INSECTA 2023 Sponsoring Partners



| Tuesday, September 12, 2023 |
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Get - Together (Ratswaage Hotel Magdeburg - Ratswaageplatz 1-4, 39104 Magdeburg, Germany) 19:00

Wednesday, September 13, 2023

07:30 - 08:30 Onsite Registration

| Time | Торіс | Speaker | Company / Institute |
|-------|---|---|---|
| 09:00 | Welcome to Magdeburg and to INSECTA 2023 | Dr. Sara Hadjiali | Pilot Pflanzenöltechnologie Magdeburg e. V. |
| 09:05 | General Information | Dr. Thomas Piofczyk | Pilot Pflanzenöltechnologie Magdeburg e. V. |
| | KEYNOTE LECTURE: Room | Black Soldier Fly | |
| 09:10 | Insect farming in the European Union: intersecting food systems, sustainability, and animal farming | Francis Maugère | Eurogroup for Animals, Belgium |
| 09:40 | The evolution of complete metamorphosis in insects | Dr. Christin Manthey | Max Planck Institute for Chemical Ecology, Germany |
| | Company Presentation: Roor | n - Black Soldier Fly | |
| 10:10 | The importance of precision feeding in insect farming | Geert Poels | VDL Insect Systems |
| 10:20 | Bühler & Entocycle: Leading the way in delivering industrial- scale insect solutions worldwide | Matthew Simmonds & Javier Arteche Landi | Entocycle & Bühler |
| 10:30 | Coffee Break, Poster Exhib | ition, Sponsors Exhibiti | on |

Session 1: Room - Black Soldier Fly: Processing & Commercialization; Chair: Prof. Dr. Arnold Van Huis

| 11:10 | Processing of Larvae- Actual Trends | Stefan Kirchner | GEA, Germany |
|-------|--|-----------------------|--|
| 11:30 | How to reach your commercial potential and how a supermarket could be unexpected help. | Bob Holtermans | INSECT Engineers BV, The Netherlands |
| 11:50 | Dielectric drying of black soldier fly larvae: impact on nutritional, chemical and microbiological quality and stability | Dries Vandeweyer, PhD | Research Group for Insect Production and Processing, KU- Leuven, Belgium |









| | Session 2: Room - Grasshopper: SPECIAL: ValuSec | ct Session 1; Chair: Dr. Go | eert Verheyen |
|-------|--|--|--|
| 11:10 | Project description and online platform | Dr. Sabine Van Miert | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
| 11:30 | CO2 and ammonia emitted by <i>Tenebrio molitor</i> and <i>Acheta</i> domesticus | Carl Coudron | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
| 11:50 | Cultural Influences on Insect Food Acceptance: A Comparative Study in Europe | Dr. Natalia Naranjo- Guevara & Dr. Sonja Floto - Stammen | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
| | Session 3: Room - Cricket: Processing 2; C | hair: Dr. Katharina Haup | enthal |
| 11:10 | Impact of enzymatically treated substrate on insect development and survival | Michał Krzyżaniak | University of Warmia and Mazury in Olsztyn, Olsztyn, Poland |
| 11:30 | Enhancing nutrient-poor substrates through Solid-State Fermentation: The Impact on nutritional value and the fate of secondary metabolites | Dr. Wael Yakti | Humboldt-Universität zu Berlin, Berlin, Germany |
| 11:50 | Comparative Assessment of Insect Processing Technologies for Sustainable Insect Protein Production | María Cámara Ruiz, PhD | Centro Tecnológico de la Energía y el Medio Ambiente (CETENMA), Spain |
| | Session 4: Room - Grasshopper: Insect Bre | eding; Chair: Dr. Martin | Kulma |
| 12:10 | Preparing students of veterinary medicine for attending insect farms in Germany | Dr. Nils Th. Grabowski | Institute for Food Quality and Food Safety, University of Veterinary Medicine Hannover, Hannover, Germany |
| 12:30 | Selective breeding in Black Soldier Fly and what this can achieve in productivity | Desmond Cave | Beta Buds Ltd, United Kingdom |
| 12:50 | Scaling up fly mating chambers: lessons learned from operating 4m ³ and 24m ³ fly mating chambers | Seppe Salari | Insectocylce, The Netherlands |









