Phosphorus Fertilization and Symbiotic Nitrogen Fixati

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#	Article	IF	Citations
1	Some problems of nodulation and symbiotic nitrogen fixation in Phaseolus vulgaris L.: A review. Field Crops Research, 1981, 4, 93-112.	5.1	286
2	Involvement of Phosphorus in Nitrogen Fixation by Subterranean Clover (Trifolium subterraneum L.). Functional Plant Biology, 1981, 8, 427.	2.1	115
4	Nodulation and nitrogen fixation of Phaseolus vulgaris L. grown in minesoil as affected by soil compaction and N fertilization. Communications in Soil Science and Plant Analysis, 1982, 13, 231-242.	1.4	5
5	Influence of lime and phosphorus on soybean (Glycine max (L.) Merrill) yield, leaf and seed composition on a paleudult soil. Communications in Soil Science and Plant Analysis, 1982, 13, 775-792.	1.4	0
6	Interactions between Nitrogen Fixation, Mycorrhizal Colonization, and Host-Plant Growth in the Phaseolus-Rhizobium-Glomus Symbiosis. Plant Physiology, 1982, 70, 446-450.	4.8	86
7	Rationale of selection for specific nutritional characters in crop improvement withPhaseolus vulgaris L. as a case study. Plant and Soil, 1983, 72, 351-364.	3.7	19
8	The effect of delayed inoculation on nitrogen fixation byPhaseolus vulgarisL. Grown in minesoil. Communications in Soil Science and Plant Analysis, 1983, 14, 15-27.	1.4	3
9	The role of phosphorus in nitrogen fixation by young pea plants (Pisum sativum). Physiologia Plantarum, 1985, 64, 190-196.	5.2	155
10	Response of green gram (Vigna radiata (L.) Wilczek) to bacterial seed inoculation and application of phosphorus fertilizer. Journal of Agricultural Science, 1986, 107, 463-466.	1.3	3
11	Phosphorus fertilization and tillage effect on dinitrogen fixation in soybeans. Plant and Soil, 1986, 96, 31-44.	3.7	1
12	GROWTH AND YIELD OF WHITE BEAN (Phaseolus vulgaris L.) IN RESPONSE TO NITROGEN, PHOSPHORUS AND POTASSIUM FERTILIZER AND TO INOCULATION WITH Rhizobium. Canadian Journal of Plant Science, 1987, 67, 425-432.	0.9	61
13	Nitrogen fixation and plant growth of common bean (Phaseolus vulgaris L.) at different levels of phosphorus availability. Plant and Soil, 1987, 104, 79-84.	3.7	91
14	Distribution of phosphorus in nodulated white clover plants. Journal of Plant Nutrition, 1989, 12, 159-171.	1.9	19
15	Nodule phosphorus and nodule activity in white clover. New Zealand Journal of Agricultural Research, 1989, 32, 145-149.	1.6	17
16	Phosphorus absorption and utilization efficiency of pigeon pea (Cajanus cajan (L) Millsp.) in relation to dry matter production and dinitrogen fixation. Plant and Soil, 1989, 119, 315-324.	3.7	42
17	Selection of common bean (Phaseolus vulgaris L.) for N2 fixation at different levels of available phosphorus under field and environmentally-controlled conditions. Plant and Soil, 1989, 115, 75-82.	3.7	82
18	In vivo 31 P NMR spectroscopic studies of soybean Bradyrhizobium symbiosis Compartmentation and distribution of P metabolites. FEBS Letters, 1989, 254, 203-206.	2.8	5
19	EinfluÃŸ von NPK auf die Biomasseproduktion und Stickstoffbindung der stengelknÃ¶llchenbildenden GrÃ¼ndÃ¼ngungsleguminosenSesbania rostrata undAeschynomene afraspera im NaÃŸreisanbau. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1990, 153, 333-339.	0.4	3

