

Pragas do *Algodoeiro*



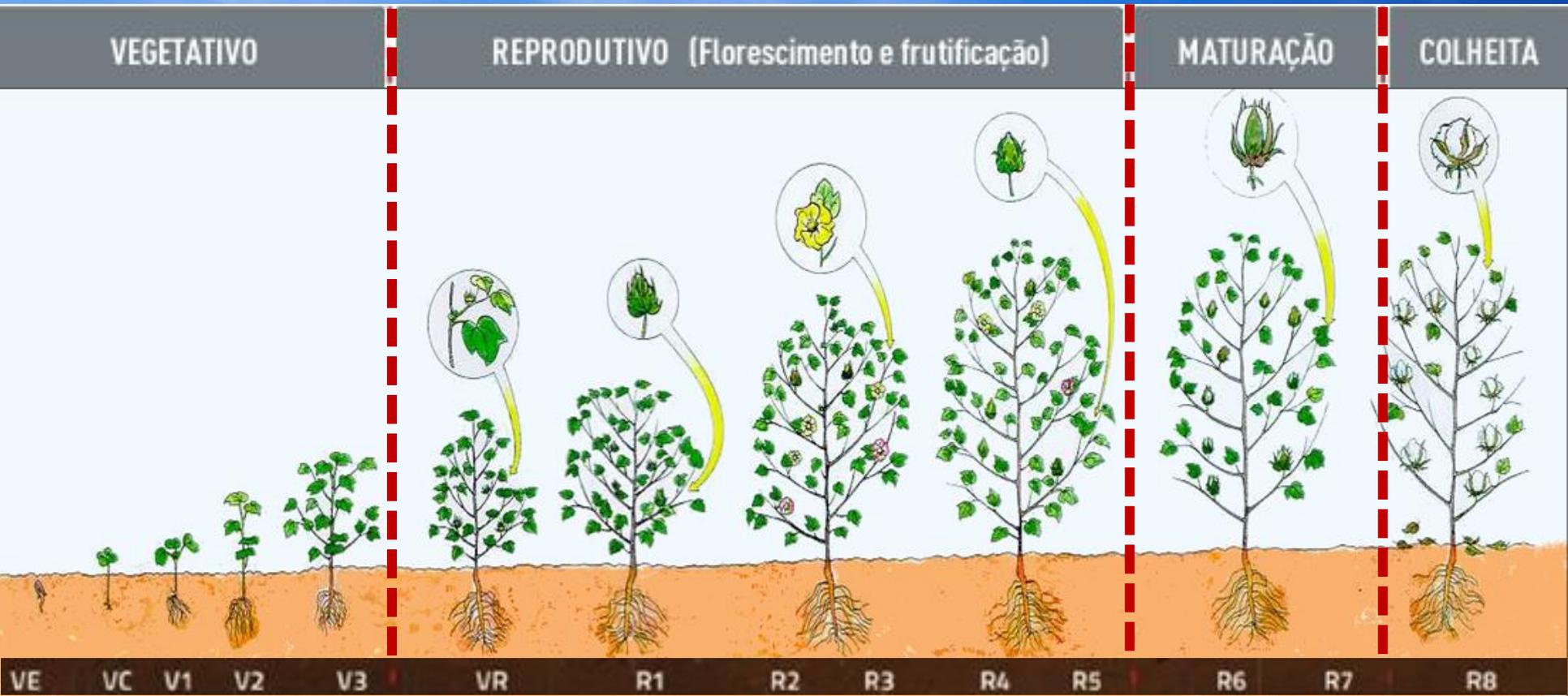
LEA-430 Pragas das Plantas Cultivadas







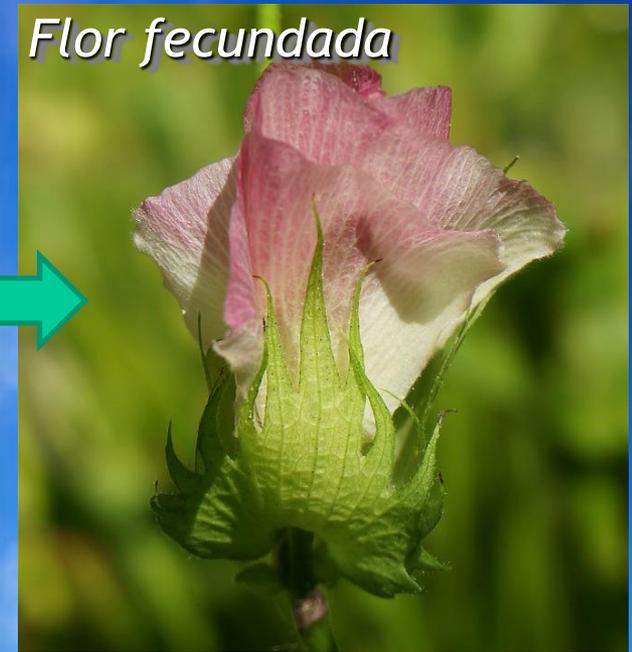
Ciclo do algodão em seus diferentes estádios



Sequência de floração do algodoeiro



Estruturas reprodutivas do algodoeiro



Capulho





Agricultura Tecnificada









PR-BWS

PT-15B

Mela/tombamento



Goulart et al. 2011

Doenças

Ramulária



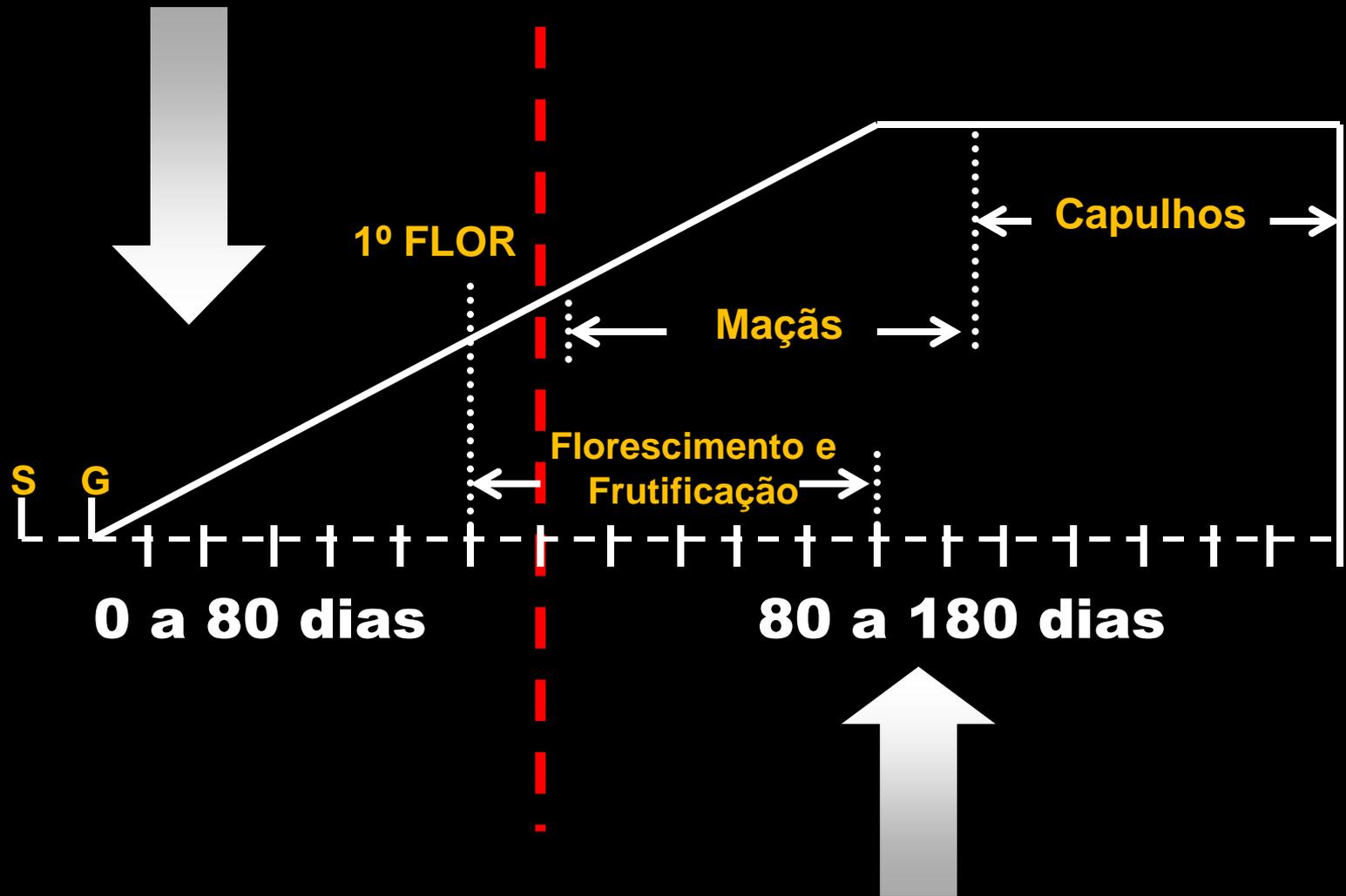
Ramulose
(superbrotamento)



Mosaico das nervuras atípico



Pragas iniciais



Pragas tardias

Pragas iniciais

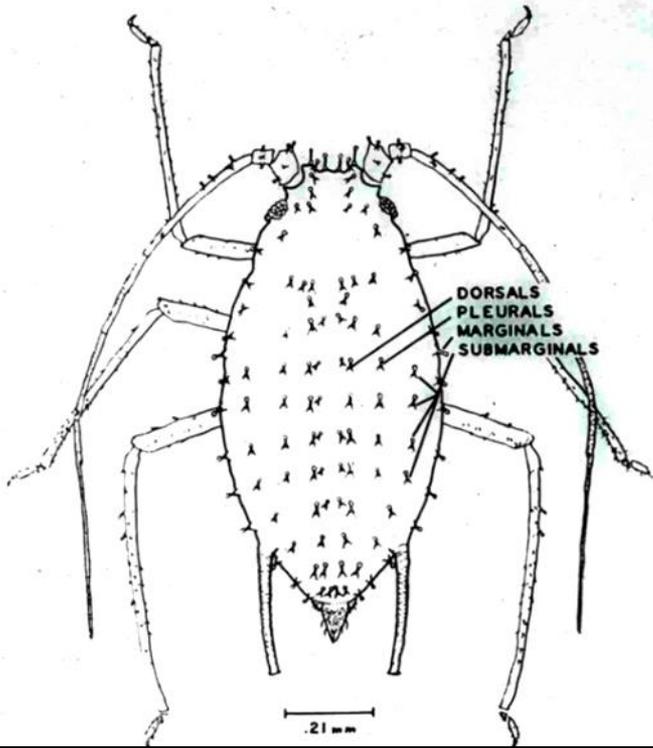
- Pulgões
- Mosca-branca
- Tripes
- Broca-das-raízes
- Percevejo-castanho
- Lagarta-rosca



