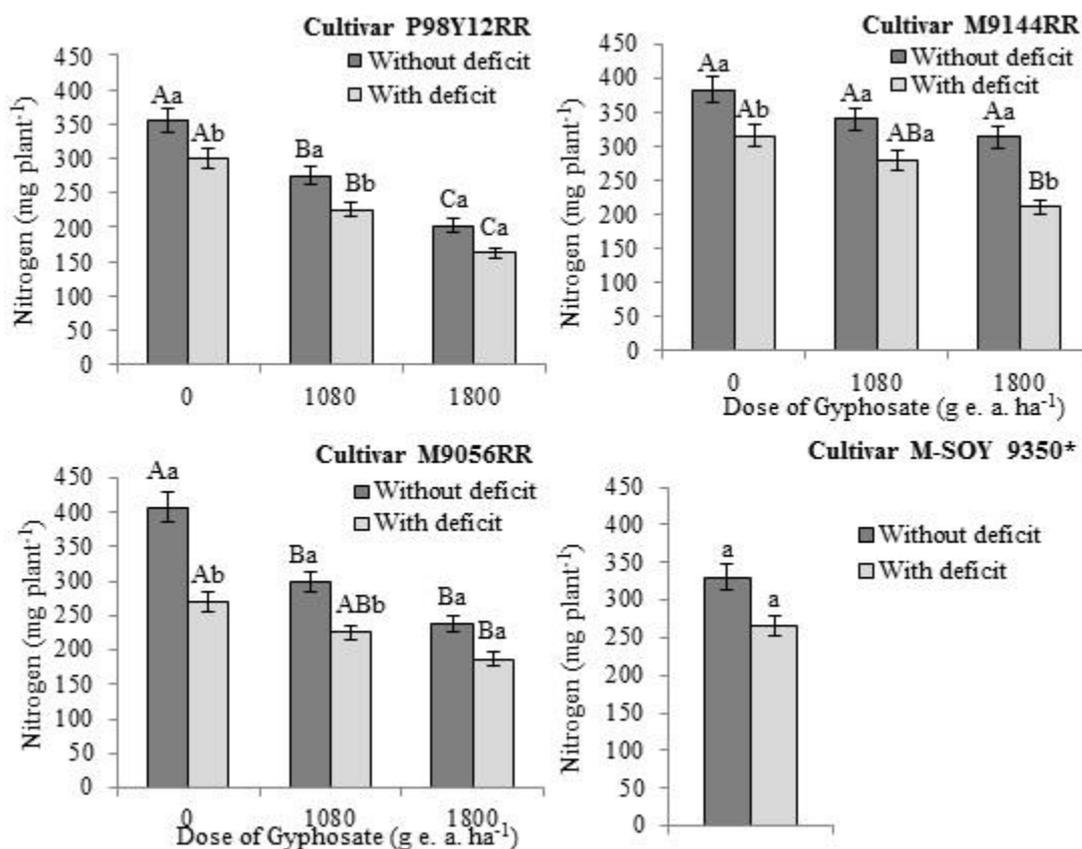


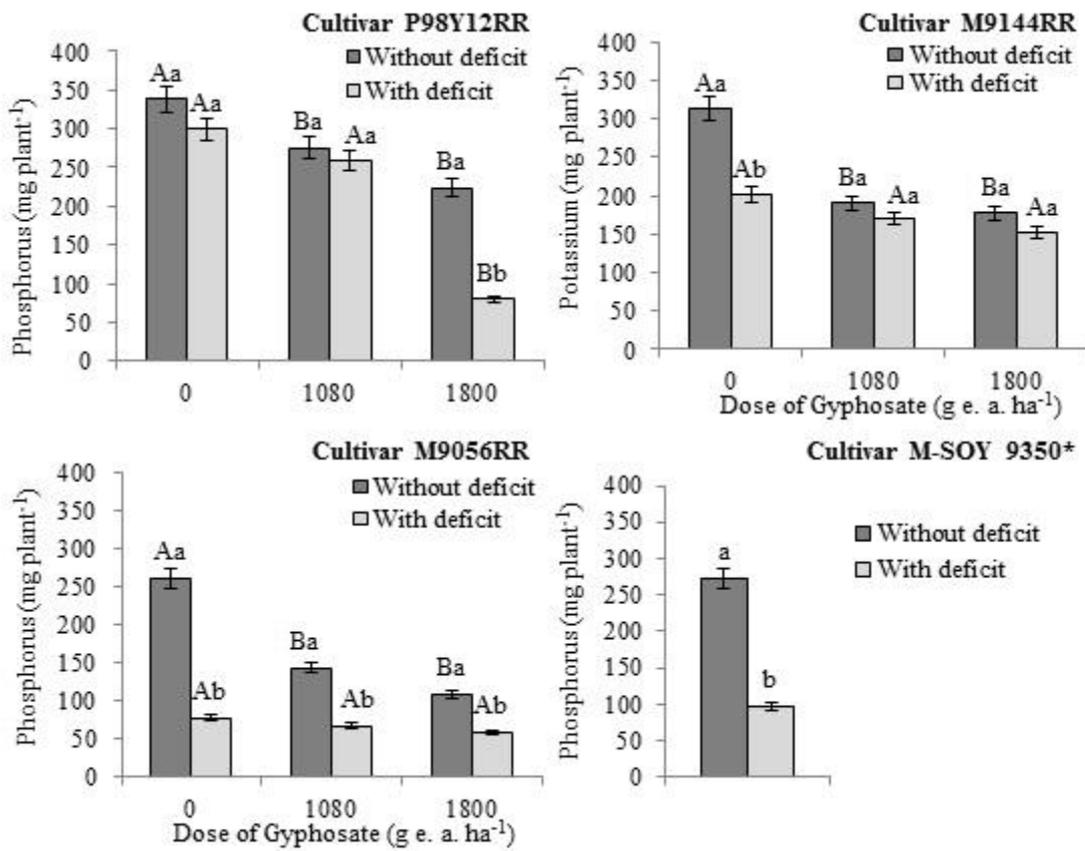
Supplementary data

Effect of glyphosate and water stress on plant morphology and nutrient accumulation in soybean

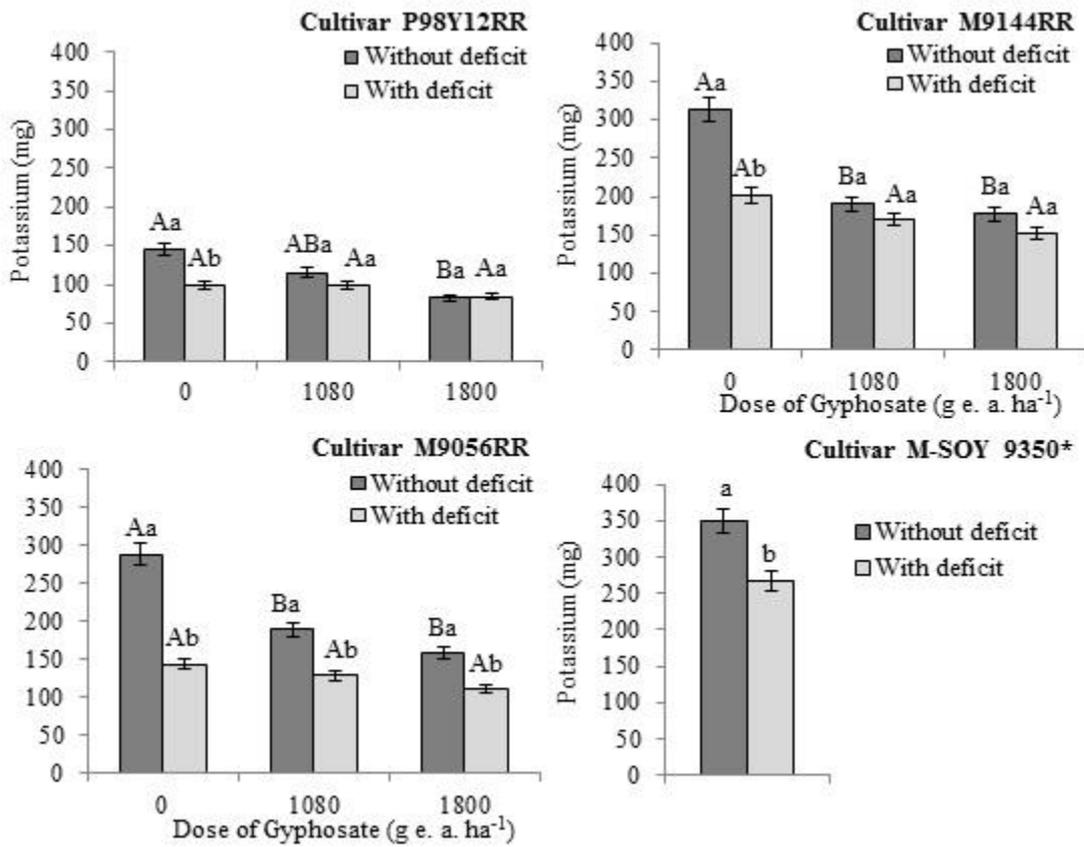