| | Session 5: Room – Black Soldier Fly: Insect Applicat | ion in Non-Food; Chair: I | Dr. Oliver Schlüter |
|-------|---|--|--|
| 12:10 | Insect fat of <i>Hermetia illucens</i> as base material for the production of biolubricants | Harald Wedwitschka & Dr. Thomas Piofczyk | DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH, Germany |
| | | | Pilot Pflanzenöltechnologie Magdeburg e.V., Germany |
| 12:30 | Degradation of bioplastics by black soldier fly (<i>Hermetia illucens</i>) | Dr. Matthias Gosselin | Service des materiaux polymers et composites, University of Mons, HEPH-Condorcet, Belgium |
| 12:50 | Effects of <i>Hermetia illucens</i> frass on growth and development of bean plants (<i>Phaseolus vulgaris</i> L.) | Ann De Volder | KU Leuven, Department of Biosystems, Research Group for Sustainable Crop Production & Protection, Geel, Belgium |
| | Session 6: Room - Cricket: Insect & Environm | ent; Chair: Prof. Dr. Ond | er Altuntas |
| 12:10 | The Development of Insect Biorefinery in Taiwan Toward Sustainable Feed and the Goal of Net Zero | Prof. Yu-Shen Cheng | National Yunlin University of Science and Technology |
| 12:30 | Practical adjustments in fly larvae composting when treating plant-based waste | Lovisa Lindberg | Environmental Engineering, Swedish University of Agricultural Scienes, Uppsala, Sweden |
| 12:50 | BSF health and welfare: Emerging challenges for the industry | Dr. Olivier Mesnil | Innovafeed, Paris, France |
| 13:10 | Lunch Break, Poster Exhibitic | on, Sponsors Exhibition | |
| | Session 7: Room - Black Soldier Fly: Microbes | and Insects; Chair: Dr. S | arah Bothe |
| 14:10 | Microbiological profile of productive gryllid and tenebrionid frass before and after heat treatment | Dr. Nils Th. Grabowski | Institute for Food Quality and Food Safety, University of Veterinary Medicine Hannover, Hannover, Germany |
| 14:30 | Transmission of microorganisms across different life stages of black soldier fly (<i>Hermetia illucens</i>): Case study of <i>E. coli</i> | Noor Van Looveren | KU Leuven, Department of Microbial and Molecular Systems (M2S), Research Group for Insect Production and Processing (IP&P), Geel, Belgium |









| | Session 8: Room - Grasshopper: SPECIAL: European | Tenebrio Table 1; Chair: | Dr. Simon Berner |
|-------|---|----------------------------|---|
| 14:10 | <i>T. molitor</i> in circular economies: Key aspects of the implementation of <i>T. molitor</i> mass rearing in Austria | Dr. René Rehorska | FH JOANNEUM University of Applied Sciences, Graz, Austria |
| 14:30 | Innovative Entomological Solutions for Dietary Supplements | Alexia Nectoux, PhD | Centres de Recherches des Instituts Groupés de la Haute Ecole Libre de Mosane, Liège, Belgium |
| 14:50 | Modified wheat-bran-based artificial diet for mass culturing of mealworm (<i>Tenebrio sp.</i>): Implications on its biomass quality | Peter Musembi John | International Centre of Insect Physiology and Ecology (<i>icipe</i>), Nairobi, Kenya |
| | Session 9: Room - Cricket: Diet, Sensory, Nutri | tion; Chair: Prof. Dr. Hül | ya Altuntas |
| 14:10 | Nutritional, sensory and microbial characteristics of extruded millet and maize composite flours enriched with house crickets (Acheta domesticus) | Tom Bbosa | Department of Microbial and Molecular Systems, Research Group for Insect Production and Processing, KU Leuven, Geel Campus, Geel, Belgium |
| 14:30 | Implementation of Chitin Analysis in the Weende Analysis: A Cost-Effective Approach for Assessing Chitin Content in Insect- Based Feed Ingredients and Mixed Feed | Patrick Sudwischer | Forschungsinstitut Futtermitteltechnik, Braunschweig, Germany |
| 14:50 | Biotransfer of heavy metals along the edible insect-human food chain: Implications for consumer safety | Susan Mwelwa | Copperbelt University, Kitwe, Zambia |
| 15:10 | Coffee Break and Poster | Exhibition | |
| 15:40 | Group Photo (Please gat | her at the Venue Entry) | |
| | Session 10: Room - Black Soldier Fly: Heath and I | Microbes; Chair: Dr. Nils | Th. Grabowski |
| | | | |
| 16:00 | Dietary protein levels affect health, development and immune responses of black soldier fly | Parth Shah | Laboratory of Entomology, Wageningen University & Research, the Netherlands |
| 16:20 | Enzymatic catalyzed oxidation in black soldier fly larvae ingredients: identification and activity evaluation of key enzymes | Ghina Kotob | Protix Ingredients B.V., The Netherlands |
| 16:40 | The versatile microbiome of <i>Hermetia illucens</i> guts and frass and its beneficial functions | Dr. Dorothee Tegtmeier | Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Giessen, Germany |







