



Sessions and presentations

EuroBlight workshop 13-16 May, 2024 at de Werelt, the Netherlands.

Monday 13 May	
18:00-21:00	<p>Registration and mounting of posters, de Werelt</p> <ul style="list-style-type: none"> • Registration in the hotel at the poster session area • Mounting of posters • Welcome reception “Get together” (from 19.00)
Tuesday 14 May (Morning)	
07:30-08:15	Registration and mounting of posters, de Werelt
08:15-08:45	<p>Opening and organisational remarks</p> <ul style="list-style-type: none"> • <i>Jens G. Hansen</i> / EuroBlight • <i>Geert Kessel</i> / Local organizer, Wageningen Research • <i>Richard Harrison</i> / Managing director Plant Sciences Group, WUR
Session 1	Late and early blight - importance and pathogen characteristics. Status in Europe and beyond
Plenum	<i>Chair: Jens G. Hansen, Sub-chair: Alison Lees</i>
08:50-09:20	<p>Late blight and early blight in Europe in 2022 & 2023 <i>Isaac Abuley, Geert Kessel, Jens G. Hansen & Hans Hausladen</i></p>
09:20-09:40	A dynamic decade: shifts in populations of <i>Phytophthora infestans</i> in Europe and the consequences for late blight management / <i>David Cooke</i>
09:40-09:55	EuroBlight – a consultant’s view over the years / <i>Howard Hinds</i>
09:55-10:05	Status of global networks – key research questions and future directions <i>Ivette Acuna</i>
10:05-10:20	Discussion
10:20-10:45	Coffee break and poster session
10:45-11:05	The history of EU43 and resistance to mandipropamid in Denmark / <i>Jens G. Hansen</i>
11:05-11:20	Experience of late blight management in Denmark in the light of EU43 / <i>Lars Bødker</i>
11:20-11:35	Status from Syngenta - Field and environmental diagnostics for monitoring fungicide resistance evolution in <i>P. infestans</i> / <i>Lorenzo Borghi</i>
11:35 – 11:50	Status from Corteva – resistance risk management for oxathiapiprolin <i>Mamadou Kane Mboup</i>
11:50-12.05	Status of resistance management in potato pathogens and updated FRAC guidelines <i>Juergen Derpmann</i>
12.05-12.30	Panel Discussion. Moderator: <i>Geert Kessel</i>
12:30-13.30	Lunch



Tuesday 14 May (Afternoon)

Session 2	Epidemiology and host resistance
Plenum	<i>Chair: Geert Kessel Sub-chair: Didier Andrivon</i>
13:30-13.45	Spuds, Spores and Potato Dumplings: Aligning Breeding Objectives within the Organic Potato Value Chain / Karen Sieber
13:45-14:00	De novo domestication as a new means to fight late blight / Kim Hebelstrup
14.00-14:15	Phytophthora resistance in hybrid potato breeding / Jeroen Berg
14:15 – 14.30	A KASP marker-based platform to identify the late blight resistance genes in potato varieties <i>Jack Vossen</i>
14.30-14.45	Discussion
14.45-15.15	Coffee Break
15.15-15.30	Co-infections modulate late blight resistance expression in potato / Didier Andrivon
15.30-15.45	Global Solutions for Late Blight Management: Evaluating the Success of 3 R-Gene Potatoes in the Diverse Agricultural Landscapes of Asia and Africa. / Philip Wharton
15.45-16.00	Review of DSSs: how to include both host resistance and pathogen information <i>Geert Kessel</i>
16.00-16.15	Discussion
17:15-23:00	Guided walk and Dinner at the hotel





Wednesday 15 May (Morning)	
Session 3	Control strategies
Plenum	<i>Chair: Faye Ritchie Sub-chair: Bert Evenhuis</i>
08:30-08:45	SwisensPoleno: Real-time assessment of <i>P. infestans</i> sporangia <i>Tomke Musa and Erny Niederberger</i>
08:45-09:00	Applying CRISPR-Cas technology to bioaerosol environmental DNA for the monitoring of pathogenic species such as <i>P. infestans</i> / <i>Anne Parle-McDermott</i>
09:00-09:15	Zampro® Plus, the new BASF fungicide for late blight control / <i>Martin Teichmann</i>
09:15-09:30	Performance of Infinito for control of emerging late blight clones / <i>Albert Schirring</i>
09:30-09:45	Moving forward from a reactive to a proactive & predictive approach in Late Blight control <i>Audrey Derumier</i>
09:45-10:00	Beyond chemical control of late blight: Implementing IPM strategies with Orange oil in the SAGROPIA project / <i>Eric Ferré and Martien Melissant</i>
10:00-10:15	23 years of Belgo-Chinese collaboration to build VigiMAP, an efficient and versatile potato late blight DSS / <i>Maxime Bonnave</i>
10:15-10:30	Discussion
10:30-11:00	Coffee break and poster session

