



2nd INTERNATIONAL SYMPOSIUM ON

MAGNESIUM

IN CROP PRODUCTION, FOOD QUALITY
AND HUMAN HEALTH

NOVEMBER 4 - 6, 2014

SÃO PAULO, BRAZIL

Mg²⁺

Keynote Speakers

Martin Broadley	United Kingdom
Ismail Cakmak	Turkey
Andreas Gransee	Germany
Christian Hermans	Belgium
Jian Feng Ma	Japan
Zed Rengel	Australia
Andrea Rosanoff	USA
Rhian M. Touyz	United Kingdom
Godofredo C. Vitti	Brazil
Philip White	United Kingdom

Venue

Hotel Bourbon Convention Ibirapuera
Avenida Ibirapuera, 2927 · São Paulo/SP

Abstract Submission

Two-pages extended abstracts should be submitted to mg-conference@iapn-goettingen.de by July 5, 2014. Please visit www.iapn.de for an abstract template.

Special Journal Issue

All oral and poster presenters are invited to submit a full manuscript to the magnesium special issue of the journal "Crop & Pasture Science" published by "CSIRO Publishing" in Australia. Detailed guidelines for submission of the papers are given at www.iapn.de

Conference Fee

Regular Participant: Early-bird-registration until Sept 1st
500 BRL / 150 EUR / 210 USD, later on
650 BRL / 200 EUR / 280 USD. Students get a reduction.

The registration fee covers participation in the symposium, abstract book, coffee breaks, lunch and one conference dinner.

Further Information:

Details concerning a call for abstracts and registration are provided at www.iapn.de.

Contact e-mail: mg-conference@iapn-goettingen.de

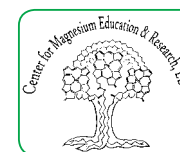
Organizers



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In collaboration with



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On-site event organisation



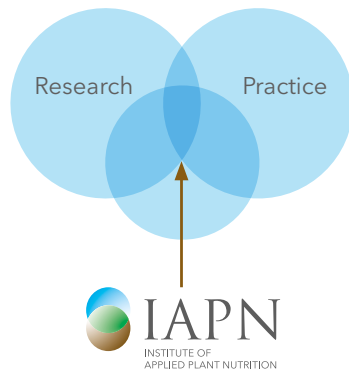
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The Institute of Applied Plant Nutrition

The Institute of Applied Plant Nutrition (IAPN) is a university-affiliated institute at the University of Goettingen, Germany. It was jointly founded by the University of Goettingen and K+S KALI GmbH in November 2010. The IAPN is dedicated to address research questions related to basic and applied plant nutrition and to transfer this knowledge from research to practice.



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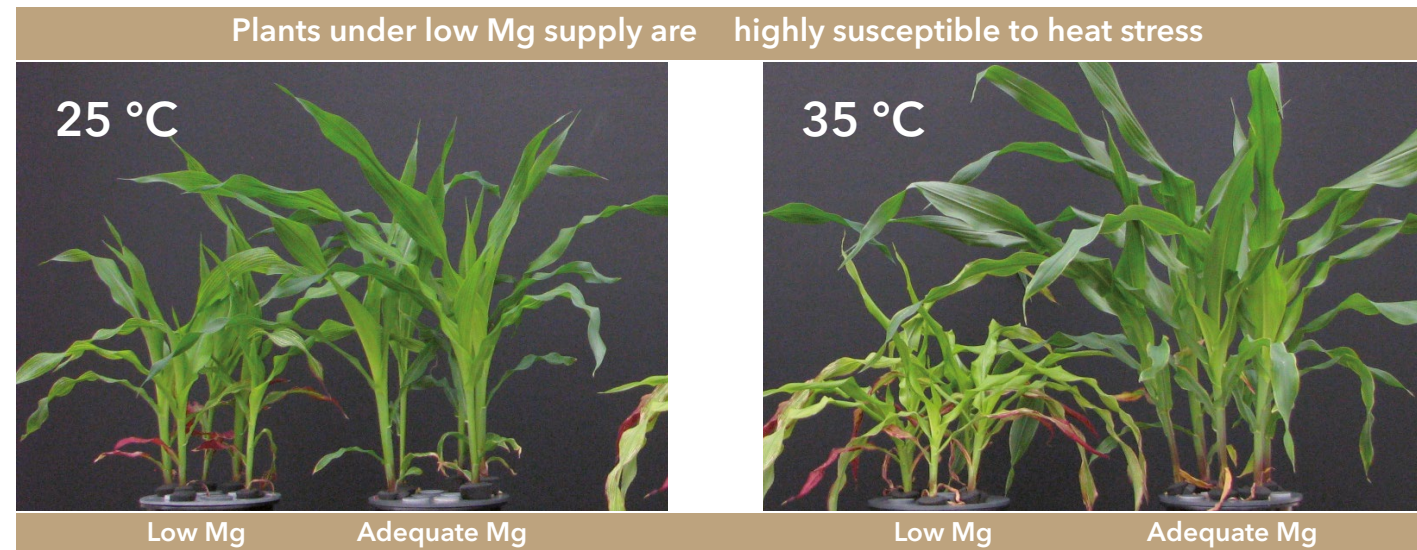
Magnesium: Crucial for crop plants and human beings

Magnesium (Mg) has a number of critical functions in biological systems. By activating more enzymes than any other mineral nutrient, Mg greatly contributes to various physiological and biochemical processes in cellular systems. An optimal supply of Mg is fundamental both for high quality crop products and also for maintenance of high yields, particularly under adverse growth conditions such as drought, soil acidity and heat/radiation stress.

Magnesium also represents an important mineral nutrient for a better human health and animal nutrition. A sufficient supply of Mg decreases risk of cardiovascular diseases,

strokes and diabetes. An adequate Mg nutrition is also of great importance for animals, especially for the grazing animals. Low amounts of Mg in grasslands or in feeds are often associated with various health complications in animals, such as grass tetany in grazing animals which is a potentially fatal metabolic disorder in animals.

The issues highlighted above will be main topics of the 2nd International Symposium on Magnesium in São Paulo, Brazil early November, 2014. A special attention will be given to the specific problems of Mg nutrition in Brazil and Latin America.



Mg deficiency becomes even more obvious at high temperatures.

(See: Mengutay et al, 2013, Plant and Soil, 368: 57-72)