



12th International Symposium on Fruit Flies of Economic Importance

PROGRAM

AGADIR, MOROCCO
10 / 15 MAY 2026

Monday 11th May

08:00 - 09:00 HOURS

Registration and Poster Display (SESSIONS 1-5)

09:00 - 09:50 HOURS

Opening Ceremony

- Welcome remarks by local Authorities.
- Welcome remarks by **Dr Farid Lekjaa**, CHA Director.
- Welcome remarks by the IAEA DDG, Department of Nuclear Sciences and Applications, **Ms Najat Mokhtar**.
- Opening remarks of the program: the International Fruit Fly Steering Committee (IFFSC) chair, **Mr. Rui Pereira**, and the Local Organising Committee (LOC) chair, **Mr. Ahmed Mazih**.

09:50 - 10:00 HOURS

Group Photo

10:00 - 10:30 HOURS

COFFEE BREAK AND POSTER VIEW SESSIONS 1 & 2

10:30 - 11:30 HOURS

Opening Keynote

Managing Locusts in a Changing Climate.
Shaki Al-Dobai.

11:30 - 13:30 HOURS

SESSION 1 Biology, Ecology, Physiology and Behaviour

Moderators: **Nicholas Manoukis**, **Abdelaziz Zahidi**.

11:30 - 11:50 HOURS

Evidence for a reproductive arrest in *Bactrocera tryoni*.
Anthony R. Clarke.

11:50 - 12:10 HOURS

Ecological niche modelling of the melon fly (*Zeugodacus cucurbitae*) to assess its potential establishment in Southeast Africa.
Luis Bota.

12:10 - 12:30 HOURS

Interspecific larval competition and invasiveness: conditions mediating the interactions between *Bactrocera zonata* and *Ceratitis capitata* in fruit.
Hélène Delatte.

12:30 - 12:50 HOURS

Geographic variation and acclimation capacity shape thermal tolerances of the Mexican fruit fly, *Anastrepha ludens*.
Liqiong Zhang.

12:50 - 13:10 HOURS

Effects of larval nutrition on chill-coma recovery in *Anastrepha fraterculus* adults.
Fátima Fernández.

13:10 - 13:30 HOURS

Divergent cold tolerance and plasticity in Tephritid fruit flies: A comparative approach.
Vasilis G. Rodovitis.

13:30 - 15:00 HOURS

LUNCH

15:00 - 17:00 HOURS

SESSION 2

Taxonomy and Morphology

Moderators: **Teresa Vera**, **Rachid El Aini**.

15:00 - 15:20 HOURS

Biodiversity of fruit flies (Diptera: Tephritidae) in Morocco and their host plant associations.

Younes El Harym.

15:20 - 15:40 HOURS

Comparative transcriptomic analyses provide insights into the ecological driving force behind odorant receptor evolution in Tephritidae.

Emmanuelle Jacquin-Joly.

15:40 - 16:00 HOURS

Thermal plasticity is regulated by a key microRNA during range expansion of *Bactrocera dorsalis* in China.

Zhihong Li.

16:00 - 16:20 HOURS

Bactrocera oleae gut microbiome as a resource to improve insect mass-rearing.

Aya Elsayed.

16:20 - 16:40 HOURS

Attraction of *Anastrepha ludens* to volatile compounds emitted by five mango cultivars.

Pablo Liedo.

16:40 - 17:00 HOURS

Mass-rearing, quality control, and sterilization of *Drosophila suzukii* in the Santa Rosa biopant (ISCAMEN).

Erica Gomez Barrionuevo.

17:00 - 17:30 HOURS

COFFEE BREAK AND POSTER VIEW SESSIONS 1 & 2

17:30 - 18:30 HOURS

DISCUSSION POSTERS SESSION 1 AND 2

Tuesday 12th May

09:00 - 11:05 HOURS

SESSION 3

Genetics and Biotechnology

Moderators: **Zhihong Li**, **Amal Ait Hida**.

09:00 - 09:05 HOURS

In memory of Alan Robinson.

Chronis Rempoulakis.

09:05 - 09:25 HOURS

Integrative genomic and ecological insights into invasion history, climate-driven adaptation, and future biosecurity risk of the destructive fruit fly *Bactrocera correcta*.

Weisong Li.

09:25 - 09:45 HOURS

CRISPR/Cas9-based white pupae mutant lines in *Bactrocera dorsalis*, *Bactrocera zonata* and *Zeugodacus tau* for sterile insect technique applications.

Chrysanthi Ioannidou.

09:45 - 10:05 HOURS

Engineering and expression of Y-linked genetic markers in *Ceratitis capitata*.

Cristina Borghesi.

10:05 - 10:25 HOURS

Telomere-to-telomere genome datasets for pests as a foundation for future pest management: A case study on *Bactrocera dorsalis*.

Wei Liu.

10:25 - 10:45 HOURS

Engineering an early development sex separation toolkit for Mexfly, *Anastrepha ludens*.

Georgia Gouvi.

10:45 - 11:05 HOURS

Conditional sexing systems for SIT based on synthetic biology approaches.

Kaatje Knüwer.

11:05 - 11:30 HOURS

COFFEE BREAK AND POSTER VIEW SESSIONS 3, 4 & 5

11:30 - 13:30 HOURS

SESSION 4

Chemical Ecology and Attractants

Moderators: **Nikos Kouloussis**, **Abdeljelil Bakri**.

11:30 - 11:50 HOURS

Optimal location and distribution of hydrolysed protein in a tree canopy for control of *Ceratitis capitata*, *Ceratitis cosyra* and *Bactrocera dorsalis* (Diptera: Tephritidae).

Christopher Weldon.

11:50 - 12:10 HOURS

Conservation of male attractant detection across Tephritidae.

Vincent Jacob.

