

Conference Fee & Registration

Conference fee: free of charge

For discounts please write to the convenor
Falko Feldmann (Feldmann@phytomedizin.org)

Registration at the symposium website is possible between

15 August and 15 November 2021.

The conference language will be English.

Programme information:

Further details are given at the symposium website.

Contact :

Feldmann@phytomedizin.org

The symposium »Plant Protection and Plant Health International« is organised jointly by the *German Society for Plant Protection and Plant Health* (DPG, www.phytomedizin.org), and the *Julius Kühn-Institut* (JKI, www.julius-kuehn.de).

www.ppphi.phytomedizin.org



Foto: Urs Wyss

Symposium Committee

Falko Feldmann

German Society for Plant Protection and Plant Health (DPG) & Julius Kühn-Institut (JKI), Braunschweig, Germany

Johannes Jehle

Julius Kühn-Institut (JKI), Darmstadt, Germany

Klára Bradáčová, Markus Weinmann

University of Hohenheim, Hohenheim, Germany

Ewa Matyjaszyk

European Plant Protection Organisation (EPPO), Paris, France

Martin Kulhánek

Czech University of Life Sciences Prague, Czech Rep.

Ciprian George Foră

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania

Günter D. Neumann

BONARES-Projekt DiControl

Manfred Raupp

Biofactor Project, Madora, Lörrach, Germany

José Pereira Silva Junior

Empresa Brasileira de Pesquisa Agropecuária (EMBRAPA), Passo Fundo, Brasil



Plant Protection and Plant Health International



Biostimulants, soil improvers, bioprotectants: promoters of bio-intensification in plant production

10th International Symposium PPPHI jointly organised by JKI and DPG

23 November 2021

Online-Conference

Programme

www.ppphi.phytomedizin.org

The Symposium Topic

Production systems are considered as “sustainable” if input provides stable output with a minimum of unfavourable side effects on the environment. Many current plant production systems are characterized by rapidly grown, highly extractive plant varieties creating imbalanced ecological interrelationships. The respective inputs are mostly of chemical-synthetic kind, including mineral fertilizers, plant protection agents, growth regulators etc., because they can be handled rather efficiently with predictable success and partially replace or complement natural adaptations for nutrient acquisition and stress resilience.

However, our view on modern agriculture is changing: integrated plant production means intensification of using natural components in plant production systems. Due to environmental issues, use of chemical-synthetic components should be minimized. In this context, establishing a more holistic, agro-ecological approach is necessary.

The transformation process from the current conventional to more sustainable, future-oriented production is essential: Which strategies are most promising? Which role play commercial products for a bio-intensification of our production system? Are all necessary components legally authorised for the producers?

Accordingly, this symposium will deal with two major questions:

How can soil improvers, biostimulants, and bioprotectants help to promote and boost the bio-intensification?

Can we find management options to re-establish natural cycles helping us to equilibrate the system during production?

www.ppphi.phytomedizin.org

Preliminary Programme

Session 1: Words of Welcome and Introduction

Chair: Johannes Jehle (Julius Kühn-Institut, Germany)

11:00 Words of Welcome

Frank Ordon (Julius Kühn-Institut, Germany)
Ralph Hückelhoven (German Society for Plant Protection and Plant Health, DPG, Germany)

11:10 Agroecology: promoting natural bio intensification processes in crop production

Miguel A. Altieri (University of California, USA)

11:30 Placing products on the market

Patrick du Jardin (University of Liège, Belgium)

Session 2: Soil Improvers & Biostimulants

Chair: Klára Bradáčová, (University of Hohenheim, Germany)

11:50 Microbiomes for soil improvement

Rodrigo Mendes (Empresa Brasileira de Pesquisa Agropecuária, Brasil)

12:10 Under which conditions are biofertilizers effective ?

Paul Mäder (Research Institute of Organic Agriculture, FiBL, Switzerland)

12:30 Non-microbial biostimulants and soil improvers for bio-intensification

Alessandro Piccolo (University of Naples "Federico II", Italy)

12:50 Break

Session 3: Bioprotectants

Chair: Ewa Matyjaszczyk, (EPPO, FR)

13:10 Bioprotectants for bio-intensification of plant production

Christina Donat (International Biocontrol Manufacturers Association, IBMA, Austria)

Preliminary Programme

13:30 Are botanicals sustainable fungicides?

Ilaria Pertot (University of Trento/FEM, S. Michele all'Adige, Italy)

13:50 Boosting beneficial arthropods for ecological intensification of crop management

Annette Herz (Julius Kühn-Institut, Germany)

14:10 Break

Session 4: Bio-intensification in cropping systems

Chair: Günter D. Neumann (University of Hohenheim, Germany)

14:30 Bio-intensification by microbial use in industrial agriculture of Brasil

José Pereira da Silva Junior (Empresa Brasileira de Pesquisa Agropecuária, Brasil)

14:50 Bio-intensification in Hungarian horticulture

Borbála Biró (Szent Istvan University, Hungary)

15:10 Ecosystem services in permaculture systems

Sarah Hirschfeld (University of Guelph, Canada)

15:30 Break

Session 5: Biointensification and Regulatory affairs of commercial components

Chair: Johannes Jehle & Falko Feldmann (Julius Kühn-Institut, Germany)

15:50 Open discussion on the symposium topic

16:40 Summary of the symposium & conclusions

Falko Feldmann (DPG/JKI, DE)

17:00 End of Symposium