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| | Session 11: Room - Grasshopper: SPECIAL: European | Tenebrio Table 2; Chair: | Dr. René Rehorska |
|-------|---|------------------------------------|---|
| 16:00 | How can <i>T. molitor</i> be implemented as a sustainable source of protein in Austria | FH-Prof. DI DrIng. Simon Berner | FH JOANNEUM University of Applied Sciences, Graz, Austria |
| 16:20 | Sex determination in <i>Tenebrio molitor</i> beetles is difficult and inconsistent | Dr. Juliane Hirnet | Stiftung Tierärztliche Hochschule Hannover, Germany |
| 16:40 | Feed conversion of salad roots in <i>Tenebrio molitor</i> across larval development | Christian Schnorr | University of Applied Science Fulda, Germany |
| | Session 12: Room - Cricket: Feed & Fertilize | er; Chair: Dr. Sebastian I | Berthold |
| 16:00 | Exploring the potential of black soldier fly-composted frass fertilizer in the control of nematodes and boosting potato yields in Africa | Emmanuel O. Anedo | International Centre of Insect Physiology and Ecology (<i>icipe</i>), Nairobi, Kenya |
| 16:20 | Quantifying dioxins and polycyclic aromatic hydrocarbons in edible insects from East Africa | Dr. Carolyne Kipkoech | German Federal Institute for Risk Assessment (BfR), Berlin, Germany |
| 16:40 | Effects of Gainesville diet fortification with steamed legumes on growth performance of Black Soldier Fly larvae compared to chicken feed | Thomas Freimuth | Research Institute for Farm Animal Biology (FBN), Dummerstorf, Germany |
| 5 | Session 13: Room - Black Soldier Fly: Selective Breeding an | d Safety Assessment; C | hair: Chandra Dev Borah |
| 17:10 | Advancing Black Soldier Fly selective breeding through computer vision-based phenotyping | Sarah Nawoya | Center for Quantitative Genetics and Genomics, Aarhus University, Denmark |
| 17:30 | Safety assessment of black soldier fly larvae reared on food waste | Dr. Ivã Guidini Lopes | Department of Biosystems and Technology, Swedish University of Agricultural Sciences, Alnarp, Sweden |
| 17:50 | End of Lectures – Announcement – Room | - Black Soldier Fly - Dr. | Thomas Piofczyk |