Session 4	Alternaria
Plenum	<i>Chair: Hans Hausladen Sub-chair: Isaac Abuley</i>
11:00 – 11:10	Studies on the sensitivity status of <i>Alternaria solani</i> towards Qols, SDHIs and DMIs / <i>Carolina Schroeder</i>
11:10-11:25	How culture filtrates of <i>Trichoderma</i> spp. influence the reaction of potatoes to early blight (<i>Alternaria solani</i>) / <i>Carolin Brune</i>
11:25-11:40	Metabolite-based resistance strategies of <i>Solanum bulbocastanum</i> against <i>Phytophthora infestans</i> and <i>Alternaria solani</i> / <i>Karin Gorzolka</i>
11:40-11:55	A new <i>Alternaria solani</i> predictive model based on Artificial Neural Network / <i>Thierry Marique</i>
11:55-12:10	Working towards the use of integrated pest management (IPM) of early blight in potato in south Sweden / <i>Åsa Lankinen</i>
12:10-12:25	ECOSOL – IPM approaches for the control of early blight / <i>Hans Hausladen & Isaac Abuley</i>
12:25-12:40	Discussion
12.40-13.45	Lunch

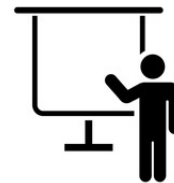




Wednesday 15 th May (Afternoon) Parallel Sessions	
Session 5	Parallel subgroup meetings
13.45-13.50	Introduction to parallel subgroup discussions <i>Geert Kessel, Alison Lees and Jens G. Hansen</i>
Session 5-A	Subgroup - control strategies <i>Chair: Bert Evenhuis Sub-chair: Faye Ritchie</i>
13:55-14:10	Control of potato late blight: considerable benefits from potassium phosphonate under a severe challenge / <i>Ruairidh Bain</i>
14:10-14:25	Harnessing the power of phosphorous acid in managing potato late blight / <i>Sanjeev Sharma</i>
14:25-14:40	Cultivar resistance, disease forecasting, potassium phosphonate and reduced doses of fungicides: the winning combo against potato late blight / <i>Pierre Deroo</i>
14:40-14:55	Biological control of <i>Phytophthora infestans</i> in <i>Solanum tuberosum</i> by volatile organic compounds / <i>Laurence Vandenbulcke</i>
14:55-15:10	Suppressing potato late blight through (strip) intercropping, exploring potential disease suppressive mechanisms / <i>Zohralyn Homulle</i>
15:10-15:30	Discussion
15:30-16:00	Coffee break
16:00-16:15	A new field experimentation method to improve IPM strategies for potato late blight / <i>Faye Ritchie</i>
16:15-16:30	ECOSOL – IPM approaches for the control of late blight / <i>James Lynott</i>
16:30-16:45	Experience in the implementation and impact of an early warning system for potato late blight management in Latin America / <i>Ivette Acuña & Florencia Lucca</i>
16:45-17:00	Update on the EuroBlight table / <i>Bert Evenhuis</i>
17:00-17:15	Discussion
Session 5-B	Subgroup - Pathogen characteristics & host resistance <i>Chair: David Cooke Sub-chair: Geert Kessel</i>
13:55-14:10	Genotypic and phenotypic characterization of <i>P. infestans</i> isolates from Kenya and Nigeria / <i>Eric Magembe</i>
14:10-14:25	Phenotypic traits of novel <i>P. infestans</i> genotypes in Denmark / <i>Isaac K. Abuley</i>
14:40-14:55	Predicting future <i>P. infestans</i> outbreaks: New tools to identify emerging lineages, virulence phenotypes and track spread / <i>Jean Ristaino</i>
14:55-15:10	Rating potato varieties: 30 years of experiments reanalyzed to explicit resistance and explain its variability / <i>Delphine Chauvin</i>
15:10-15:30	Discussion
15:30-16:00	Coffee break
16:00-17:00	Subgroup discussions - The way forward. What are the main research questions and how can we collaborate?
19:00-22:30	Workshop dinner at the Doorwerth Castle



