Table S1. Means and standard error of enzyme activities measured for each treatment after the 19 days of the incubation experiment.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Control** | **MAP****(Pi)** | **Ca(H2PO4)2****(Pi)** | **RNA****(Po)** | **AMP****(Po)** | **Phytic acid****(Po)** | **p** |
| BG (µmol pnp h-1 g -1) | 0.086 (±0.02) | 0.059 (±0.012) | 0.053 (±0.015) | 0.056 (±0.015) | 0.08 (±0.028) | 0.051 (±0.018) | 0.673 |
| POX (µmol tyr h-1 g -1) | 0.3(±0.031)  | 0.181 (±0.061) | 0.093 (±0.06) | 0.306 (±0.028) | 0.206 (±0.098) | 0.302 (±0.072) | 0.129 |
| NAG (µmol pnp h-1 g -1) | 0.02(±0.008) AB  | 0.027 (±0.004) AB | 0.032 (±0.008) A | 0.003 (±0.001) B | 0.001 (±0.001) B | 0.023 (±0.01) AB | 0.0079\*\* |
| Phm (µmol pnp h-1 g -1) | 0.016(±0.008)  | 0.023 (±0.013) | 0.186 (±0.157) | 0.041 (±0.006) | 0.052 (±0.028) | 0.04 (±0.017) | 0.486 |
| Phd (µmol pnp h-1 g -1) | 0.212(±0.021)  | 0.172 (±0.013) | 0.174 (±0.014) | 0.262 (±0.091) | 0.258 (±0.029) | 0.224 (±0.009) | 0.477 |
| Phy (µmolpi h-1 g -1) | 1.085(±0.32)  | 0.464 (±0.251) | 0.87 (±0.476) | 0.418 (±0.182) | 0.665 (±0.311) | 0.361 (±0.225) | 0.521 |

aAbbreviations: AMP, adenosine monophosphate; and MAP, monoammonium phosphate. BG, β-glucosidase; NAG, N-acetyl glucosaminidase; POX, Polyphenol oxidase (laccase; Phm, Phosphomonoesterase; Phd, Phosphodiesterase; Phy, Phytase. Note: Different uppercase letters (A, B, C, D) within the same row indicate significant differences among different treatments as obtained from the Tukey test. Standard error is shown in parentheses.

bSignificance values are represented with an “\*”, where \*, p<0.05; \*\* p<0.01; \*\*\*, p<0.001.