Fabiano André Petter*, Alan Mario Zuffo, Francisco de Alcântara Neto, Leandro Pereira Pacheco, Fernandes Antonio de Almeida, Fabrício Ribeiro Andrade, Joacir Mário Zuffo Júnior



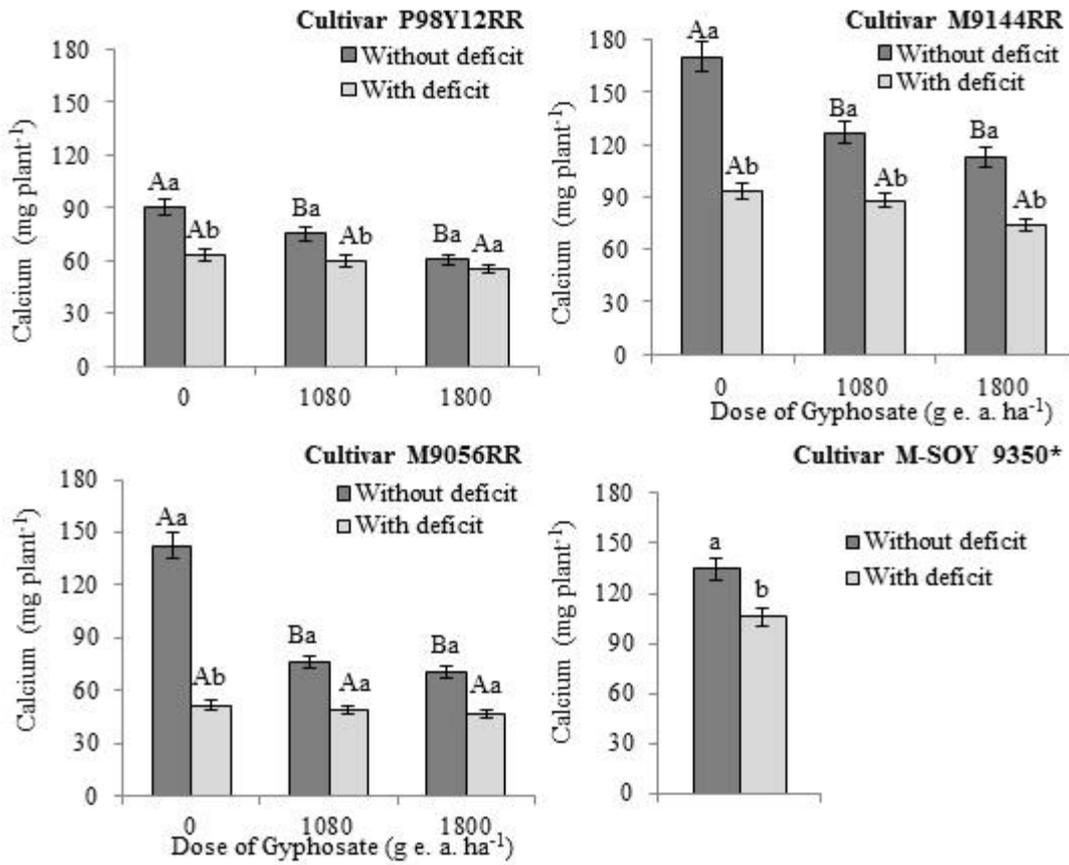
Supplementary Fig. 1 Nitrogen accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



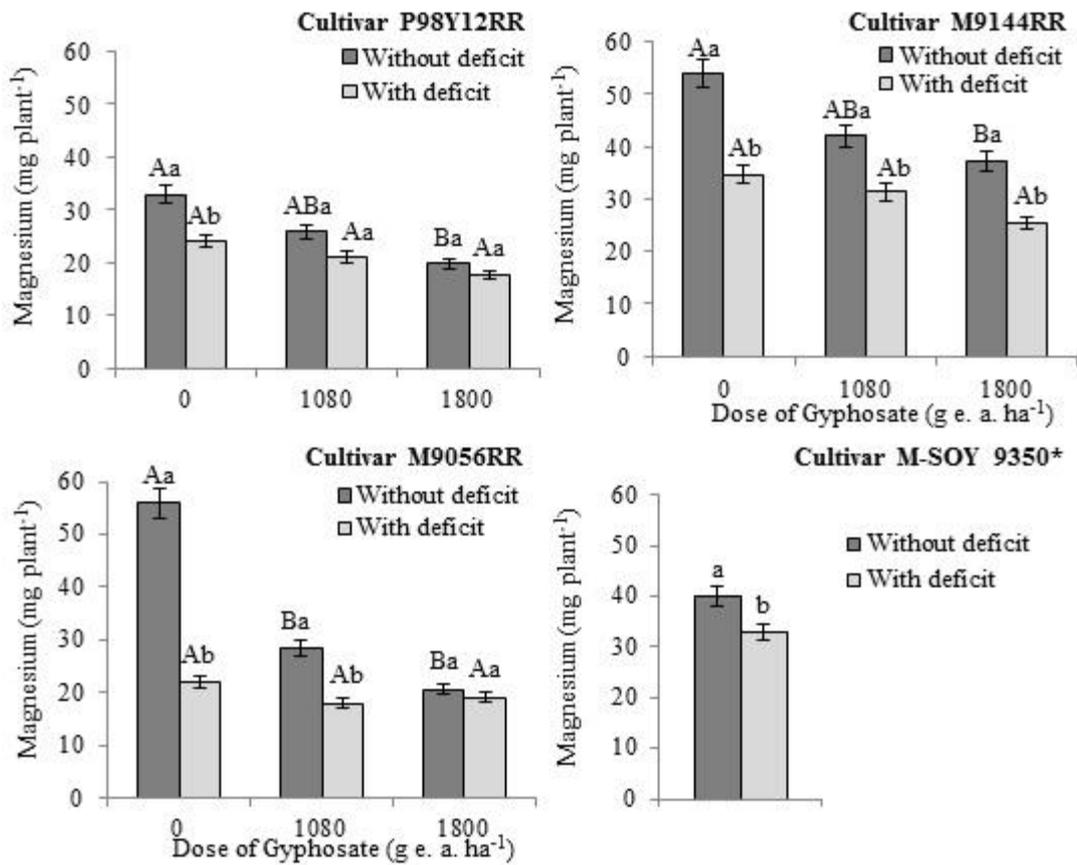
Supplementary Fig. 2 Phosphorus accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



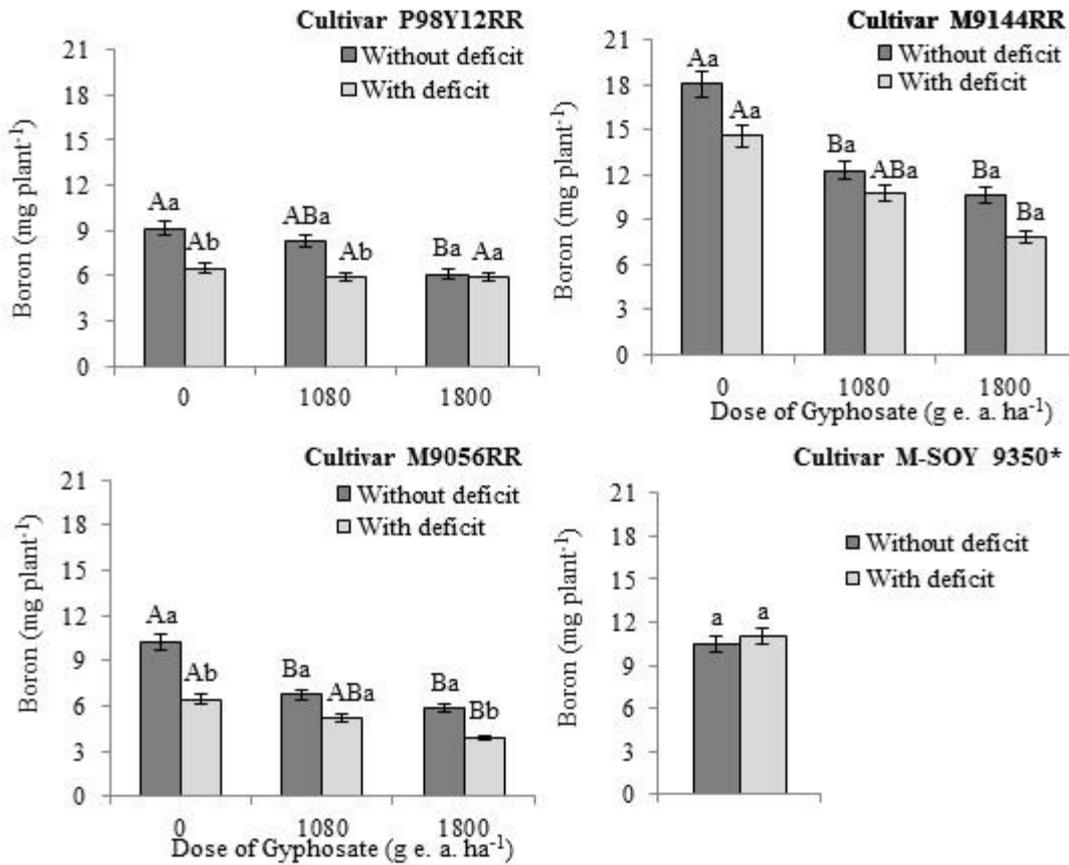