12:10 - 12:30 HOURS

Mating competitiveness and compatibility of genetically engineered strains of Queensland fruit fly for sterile insect technique.

Md Forhad Hossain.

12:30 - 12:50 HOURS

Cuticular hydrocarbon communication in *Bactrocera*: a novel tool for enhanced pest control strategies.

Antonio Pompeiano.

12:50 - 13:10 HOURS

Performance of different homemade traps using the organic food bait Mango Protect against fruit flies in Burkina Faso.

Karim Nébié.

13:10 - 13:30 HOURS

Improving male annihilation technique against cue lure responders: a field test with individual-based tracking.

Nicholas C. Manoukis.

FRUIT FLY SOLUTIONS

Russell IPM has developed monitoring and control solutions for fruit flies, including the Medfly, Peach Fruit Fly, Oriental Fruit Fly, Cucurbit Fruit Fly, Spotted Wing Drosophila, and other fruit flies of economic importance. For more information, please contact Russell IPM Maroc team.



maxlure

MaxLure SWD Liquid is a highly attractive, female-biased lure designed for effective monitoring of Spotted Wing Drosophila suzukii



Biodelear is an innovative attractant for the management of various female Tephritidae fruit fly species



Zonatrac

Zonatrac is a long lasting male lure to monitor and control *Bactocera zonata* and *Bactocera dorsalis*



Ceranock

Ceranock is an innovative lure-and-kill bait station designed for the control of female fruit fly species.



MADE IN BRITAIN

SCAN ME



13:30 - 15:00 HOURS

LUNCH

15:00 - 15:30 HOURS

International Day of Plant Health

Moderator: *Rui Pereira.*

15:00 - 15:10 HOURS

International Plant Protection Convention Video.

15:10 - 15:20 HOURS

Remarks by FAO.
Shoki Al-Dobai.

15:20 - 15:30 HOURS

Remarks by National Office for Food Safety (ONSSA).
Hicham Saoud.

15:30 - 17:30 HOURS

SESSION 5

Risk Assessment, Quarantine and Post-harvest

Moderators: *Janisete Gomes da Silva, Anas El Amrani.*

15:30 - 15:50 HOURS

The Oriental fruit fly (Diptera: Tephritidae) at its southern adventive range limit: ecology and development of control options.

Aruna Manrakhan.

15:50 - 16:10 HOURS

Rapid origin assignment of *Bactrocera dorsalis* using nuclear SNPS or COI barcodes.

Wannes Dermauw.

16:10 - 16:30 HOURS

Sperm in traps: assessment of female mating status to increase monitoring efficiency.

Diana Pérez-Staples.

16:30 - 16:50 HOURS

Genetic-ecological integration for adaptive potential assessment: Case studies of two invasive *Bactrocera* species.

Yujia Qin.

16:50 - 17:10 HOURS

Modelling-Informed Decision-Marketing in Guatemala's Medfly Program.

Estuardo Lira.

17:10 - 17:30 HOURS

The Technical Panel on Phytosanitary Treatments (TPPT) and the potential for new harmonized post-harvest treatments targeting fruit fly species.

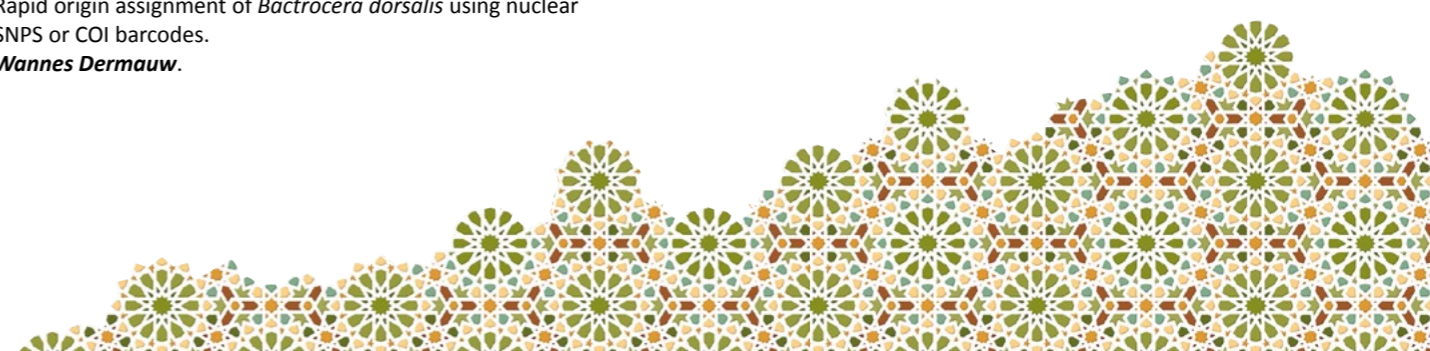
Vanessa Simões Dias.

17:30 - 18:00 HOURS

COFFEE BREAK AND POSTER VIEW
SESSIONS 3, 4 & 5

18:00 - 19:00 HOURS

DISCUSSION POSTERS
SESSION 3, 4 AND 5





Wednesday 13th May

TECHNICAL AND FIELD VISITS

08:30 - 19:00 HOURS

ROUTE 1

Medfly Mass-rearing facilities - Argan forest - Citrus orchards and fruit packing - Taroudant City

08:00 - 18:00 HOURS

ROUTE 2

Medfly Mass-rearing facilities - Argan forest - Red fruit greenhouses, Citrus orchards and packing stations - Tiznit City

Thursday 14th May

08:00 - 09:00 HOURS

POSTER DISPLAY (SESSIONS 6 – 10)

09:00 - 11:00 HOURS

SESSION 6

Sterile Insect Technique

Moderators: **Corey Bazelet, Amine Leghid.**

09:00 - 09:20 HOURS

The sterile insect technique: from conceptualization to global deployment.
Rui Pereira.