Cerrado
Lagarta-elasma

Pulgões

Ocorrem até 60-80 dias



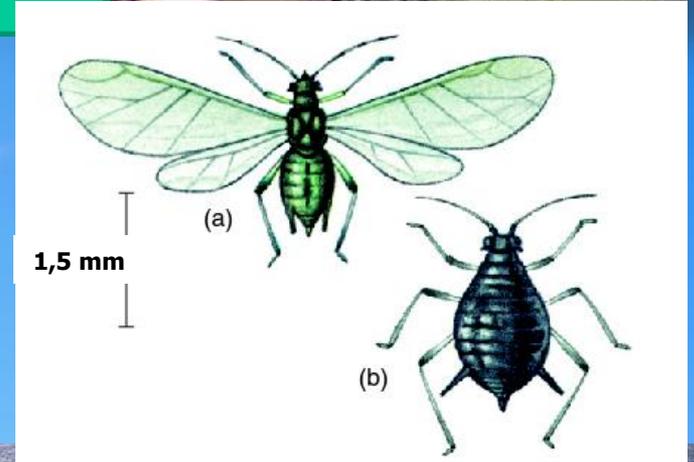
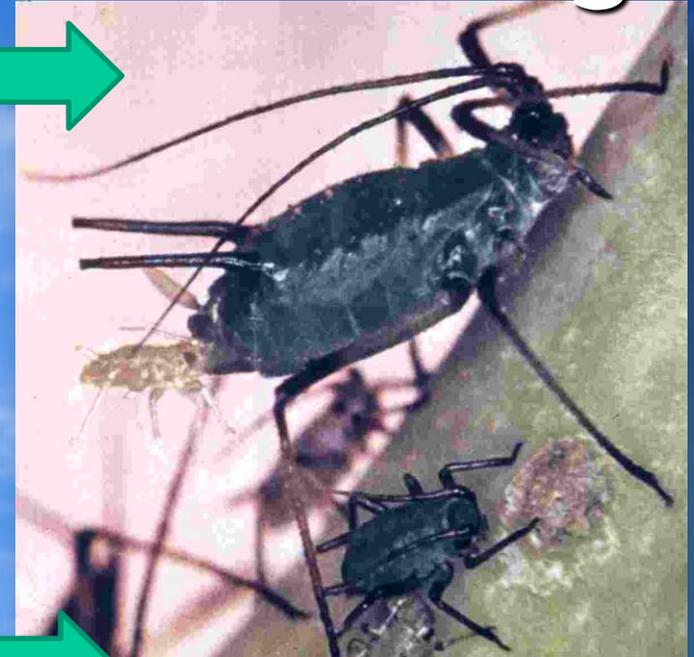
Aphis gossypii



Myzus persicae

Pulgões

Descrição e Bioecologia



(a) Adulto alado
(b) Adulto áptero

Pulgões

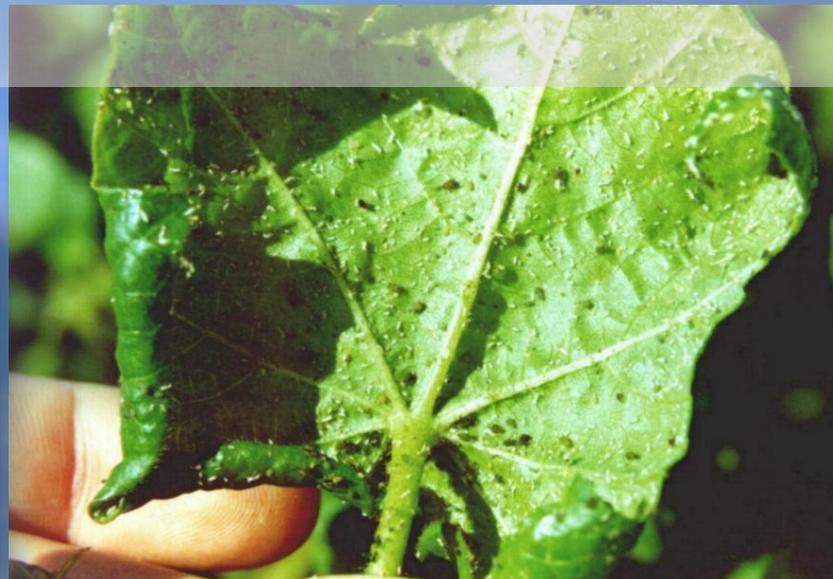
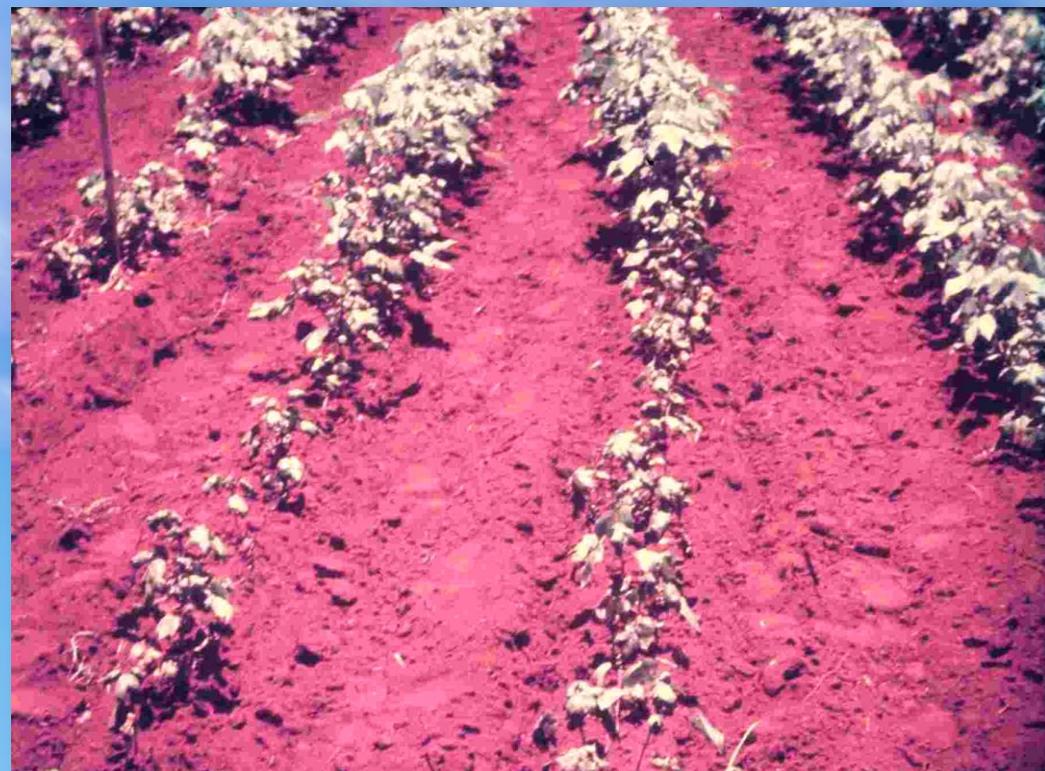
Danos