Supplementary Fig. 3 Potassium accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



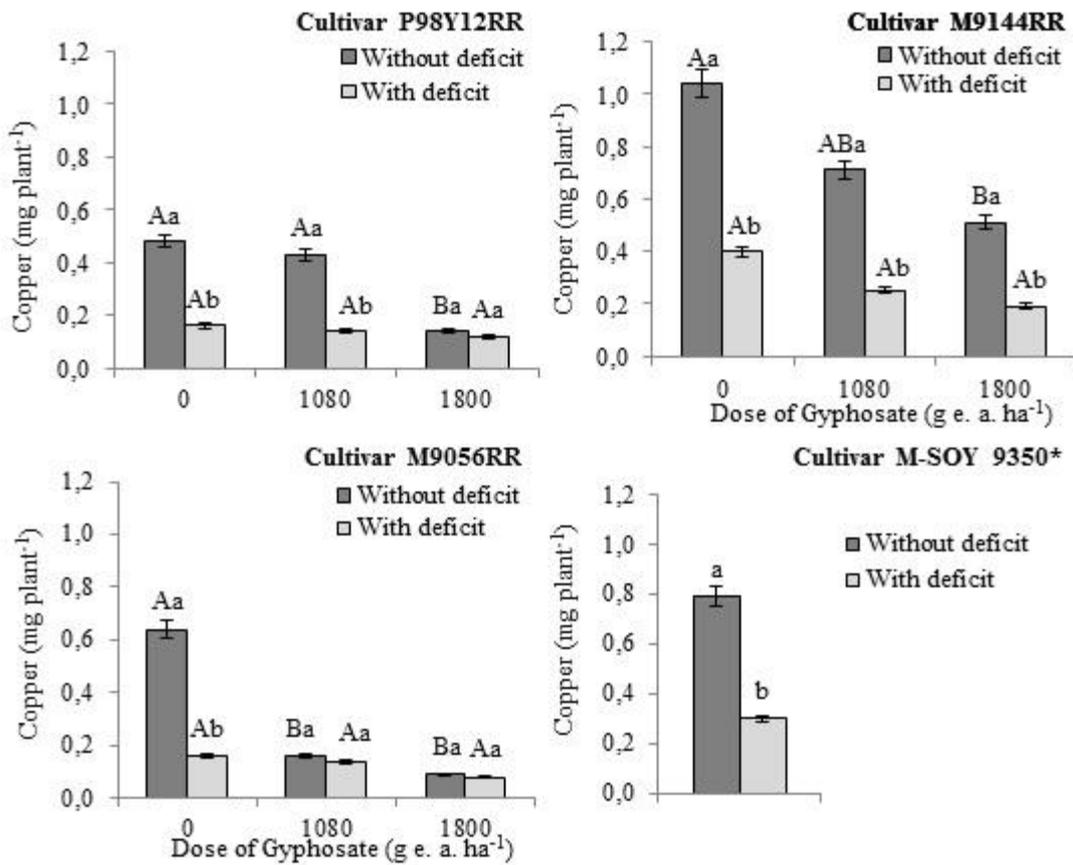
Supplementary Fig. 4 Calcium accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



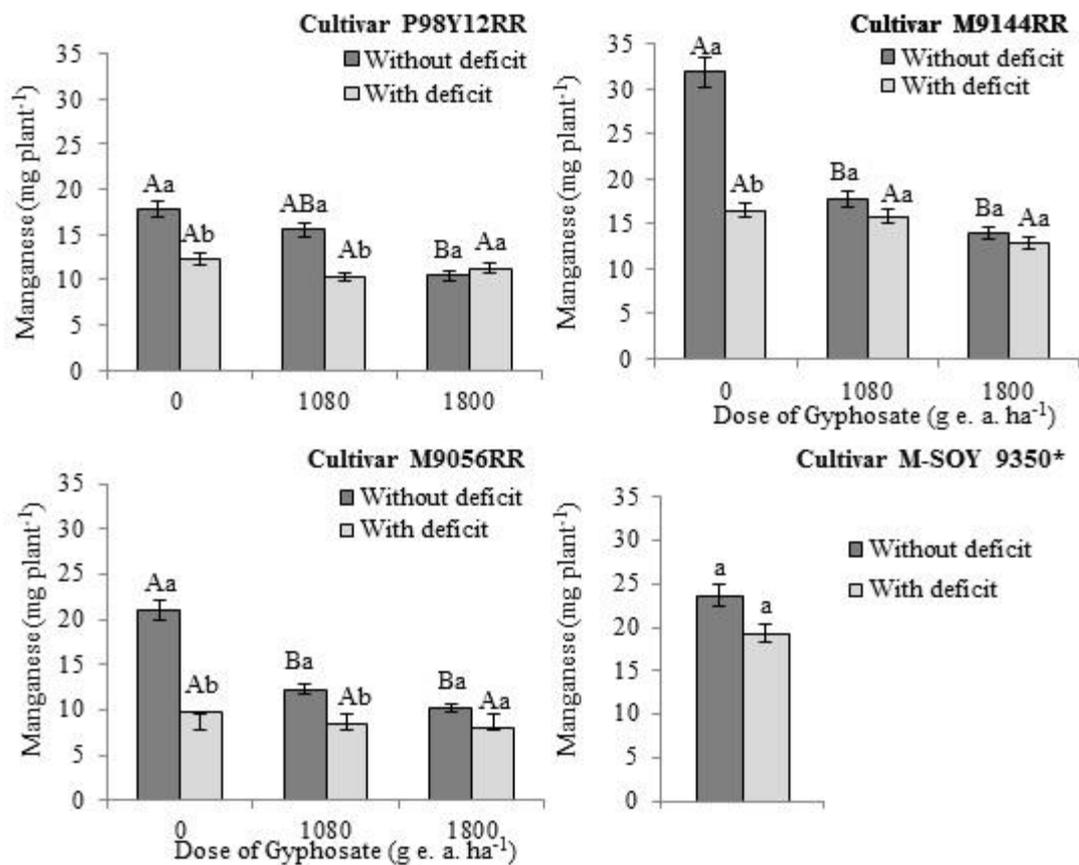
