Principles of plant nutrition.

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Book : Principles of plant nutrition. 1978 pp.593 pp. ref.58 pp. of

Abstract : A 'textbook for students of agriculture, horticulture and forestry' chapters on plant nutrients, the soil as a plant nutrient medium, nutrient up assimilation, plant water relationships, nutrition and plant growth, fertilizer a chapter on each of N, S, P, K, Ca, Mg, Fe, Mn, Zn, Cu, Mo, B (their occurrence physiological importance and role in crop nutrition); and two final chapters c Co, and V; and (the elements with more toxic effects) I, Br, F, Al, Ni, Cr, Se, Pl Throughout the book virtually none of the numerous examples is taken fro <new para>ADDITIONAL ABSTRACT:<new para>The topics considered are:

nutrients; soil as a nutrient medium; nutrient uptake and assimilation; plant w
plant nutrition and growth; fertilizers; N, S, P, K, Ca, Mg, Fe, Mn, Zn, Cu, Mo, B
plant physiology and crop nutrition; Cl, Si, Co and V in soil, and in plant physi
nutrition; toxic elements (I, Br, F, Al, Ni, Cr, Se, Pb, Cd) in soil, and in plant phy
crop nutrition.<new para>ADDITIONAL ABSTRACT:<new para>This book is c
text-book for students of agriculture, horticulture and forestry, and as a gui
interested in plant science and crop production. Vegetable and fruit crops a
briefly.<new para>ADDITIONAL ABSTRACT:<new para>This book on the ass
nutrients, their functions in metabolism, their contribution to growth and yie
and on fertilizer application presents a wide spectrum of topics including so
physiology and biochemistry. It is intended essentially as a textbook for stu
providing information on solving practical problems, but also serves as a gu
interested in plant science and crop production. It is divided into 20 chapters
nutrients; the soil as a plant nutrient medium; nutrient uptake and assimilati
relationships; nutrition and plant growth; fertilizer application; N; S; P; K; Ca; M
Cu; Mo; B; further elements of importance; and elements with more toxic ef
3-5 in particular cover important aspects of ion uptake and ionic status of pla
photosynthesis, N and S assimilation, plant water relationships, water balan
distance transport, physiological aspects of water stress, salinity, essential
and yield components, nutrition and yield response, and nutrition and plant
composition. The effects of applied mineral nutrient on plant physiology and
are discussed in chapters 7-20. A list of references for further reading follo
chapter. A subject index is included.

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Countries, Western Europe, Europe

Back to top

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