09:20 - 09:40 HOURS

Metabolic Insights into male quality for the sterile insect technique.
Francesca Scolari.

09:40 - 10:00 HOURS

Novel female attractant for economically important fruit fly species – multi-species and multi-location evaluation.
Nayem Hassan.

10:00 - 10:20 HOURS

Improve *Drosophila suzukii* Male Sorting Efficacy for the Sterile Insect Technique using AI in a real-case of only sterile male releases.
Gerardo de la Vega.

10:20 - 10:40 HOURS

Evaluating the effectiveness of the sterile insect technique using a state-space model of trap catch dynamics.
Atsushi Honma.

10:40 - 11:00 HOURS

Establishment and Functioning of a Sterile Medfly Unit in Morocco.
Siham Boujdig.

11:0 - 11:30 HOURS

COFFEE BREAK AND POSTER VIEW
SESSIONS 6, 7 AND 8

11:30 - 13:30 HOURS

SESSION 7

Natural Enemies and Biological Control

Moderators: **Aruna Manrakhn, Ahmed Mazih.**

11:30 - 11:50 HOURS

Males regurgitate triggers sexual attraction and reproductive maturation in *Anastrepha fraterculus* (Diptera: Tephritidae).
Diego Segura.

11:50 - 12:10 HOURS

Environmental and Temporal Effects on the Release of Parasitized Pupae of *Doryctobracon areolatus* (Hymenoptera: Braconidae).
Lorena Quintero-Rodriguez.

12:10 - 12:30 HOURS

Optimisation of Laboratory Rearing of *Diachasmimorpha longicaudata* (Hymenoptera: Braconidae) for Augmentative Biological Control of *Ceratitis capitata* (Diptera, Tephritidae).
Elaini Rachid.

12:30 - 12:50 HOURS

Identification of fruit fly pupae parasitized by *Doryctobracon areolatus* (Hymenoptera: Braconidae) using radiographic images.
Thiago Mastrangelo.

12:50 - 13:10 HOURS

Optimization of the rearing and release of *Psytalia lounsburyi* (Hymenoptera - Braconidae), a larval parasitoid of *Ceratitis capitata* infesting Citrus in Souss-Massa region.
Zahidi Abdelaziz.

13:10 - 13:30 HOURS

Field release of *Diachasmimorpha longicaudata* using pupa-based devices as an alternative to conventional release systems.
Amanda Ayala.

13:30 - 15:00 HOURS

LUNCH

15:00 - 17:00 HOURS

SESSION 8

Other Control Methods or New Developments

Moderators: **Diana Perez-Staples, Lahcen Abaha.**

15:00 - 15:20 HOURS


Operational integration of unmanned aerial vehicles (UAV's) for Mediterranean fruit fly (*Ceratitis capitata* Wied) control in Guatemala's Moscamed Program.
David Dominguez.

15:20 - 15:40 HOURS

Field dispersal and recapture patterns of the Mediterranean fruit fly: Roles of thermal acclimation and environment.
Eleftheria-Maria Bali.

15:40 - 16:00 HOURS

Citrus fruits produce direct defence responses against oviposition by *Bactrocera minax* (Diptera: Tephritidae).
Changying Niu.



16:00 - 16:20 HOURS

A technically and economically feasible approach to the aerial and ground release of sterile insects for new control projects.
Roberto Angulo-Kladt.

16:20 - 16:40 HOURS

Aromatherapy effects in pre-release SIT in *Ceratitis capitata*: comparative transcriptomics of wild and Vienna 8 males.
Brenda Torres-Huerta.

16:40 - 17:00 HOURS

A semiochemical-based technologies for no-gap management of fruit fly pests.
Agenor Mafra-Neto.

19:30 - 22:30 HOURS

SOCIAL EVENT CONFERENCE DINNER

La Medina d'Agadir (Hay Aghroud, Bensergao - Agadir)

Friday 15th May

09:00 - 11:00 HOURS

SESSION 9
Area-wide IPM and Action Programs
Moderators: **Pablo Liedo, Mohamed Nafide.**

09:00 - 09:20 HOURS

Advancing Area-Wide IPM for Mediterranean fruit fly: lessons in Guatemala.
Luis Avila.

09:20 - 09:40 HOURS

Operational and economic validation of real-time IOT-based monitoring systems for zero-tolerance compliance against *Ceratitis capitata* in Moroccan citrus orchards.
Saïd Aminzou.

09:40 - 10:00 HOURS

Field evaluation of a sterile insect technique program against *Ceratitis capitata* in Türkiye.
Ümran Akkan Demirer.

10:00 - 10:20 HOURS

Improving fruit fly program efficiency with science-based analysis.
Corinna S. Bazelet.

10:20 - 10:40 HOURS

Innovative strategies in *Ceratitis capitata* control: the Moroccan sterile insect technique program.
Rayhana Adnasse.

10:40 - 11:00 HOURS

Mobile modular packing centers for multi-species sterile insect technique programs: Operational flexibility, cost optimization, and quality assurance.
Jose Luis Zavala.

11:00 - 11:30 HOURS

COFFEE BREAK AND POSTER VIEW
SESSIONS 9 & 10

11:30 - 13:35 HOURS

SESSION 10
Social, Economic and Policy Issues of Action Programs
Moderators: **Atsushi Honma, Hassan Zouhry.**

11:30 - 11:35 HOURS

In memory of John Mumford.
Megan Quinlan.

11:35 - 11:55 HOURS

Reuse of spent larval diet to improve the economic and environmental sustainability of SIT programs.
Beatriz Turinetti.

11:55 - 12:15 HOURS

Navigating the policy dimensions of Sterile Insect Technique application in Europe: Insights from the REACT Project.
Thomas Stollenwerk.