Diretos
e
Indiretos

Pulgões

Danos diretos



Pulgões

Danos indiretos

1

AZULÃO



2

VERMELHÃO



Pulgões

Danos indiretos



Fumagina no capulho

3

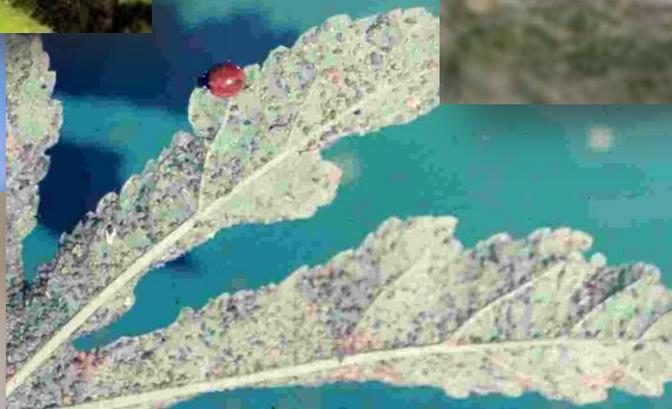


Fumagina na folha

4

Pulgões

Inimigos Naturais



Tripes

Frankliniella schultzei



Tripes

Frankliniella schultzei

Descrição e Bioecologia



Adultos

Tripes

Descrição e Bioecologia



Ninfa de tripes

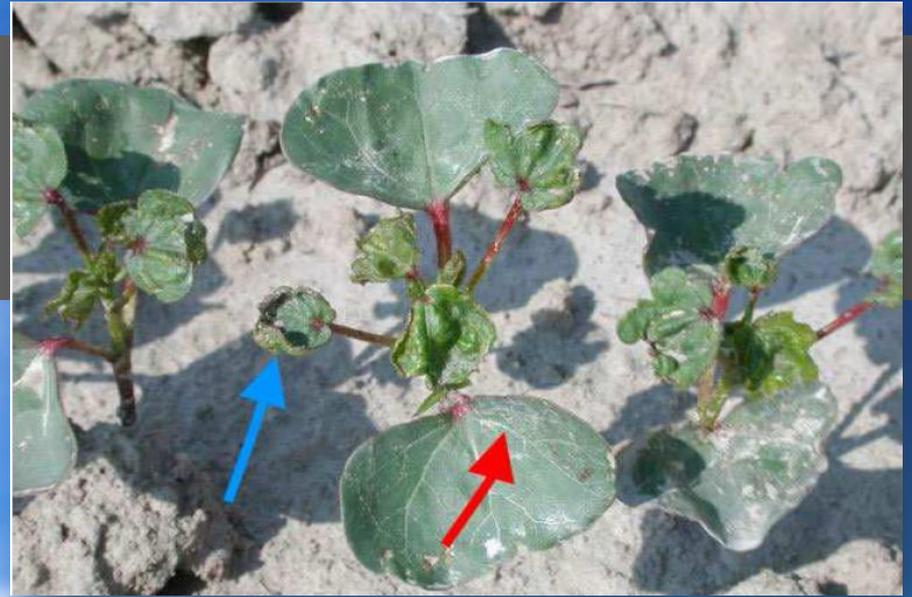
Pré-pupa de tripes





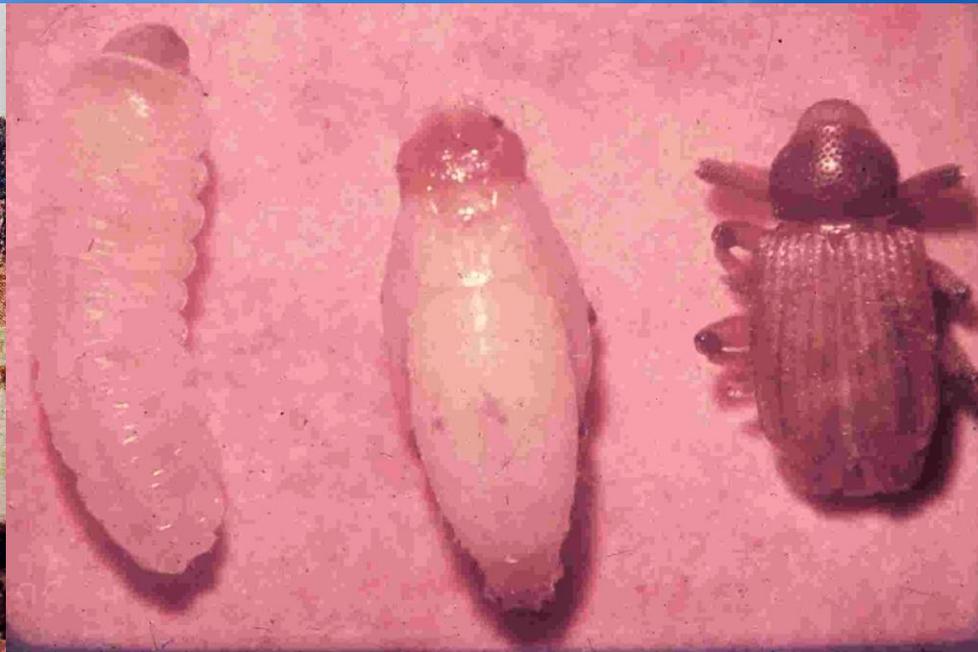
Tripes

Prejuízos



Broca-das-raízes

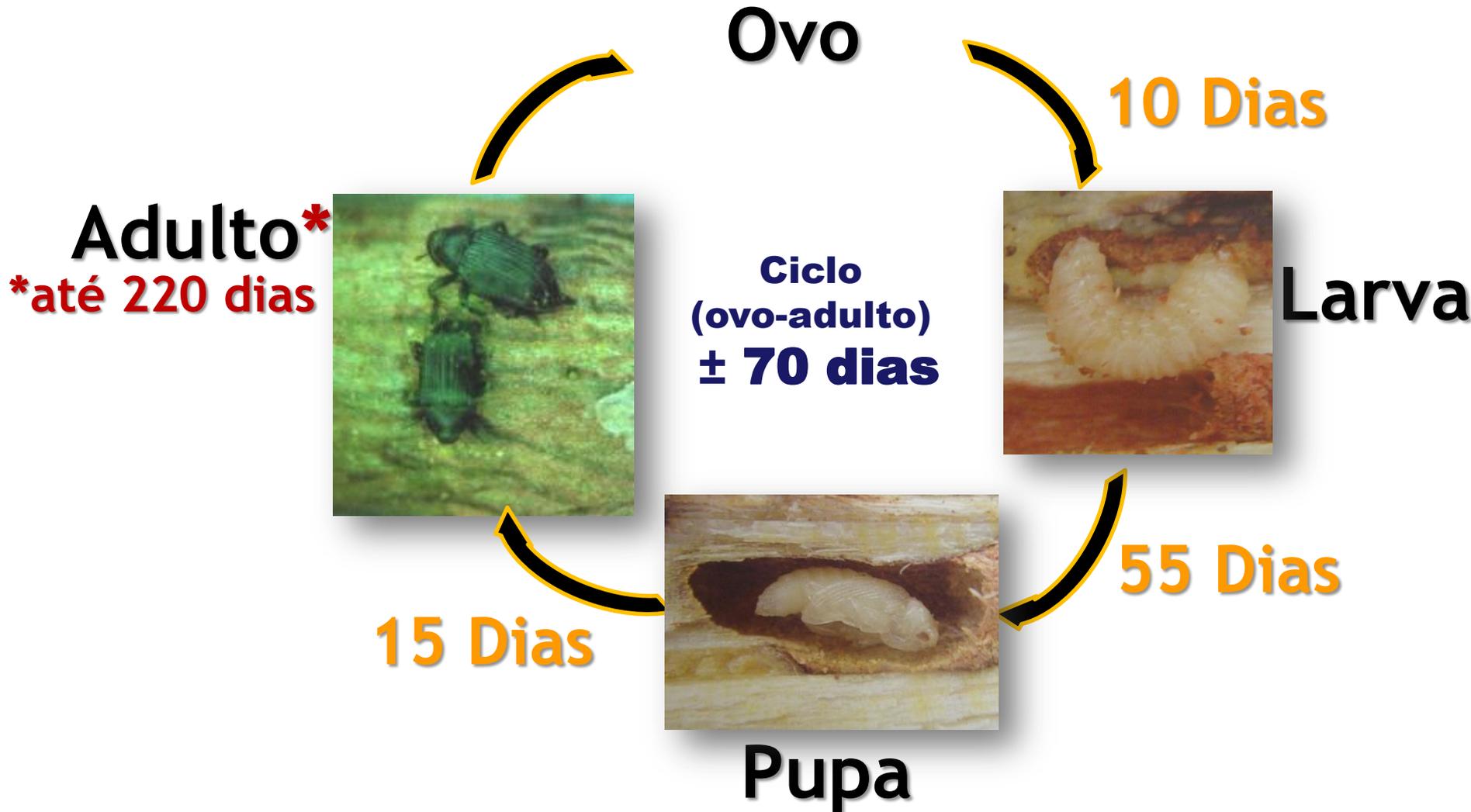
Descrição e Bioecologia



Eutinobothrus brasiliensis

Broca-das-raízes

Ciclo ovo - adulto



Broca-das-raízes

Danos

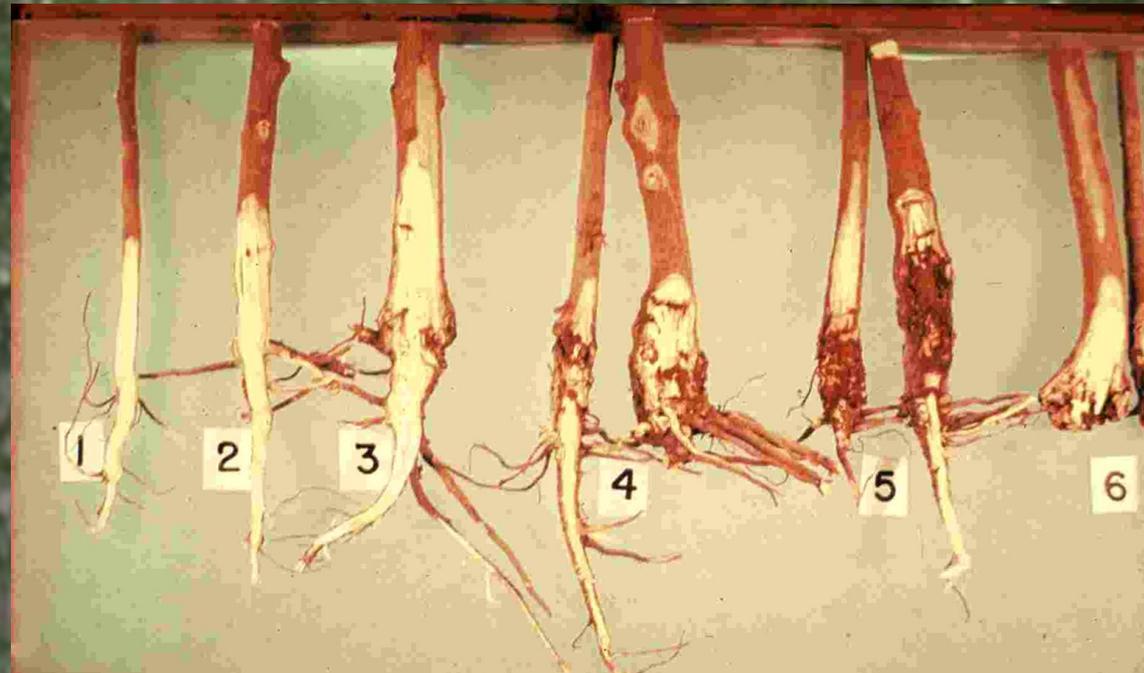






Broca-das-raízes

Danos







Percevejo-castanho

