

Supplementary Materials

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Biomass partitioning and rhizosphere responses of maize and faba bean to phosphorus deficiency

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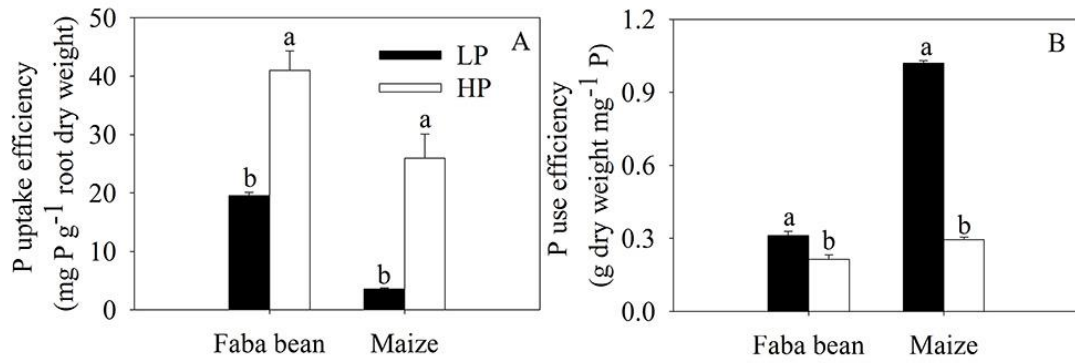


Fig. S1. Phosphorus-uptake efficiency and P-use efficiency of maize and faba bean plants grown in rhizoboxes with low P (LP, 10 mg P kg⁻¹ soil) and high P (HP, 150 mg P kg⁻¹ soil) supply for 50 days.

Values are means of four replicates. Error bars represent the standard error of the mean.

Different letters (lower case) indicate significant differences between the P treatments within each species ($P < 0.05$).

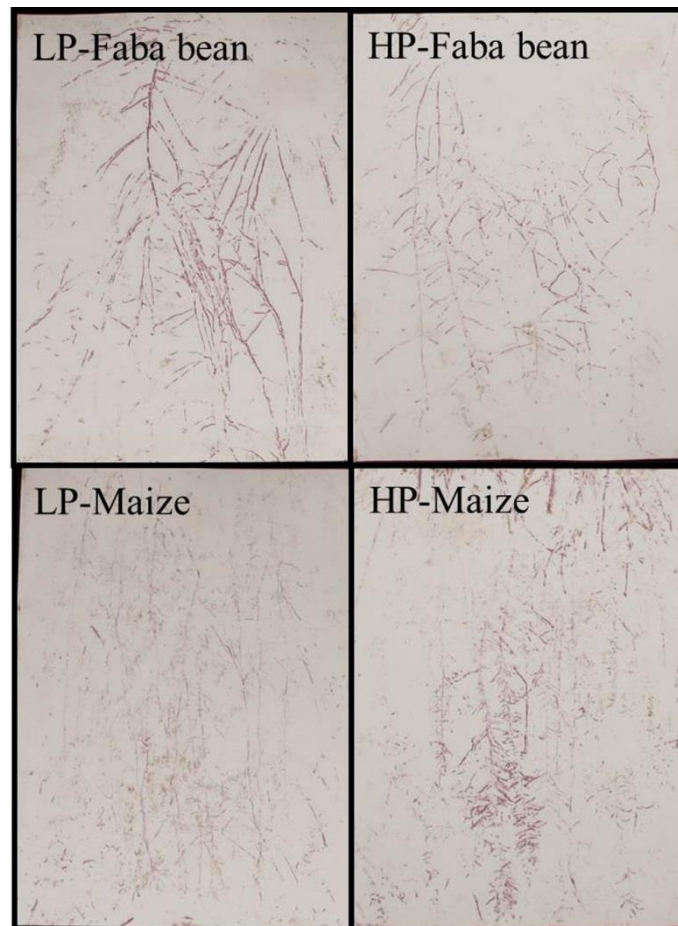


Fig. S2. Visualization of acid phosphatase (APase) activity on the root surface of maize and faba bean plants grown in rhizoboxes with low P (LP, 10 mg P kg⁻¹ soil) and high P (HP, 150 mg P kg⁻¹ soil) supply for 48 days.

Acid phosphatase activity was measured by placing a filter paper impregnated with Fast Red TR onto the exposed soil surface of a rhizobox for two hours. The intensity of the dark red color in the photographs is related to greater APase activity.