

Special Issue

Site-Specific Nutrient Management

Message from the Guest Editor

The concept known as site-specific nutrient management (SSNM) is a set of principles applied for solving two key groups of challenges for farmers. The first is to recognize a set of factors responsible for yield gap build-up on the field. The second one, directly resulting from the first, is to indicate agronomic measures that allow the existing yield gap to be covered. The concept of site-specific nutrient management can be successful provided there is a recognition of a set of factors responsible for:

- The in-season variability in the requirement of the crop for nutrients, with special attention to stages decisive for the development of yield components;
- Temporal and spatial variability of the available N content in the soil zone rooted by the crop plant during critical stages of the development of yield components;
- Temporal and spatial variability of the nutrient contents balancing N supply in the soil zone rooted by the crop plant;
- Synchronization of the in-season requirements of the crop for nutrients with their supply from both soil and applied fertilizers.

Guest Editor

Prof. Dr. Witold Grzebisz

Department of Agricultural Chemistry and Environmental Biogeochemistry, Poznan University of Life Sciences, 60-625 Poznan, Poland

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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