

LITERATURE SURVEY

S. No	Title	Year	Author	Publication	Remarks
1	Soil-app: a tool for soil analysis interpretation	2021	Matias, F. I. ., Sabadin, J. F. G. ., Moreira, L. A. ., Gomes, M. H. F. ., Mira, A. B. de ., Fritsche-Neto, . R. ., & Otto, R	Scientia Agricola	The app is an advanced model of an open-source platform to support teaching and learning activities in soil analyses and fertilizer recommendations. Soil-app includes soil test interpretation, soil amendment calculations (lime and gypsum), the fertilizer rate for the most important crops in Brazil, an NPK blend calculator, and NPK blend evaluation
2	Fertilizers and lime recommendations for the state of São Paulo	1997	Raij, B., van; Cantarella, H.; Quaggio, J.A.; Furlani, A.M.C.	Crop and Pasture Science	In tropical conservation agricultural systems, crop yield is limited by soil acidity and root-growth inhibition, especially under intensive crop rotation. This study evaluated the effect of surface applications of lime and phosphogypsum in improving soil fertility and crop yield in a tropical region
3	E-marketing of Agro Inputs like Bio-Pesticides, Seeds, Fertilizers, Insecticides, Tissue-Culture, Green House, Irrigation Systems, Cattle care, Farm Machinery & Equipments.	2022	Kisan E-Store Pvt. Limited	KISANeSTOR E.com	KISANeSTORE is a venture of Kisan E-Store Pvt. Limited, which is the First Agro-eStore in India to launch complete range of agro-inputs & agro-services.They have associated complete Ag-industry under one roof for successful ebusiness of KISANeSTORE
4	Assessment Models for Agriculture Soil Conditions and Crop Suitability ,Christian Thine Omuto,Package : Soil Assessment	2022	Christian Thine Omuto	CRAN	Soil assessment builds information for improved decision in soil management. It analyzes soil conditions with regard to agriculture
5	Soil pH Sensing Techniques and Technologies-A Review	2015	Sachin Kumar, Babankumar, Ritula Thakur, Manish kumar	Australian Journal of Soil Research	The suspension effect method (i.e. pH values obtained in stirred or non-stirred suspensions) was not significant in electrolyte solutions at all dilution ratios. There was, however, a small suspension ($P<0.05$) effect when measured in water. Use of electrolytes gave less variable values of suspension pH than water. Added electrolytes

					minimized the liquid junction potential, reduced fluctuations in pH measurements with time, and decreased the salt effect
6	Methods of pH determination in calcareous soils: use of electrolytes and suspension effect	2005	Al-Busaidi , P. Cookson, and T. Yamamoto	Australian Journal of Soil Research	Determination of pH assists in understanding many reactions that occur in soil. However, measured values of soil pH can be affected by the procedure used for determination and by a range of soil properties
7	Soil organic carbon: The value to soil properties	2013	Humberto Blanco-Canqui, Charles A. Shapiro, Charles S. Wortmann, Rhae A. Drijber, Martha Mamo, Tim M. Shaver, and Richard B. Ferguson	Journal of Soil and Water Conservation	Use of Conservation Buffers technique. Conservation plantings such as riparian buffers, grass hedges, vegetative filter strips, and windbreak buffers can promote SOC storage in agricultural lands by filtering and trapping sediment-associated C and by adding aboveground and belowground biomass C input
8	Cerrado: soil amendments and fertilization	2004	Sousa, D.M.G.; Lobato, E	Agronomia Colombiana	The practices of soil amendment and fertilization carried out over the years have allowed the improvement of the fertility in some of them in the Brazilian soils. The objective of this study was to evaluate the performance of soybean in response to phosphate fertilization in soil with improved fertility.
9	Soil-site Suitability Criteria for Major Crops, National Bureau of Soil Survey and Land Use Planning	2006	Naidu, L.G.K., Ramamurthy, V., Challa O., Hegde, R. and Krishnan, P	ICAR, Nagpur, India	This study presents soil suitability evaluation of two major crops grown in a Kupti watershed (11257 ha) located in Darwha block of Yavatmal district in Maharashtra. The study was warranted by continued persistence of the farmers to cultivate cotton and soybean crops during kharif season despite repeated failure of these crops especially cotton recently
10	Soil amendments and fertilizer recommendations for Minas Gerais: 5th approximation.	1999	Ribeiro, A.C.; Guimarães, P.T.G.; Alvarez, V.H.	Scientia Agricola	New apps have changed the traditional way of learning and teaching; they are also applied as a quickly executed and effective method in agriculture. Soil-app is a web application with a friendly click-point interface built through packages lodged in R software. The app is an advanced model of

					an open-source platform to support teaching and learning activities in soil analyses and fertilizer recommendations. S
11	The Farmers' Portal, a farmer will be able to get all relevant information on specific subjects around his village/block /district or state	2021	Department of Agriculture & Cooperation and Farmers Welfare	Ministry of Agriculture and Farmers Welfare, Government of India. https://farmer.gov.in/	Indian farmers are second to none in production and productivity despite of the fact that millions are marginal and small farmers. They adopt improved agriculture technology as efficiently as farmers in developed countries