Hemiptera: Cydnidae



*Scaptocoris
castanea*



*Scaptocoris
carvalhoi*

Percevejo-castanho

Descrição e Bioecologia



Percevejo-castanho

Danos



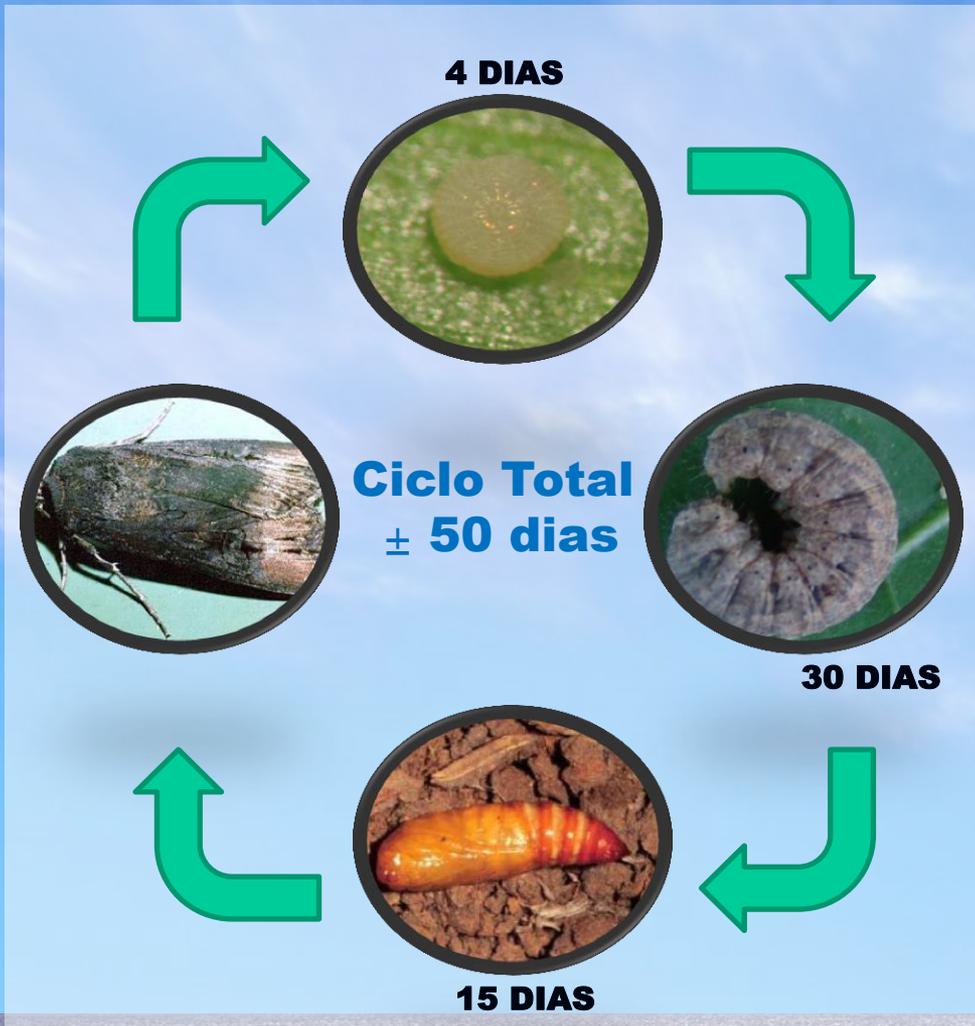
Lagarta-rosca

Agrotis ipsilon



Lagarta-roasca

Ciclo biológico



Lagarta-rosca

Danos



Mosca branca

Bemisia tabaci



biótipo B

Capulho com Fumagina

Pragas tardias

- **Ácaros**
- **Bicudo-do-algodoeiro**
- **Lagartas**
- **Percevejos**

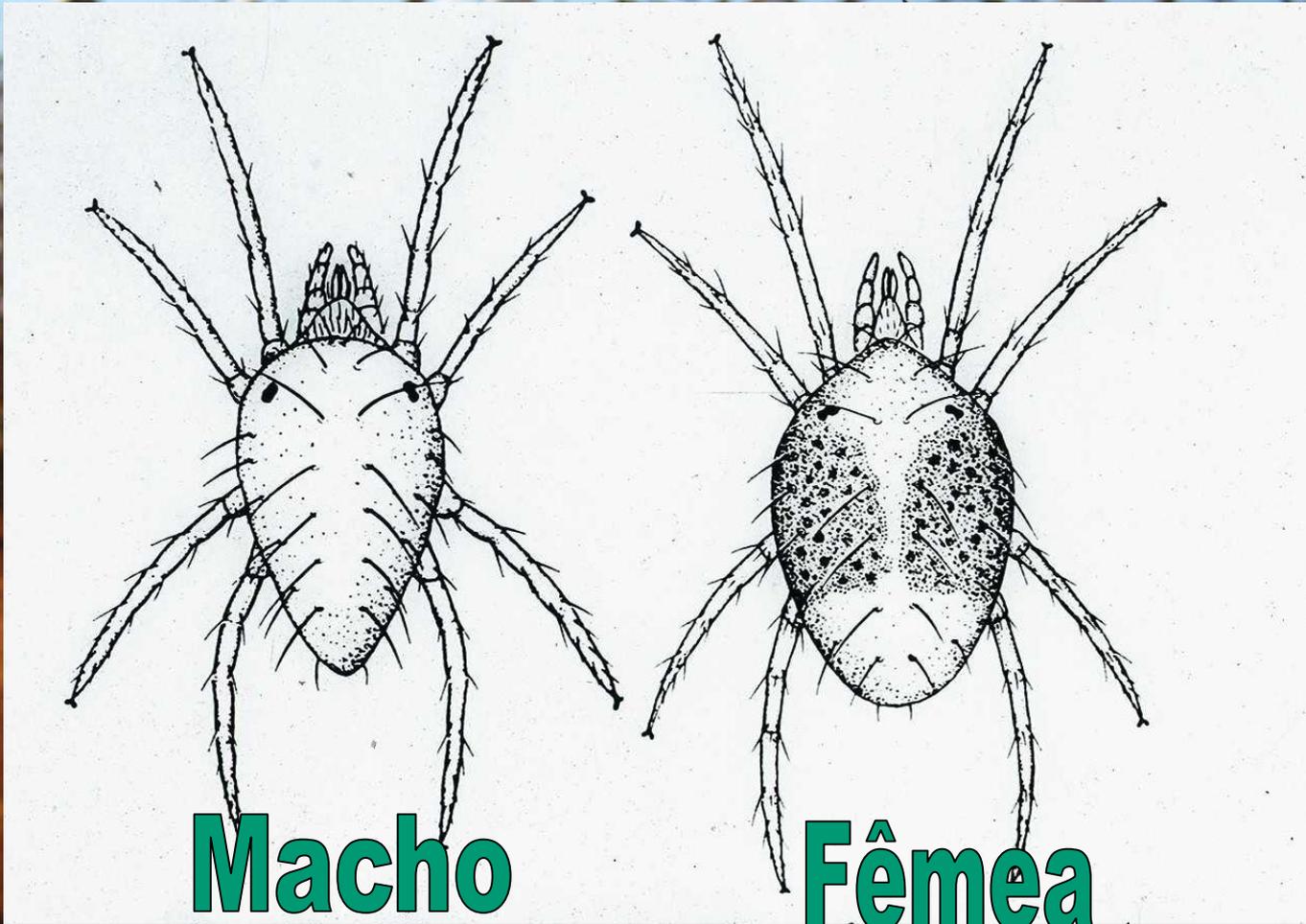


Ácaros



Ácaro-rajado

Tetranychus urticae



Macho

Fêmea

Ácaro-rajado

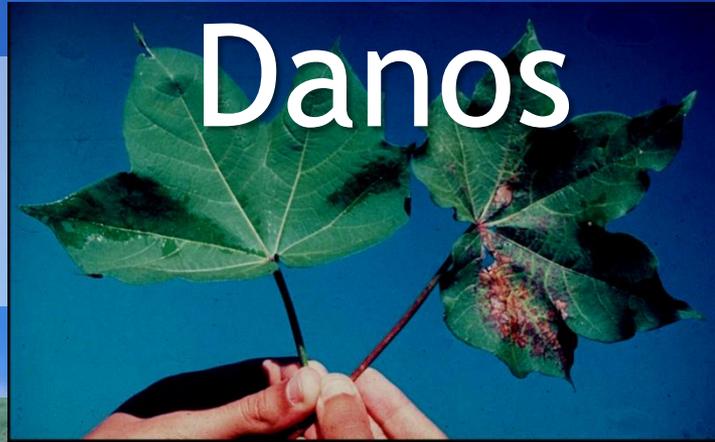
Reconhecimento e Bioecologia





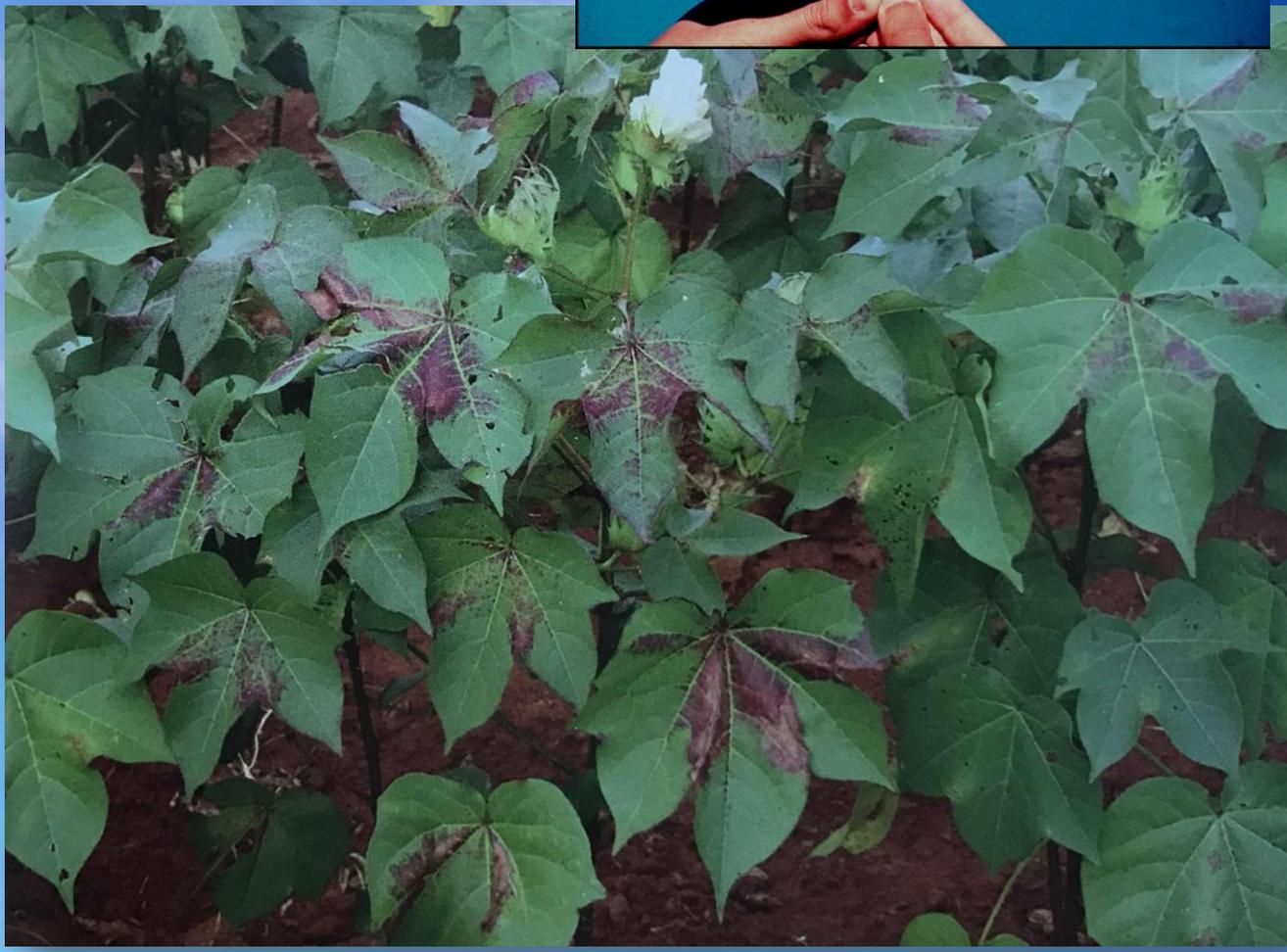


Ácaro-rajado



Danos

Folhas na Parte Mediana da Planta





Ácaro-branco

Polyphagotarsonemus latus



Ácaro-branco

