

Regional Symposium on the Management of Fruit Flies in Near East Countries

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A look on Fruit Flies in the Near East region

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Main fruit flies in the NE

- Mediterranean fruit fly: *Ceratitis capitata*
- Olive fruit fly: *Bactrocera oleae*
- Black fig fruit fly: *Silba virescens*
- Cherry fly: *Rhagoletis cerasi*
- Melon fruit fly: *Dacus frontalis*
- Cucurbit fly: *Dacus ciliatus* -
- Peach fruit fly: *Bactrocera zonata*
- Mango fruit fly (*Ceratitis cosyra*)-
- African invader fly(*Bactrocera invadens*)[Sud; Maur?](#)

Major species of fruit flies attacking crops in Africa:

- African invader fly (*Bactrocera invadens*) [NE Maur?](#)
- Melon fly (*Bactrocera cucurbitae*)
- Pumpkin fly (*Dacus bivittatus*)
- Jointed pumpkin fly (*Dacus vertebratus*)
- Mediterranean fruit fly or medfly (*Ceratitis capitata*)
- Natal fruit fly (*Ceratitis rosa*)
- Mango fruit fly or Marula fruit fly (*Ceratitis cosyra*) [NE region-Sud?](#)

Major species of fruit flies attacking crops in Sudan:

- Mediterranean fruit fly or medfly (*Ceratitis capitata*)
- Mango fruit fly or Marula fruit fly (*Ceratitis cosyra*)
- *Ceratitis quinaria*
- African invader fly (*Bactrocera invadens*)
- Melon fly (*Bactrocera cucurbitae*)
- *B. longistylus*
- ***Dacus sp.***
- *Paradalopsis incompleta* (Sidir & jubajuba);

[illegible]



African invader fly (*Bactrocera invadens*)



Melon fly (*Bactrocera cucurbitae*)



**Mediterranean fruit fly *Ceratit*
*capitata***



**fruit fly *Ceratit*
*fasciventris***

**Mango fruit fly or Marula fruit fly
(*Ceratit*
cosyra)**



European Cherry Fruit Fly: *Rhagoletis cerasi*





**Cherry Fruit Fly, *Rhagoletis cingulata* (Loew)
and Black Cherry Fruit Fly,
Rhagoletis fausta (Osten Sacken)**



More than
250 species
are infested
by Cc & Bz

LARVAE IN AN INFESTED FIG FRUIT



Olive fruit fly *Bactrocera (Dacus) oleae*
Gmelin (Dip. Tephritidae)





Statewide surveys have gathered important information about the life cycle of the olive fruit fly



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Internal fruit fly damage symptoms on courgette

Female peach fruit fly (PFF)



FAO – Regional project: TCP/RAB/2902

Countries:ALGERIA, EGYPT, IRAN, IRAQ, JORDAN, LEBANON, LIBYA, MOROCCO, SAUDI ARABIA, SUDAN, SYRIA, TUNISIA AND YEMEN

Management of the Peach Fruit Fly (*Bactrocera zonata*) in the Middle East and North Africa

Recommendations

- Establish a program on the detection/identification/surveillance of fruit flies in the different countries in the region;
- Identify the economic status of the main fruit flies especially PFF in all the project`s countries.
- Training technicians and farmers for survey, monitoring and control of main fruit flies especially PFF in the region.
- Highlight a warning signal of the risk on the main fruit flies in particular PFF spread out in and outside the region.
- Establish a research program on the bio-ecology of main fruit flies in the different countries,
- Establish a program for efficient technical control for the main fruit flies management, especially PFF
- Development of an emergency response plan in the PFF and other main fruit flies free countries
- Identify the regulatory actions required until the main fruit flies are eradicated/controlled, in collaboration with national/regional plant protection organizations in the region (EPPO & NEPPO).

وزارة الزراعة واستصلاح الأراضي
مركز البحوث الزراعية



البرنامج القومي لإستئصال ذبابة الخوخ
**National Area-Wide
Peach Fruit Fly Eradication Program**

PFF in Yemen



PFF status in Middle East & North Africa countries

Country		Present	Absent*
Egypt		In most parts of the area where host crops are grown	*Morocco
Yemen		In many parts of the area where host crops are grown	Algeria
UAE		further information no Recorded	*Tunisia
KSA		region Recorded in Jizan	*Libya
Oman		Recorded in some parts of the area where host crops are grown	*Sudan
Iran		Recorded in the south of the country	Jordan*
Libya		Recorded in some parts of the country	*Syria
			*Lebanon
			Iraq

*





Orchard sanitation





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SIT/ Cc in Tunisia







Mabrouka & Yassen





SIT: Jordan, West Bank, Morocco

















IPPC: Technical panel on fruit flies



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MERCI**THANK YOU**