12:15 - 12:35 HOURS

Meta-analysis in ecological impacts of *Bactrocera dorsalis* and *Bactrocera zonata* (Diptera: Tephritidae) invasion on resident tephritid communities.
Abir Hafsi.

12:35 - 12:55 HOURS

Unravelling environmental drivers of insect pest dynamics across multiple landscapes.
Karine Berthier.

12:55 - 13:15 HOURS

The role of nearby backyard fruit gardens on medfly development.
Marco Colacci.

13:15 - 13:35 HOURS

Host use and phylogeny of African *Dacus* (Diptera: Tephritidae) inferred from genome-scale data.
Lore Esseleens.

13:35 - 15:00 HOURS

LUNCH

15:00 - 16:00 HOURS

DISCUSSION POSTERS
SESSIONS 6, 7 AND 8

16:00 - 17:00 HOURS

DISCUSSION POSTERS
SESSIONS 9 AND 10

17:00 - 17:15 HOURS

Announcements of future meetings
Fourth FAO/IAEA International Conference on Area-Wide Management of Insect Pests, 2027
International Congress of Entomology (ICE), 2028
Announcement of the publication of the 11th ISFFEI 2022 proceedings: Fruit Flies Of Economic Importance XI
Regional fruit fly meetings (TEAM, TAAO, TWWH), 2028
13th ISFFEI venue.

17:15 - 17:30 HOURS

CLOSING CEREMONY
Rui Pereira, Ahmed Mazih



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POSTER SESSIONS

Monday 11th May

SESSION I.	TITLE & AUTHOR	POSTER ID
Biology, Ecology, Physiology and Behavior	Gut microbiota are involved in adaptation of the invasive tephritid species <i>Bactrocera dorsalis</i> to temperature and diet stressors. Hafsi, A.	12ISFFEI-a860
Biology, Ecology, Physiology and Behavior	Effect of photoperiod on thermal tolerance of <i>Ceratitis capitata</i> (Diptera: Tephritidae). Papadopoulos, A.	12ISFFEI-1b25
Biology, Ecology, Physiology and Behavior	Patterned wings of <i>ceratitis cosyra</i> do not deter predation by <i>Thyene Natali</i> . Weldon, C.	12ISFFEI-j23a
Biology, Ecology, Physiology and Behavior	Plant-derived sterol promotes superior <i>Bactrocera dorsalis</i> immature development over cholesterol in a holidic diet. Weldon, C.	12ISFFEI-6d5c
Biology, Ecology, Physiology and Behavior	Monitoring of Spotted Wing <i>Drosophila</i> in blackberry crops in southern Romania. Chireceanu, C.	12ISFFEI-d2a7
Biology, Ecology, Physiology and Behavior	Host plant and geographic effects on wing shape variation in <i>Drosophila suzukii</i> from Serbia. Lemic, D.	12ISFFEI-3170
Biology, Ecology, Physiology and Behavior	Pest fruit fly (Diptera: Tephritidae) population fluctuations in a mixed production landscape in North West province, South Africa. Pullock, D.	12ISFFEI-78bb
Biology, Ecology, Physiology and Behavior	Effect of larval diet on adult longevity under starvation, desiccation, and non-stressful conditions in <i>Anastrepha fraterculus</i> . Fernández, F.	12ISFFEI-6dad
Biology, Ecology, Physiology and Behavior	Redefining the ecological niches and climatic drivers of <i>ceratitis rosa</i> and <i>ceratitis quilicii</i> (diptera: tephritidae) using ensemble machine learning. Tairo, J.	12ISFFEI-45c0

Biology, Ecology, Physiology and Behavior	Effect of fruit compounds on the sexual competitiveness of sterile <i>Anastrepha ludens</i> males. Caravantes, L.	12ISFFEI-k15h
Biology, Ecology, Physiology and Behavior	Effect of experience on oviposition preference in females of <i>anastrepha fraterculus</i> (diptera: tephritidae). Garbalena, M.	12ISFFEI-71b0
Biology, Ecology, Physiology and Behavior	Water deprivation resistance influenced by age, sex, and diet in <i>Bactrocera oleae</i> . Kouloussis, N.	12ISFFEI-g00u
Biology, Ecology, Physiology and Behavior	Food or water deprivation induces distinct changes in the Locomotor Activity of <i>Bactrocera oleae</i> . Kouloussis, N.	12ISFFEI-a01f
Biology, Ecology, Physiology and Behavior	Spotted wing drosophila <i>Drosophila suzukii</i> in Romanian vineyards. Andrei, T.	12ISFFEI-0c03
Biology, Ecology, Physiology and Behavior	Effect of yeast hydrolysed proportion in the adult diet to the body weight of sterilized males of <i>B. dorsalis</i> and <i>B. correcta</i> (Diptera: Tephritidae). Ha, T.	12ISFFEI-c139
Biology, Ecology, Physiology and Behavior	Avoiding competition before it begins: fruit choice mediated by prior interspecific infestation in three fly pests. Viana, V.	12ISFFEI-f426
Biology, Ecology, Physiology and Behavior	Developmental plasticity during the pupal stage modulates adult cold tolerance of the invasive tephritids <i>Bactrocera dorsalis</i> and <i>Bactrocera zonata</i> ? Rodovitis, V.	12ISFFEI-1bb7
Biology, Ecology, Physiology and Behavior	Long term Seasonal variations in the populations of major fruit fly species of mango and the possibility of displacement of the indigenous species by the invasive <i>Bactrocera dorsalis</i> . Umeh, V.	12ISFFEI-3268
Biology, Ecology, Physiology and Behavior	Males regurgitate triggers sexual attraction and reproductive maturation in <i>Anastrepha fraterculus</i> (Diptera: Tephritidae). Garbalena, M.	12ISFFEI-681a
Biology, Ecology, Physiology and Behavior	Comparative transcriptomic analyses provide insights into the ecological driving force behind odorant receptor evolution in Tephritidae. Jacquin-Joly, E.	12ISFFEI-64a5
Biology, Ecology, Physiology and Behavior	Gene Flow and Abundance of a Tropical Fruit Fly in a Horticultural Landscape Mosaic in Eastern Australia Is Limited by Cleared Grazing Land and Area-Wide Management. Ryan, J.	12ISFFEI-ea0a

