

Program Event 1: Biocidal plants (= plants used for biofumigation)



Biofumigation 7
plants for soil health

Monday, 22 March 2021 Day 1		
13.00	Welcome and information Information to the use of Hopin, presentation of Agroscope and Best4Soil	
13.30	Keynote: Crop production systems with reduced pesticide inputs: The role of biofumigation in sustainable pest, weed and disease management (01)	Back M. , Harper Adams University, Newport, UK
14.20	Functional Synergistic Biofumigation (FSB) as an innovative technology for controlling soilborne plant pathogens and root-knot nematode under intensive cropping systems in developing countries (02)	Salem M. F. , University of Sadat City, Sadat City, Egypt
14.50	Break	
15.10	Agronomical and biochemical characterization of some <i>Camelina</i> spp. accessions (03)	Matteo R. et al. , CREA-Research centre of cereal and industrial crops, Bologna, Italy
15.40	From the lab to the field: what we have learned in twenty years (04)	Gies D. , High Performance Seeds, Moses Lake, USA
16.10	<i>Brassicaceae</i> selection for Biofumigation purposes (05)	Montanari M. et al. , CREA, Bologna, Italy
16.40	Wrap-up - Summary of the day, final discussion of the day	
17.00	End of the day	
Tuesday, 23 March 2021 Day 2		
13.00	Welcome & information - Information to the use of Hopin	
13.10	Keynote: New tools and new application sectors for biofumigant cropping system (06)	Lazzeri L. et al. , CREA - Research centre of cereal and industrial crops, Bologna, Italy
13.50	Improving soil condition and yields using biofumigation across high value annual and perennial horticultural crops in Tasmania	Finningan J. , Australia EE Muir and Sons Pty Ltd, trading as Serve-Ag, Longford, Australia
14.20	Recent developments of the use of biofumigation for the control of soilborne diseases in Italy (08)	Infantino A. et al. , CREA, Roma, Italy
14.50	Break	
15.10	Isothiocyanates associated with <i>Brassica</i> species impedes the survival and foraging activity of the stem nematodes <i>Ditylenchus gigas</i> and <i>D. dipsa</i> (09)	Musa N. B. et al. , Harper Adams University, Newport, UK
15.40	On-Farm assessment of biofumigation and reduced tillage for soil-borne disease mitigation and soil health improvement in New York State, USA (10)	O'Dea J.K. et al. , Washington State University, Vancouver, USA
16.10	Horticultural crop health and yield and greenhouse soil conditions after 16 years of repeated treatments of biofumigation and solarization (11)	Mitidieri M. et al. , Universidad Nacional de Rosario, Instituto Nacional de Tecnología Agropecuaria, San Pedro, Argentina
16.40	Wrap-up - Summary of the day, final discussion of the day	
17.00	End of the day	
Wednesday, 24 March 2021 Day 3		
13.00	Welcome & information - Information to the use of Hopin	
13.10	Biofumigant cover crops - a promising strategy for soil and disease management in southeast Queensland (12)	Duff J. et al. , Department of Agriculture and Fisheries, Queensland, Gatton, Australia
13.40	<i>Origanum vulgare</i> vapour primes defence mechanisms in grapevine (<i>Vitis vinifera</i>) and hinders <i>Plasmopara viticola</i>	Rienth M. et al. , Changins, haute école de viticulture et œnologie, Nyon, Switzerland
14.10	Biofumigation as a tool for a holistic approach to integrated wireworm population management (14)	Furlan L. et al. , Veneto Agricoltura, Settore Ricerca Agraria, Legnaro, Italy
14.40	Break	
15.00	Use of biofumigant seeds meal in liquid formulation to improve the soil fertility and to limit the symptoms of mortality in kiwifruit plants (15)	Mosso F. et al. , Agristore Srl, Nutrien SpA, CREA CI, Italy
15.30	Poster session Event 1 (P01 / P02 / P03)	Ait Kaci A.N. et al. / King L. M. et al. / Mitidieri M. et al.
16.15	Wrap-up - Summary of the day, final discussion, conclusion of Event 1	
16.45	End of Event 1	