Reconhecimento e Bioecologia



Ácaro-branco

Ciclo de vida



Ácaro-branco

Danos

**Folhas no
Ponteiro da Planta**



Ácaro-branco

Danos





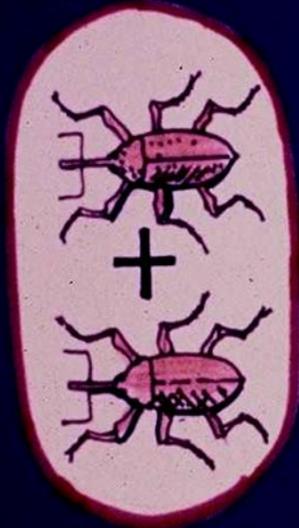
Bicudo do algodoeiro
Anthrenus grandis





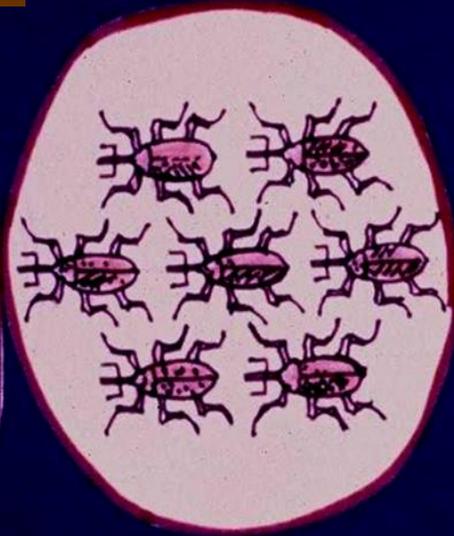
Potencial Biótico Elevado

1 Casal



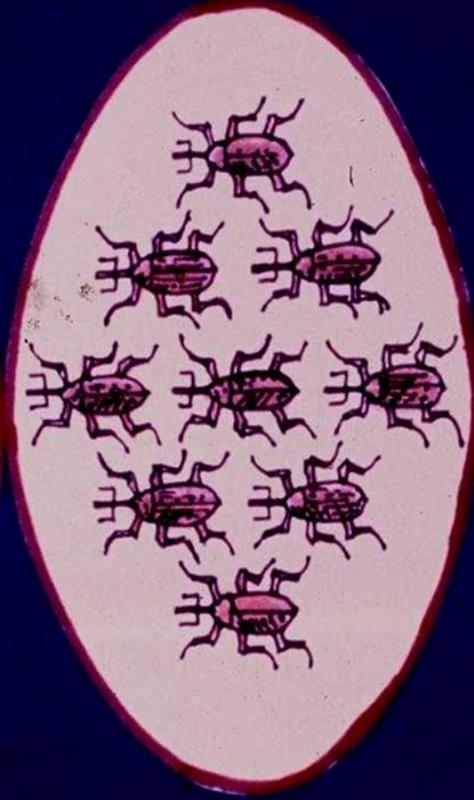
25 dias

300



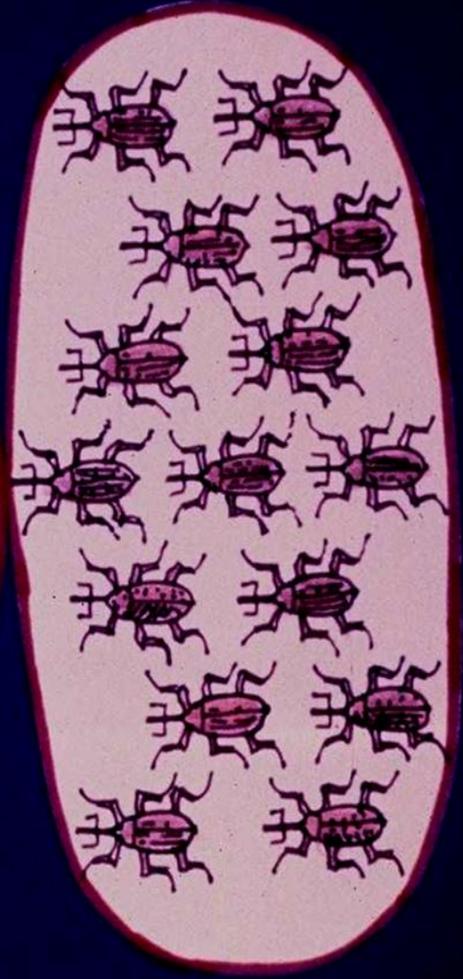
50 dias

90.000



75 dias

27.000.000

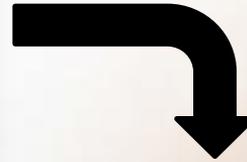


Ciclo de vida

Ovo



3-4 dias



Larva



7-12 dias



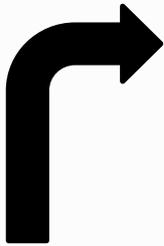
Pupa



3-5 dias



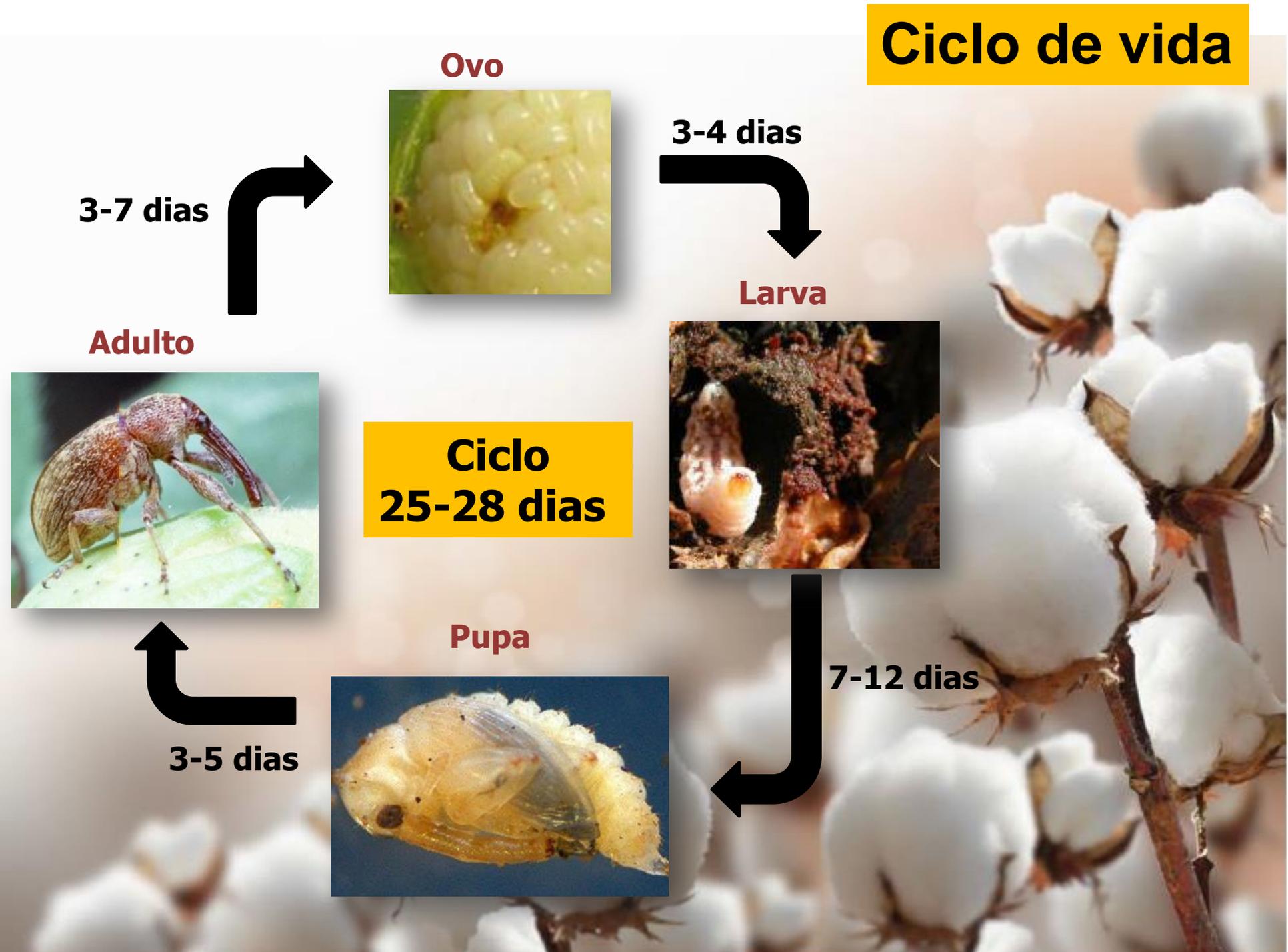
3-7 dias



Adulto

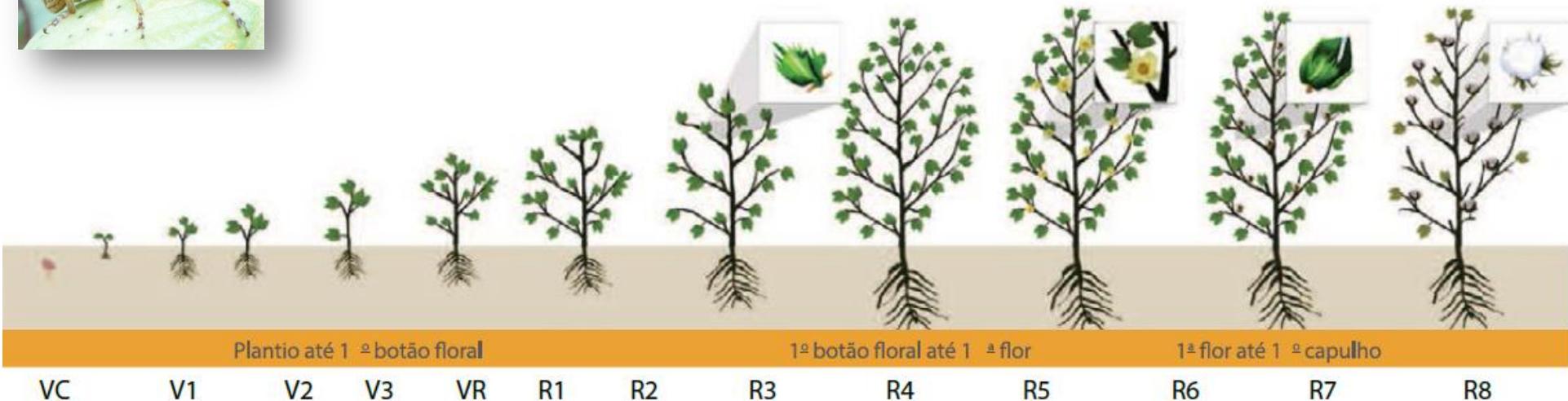


Ciclo
25-28 dias





Gerações por safra



Praga tardia
(botões florais até colheita)

