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## Chemical Equilibria in Soils

By Willard L. Lindsay

The Blackburn Press. Paperback. Book Condition: New. Paperback. 450 pages. Dimensions: 9.0in. x 6.1in. x 0.9in. Originally published in 1979, this book is the result of 20 years experience in teaching soil chemistry and directing graduate research in soil science. Its objective is to bridge the gap between soil science and soil chemistry and to show that most reactions taking place in soils can be understood and predicted from basic chemical relationships. Emphasis is placed on minerals and solid phases in soils that dissolve and precipitate, and in doing so, control the composition of the soil solution. This is the only comprehensive treatment of chemical equilibria in the soil environment that is available. Other texts deal well with the kinetics of reactions in soils but touch lightly on the equilibrium concepts. This text is intended for soil scientists, plant nutritionists, aquatic chemists, geochemists, sanitary and water engineers, environmentalists, and others who are concerned with the reactions, solubility relationships, and fate of chemical substances in soils. This text is more universal in its application than the title may suggest. Chemical equilibrium concepts are commonly used in hydrologic, geologic, and environmental engineering applications. Any earth surface system whose character is influenced by species...



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