Biology, Ecology, Physiology and Behavior	Spatio-temporal genetic variation in a local population provides insights into off-season dynamics of a crop pest. Chapuis, M.	12ISFFEI-1932
Biology, Ecology, Physiology and Behavior	Overwintering Capacity of the Medfly in the Dalmatia Region of Croatia. Bjeliš, M.	12ISFFEI-f76e
Biology, Ecology, Physiology and Behavior	Crop regurgitation mitigates the lethal effects of spinosad in <i>Anastrepha fraterculus</i> (Diptera: Tephritidae). Garbalena, M.	12ISFFEI-f25e
Biology, Ecology, Physiology and Behavior	Thermal requirements and phenology modelling of <i>Drosophila suzukii</i> : implications for pest risk under changing climates. Ndlela, S.	12ISFFEI-d8fb
Biology, Ecology, Physiology and Behavior	Life-stage Solanum, durations and larval density of solanum fruit fly infesting Akabare chili in Nepal. Upadhyay, S.	12ISFFEI-cd69
Biology, Ecology, Physiology and Behavior	Seasonal abundance of melon fly <i>Zeugodacus cucurbitae</i> (Coquillett) in relation to abiotic factors and host fruits in Western Burkina Faso. Issaka, Z.	12ISFFEI-i99f
Biology, Ecology, Physiology and Behavior	Spatio-temporal genetic variation in a local population provides insights into off-season dynamics of a crop pest. Chapuis, M-P	12ISFFEI-1932

SESSION 2.	TITLE & AUTHOR	POSTER ID
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Taxonomy and Morphology	First detection, identification and eradication of oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae), in Zf Mgcawu and Pixley Ka Seme district municipalities, in northern Cape Province, South Africa. Munganga, E.	12ISFFEI-d489
Taxonomy and Morphology	Diversity of Tephritidae (Diptera) in different natural habitats in different climatic regions of Madagascar. Delatte, H.	12ISFFEI-eb02
Taxonomy and Morphology	The thistle flies of the genus <i>chaetostomella</i> (diptera: tephritidae: terelliini) from morocco, with a reference to European and Asian fauna. El Harym, Y.	12ISFFEI-b75y

Taxonomy and Morphology	Potential to use wing shape variation as a novel approach to discriminate <i>Zeugodacus cucurbitae</i> , <i>Z. caudatus</i> , and <i>Z. tau</i> fruit flies (Tephritidae). Dammika, C.	12ISFFEI-ch12
Taxonomy and Morphology	Host use and <i>phylogeny</i> of African <i>Dacus</i> (Diptera: Tephritidae) inferred from genome-scale data. Esselens, L.	12ISFFEI-819b
Taxonomy and Morphology	Progress toward developing ReMOT Control gene editing applications for the fruit flies <i>Ceratitis capitata</i> and <i>Bactrocera dorsalis</i> . Malacrida, A.	12ISFFEI-79fb

Tuesday 12th May

SESSION 3.	TITLE & AUTHOR	POSTER ID
Genetics and Biotechnology	Omics-based exploration of symbionts associated with <i>anastrepha fraterculus</i> . Conte, C.	12ISFFEI-5ea0
Genetics and Biotechnology	OBP genes expression in wild <i>Anastrepha ludens</i> females exposed to <i>Citrus aurantium</i> and <i>Mangifera indica</i> L. cv Ataulfo. Orozco, D.	12ISFFEI-b7ea
Genetics and Biotechnology	Gut microbiota of <i>Drosophila suzukii</i> isolated from different hosts. Orozco, D.	12ISFFEI-1df5
Genetics and Biotechnology	Integrating DNA barcoding and ortholog-based genomics to improve diagnostics for <i>Dacus frontalis</i> . Kratz, F.	12ISFFEI-effd
Genetics and Biotechnology	Viral diversity in <i>Anastrepha fraterculus</i> . Silva, J.	12ISFFEI-b843
Genetics and Biotechnology	Unprecedented viral diversity in <i>Anastrepha obliqua</i> unveiled by RNA-seq. Silva, J.	12ISFFEI-0236
Genetics and Biotechnology	<i>Lactobacillus kunkeei</i> : A bacterium with potential benefits for <i>Anastrepha obliqua</i> (Diptera: Tephritidae). Liedo, P.	12ISFFEI-a8c0
Genetics and Biotechnology	Urban-scale connectivity and subtle temporal genetic changes in <i>Bactrocera zonata</i> populations from Tel Aviv. Vanbergen, S.	12ISFFEI-aa47

NO-GAP



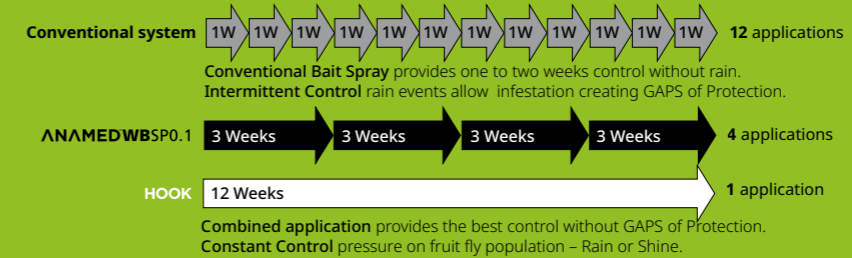
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Comprehensive Management Portfolio