Supplementary Fig. 5 Magnesium accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



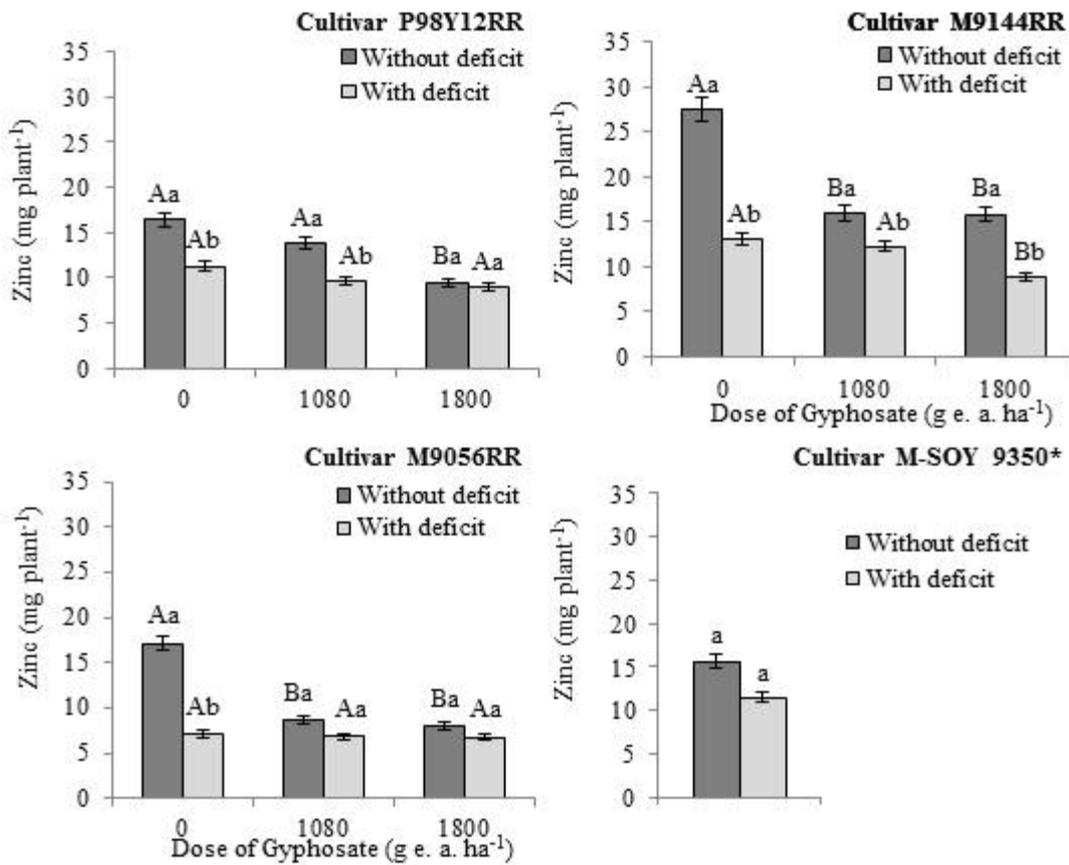
Supplementary Fig. 6 Boron accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



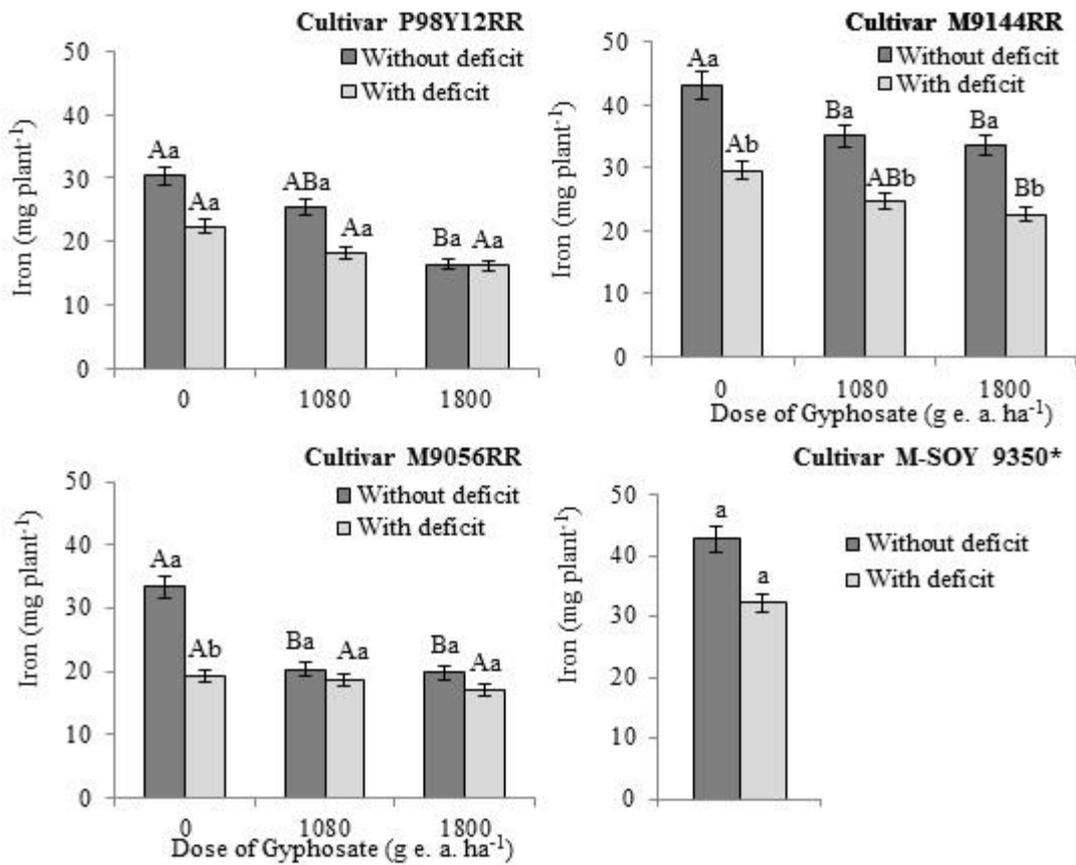
supplementary Fig. 7 Copper accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



Supplementary Fig. 8 Manganese accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



Supplementary Fig. 9 Zinc accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.



Supplementary Fig. 10 Iron accumulation in leaf tissue in RR[®] soybean cultivars and in conventional one, which received varied doses of glyphosate under regular conditions and water stress, in Bom Jesus, State of Piauí, Brazil, in the 2011/2012 season. Means followed by the same uppercase letter in the same water conditions, and lowercase in the same glyphosate dose do not differ from each other significantly by the Tukey test at 5% probability. *Conventional soybean cultivar did not receive glyphosate application.