#	Article	IF	Citations
20	Response of promiscuously nodulating soybean to N and P fertilization andBradyrhizobium inoculation in a ferruginous tropical soil (Haplustalf). Fertilizer Research, 1990, 25, 93-100.	0.5	0
21	Effect of NPK on growth and nitrogen fixation of Sesbania rostrata as a green manure for lowland rice (Oryza sativa L.). Plant and Soil, 1991, 132, 149-158.	3.7	52
22	Influence of Organic and Inorganic Fertilizers on Common Bean (Phaseolus vulgarisL.) Grown in a P-Fixing Mollic Andosol. Biological Agriculture and Horticulture, 1992, 9, 87-104.	1.0	5
23	Genotypic variation in growth and nodulation by seedlings of Acacia species. Forest Ecology and Management, 1992, 55, 209-223.	3.2	18
24	Stress tolerance in Rhizobium and Bradyrhizobium, and nodulation under adverse soil conditions. Canadian Journal of Microbiology, 1992, 38, 475-484.	1.7	281
25	Phosphorus regulation of nitrogen fixation in a traditional Mexican agroecosystem. Biogeochemistry, 1993, 21, 141.	3.5	85
26	Minimizing the effect of mineral nitrogen on biological nitrogen fixation in common bean by increasing nutrient levels. Plant and Soil, 1993, 152, 131-138.	3.7	51
27	Input/output analysis of the cumulative soybean response to phosphorus on an ultisol. Field Crops Research, 1993, 34, 23-36.	5.1	27
29	Influence of phosphorus on nitrogen fixation in chickpea cultivars. Journal of Plant Nutrition, 1995, 18, 719-727.	1.9	16
30	Efficiency in the use of phosphorus, nitrogen and potassium in topless faba beans (Vicia faba L.) - variability and inheritance*. Plant Breeding, 1996, 115, 361-366.	1.9	23
31	Agricultural intensification, soil biodiversity and ecosystem function in the tropics: the role of nitrogen-fixing bacteria. Applied Soil Ecology, 1997, 6, 55-76.	4.3	88
32	Phosphorus efficiency of wild and cultivated genotypes of common bean (Phaseolus vulgaris L.) under biological nitrogen fixation. Soil Biology and Biochemistry, 1997, 29, 951-957.	8.8	29
33	Common bean (Phaseolus vulgaris L.). Field Crops Research, 1997, 53, 131-146.	5.1	221
34	Title is missing!. Plant and Soil, 1997, 189, 213-219.	3.7	26
35	Phosphorus uptake by bean nodules. Plant and Soil, 1998, 198, 71-78.	3.7	56
36	Responses of dinitrogen fixation and photosynthetic activity in mashbean (Vigna aconitifolia) cultivars under low P conditions. Soil Science and Plant Nutrition, 1998, 44, 31-41.	1.9	4
37	Rendimento de feijÃ£o e de grÃ£o-de-bico em funÃ§Ã£o de fosfato solÃºvel aplicado em covas ou na linha de semeadura. Revista Brasileira De Ciencia Do Solo, 1998, 22, 163-168.	1.3	0
38	Effect of seed phosphorus concentration on nodulation and growth of three common bean cultivars. Journal of Plant Nutrition, 1999, 22, 1599-1611.	1.9	17

#	Article	IF	Citations
39	Title is missing!. Euphytica, 1999, 106, 231-242.	1.2	94
40	Growth and yield of common bean cultivars at two soil phosphorus levels under biological nitrogen fixation. Pesquisa Agropecuaria Brasileira, 2000, 35, 809-817.	0.9	21
41	Nitrogen and phosphorus availability limit N 2 fixation in bean. New Phytologist, 2000, 147, 337-346.	7.3	89
42	Inoculated legumes in cropping systems of the tropics. Field Crops Research, 2000, 65, 123-136.	5.1	47
43	Fertilizer responses of dry bean in southern Alberta. Canadian Journal of Plant Science, 2001, 81, 343-350.	0.9	24
44	Biological Nitrogen Fixation: Phosphorus - A Critical Future Need?. , 2000, , 509-514.		24
45	Variation in di-nitrogen fixation among Andean bean (Phaseolus vulgaris L.) genotypes grown at low and high levels of phosphorus supply. Field Crops Research, 2002, 73, 133-142.	5.1	24
46	Efeitos do aumento do teor de fÃ³sforo na semente, obtido via adubaÃ§Ã£o foliar, no crescimento e na nodulaÃ§Ã£o do feijoeiro. Revista Brasileira De Ciencia Do Solo, 2002, 26, 183-189.	1.3	7
47	EmbebiÃ§Ã£o de sementes de soja em soluÃ§Ã£o de fosfato de potÃ¡ssio. Pesquisa Agropecuaria Brasileira, 2002, 37, 385-392.	0.9	1
48	Title is missing!. Plant and Soil, 2002, 243, 1-10.	3.7	27
49	Effect of combined application of Rhizobium, phosphate solubilizing bacterium and Trichoderma spp. on growth, nutrient uptake and yield of chickpea (Cicer aritenium L.). Applied Soil Ecology, 2005, 28, 139-146.	4.3	189
50	Routes of pyruvate synthesis in phosphorusâ€deficient lupin roots and nodules. New Phytologist, 2006, 169, 399-408.	7.3	59
51	Rock phosphate-P enhances biomass and nitrogen accumulation by legumes in upland crop production systems in humid West Africa. Biology and Fertility of Soils, 2006, 43, 124-130.	4.3	10
52	Effects of plant growth-promoting rhizobacteria on nodulation of Phaseolus vulgaris L. are dependent on plant P nutrition. , 2007, , 341-351.		6
53	Agronomic and Economic Potential of Tughutu and Minjingu Phosphate Rock as Alternative Phosphorus Sources for Bean Growers. Pedosphere, 2007, 17, 732-738.	4.0	5
55	Effects of plant growth-promoting rhizobacteria on nodulation of Phaseolus vulgaris L. are dependent on plant P nutrition. European Journal of Plant Pathology, 2007, 119, 341-351.	1.7	56
56	The effect of phosphorus deficiency on nutrient uptake, nitrogen fixation and photosynthetic rate in mashbean, mungbean and soybean. Acta Physiologiae Plantarum, 2008, 30, 537-544.	2.1	103
57	EFFICIENCY OFRHIZOBIUMINOCULATION AND P FERTILIZATION IN ENHANCING NODULATION, SEED YIELD, AND PHOSPHORUS USE EFFICIENCY BY FIELD GROWN SOYBEAN UNDER HILLY REGION OF RAWALAKOT AZAD JAMMU AND KASHMIR, PAKISTAN. Journal of Plant Nutrition, 2010, 33, 1080-1102.	1.9	32

