

This book deals with trace elements, such as cobalt, copper, iron, manganese, selenium and zinc which are essential to modern animal nutrition, but are increasingly detrimental to soil and water quality in today's globalized production. The goal in finding a sustainable balance between trace element use in animal nutrition and its impact on the environment is addressed by focussing on the following questions:

- What is the trace element flow on farm, regional or national scale and which tools are available to influence the flow?
- What are today's and future soil and water quality in regards to trace minerals?
- What are the trace mineral loading limits in soil and water from a health and legal standpoint?
- Which technologies exist to modify slurry trace element contents?
- What is today's knowledge on quantitative and qualitative trace element requirements and recommended supplementation for ruminants, swine, poultry, fish and crustaceans?
- What is trace element bioavailability and how can it be determined?
- To which extent are trace minerals related to immune response?
- What are the future issues to be addressed in trace element nutrition?

This book contains the peer-reviewed papers of the first International Symposium on Trace Elements in Animal Production Systems which is a valuable resource for researchers and professionals in the life sciences of animal nutrition, soil and water quality, for actors in the feed industry and policy making.

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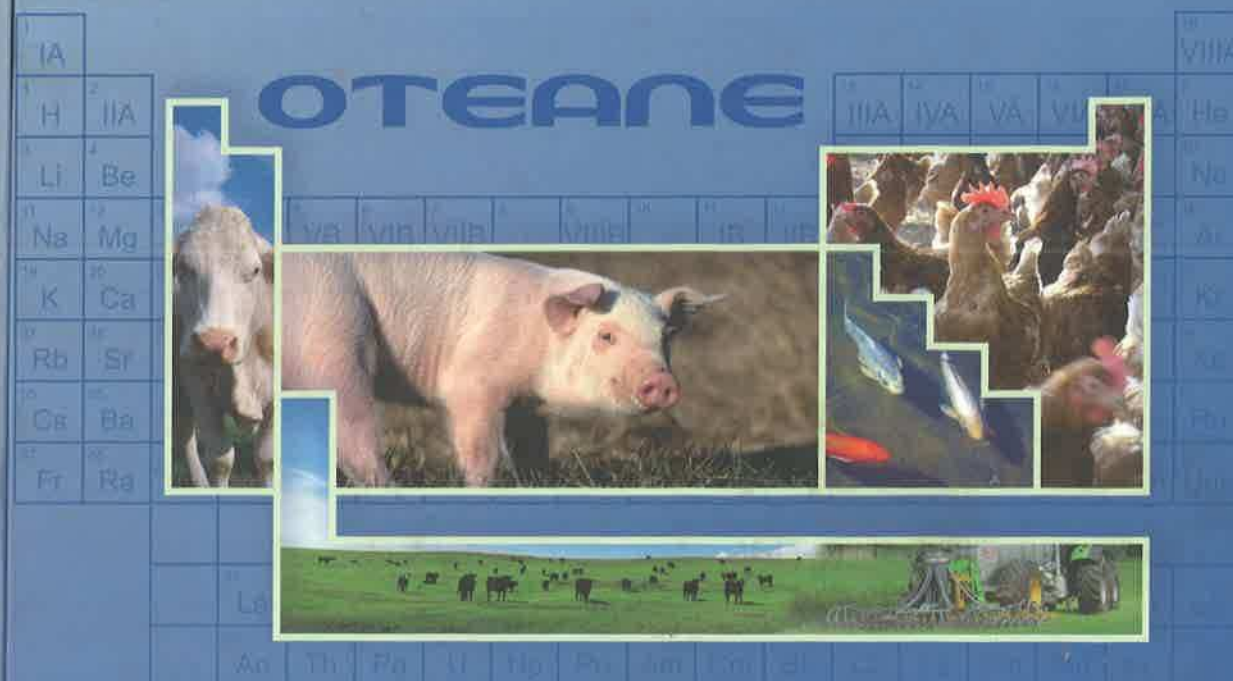
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Trace elements in animal production systems



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edited by:

P. Schlegel
S. Durosoy
A.W. Jongbloed

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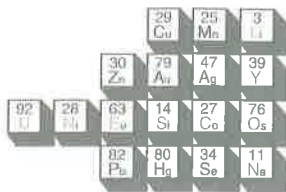
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