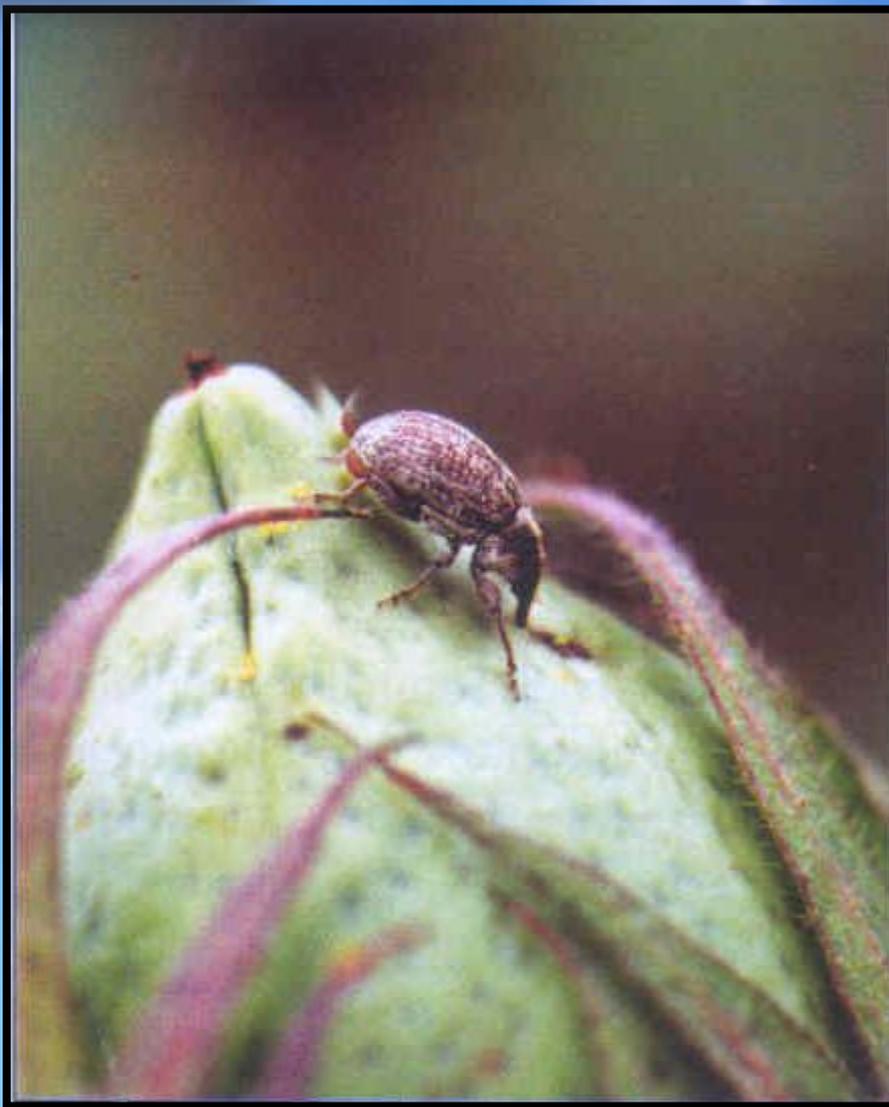
3-7 gerações na cultura

Fim do ciclo
Migração e Diapausa

Dano de Alimentação



Dano de Postura





Dano de Postura



Dano na Flor



Flor Balão



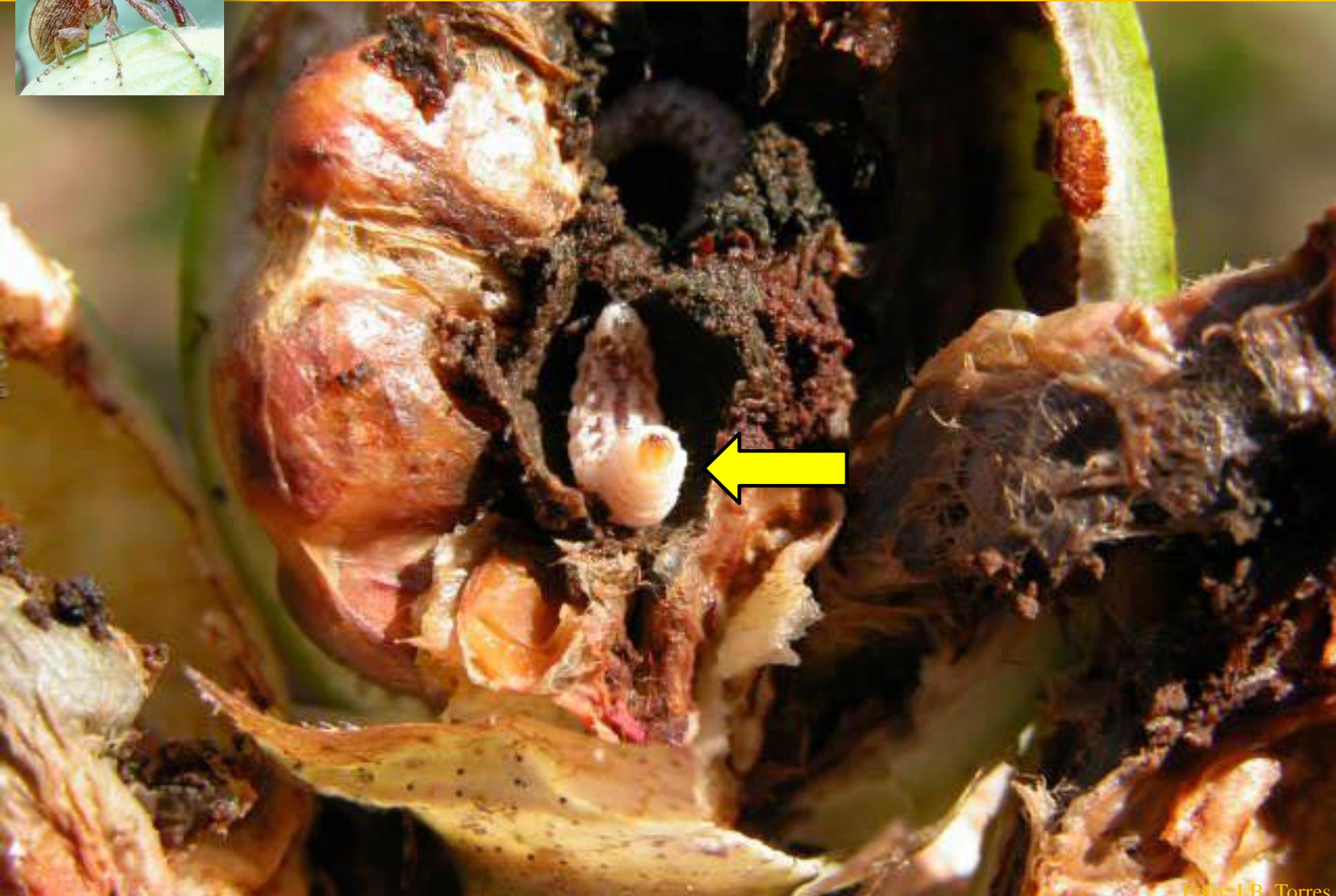
Dano de Postura



Dano na maçã (fruto)



Dano na maçã (fruto)



Danos nas maçãs (frutos)



"Carimã"



