

Phosphate-dependent regulation of growth and stresses management in plants

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Supplementary Table

Table S1. Photosynthesis, growth and uptake, and heavy metals stress, sources of phosphorus, species, and references from which data were retrieved for the meta-analysis.

	Phosphorus source	Plant traits	Species	References
Photosynthesis	KH ₂ PO ₄	Net photosynthesis, Shoot dry weight, stomatal conductance, total chlorophyll,	<i>Glycine max</i> , <i>Vigna unguiculata</i> (L.), <i>Triticum aestivum</i> , <i>Triticum aestivum</i> , <i>Zea mays</i>	Chu et al., 2018 ; Moreira et al., 2017 ; Bulgarelli et al., 2017 ; Zhu et al., 2020 ; Izaguirre-Mayoral et al., 2002 ; Meena et al., 2021 ; Taffouo et al., 2014; Sherchand and Paulsen, 1985; Shabbir et al., 2015; Zhengping et al., 2004; Jia et al., 2018; Wang et al., 2017
	NH ₄ H ₂ PO ₄		<i>Triticum aestivum</i>	Rabbi et al., 2017; Arshad et al., 2015
	CaH ₄ O ₈ P ₂ H ₂ O		<i>Triticum aestivum</i> , <i>Zea mays</i>	Ozturk et al., 2005; Wang and Ning, 2019
	NPK		<i>Triticum aestivum</i>	Choudhary and Kumar, 2014; Beinsan et al., 2020
	TSP		<i>Vigna unguiculata</i> (L.), <i>Triticum aestivum</i>	Fouda and Abd-Elhamied, 2017; Nyoki and Ndakidemi, 2014; Nursu'aidah et al., 2014; Moreira et al., 2020; El-Sobky, 2017; Jemo et al., 2017.
	RP		<i>Zea mays</i>	Aliet al., 2014
Growth and uptake	KH ₂ PO ₄	Shoot dry weight, shoot P concentration, Root P concentration	<i>Glycine max</i> , <i>Vigna unguiculata</i> (L.), <i>Zea max</i>	Jin et al., 2006; Chiulele, 2003; Nafady and Elgharably, 2018; Tang et al., 2019
	NH ₄ H ₂ PO ₄		<i>Glycin max</i>	He et al., 2019; Feng et al.,2021; He et al.,2017; He et al.,2021
	CaH ₄ O ₈ P ₂ H ₂ O		<i>Glycin max</i> , <i>Triticum aesticum</i> , <i>Zea mays</i>	Rotaru and Risnovéanu, 2019; Yu et al., 2016; Zhan et al., 2019
	SSP			Lima et al., 2017; Rajkhowa, 2017
	TSP			Karimzadeh et al., 2021; HI Mohammadi et al.,2020; Kaya et al., 2020; Jemo et al., 2017.
Heavy metals stress	KH ₂ PO ₄	Shoot-Cd, -Pb -Zn concentrations	<i>Sedum alfredii</i> , <i>Triticum aestivum</i> , <i>Zea mays</i>	Huang et al., 2012; Zhang et al., 2016
	NH ₄ H ₂ PO ₄		<i>Oryza sativa</i> L.; <i>Triticum aestivum</i>	Qayyum et al., 2017; Rehman et al., 2018
	SSP			Elgharably, 2020; Lavado et al., 2001; Neu et al., 2020; Bashir et al., 2018; Nafady and Elgharably, 2018
	TSP		<i>Brassica napus</i> L, <i>Hordeum vulgare</i> L, <i>Zea mays</i> , <i>Triticum aestivum</i>	Lavado et al., 2001; Neu et al., 2020,
	Activated RP		<i>Oryza sativa</i> L.; <i>Triticum aestivum</i>	Ahmad et al., 2019; Bashir et al., 2018; Elgharably, 2020