#	Article	IF	Citations
58	Effect of arsenic contaminated irrigation water on Lens culinaris L. and toxicity assessment using lux marked biosensor. Journal of Environmental Sciences, 2012, 24, 1106-1116.	6.1	11
59	Assessing and modeling the role of the native legume Lupinus meridanus in fertility restoration in a heterogeneous mountain environment of the tropical Andes. Agriculture, Ecosystems and Environment, 2012, 159, 29-39.	5.3	7
60	Global assessment of limitation to symbiotic nitrogen fixation by phosphorus availability in terrestrial ecosystems using a metaâ€analysis approach. Global Biogeochemical Cycles, 2013, 27, 804-815.	4.9	81
61	How do phosphorus, potassium and sulphur affect plant growth and biological nitrogen fixation in crop and pasture legumes? A meta-analysis. Field Crops Research, 2014, 156, 161-171.	5.1	168
62	Growth and Nitrogen Fixation in Soybean as Affected by Phosphorus Fertilizer and Sheep Manure using¹⁵N Isotopic Dilution. Communications in Soil Science and Plant Analysis, 2014, 45, 487-497.	1.4	1
63	Nitrogen fixation by Pueraria lobata as a nitrogen source in the midstream sediment bar of a river. Ecohydrology, 2016, 9, 995-1005.	2.4	34
64	Soybean seed chemical composition as influenced by Bradyrhizobium inoculation in soils with elevated nickel concentrations. Applied Soil Ecology, 2020, 153, 103576.	4.3	3
65	Use of Vermicompost from Sugar Beet Pulp in Cultivation of Peas (Pisum sativum L.). Agriculture (Switzerland), 2021, 11, 919.	3.1	6
66	Plant Factors Affecting Nodulation and Symbiotic Nitrogen Fixation in Legumes. , 1984, , 75-98.		9
67	Nutrient requirements of pulses. Current Plant Science and Biotechnology in Agriculture, 1988, , 869-881.	0.0	2
68	Rationale of selection for specific nutritional characters in crop improvement with Phaseolus vulgaris L. as a case study. , 1983, , 395-408.		4
69	Nitrogen fixation by legumes in the tropics. , 1982, , 37-73.		28
70	Minimizing the effect of mineral nitrogen on biological nitrogen fixation in common bean by increasing nutrient levels. , 1993, , 131-138.		11
71	Mechanisms Improving Nutrient Use by Crop and Herbage Legumes. , 1990, , 253-311.		27
72	Climate Change and Symbiotic Nitrogen Fixation in Agroecosystems. Advances in Agroecology, 2006, , 85-116.	0.3	4
73	EFFECT OF PHOSPHATE ON NODULE PRIMORDIA OF SOYBEAN (Glycine max Merrill) IN ACID SOILS IN RHIZOTRON EXPERIMENTS. Indonesian Journal of Agricultural Science, 2016, 5, 37.	0.3	8
74	Factors Affecting the Efficiency of Symbiotic Nitrogen Fixation by Rhizobium. Pakistan Journal of Biological Sciences, 2002, 5, 1277-1293.	0.5	21
75	Climate Change and Symbiotic Nitrogen Fixation in Agroecosystems. , 2006, , 99-130.		0

#	Article	IF	Citations
76	Low Soil Fertility Tolerance in Landraces and Improved Common Bean Genotypes. Crop Science, 2003, 43, 110-119.	1.8	10
77	Role of Phosphorus and Inoculation with Bradyrhizobium in Enhancing Soybean Production. Advances in Agriculture, 2023, 2023, 1-14.	0.9	3