**Fibras e
sementes
destruídas**

Queda de botões, flores e maçãs





Lagartas



Curuquerê

Alabama argillacea



Alabama argillacea
(Hübner, 1818) Fêmea



Alabama argillacea
(Hübner, 1818) Macho

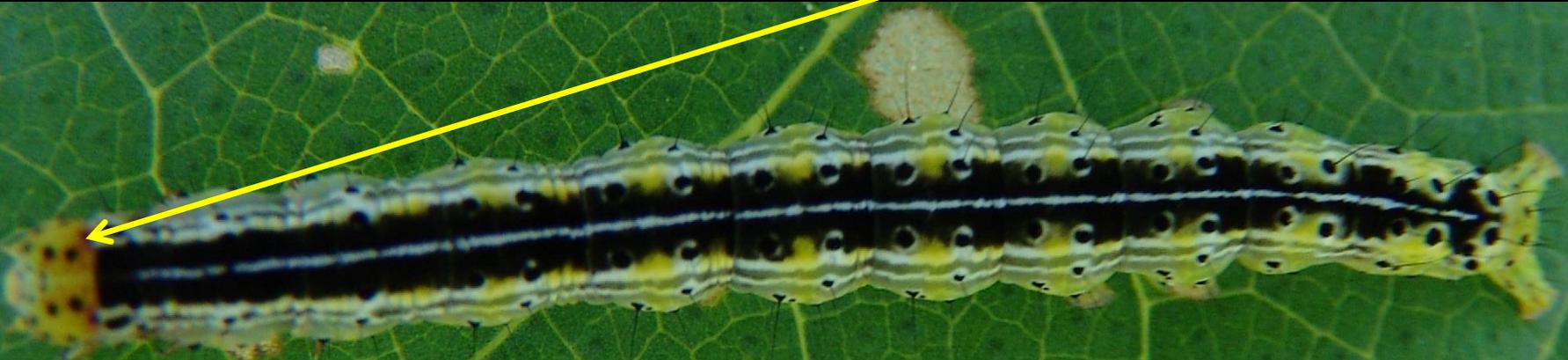




Nível Populacional e Coloração



Pontuações na cabeça





Pupa

Alabama argillacea



Danos nas folhas



Lagarta das maçãs, *Chloridea virescens*



Lagarta das maçãs, *Chloridea virescens*

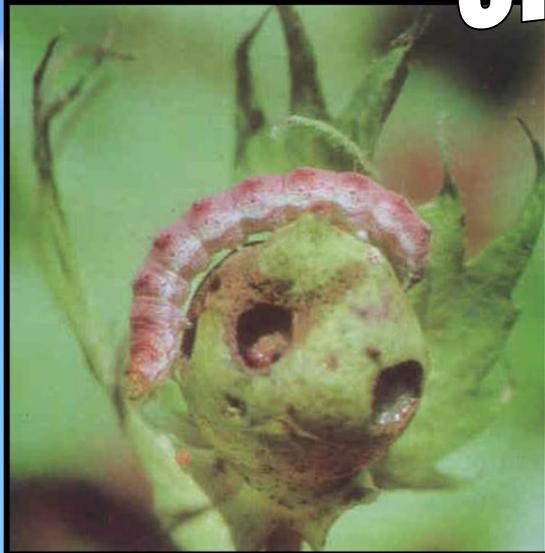


Posturas

Lagarta das maçãs, *Chloridea virescens*

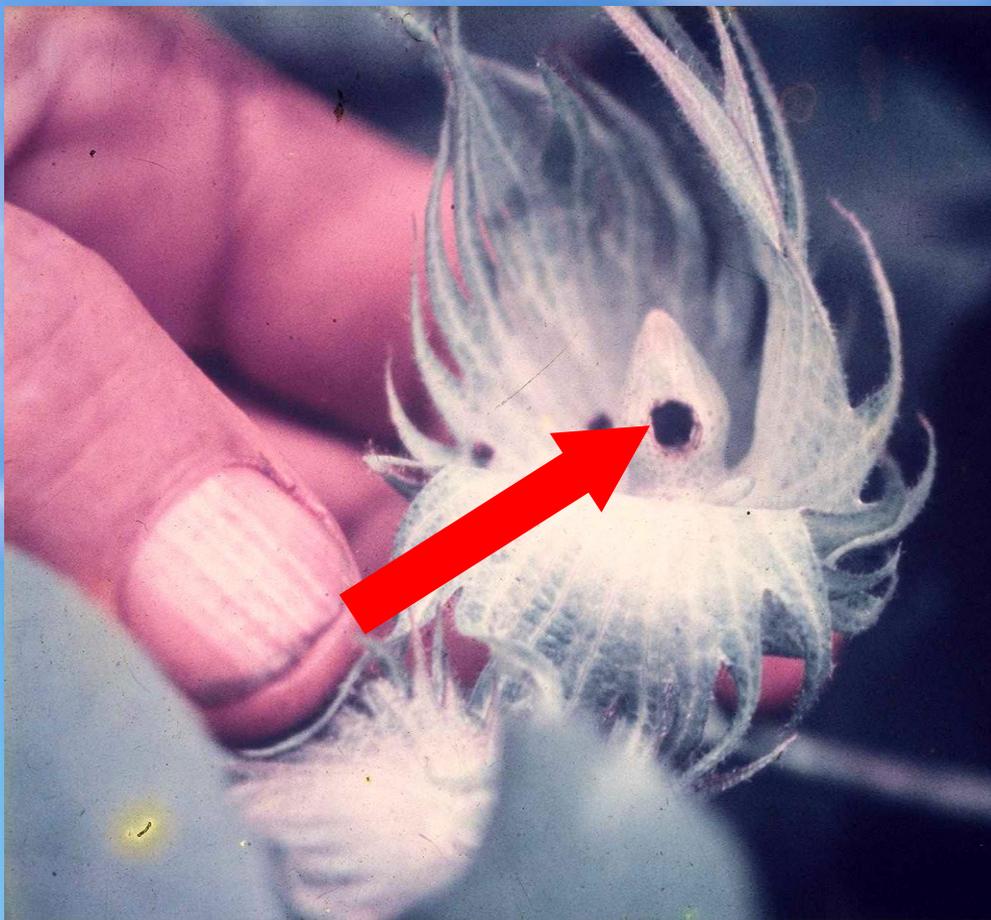


Clima quente e seco



Lagarta das maçãs, *Chloridea virescens*

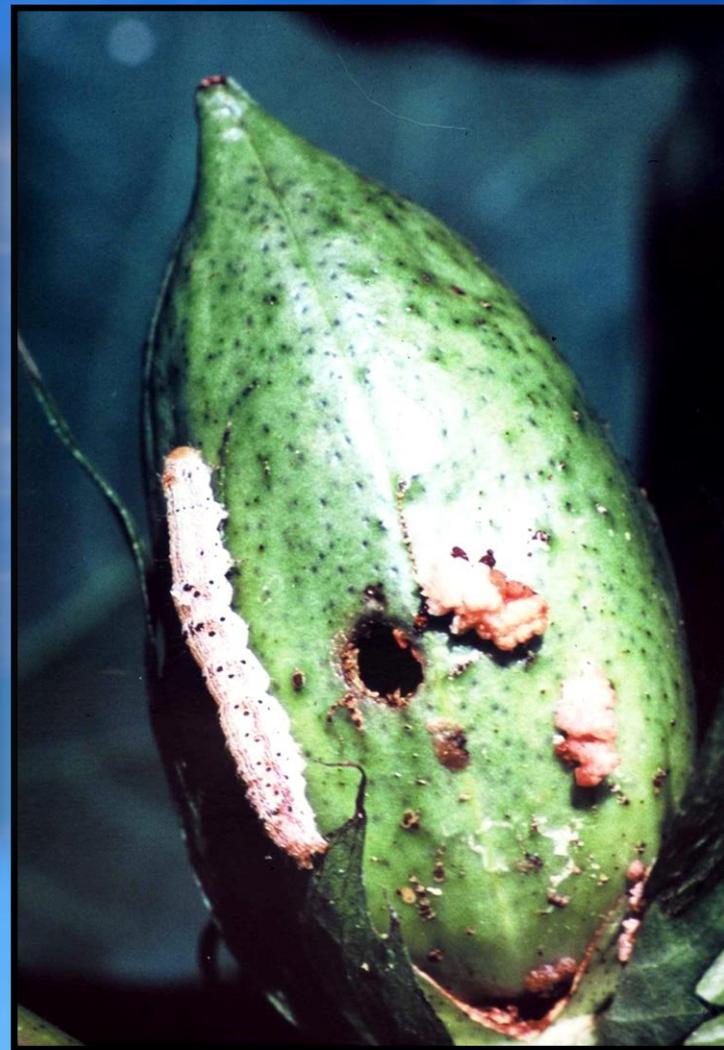
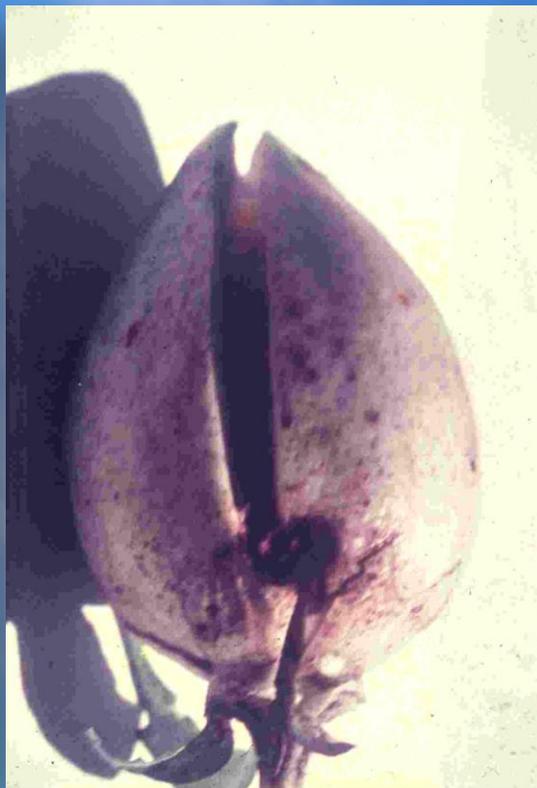
Danos nos botões florais



Lagarta das maçãs, *Chloridea virescens*

Danos nas maçãs (frutos)

"Carimã"



Lagarta Rosada

Pectinophora gossypiella



Lagarta Rosada

Pectinophora gossypiella



Adulto

Lagarta Rosada

Pectinophora gossypiella

Postura



Lagarta Rosada

Pectinophora gossypiella

Ciclo
Biológico
e
Danos



Lagarta Rosada

Pectinophora gossypiella

Danos no botão floral
“Flor Roseta”



Lagarta Rosada

Pectinophora gossypiella

Danos nas maçãs



Destruição da maçã

Lagarta Rosada

Pectinophora gossypiella

Danos

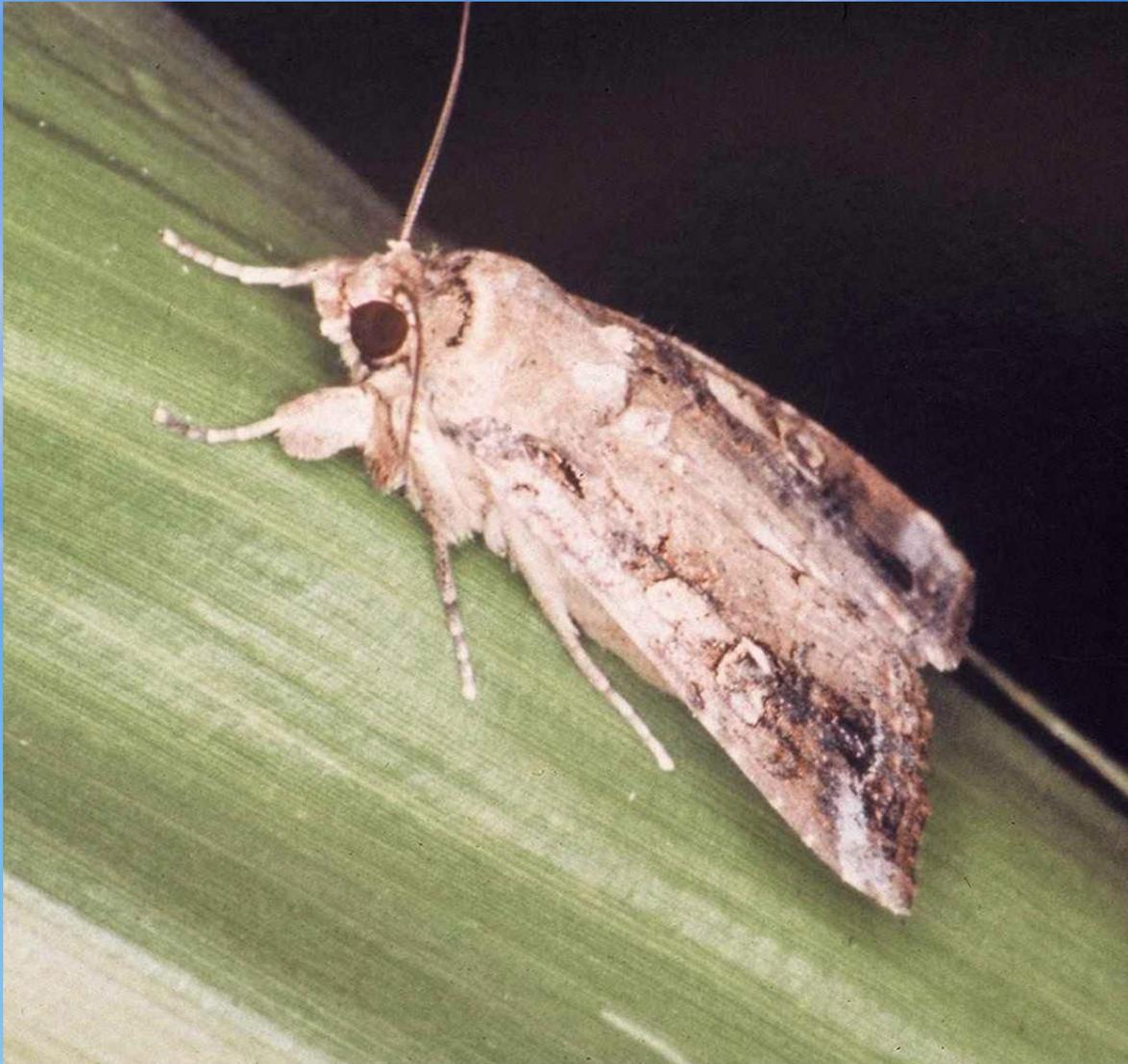
"Carimã"



UC Statewide IPM Project
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Lagarta do Cartucho do Milho

Spodoptera frugiperda



Lagarta do Cartucho do Milho

Spodoptera frugiperda

Danos nos botões florais e maçãs



Lagarta - *Helicoverpa armigera*

Danos nos botões florais e maçãs



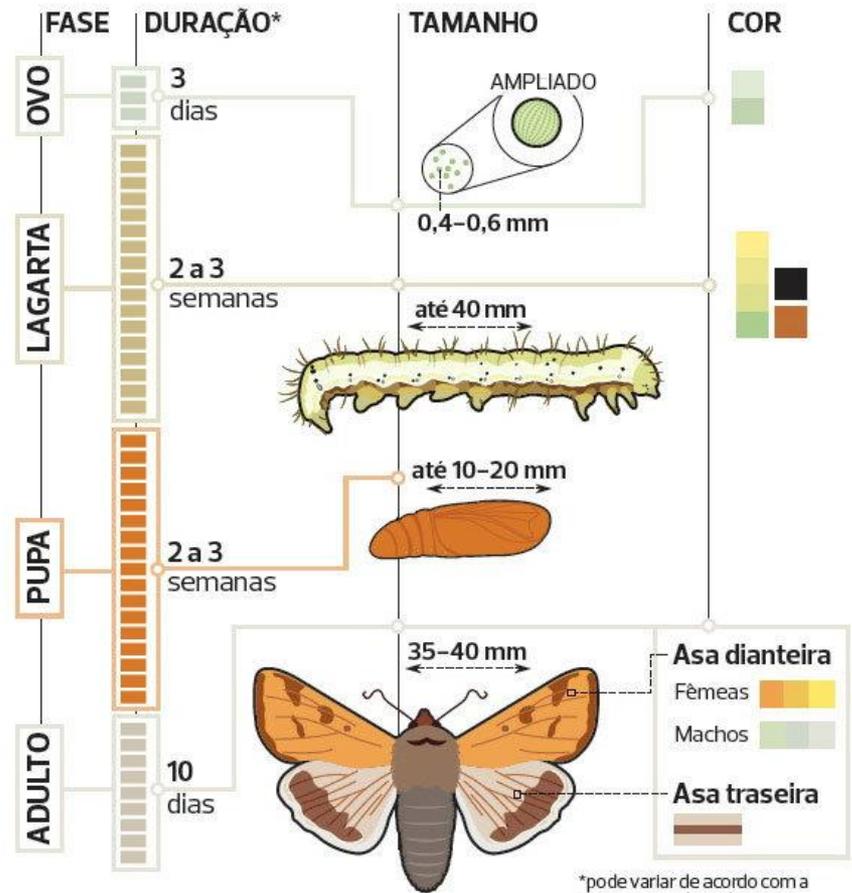
Lagarta - *Helicoverpa armigera*

Infestação brasileira

Regiões com incidência da praga



Ciclo de vida (40-45 dias)