Thursday 16 May	
Plenum	EuroBlight, Potato late blight early warning – initiatives and activities in 2024. Feed into subgroup discussions
08:30-08:50	<i>Jens G. Hansen & Geert Kessel & Alison Lees</i>
Session 5	Parallel subgroup meetings continued
08:50-10:00	
Control strategies: (<i>Moderator: Bert Evenhuis, Secretary: Faye Ritchie</i>) <ul style="list-style-type: none"> Updating fungicide tables New initiatives - EuroBlight early warning activities related to the Farm to Fork (F2F) strategy 	
Pathogen and host resistance: (<i>Moderator: David Cooke, secretary: Geert Kessel</i>) <ul style="list-style-type: none"> Collaboration between networks: harmonization, integration and sharing of data and results New initiatives - EuroBlight early warning activities related to the Farm to Fork (F2F) strategy – Collaboration about phenotyping and global issues re pathogen monitoring 	
Alternaria: (<i>Moderator: Hans Hausladen, Secretary: Laura Meno Fariñas</i>) <ul style="list-style-type: none"> Updating fungicide table Collaboration between network: harmonization, integration and sharing of data and results New initiatives - EuroBlight early warning activities related to the Farm to Fork (F2F) strategy 	
10:00-11:00	Coffee break
Session 6	Outlook and new initiatives – reports and discussion.
Plenum	<i>Chair: Jens G. Hansen Sub-chair: Alison Lees</i>
11:00-12:15	Report from the subgroups <ul style="list-style-type: none"> Alternaria Subgroup (<i>Hans Hausladen</i>) / 10 +5 minutes Fungicide Subgroup (<i>Bert Evenhuis</i>) / 10 + 5 minutes Pathogen and Host resistance Subgroup (<i>David Cooke</i>) / 10 + 5 minutes Outline of the EuroBlight statement 2024 (<i>Didier Andrivon</i>) / 15 + 15 minutes
12:15-12:40	Introduction to EuroBlight workshop 2026 - <i>Carmen Seijo Coello</i> Closing of the workshop / <i>Geert Kessel & Alison Lees</i>
12:40-13:00	Lunch or “Sandwich to go” and Depart
Afternoon	Post workshop tour to ICM Field Trials in Lelystad. Optional drop off at Lelystad railway station afterwards (around 17:00) providing a quick link to Schiphol airport.



Poster Presentations continuous 13 – 16 May

Lead author	Title
1. Anna Gerdtsen	Combining cultivation of resistant varieties with the use of blight monitoring and control according to decision support systems (DSS) as effective IPM strategies in potato cultivation
2. Steve Bicko	Transgene-free molecular breeding techniques
3. Charlotte Prodhomme	Preliminary results of the use of genomic selection for late blight resistance: influence of the MAF (Minor Allele Frequency) on the predictions reliability.
4. Chiara De Pasqual	Evolution of fungicide resistance in <i>Alternaria solani</i> . How can we mitigate resistance development?
5. Manuela Hermeziu	The response of some potato varieties to the use of fungicides applied to control late blight in current climatic conditions in the central part of Romania
6. Rebecca Joynt	Late blight epidemics in the UK, and their development in relation to risk predictions over the last 10 years
7. Žarko Ivanović	Occurrence and distribution of the <i>Phytophthora infestans</i> populations on potato and tomato in Serbia
8. Steven Kildea	Detection of resistance in <i>Phytophthora infestans</i> to the carboxylic acid amide (CAA) fungicides using digital droplet PCR
9. Laura Meno Fariñas	Testing of the late blight prediction model NEGFRY in Galicia
10. Pierre Deroo	Potato Early Blight: a weakness disease that scares more than it looks and a decision support system to avoid over treatment
11. Jean Beagle Ristaino	Mining historic herbaria to track <i>Phytophthora infestans</i> effector and Solanum R gene diversity and evolution over time
12. Mout De Vrieze	How robust is the inhibitory potential of bacterial strains against different <i>P. infestans</i> genotypes?
13. Isaac K. Abuley	Sustainability and Resilience in Organic potato production - SROPP
14. Martin Teichmann	Revyona®, a summary of its field performance
15. Alison Lees	Monitoring fungicide sensitivity in the wider European context
16. Trudy van den Bosch	The Wageningen UR <i>Phytophthora infestans</i> reference collection



A potato late blight network for Europe



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