19:30 Evening Event (Ratswaage Hotel Magdeburg - Ratswaageplatz 1-4, 39104 Magdeburg, Germany)





| | Thursday, September 14, 2023 | | | | |
|-------|--|----------------------------------|---|--|--|
| 08:00 | Gathering at Venue | | | | |
| | | | | | |
| Time | Торіс | Speaker | Company / Institute | | |
| | KEYNOTE LECT | URE: Room - Black Soldier | Fly | | |
| 08:30 | Optimizing insect industry with artificial intelligence (AI) | Urs Liebau | Center for digital GreenTech, August- Wilhelm-Scheer Institute, Clausthal, Germany | | |
| | Company P | resentation: Room - Black | Soldier Fly | | |
| 09:00 | YOUR SOLUTION PARTNER FOR INSECT PROTEINS | Dr. Christian Kling | ANDRITZ AG | | |
| 09:10 | Company Presentation | | Royal Dutch Kusters Engineering, The Netherlands | | |
| 09:20 | Insect farm automation: the benefits of data | Jasper van Dijke | Viscon Insect Technology | | |
| 09:30 | Jumping from the idea to an operative protein plant: Planning approach and best practice from the project management perspective | Artur Kühl | REINARTZ GmbH & Co. KG, Germany | | |
| | Session 14: Room - Black Soldier Fly | /: Food and Nutrition; Cha | ir: Prof. Dr. Laura Gasco | | |
| 09:55 | Cuticle-reduced Black-Soldier-Fly-meal used as a sole source of the dietary protein shows casein-matching lean-mass retention efficiency and dietary-indispensable amino acids score in mice | Dr. Roee Gutman | Laboratory of Integrative Physiology (LIP), MIGAL - Galilee Research Center, Department of Animal Sciences, Faculty of Sciences and Technology, Tel-Hai College, Israel | | |
| 10:15 | How to convince consumers to eat insects? | Prof. Dr. Ir. Arnold van Huis | Laboratory of Entomology, Wageningen University & Research, Wageningen, the Netherland | | |
| 10:35 | Black soldier fly larvae's role in transforming blends of dairy manure and soybean curd residue mixtures | Dr. Kashif ur Rehman | DIL Deutsches Institut für Lebensmitteltechnik e. V. (German Institute of Food Technologies), Germany | | |







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| | Session 15: Room - Grasshopper: Insect Proc | essing for Food and Feed | ; Chair: Prof. Mik Van Der Borght |
|----------------|--|---|--|
| 09:55 | Amsterdam residents' attitudes towards various scenarios of urban initiatives with edible insects | Dr. Maryia Mishyna | Food Quality & Design Group, Wageningen University & Research, Wageningen, the Netherlands |
| 10:15 | Effects of common regional by-products on performance and nutritive value of black soldier fly larvae (BSFL) in fattening | Laura Schneider | University of Applied Sciences Bingen, Germany |
| 10:35 | The effect of processing on nutritional value of insects: the case study with mealworm and Jamaican field cricket | Prof. Ing. Lenka Kourimska, Ph.D. | Department of Microbiology, Nutrition and Dietetics, Czech University of Life Sciences Prague, Praha, Czech Republic |
| | | | · · · · · · · · · · · · · · · · · · · |
| | Session 16: Room - Cricket: N | utritive Value; Chair: Dr. S | ebastian Berthold |
| 09:55 | Session 16: Room - Cricket: Ni Small-scale estimation of greenhouse gas emission from insects: the case of black soldier fly larvae on chicken feed | u tritive Value; Chair: Dr. S Giacomo Rossi | ebastian Berthold Leibniz Institute for Agricultural Engineering and Bioeconomy, Germany |
| 09:55 10:15 | Small-scale estimation of greenhouse gas emission from insects: the case of black | | Leibniz Institute for Agricultural |

10:55

Coffee Break and Poster Exhibition

11:00 Warning Day (Warntag)

(Your Mobile Phone will receive Test Warning Message – To be Conducted by Federal Ministry of the Interior and the Federal Office of Civil Protection and Disaster Assistance)