Monitoring Tools

TRAPS

JACKSON TRAP
ISCA BALL TRAP (MCPHAIL TRAP)

LURES

ISCALURE TML
ISCALURE CL
ISCALURE ME
ISCA MOSCA
TORULA

Control Tools

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PROTEIN
ANAMED WB
ANAMED WB SP 0.1
PARAPHEROMONES
HOOK ME 52 SP 2.0
HOOK TML 20 SP 1.0
HOOK CL 20 SP 1.0



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Genetics and Biotechnology	High connectivity and genetic stability of <i>Bactrocera dorsalis</i> in La Réunion revealed by genome-wide analyses. Vanbergen, S.	12ISFFEI-7425
Genetics and Biotechnology	<i>Bactrocera Oleae</i> gut microbiome as a resource to improve insect mass rearing. Elsayed, A.	12ISFFEI-d66a
Genetics and Biotechnology	Insights on the structure, organization and regulation of Tephritid sex chromosomes. Rallis, D.	12ISFFEI-1b75
Genetics and Biotechnology	Development of a temperature-sensitive lethal strain and Y chromosome targeting in the oriental fruit fly <i>Bactrocera dorsalis</i> . Petrucci, G.	12ISFFEI-3a2a
Genetics and Biotechnology	Comparative performance of zingerone and raspberry ketone in the monitoring of African <i>Dacus</i> . Leonard, H.	12ISFFEI-301b
Genetics and Biotechnology	Cytogenetic characterization of laboratory populations of the <i>Anastrepha fraterculus</i> cryptic species complex. Giardini, M.	12ISFFEI-59bf

SESSION 4.

TITLE & AUTHOR

POSTER ID

Chemical Ecology and Attractants	Optimization of <i>Drosophila suzukii</i> trapping: trap attractiveness and renewal interval. Chemchaki, A.	12ISFFEI-676a
Chemical Ecology and Attractants	Methyl eugenol response by <i>Bactrocera dorsalis</i> males is suppressed by low semiochemical doses in the adult diet. Weldon, C.	12ISFFEI-8847
Chemical Ecology and Attractants	Attraction of <i>Anastrepha ludens</i> to volatile compounds emitted by five mango cultivars. Liedo, P.	12ISFFEI-fd7b
Chemical Ecology and Attractants	a-Copaene lures: more potent, longer lasting & lower cost than trimedlure plugs for monitoring <i>Ceratitis capitata</i> . Kharrat, S.	12ISFFEI-ffab
Chemical Ecology and Attractants	Vial-lure as attractant for <i>Anastrepha survallace</i> on mango orchards in Chiapas, México. Flores, S.	12ISFFEI-19b7

Chemical Ecology and Attractants	Lower the trap height, higher the catches: a case of sympatric fruit flies attracted to blends of popular para-pheromones. Chiluwal, K.	12ISFFEI-6196
Chemical Ecology and Attractants	Evaluation of the Potential of Citrus Essential Oils for Trap Attractiveness Against <i>Drosophila suzukii</i> Under Greenhouse and Field Conditions. Khffif, K.	12ISFFEI-r12c
Chemical Ecology and Attractants	Cue Lure-Mediated Male Annihilation in Fruit Flies: Insights into Attractant Efficacy across Tropical and Temperate Regions. Mir, S.	12ISFFEI-79b4
Chemical Ecology and Attractants	New Mass Trapping lure for the control <i>Drosophila suzukii</i> (Diptera, Drosophilidae). Al-Zaidi, S.	12ISFFEI-0619
Chemical Ecology and Attractants	Evaluation of traps, attractants and insecticides against the apple fruit fly in tejocote orchards in central Mexico. Pinto, V.	12ISFFEI-f1ac

SESSION 5.

TITLE & AUTHOR

POSTER ID

Risk Assessment, Quarantine and Post-harvest	Sperm in traps: assessment of female mating status in Tephritid flies to increase monitoring efficiency. Pérez, D.	12ISFFEI-8867
Risk Assessment, Quarantine and Post-harvest	Machine Learning-Based Ensemble Species Distribution Modelling of <i>Ceratitis cosyra</i> (Diptera: Tephritidae) in Africa: A climate-based baseline for risk mapping. Ruboha, J.	12ISFFEI-91d4
Risk Assessment, Quarantine and Post-harvest	TruePest SWD. The Future of <i>Drosophila Suzukii</i> : Real-Time Monitoring System. Al Karawi, D.	12ISFFEI-aa30
Risk Assessment, Quarantine and Post-harvest	Tephritidae: fast and harmonised detection methods for quarantine Tephritidae. Al Ebrahimi, N.	12ISFFEI-bf48
Risk Assessment, Quarantine and Post-harvest	Knock, knock, knocking on Europe's door: repeated <i>Dacus</i> (Diptera: Tephritidae) incursions in the European Union. Taddei, A.	