Program Event-2: Non-biocidal plants (= plants used for other purposes)



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Thursday, 25 March 2021 Day 1		
13.00	Welcome & information Information to the use of Hopin, presentation of Agroscope and Best4Soil	
13.30	Keynote: Use of rotations, cover crops, and green manures for disease suppression in potato cropping system (16)	Larkin R., USDA-ARS, Orono, USA
14.10	Keynote: Multi-service cover crops: towards a new paradigm for biocontrol and soil fertility enhancement (17)	Couëdel A., Justes E. <i>et al.</i> , CIRAD, Montpellier, France
14.50	Break	
15.10	Root exudate analysis of buckwheat and oat in the presence of redroot pigweed (18)	Gfeller A., Wirth J., Agroscope, Nyon, Switzerland
15.40	New Rhizobiales strains isolated in North Italy from <i>Crotalaria juncea</i> Linn. nodules and production of inoculants (19)	Kron Morelli R., Agrifutur srl, Alfianello, Italy
16.10	Poster session Event 2 (P04 / P05)	Enouf J. <i>et al.</i> / Larkin R. P.
16.40	Wrap-up Summary of the day, final discussion of the day	
16.50	End of the day	
Friday, 26 March 2021 Day 2		
13.00	Welcome & information Information to the use of Hopin	
13.10	Keynote: Breeding of green manures and cover crops: Biofumigation, resistance, biocontrol and organic matter (20)	Schlathölder M., P. H. Petersen Saatzzucht Lundsgaard GmbH, Grundhof, Germany
13.50	Use of Marigolds (<i>Tagetes</i> spp.) as cover crop for the control of tomato root knot nematodes (<i>Meloidogyne</i> spp.) in Morocco (21)	Besri M., Institut Agronomique et Vétérinaire Hassan II, Rabat, Morocco
14.20	Eco-friendly alternatives against soil-borne diseases in strawberry cultivation in Martell Valley (South Tyrol, Italy) (22)	Soppelsa S. <i>et al.</i> , Laimburg Research Centre, Laimburg, Italy
14.50	Break	
15.10	Is diversity of service plant species a way to archive higher biomass and N accumulation in winter oilseed rape - service plant intercropping? (23)	Bousselin X. <i>et al.</i> , Agroscope, Nyon, Switzerland
15.40	Novel microbial-based bioproducts improving soil biodiversity and the effectiveness of biocontrol and biofertilization practices in horticulture (24)	Mocali S. <i>et al.</i> , CREA - AA, Firenze, Italy
16.10	Plant-derived sources for anaerobic soil disinfestation in Southern California (25)	O. Daugovish <i>et al.</i> , University of California, Santa Cruz, USA
16.40	Wrap-up Summary of the day, final discussion, conclusion of Event 2	
17.00	End of the symposium	

List of posters		
P01	Potential of Brassica cover crop and biofumigation to reduce <i>Verticillium dahliae</i> germination and Sunflower <i>Verticillium</i> Wilt	Ait Kaci A.N. <i>et al.</i> , Ecole d'Ingénieurs de PURPAN, Toulouse, France
P02	Examining biofumigant crops for the management of pea foot rot complex pathogens	King L.M. <i>et al.</i> , Warwick University, Coventry, UK
P03	Biofumigation experiences in Argentina	Mitidieri M. <i>et al.</i> , Instituto Nacional de Tecnología Agropecuaria, Argentina
P04	Sulphate catch cropping performances of rapeseed and mustard species	Enouf J. <i>et al.</i> , INRA Université Caen Normandie, France
P05	Soil microbiome characteristics associated with long-term potato cropping system management practices	Larkin R.P., USDA-ARS, Orono, ME, USA



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