| 11:25 | WGS sequencing reveals Genomic diversity in Hermetia illucens | Ben Gradus, PHD/MBA | NRGene, Israel |
|------------------------------------|--|---|---|
| | 11:45 W | arning Day (Warntag) | |
| | obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista | | Federal Ministry of the Interior and the |
| .1:50 | What are we missing in our genomes? Revealing the Hidden Variation in Black Soldier Fly Genomes | Christine J Picard, PhD | Department of Biology, Indiana Universit Purdue University Indianapolis (IUPUI), Indianapolis, IN USA |
| .2:10 | Improving black soldier fly genetics by crispr\cas9 gene editing | Dr. Idan Alyagor | FreezeM Cryogenics LTD, Israel |
| | Session 18: Room - Grasshopper: SPEC | CIAL: ValuSect Session 2; (| Chair: Dr. Sabine Van Miert |
| 11:25 | Meeting the insect industry's demands: highlights from a voucher scheme | Carl Coudron | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
| | | | |
| | 11:45 W | arning Day (Warntag) | |
| | 11:45 W obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista | age – To be Conducted by | Federal Ministry of the Interior and th |
| | obile Phone will receive Test Warning Messa | age – To be Conducted by | Federal Ministry of the Interior and th Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
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| ederal | obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista Ammonia emissions of <i>Hermetia illucens</i> larvae grown on different diets | age – To be Conducted by ance) Siebe Berrens Dr. Geert Verheyen | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
| Federal | obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista Ammonia emissions of <i>Hermetia illucens</i> larvae grown on different diets Implementing mealworm oil in cosmetics | age – To be Conducted by ance) Siebe Berrens Dr. Geert Verheyen | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Thomas More University of Applied Sciences, RADIUS, Geel, Belgium |
| F ederal 11:50 12:10 | obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista Ammonia emissions of <i>Hermetia illucens</i> larvae grown on different diets Implementing mealworm oil in cosmetics Session 19: Room - Cricket: F Evaluation of poultry bloodmeal as a constituent of housefly larvae feed | age – To be Conducted by ance) Siebe Berrens Dr. Geert Verheyen | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Lenka Kourimska University of Groningen, Groningen, The |
| Federal 11:50 12:10 11:25 | obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista Ammonia emissions of <i>Hermetia illucens</i> larvae grown on different diets Implementing mealworm oil in cosmetics Session 19: Room - Cricket: F Evaluation of poultry bloodmeal as a constituent of housefly larvae feed | age – To be Conducted by ance) Siebe Berrens Dr. Geert Verheyen Good & Feed; Chair: Prof. Esther Kangah Garning Day (Warntag) age – To be Conducted by | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Lenka Kourimska University of Groningen, Groningen, The Netherlands |
| ederal 11:50 12:10 11:25 | obile Phone will receive Test Warning Messa Office of Civil Protection and Disaster Assista Ammonia emissions of <i>Hermetia illucens</i> larvae grown on different diets Implementing mealworm oil in cosmetics Session 19: Room - Cricket: F Evaluation of poultry bloodmeal as a constituent of housefly larvae feed 11:45 W obile Phone will receive Test Warning Messa | age – To be Conducted by ance) Siebe Berrens Dr. Geert Verheyen Good & Feed; Chair: Prof. Esther Kangah Garning Day (Warntag) age – To be Conducted by | Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Thomas More University of Applied Sciences, RADIUS, Geel, Belgium Lenka Kourimska University of Groningen, Groningen, The Netherlands |