Thursday 14th May

SESSION 6.	TITLE & AUTHOR	POSTER ID
Sterile Insect Technique	Effect of thermal stress on mating competitiveness in <i>Drosophila suzukii</i> from Argentina. Scannapieco, A.	12ISFFEI-4964
Sterile Insect Technique	Mediterranean fruit fly control strategies in Morocco: technical implementation and performance of the sterile insect technique program. Leghlid, A.	12ISFFEI-0a77
Sterile Insect Technique	Pathogenic microorganisms associated with mass rearing of <i>Anastrepha fraterculus</i> (Diptera: Tephritidae). Nussenbaum, A.	12ISFFEI-b7c5
Sterile Insect Technique	Effect of guava essential oil on sexual calling and mating in <i>Anastrepha</i> SPP. Segura, D.	12ISFFEI-f524
Sterile Insect Technique	Scaling Genetic Sexing Strains for Male-Only Releases to control <i>Ceratitis capitata</i> Wied and <i>Anastrepha ludens</i> Loew. Ramírez, E.	12ISFFEI-2eb4
Sterile Insect Technique	Operational monitoring of embryonic development in <i>Ceratitis capitata</i> eggs based on degree-hour accumulation in SIT mass-rearing facilities. Velázquez, E.	12ISFFEI-13b2
Sterile Insect Technique	Integrating sterile females into sterile insect technique programs to control <i>Bactrocera dorsalis</i> in La Réunion. Delatte, H.	12ISFFEI-0645
Sterile Insect Technique	Comparison of two types of cellulose bulking agents in <i>Ceratitis capitata</i> Vienna 8 larval diets. Arredondo, J.	12ISFFEI-785f
Sterile Insect Technique	Degree-hours, a tool to measure the maturity of the <i>Ceratitis capitata</i> pupa and synchronize emergence in mass rearing sit. de la Cruz, J.	12ISFFEI-0603
Sterile Insect Technique	First genetic sexing strains of <i>Anastrepha ludens</i> (Diptera: Tephritidae) based on an X-autosome translocation. Meza, J.	12ISFFEI-dbf7

Sterile Insect Technique	Development of a genetic sexing strain in <i>Anastrepha fraterculus</i> (Wied.) from Peru by introgression of a sex sorting system based on a black pupae mutation. Vera, M.	12ISFFEI-0e17
Sterile Insect Technique	Genetically engineered strains of Queensland fruit fly exhibit strong field performance. Hossain, M.	12ISFFEI-4b3d
Sterile Insect Technique	Semi-field experiments comparing wild and laboratory-reared sterile males of Mediterranean fruit flies. Machal, Y.	12ISFFEI-ym86
Sterile Insect Technique	Effects of irradiated female <i>Ceratitis capitata</i> (V-8 strain) on Nadorcott mandarin fruit quality under laboratory conditions. Aminzou S.	12ISFFEI-46d7
Sterile Insect Technique	Effect of different irradiation doses on certain biological parameters of the fruit fly <i>Bactrocera dorsalis</i> Hendel (Diptera: Tephritidae) under laboratory conditions. Zaoua, D.	12ISFFEI-0921
Sterile Insect Technique	Scaling Genetic Sexing Strains for Male-Only Releases to control <i>Ceratitis capitata</i> Wied and <i>Anastrepha ludens</i> Loew. Ramirez, E.	12ISFFEI-2eb4
Sterile Insect Technique	Optimum irradiation dose for sterilizing adult male <i>Bactrocera dorsalis</i> Hendel. Ofori, E.	12ISFFEI-1016
Sterile Insect Technique	Longevity, dispersal, and performance of <i>Drosophila suzukii</i> sterile males in cherry. Zriki, G.	12ISFFEI-c881
Sterile Insect Technique	Degree-hours, a tool to measure the maturity of the <i>Ceratitis capitata</i> pupa and synchronize emergence in mass rearing sit. de la Cruz, J.	12ISFFEI-0603
Sterile Insect Technique	Population Dynamics and Sterile Insect Technique for IPM of <i>Drosophila suzukii</i> in Morocco. Khif, K.	12ISFFEI-g98g
Sterile Insect Technique	Biological performance of <i>Anastrepha fraterculus</i> following adult injection: implications for sit development. Soria, M.	12ISFFEI-7764
Sterile Insect Technique	Evaluation of New X-Chromosome Translocation Genetic Sexing Strains of <i>Ceratitis capitata</i> . Aguirre, S.	12ISFFEI-7012

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Sterile Insect Technique	Sterilization dose with Gamma and X-ray irradiation in <i>Zeugodacus cucurbitae</i> . Raghoo, S.	12ISFFEI-e4f3
Sterile Insect Technique	Fruit Fly Surveillance and Monitoring for Species Diversity and Distribution with Emphasis on <i>Bactrocera dorsalis</i> Towards Readiness for Sterile Insect Technique (SIT). Msibi, N.	12ISFFEI-nbm5
Sterile Insect Technique	Establishment and Functioning of a Sterile Medfly Unit in Morocco. Boujdig, S.	12ISFFEI-sb16

SESSION 7. TITLE & AUTHOR POSTER ID

Natural Enemies and Biological Control	Potential of soil-applied <i>Beauveria hoplocheli</i> for the biological control of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). Hafsi, A.	12ISFFEI-7387
Natural Enemies and Biological Control	Field release of <i>Diachasmimorpha longicaudata</i> using pupa-based devices as an alternative to conventional release systems. Ayala, A.	12ISFFEI-c9d2
Natural Enemies and Biological Control	Screening of highly effective Entomopathogenic fungi and improvement of their control efficiency against <i>Bactrocera dorsalis</i> in Hainan Province. Hao, B.	12ISFFEI-906f
Natural Enemies and Biological Control	Effects of the artificial larval diet and host species on quality parameters of <i>Diachasmimorpha longicaudata</i> (Hymenoptera: Braconidae). Devescovi, F.	12ISFFEI-c337
Natural Enemies and Biological Control	Influence of altitude on the infectivity of <i>Beauveria bassiana</i> against <i>Ceratitis capitata</i> in Chiapas, Mexico. García, G.	12ISFFEI-ggc8
Natural Enemies and Biological Control	Environmental and Temporal Effects on the Release of Parasitized Pupae of <i>Doryctobracon areolatus</i> (Hymenoptera: Braconidae). Quintero, L.	12ISFFEI-33b3
Natural Enemies and Biological Control	Habitat-scale chemical landscapes shape <i>Fopius arisanus</i> parasitic activity. Jacob, V.	12ISFFEI-9eef

SESSION 8.		TITLE & AUTHOR	POSTER ID
Other Control Methods	Development and Field Application of the TELEMO Fruit Fly Intelligent Monitoring System. Du, J.	12ISFFEI-8331	
Other Control Methods	Evaluation of Lure-&Kill panels for <i>Ceratitis capitata</i> control under different environmental conditions. Papili, V.	12ISFFEI-f061	

