

Article

Sustainable Strategies to Counteract Mycotoxins Contamination and Cowpea Weevil in Chickpea Seeds during Post-harvest

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Table S1. Analysis of variance of mycotoxins content in the four chickpea batches between the mean values determined on three different replicates.

| Mycotoxin | Source of Variation | df | Mean square | F | P-value | F crit |
|-----------|---------------------|----|-------------|--------|---------|--------|
| Patulin | Between Groups | 3 | 3919.22 | 4.616 | 0.0372 | 4.07 |
| | Within Groups | 8 | 849.07 | | | |
| | Total | 11 | | | | |
| AFG2 | Between Groups | 3 | 16.56 | 67.80 | <0.001 | 4.07 |
| | Within Groups | 8 | 0.24 | | | |
| | Total | 11 | | | | |
| AFG1 | Between Groups | 3 | 0.02 | 24.79 | <0.001 | 4.07 |
| | Within Groups | 8 | 0.00 | | | |
| | Total | 11 | | | | |
| AFB2 | Between Groups | 3 | 0.11 | 170.55 | <0.001 | 4.07 |
| | Within Groups | 8 | 0.00 | | | |
| | Total | 11 | | | | |
| AFB1 | Between Groups | 3 | 0.01 | 145.56 | <0.001 | 4.07 |
| | Within Groups | 8 | 0.00 | | | |
| | Total | 11 | | | | |

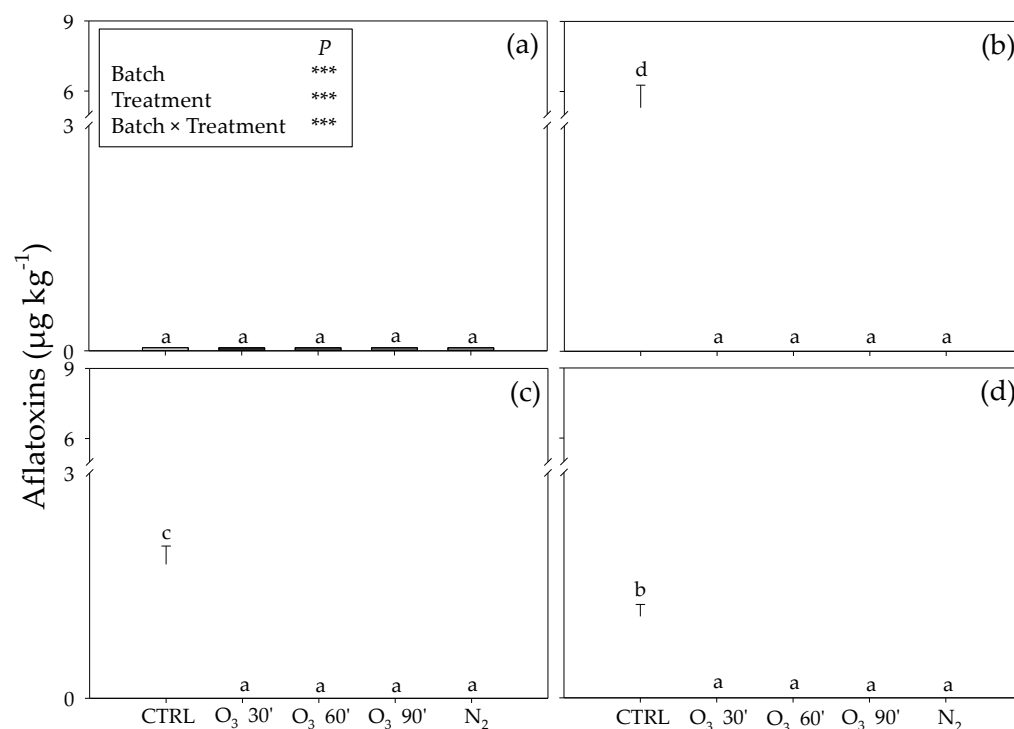


Figure S1. Total content of aflatoxins in four batches [n. 1 **(a)**, n. 2 **(b)**, n. 3 **(c)** and n. 4 **(d)**] of chickpea grains (CTRL, *white fill*), exposed to ozone [500 ppb O₃ for 30 (light grey fill), 60 (grey fill) and 90 (dark grey fill) minutes] and nitrogen treatment [99% N₂ for 21 consecutive days, dark fill]. Results of two-way ANOVA are reported, asterisks show the significance of factors/interaction for: *** $p \leq 0.001$. According to Tukey's HSD post hoc test, different letters indicate significant differences ($p \leq 0.05$).