| 12:30 | Poster Exhibition/ Fingerfood Imbiss | | |
|---------|--|---------------------------------------|--|
| Session | n 20: Room - Black Soldier Fly: Special Appli | cation, Contamination, Ins | ecticides; Chair: Prof. Dr. Laura Gasco |
| 13:30 | Live black soldier fly larvae improve growth performance and feed efficiency in broiler chicken rearing | Nathalie Stöhr | University of Applied Sciences Bingen, Germany |
| 13:50 | Rare earth elements bioaccumulation in Hermetia illucens | dr inż. Piotr Bulak, PhD | Institute of Agrophysics, Polish Academy of Sciences, Poland |
| 14:10 | Insecticidal potential of chitin-enhanced black soldier fly frass fertilizer extracts against onion fly (<i>Atherigona orientalis</i> Schiner) | Lawrence Ouma Onyango | International Centre of Insect Physiology and Ecology, Nairobi, Kenya |
| Sess | ion 21: Room - Grasshopper: Miscellaneou | s: Contamination, Insectici | des etc.; Chair: Chandra Dev Borah |
| 13:30 | Insects as feed: antibacterial and prebiotic potential and in-depth characterization of <i>Hermetia illucens</i> L. larvae and of their isolated protein, lipid, and chitin fractions | Maria Giulia Bonomini | University of Parma, Department of Food and Drug, Parma, Italy |
| 13:50 | Using insect-composted organic fertilizer to increase yield and economic returns of bush beans (<i>Phaseolus vulgaris</i>) | Agnes Chepkorir | International Centre of Insect Physiology and Ecology (<i>icipe</i>), Nairobi, Kenya |
| 14:10 | Bridging the gap between R&D and commercial Black Soldier Fly farming | Vincent Reda | BETTER INSECT SOLUTIONS, Denmark |
| | Session 22: Room - Cricket: Specia | al <i>icipe</i> Session; Chair: Dr. K | atharina Haupenthal |
| 13:30 | Insect Farming Innovations: Lessons from Africa | Dr. Chrysantus Mbi Tanga | International Centre of Insect Physiology and Ecology (<i>icipe</i>), Nairobi, Kenya |
| 13:50 | Socioeconomic and ecological impact of insect farming in sub-Saharan Africa | Dr. Menale Kassie | International Centre of Insect Physiology and Ecology (<i>icipe</i>), Nairobi, Kenya |
| 14:10 | Efficiency of garden fruit chafers to recycle animal manure: Implications on fertilizer quality, pathogen suppression and crop yield | Dr. Dennis Beesigamukama | International Centre of Insect Physiology and Ecology (<i>icipe</i>), Nairobi, Kenya |









| | Conclusion Speech & P | rize Distribution: Room - Bla | nck Soldier Fly |
|-------|--|---|--|
| 14:40 | VDI Best Young Scientists Presentation Award & Public Interaction | Dr. Franziska Kersten | Member of the Bundestag (Social Democratic Party (SPD)) |
| 15:10 | PPM Best Poster Award | Dr. Thomas Piofczyk & Dr. Sara Hadjiali | Pilot Pflanzenöltechnologie Magdeburg e. V. (PPM), Germany |
| 15:20 | Invitation to INSECTA 2024 | DrIng. Oliver Schlüter | Leibniz-Institut für Agrartechnik und Bioökonomie e.V. (ATB), Germany |
| 15:25 | Group | Photo (Please gather at the Ven | ue Entry) |
| 15:30 | End of Conference | | |







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POSTER PRESENTATION

| POSTER PRESENTATIONS | |
|----------------------|---|
| POSTER NUMBER | POSTER TITLE |
| INS_POSTER_1 | Incorporation of whole silkworm (Bombyx mori L. 1758) pupae meal in rabbit feed: |
| | effects on growth and meat fatty acid profile quality |
| INS_POSTER_2 | Safety and quality of farmed insects |
| INS_POSTER_4 | Mealworm chitin as adsorbent in the removal of reactive dyes from aqueous solutions. |
| INS_POSTER_5 | Attitude of owners and animals treated in veterinary clinics to mealworm-based pet |
| | food |
| INS_POSTER_6 | CIPROMED: Alternative proteins exploitation in the Mediterranean food and feed chains |
| INS_POSTER_7 | Management models to promote sustainability and resilience of agricultural production |
| | systems – The AGRITECH project |
| INS_POSTER_8 | Individual reproduction performance as an efficient method of testing larval treatments |
| | on reproduction in adult stage |
| INS_POSTER_9 | Microbiological quality of edible insect products |
| INS_POSTER_10 | Effect of larval weight on quantity and quality of Mealworm protein isolates |
| INS_POSTER_11 | Enzymatic conversion of Black Soldier Fly Larvae Oil to diols for the preparation of |
| | biogenic polyurethane foams |
| INS_POSTER_12 | Simultaneous Determination of Chitin and amino acids by Ion-exchange-chromatography |
| INS_POSTER_13 | Insect-based bioconversion of agricultural by-products into sus-tainable food |
| INS_POSTER_14 | The bioaccumulation of rare earth elements in Tenebrio molitor |
| INS_POSTER_15 | Performance of selectively bred Black Soldier Fly larvae in a production facility. |
| INS_POSTER_16 | The newRIFF project: new life for RIce by-products and agricultural wastes: insects |
| | bioconversion for Fish Feed production |
| INS_POSTER_17 | Influence of different substrates based on by-products of food processing on the |
| | performance of black soldier fly larvae |
| INS_POSTER_18 | Novel approaches to age determination of Hermetia illucens adult flies (Diptera: |
| | Stratiomyidae) |
| INS_POSTER_19 | Optimization of black soldier fly larvae (BSFL) feed conversion on industrial high-fiber |
| | side streams |
| INS_POSTER_20 | Rearing black soldier fly larvae (BSFL) on industrial side-streams/by-products gaining |
| | valued frass as fertilizer |
| INS_POSTER_21 | PauseM-Direct - Nursery in a package |
| INS_POSTER_22 | Assessing the taxonomic and functional diversity of the Black Soldier Fly microbiome |
| INS_POSTER_23 | EFFECT OF ADDITIVES TO BLANCHING WATER OF MEALWORMS |
| INS_POSTER_24 | Environmental Impacts of <i>Hermetia illucens</i> Protein Production: A Life Cycle Assessment |
| | and Comparative Analysis |