Percevejos





Percevejo rajado

Horcias nobilellus



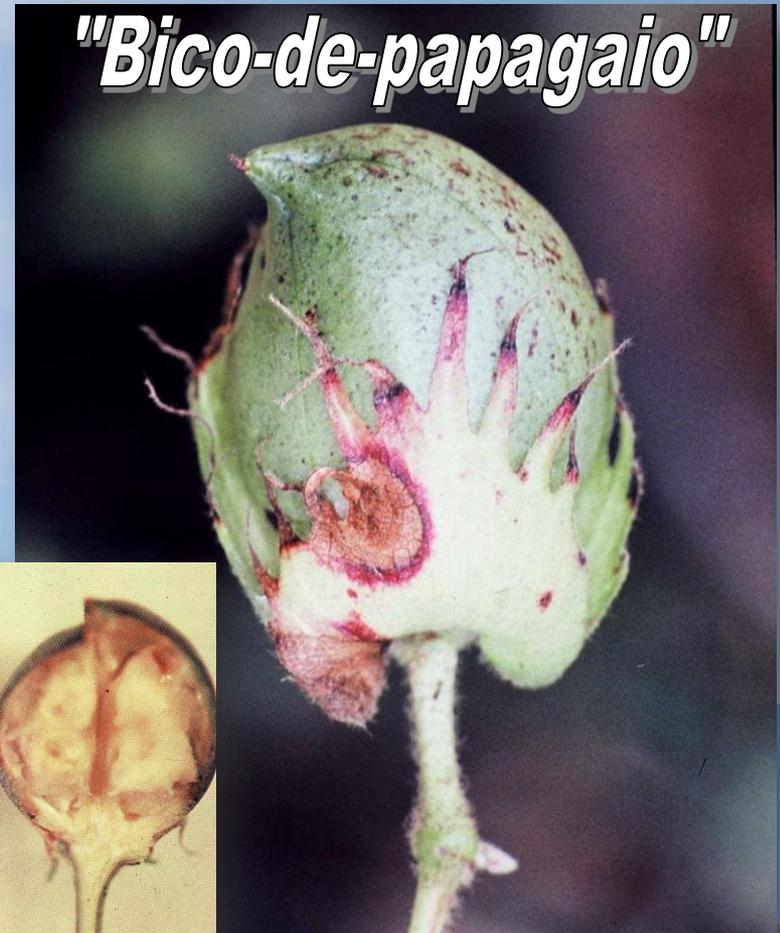
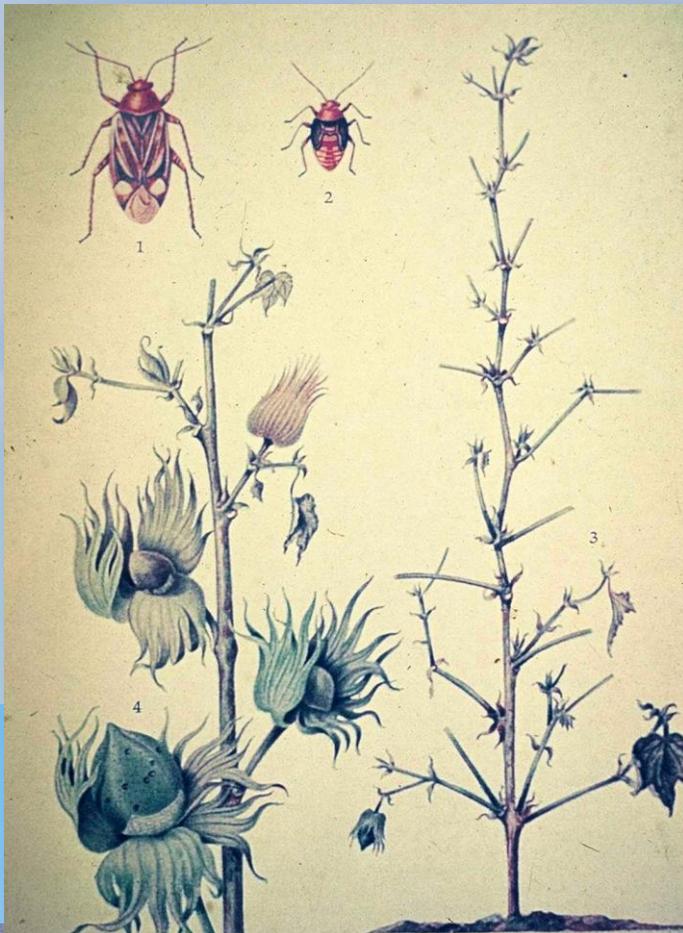
Descrição e Bioecologia



Percevejo rajado

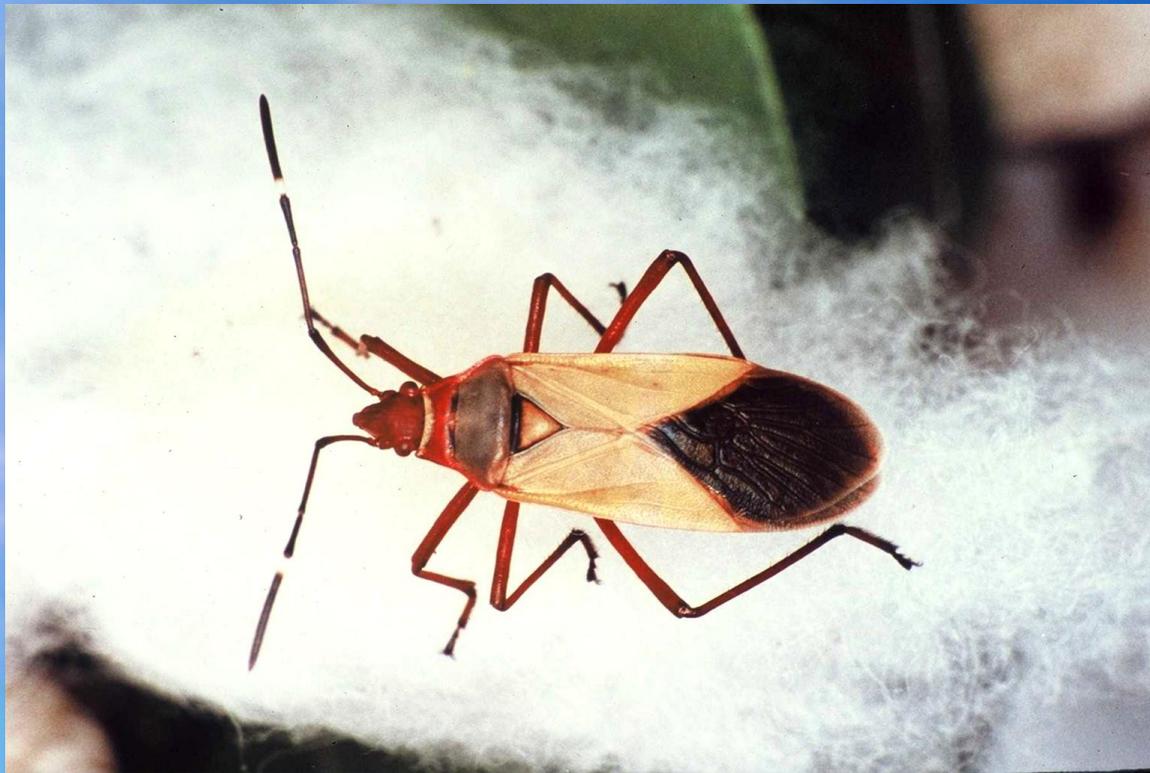
Horticola nobilellus

Danos nos ramos e maçãs



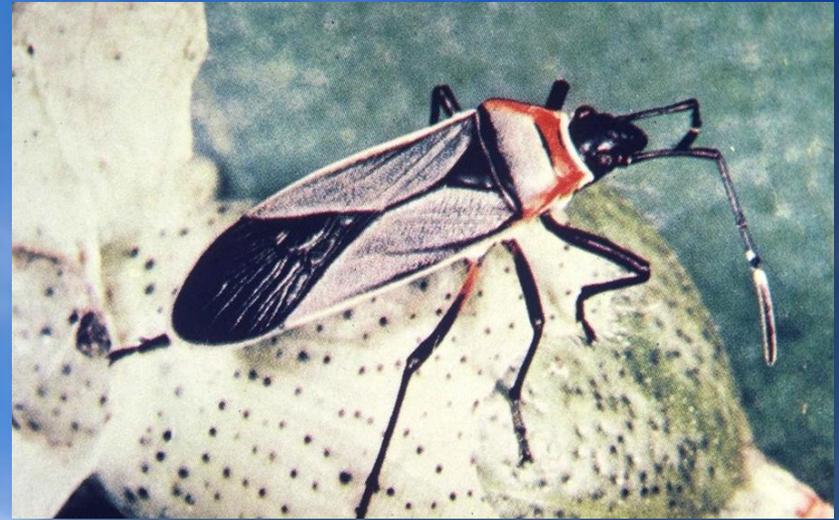
Percevejo manchador

Dysdercus spp.

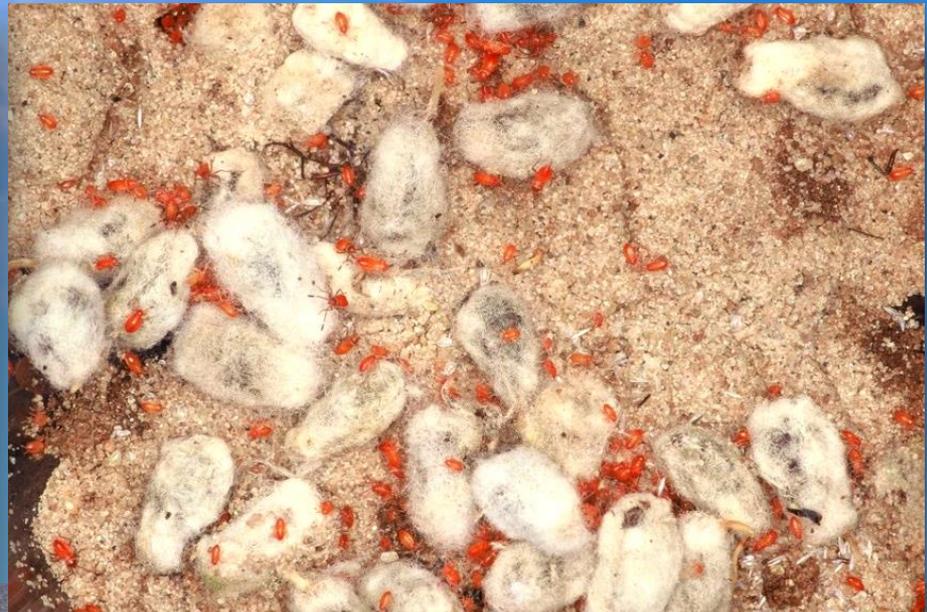


Descrição e Bioecologia

Adultos



Ninfas





Percevejo manchador

Dysdercus spp.

Danos



Percevejos da soja



Edessa meditabunda



Nezara viridula



Euschistus heros

