

**Host Plant Resistance, Cultural Practices, and
Biological Control: Essential Components in
IPM Programs**

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E-mail: b.bayaa@cgiar.org

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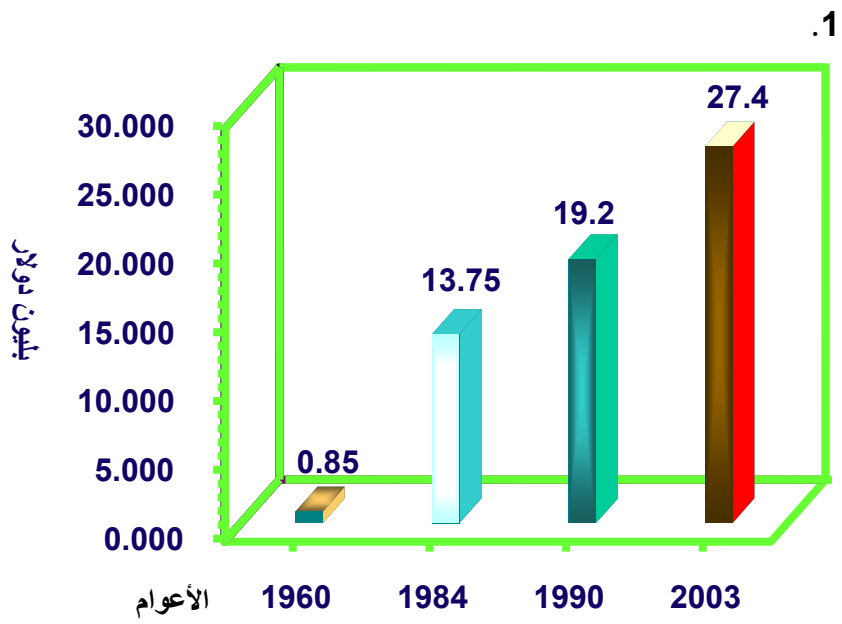
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Sick plot

Fusarium

Fusarium oxysporum

oxysporum f. sp. *ciceris*

f. sp. *lentis*



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Russian wheat aphid

Hessian fly

Wheat saw fly

.Chickpea leaf miner

Sunni pest

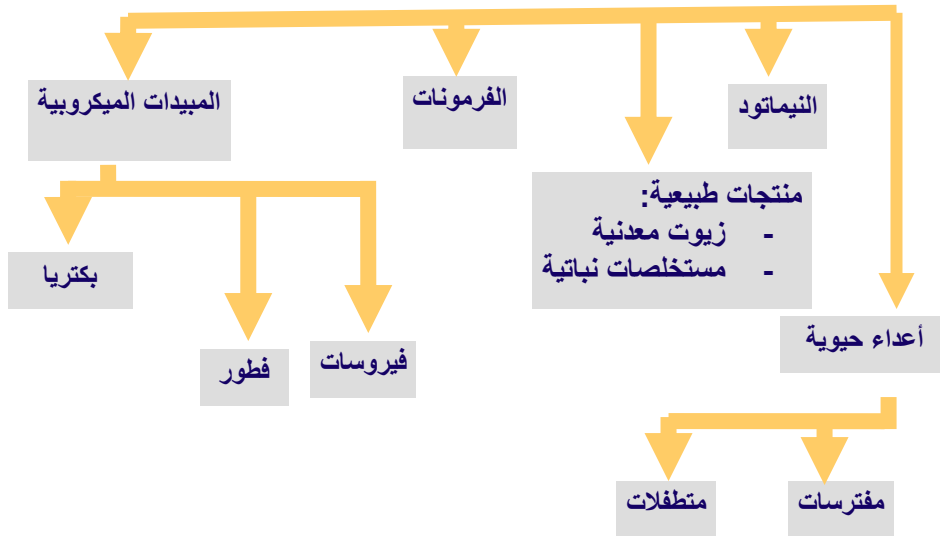
leaf weevil lentil

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مخطط رقم 1. المجاميع المختلفة للمبيدات الحيوية



Eurygaster integriceps

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Put.**

Vermont

1998

200

Beauveria bassiana

Paecilomyces farinosus

Verticillium sp. *Fusarium* sp.



CABI

.2002

Eurygaster integriceps **Put.**

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5 2000 – 1997

:
T. (Mayr) *T. simoni* (Mayr) *Trissolcus grandis* (Thomson)
Scelionidae *Gryon fasciatus* (Priener) *vassilieva*
Pooencyrtus femndus (Ferrière & Voegelé)

. Encyrtidae

/ 50

24

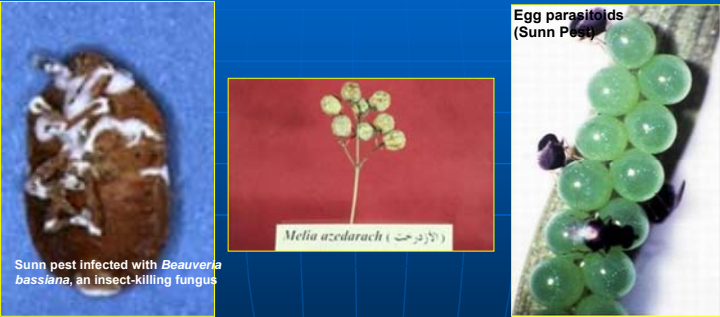
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Biological control (Sunn Pest)

Entomopathogenic fungi, parasitoids and botanical insecticides



Sunn pest infected with *Beauveria bassiana*, an insect-killing fungus

Melia azedarach (الأزدرخت)

Egg parasitoids (Sunn Pest)

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Opius

Liriomyza cicerena R.

:monilicornis

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%2.0 1.0 0.50

O. monilicornis

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Cuscuta spp.

Orobanche spp.

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