| INS_POSTER_25 | Novel biomolecules from native myrmicine ants exploited for new applications |
|---------------|---|
| INS_POSTER_26 | Self-selection feed design for crickets (Gryllus Bimaculatus) at different growth stages |
| | using food waste |
| INS_POSTER_27 | The potential of monitoring system for Gryllus Bimaculatus based on loadcells and |
| | computer vision |
| INS_POSTER_28 | Nutritional quality of Tenebrio molitor proteins obtained by Osborne fractionation |
| INS_POSTER_29 | The use of waste polystyrene as feed for mealworms (Tenebrio molitor) |
| INS_POSTER_30 | Optimal balance between protein and carbohydrate in industrial diet for black soldier fly |
| | larvae (Hermetia illucens). |
| INS_POSTER_35 | Black soldier fly larvae production performances are optimized by the supplementation |
| | of a multi-carbohydrase |
| INS_POSTER_36 | Black soldier fly larvae production performances are optimized by the supplementation |
| | of HMTBa |
| INS_POSTER_37 | Preliminary data on investigation of feeding rates for black soldier fly larvae raised on |
| | waste substrate: case study with food industry waste from Czechia and Italy. |
| INS_POSTER_38 | The effect of temperature on the nutritional quality and growth parameters of yellow |
| | mealworm larvae (<i>Tenebrio molitor</i> L.) |
| INS_POSTER_39 | The Utilization of Black Soldier Larvae and Yellow Mealworms for The Conversion of |
| | Organic-Airport-Waste into Fertilizer/Nutrients/Energy |
| INS_POSTER_40 | "Quality check" - Method for the conservation and storability of live larvae of the black |
| | soldier fly (BSFL) |
| INS_POSTER_41 | Regional and seasonal side streams for sustainable mealworm production in the context |
| | of the Republic of Kosovo |
| INS_POSTER_42 | Tannic Acid as a Feed Additive: Enhance Grasshopper Resilience and Survivability |
| INS_POSTER_43 | YOUR SOLUTION PARTNER FOR INSECT PROTEINS |
| INS_POSTER_44 | Utilization of house cricket frass for bioethanol production |
| | |







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New! Beetle inlay tray for egg production



After the introduction of several insect breeding trays for mealworm and Black Soldier Fly production, we can now announce our beetle inlay tray.

The Beetle inlay tray for growing mealworms was developed in partnership with our customers, enabling them to separate the mealworm beetles from their eggs. The mealworm beetles use their ovipositor to lay the eggs in the food on the bottom of the insect boxes.

The mesh ensures that the mealworm beetles remain separated from the eggs and prevents them being eaten. Besides labor saving, egg yield is considerably higher. Available for both the low breeding box type 6206 and the high BSF breeding box 6207.

Visit our new insect website!

Beekenkamp Verpakkingen B.V. launched a new website especially for our insect breeding products.

Visit our website and get a customized quote without obligation for your insect breeding solutions today!