Friday 15th May

SESSION 9.		TITLE & AUTHOR	POSTER ID
Area-wide Integrated Pest Management and Action Programs	Impact of the <i>Bactrocera Oleae</i> infestation on the total polyphenol content of two varieties of olives: the Picholine Marocaine and the Picholine Languedoc. Ait Si Mbarek, A.	12ISFFEI-ccb7	
Area-wide Integrated Pest Management and Action Programs	“Design and Development of a Ground Release Equipment for Sterile Mediterranean Fruit Flies (<i>Ceratitis capitata</i>) using the Chilled Adult Technique in Argentine Patagonia”. Mongabure, A.	12ISFFEI-6014	
Area-wide Integrated Pest Management and Action Programs	Technological Innovation in Emergence Rooms for Sterile <i>Ceratitis capitata</i> (Wiedemann) Males using the Chilled Adult Technique in Allen, Argentine Patagonia. Mongabure, A.	12ISFFEI-a7fc	
Area-wide Integrated Pest Management and Action Programs	Area-Wide Management for Fruit Flies in Java Island – Moving or Stagnant? Abdurahim, A.	12ISFFEI-d219	
Area-wide Integrated Pest Management and Action Programs	Med fly <i>Ceratitis capitata</i> suppression on Mahe Island in Seychelles. Brutus, S.	12ISFFEI-406b	
Area-wide Integrated Pest Management and Action Programs	Survey of fruit flies (Tephritidae: Dacini) in Qasr Bin Ghashir Municipality, Greater Tripoli Governorate, Libya. Elghadi, E.	12ISFFEI-9b3d	

Area-wide Integrated Pest Management and Action Programs	Computer Systems and Artificial Intelligence (AI) for Phytosanitary Surveillance in Argentina’s National Fruit Fly Program (PROCEN). Garavelli, E.	12ISFFEI-5a63
Area-wide Integrated Pest Management and Action Programs	Area-wide IPM & Sterile insect technique: A case study on dragon fruit in Viet Nam. Nguyen, H.	12ISFFEI-2475
Area-wide Integrated Pest Management and Action Programs	Using digital methods for National fruit fly surveillance in South Africa. Mokwele, J.	12ISFFEI-11a8
Area-wide Integrated Pest Management and Action Programs	Competition and displacement between <i>Bactrocera dorsalis</i> and <i>Bactrocera zonata</i> in Mauritius. Patel, N.	12ISFFEI-3c52
Area-wide Integrated Pest Management and Action Programs	Detection and monitoring of fruit fly (Diptera: Tephritidae) in elssuki, Sennar State, Sudan. Babiker, A.	12ISFFEI-e3ad
Area-wide Integrated Pest Management and Action Programs	Population Dynamics of the Olive Fly (<i>Bactrocera oleae</i>) in Two Olive Orchard Varieties: Picholine Marocaine and Picholine Languedoc. Ait Si Mbarek, A.	12ISFFEI-04a1
Area-wide Integrated Pest Management and Action Programs	Planning for resistance: USDA APHIS efforts to prevent and mitigate Spinosad resistance in regulated fruit fly species intercepted in the United States. Stockton, D.	12ISFFEI-06b4
Area-wide Integrated Pest Management and Action Programs	Preliminary survey for the Oriental fruit fly, <i>Bactrocera dorsalis</i> (Diptera, Tephritidae) in the north west of Libya. Elghadi, E.	12ISFFEI-b438
Area-wide Integrated Pest Management and Action Programs	Modelling-Informed Decision-Making in Guatemala’s Medfly Program. Lira, E.	12ISFFEI-33a8
Area-wide Integrated Pest Management and Action Programs	Mass rearing, quality control, and sterilization of <i>Drosophila suzukii</i> in the Santa Rosa Bioplant (iscamen). Asfennato, J.	12ISFFEI-de7a
Area-wide Integrated Pest Management and Action Programs	Area-wide integrated pest management (AW-IPM) of Mediterranean fruit fly in Mendoza, Argentina. Asfennato, J.	12ISFFEI-5e89

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Area-wide Integrated Pest Management and Action Programs	Operational and economic validation of real-time IoT-based monitoring systems for zero-tolerance compliance against <i>Ceratitis capitata</i> in Moroccan citrus orchards. Darkaoui, M.	12ISFFEI-48fb
Area-wide Integrated Pest Management and Action Programs	Biodiversity and integrated management of fruit flies on fruit crops in India. Singh, S.	12ISFFEI-3157
Area-wide Integrated Pest Management and Action Programs	Contribution to fruit flies (<i>Bactrocera dorsalis</i>) IPM strategy in Bimodal Rainforest forest agroecological zone in Cameroon. Colince, N.	12ISFFEI-nc85

SESSION 10.

TITLE & AUTHOR

POSTER ID

Social, Economic and Policy Issues of Action Programs	PIE: A Pest Management Performance Assessment Tool Framework for Holistic Comparison of Pest Management Strategies. Quinlan, M.	12ISFFEI-mq52
Social, Economic and Policy Issues of Action Programs	Biocontainers: a mediated educational approach for biodiversity conservation in primary schools addressing the Mediterranean fruit fly problem. Navarro, W.	12ISFFEI-2af8
Social, Economic and Policy Issues of Action Programs	Impacts of the "tariff hike" on fruit fly populations in the São Francisco Valley, Brazil. Cruz, I.	12ISFFEI-426b
Social, Economic and Policy Issues of Action Programs	PESTFLY PATROL: Early Detection of <i>Bactrocera dorsalis</i> in Belgium through citizen science. Mitrache, L.	12ISFFEI-9abe



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