WWW.BEEKENKAMP-INSECT.NL



Beekenkamp Verpakkingen B.V. Korte Kruisweg 157 2676 BS Maasdijk +31 (0) 174 52 61 00 // sales@beekenkamp.nl









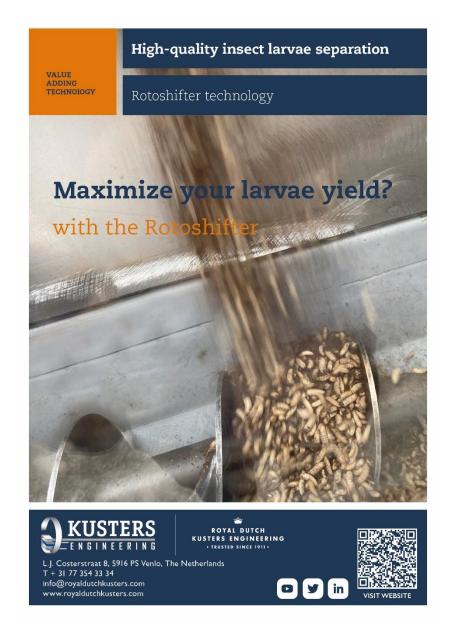


















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Wet & Dry Processing Solutions for Your Production



NETZSCH Agitator Bead Mill MasterRefiner

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- Narrow grain spectrum down to the sub-micron area
- Flexible work with short preparation times
- Easy handling

NETZSCH Impact Mill CONDUX® COMPACT

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- Compact, user friendly design
- Low feeding height and easy access
- ATEX conform
- Fast and easy cleaning



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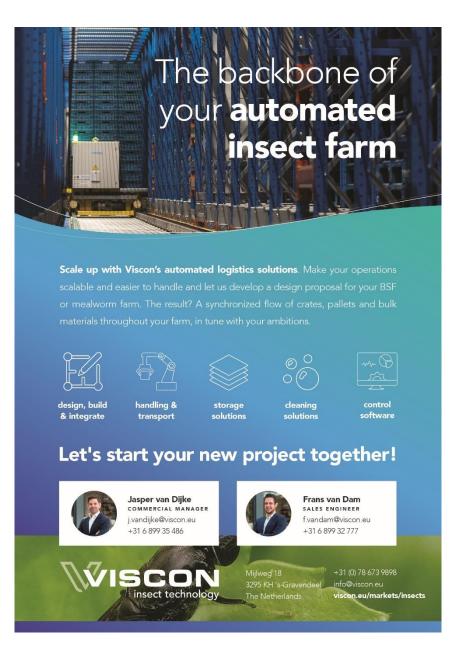


















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Are you creating the future of pet food and animal feed? Whether it is plantbased or insect protein, we can scale production with you. Tested and validated in our pilot plant. A tailored solution that combines your requirements with our own expertise in engineering and delivering dozens of pet

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COOPERATION TO ACCELERATE THE INSECT INDUSTRY



















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≤ntocycle Machine-vision technology and in-line

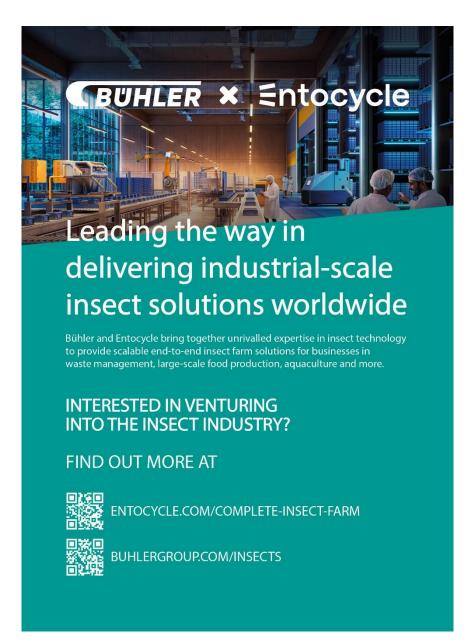
automation to accurately dose black soldier fly neonates.

















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End of Program & Sponsoring Partners' List





