



Mississippi 4-H Forestry



Insects and Disease

Identification

PPB4-0001.00

Test Slide Set: Insects ₁



Compiled By
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Extension Professor
Department of Forestry



Presentation

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MSU-ES Support Services

AV Reference Room Manager/Information & Graphics Technician

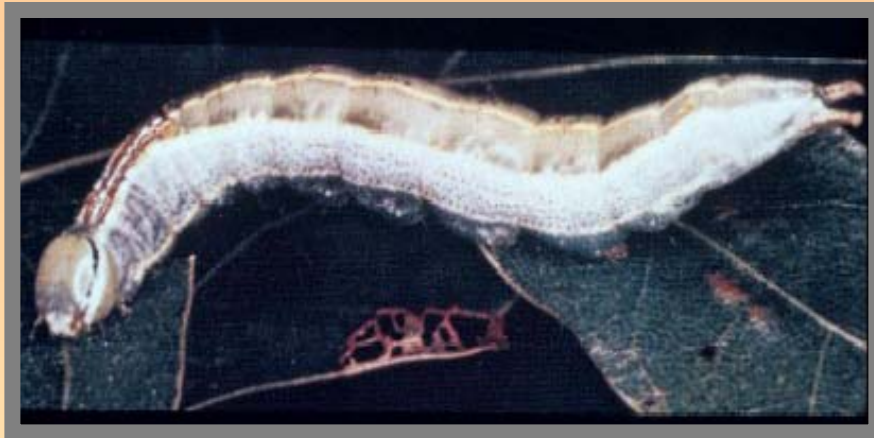


Mississippi State
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Forest



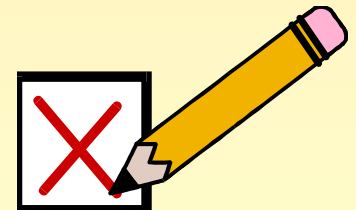
Insects

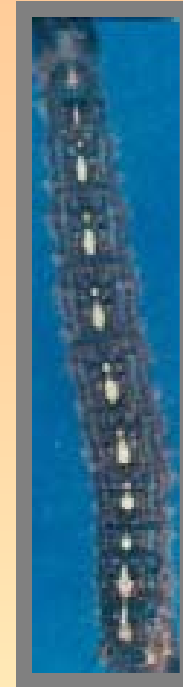
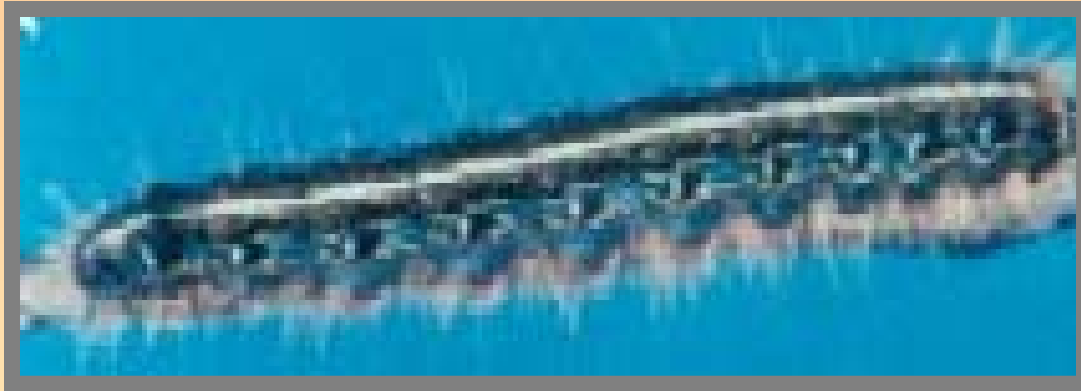


The above pictures are examples of what type of insect:

- Spiney Elm Caterpillar (SEC)
- Variable Oak Leaf Caterpillar (VOLC)
- Fall Webworm (FW)
- GM Caterpillar

Please check one box:

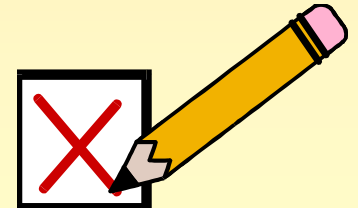


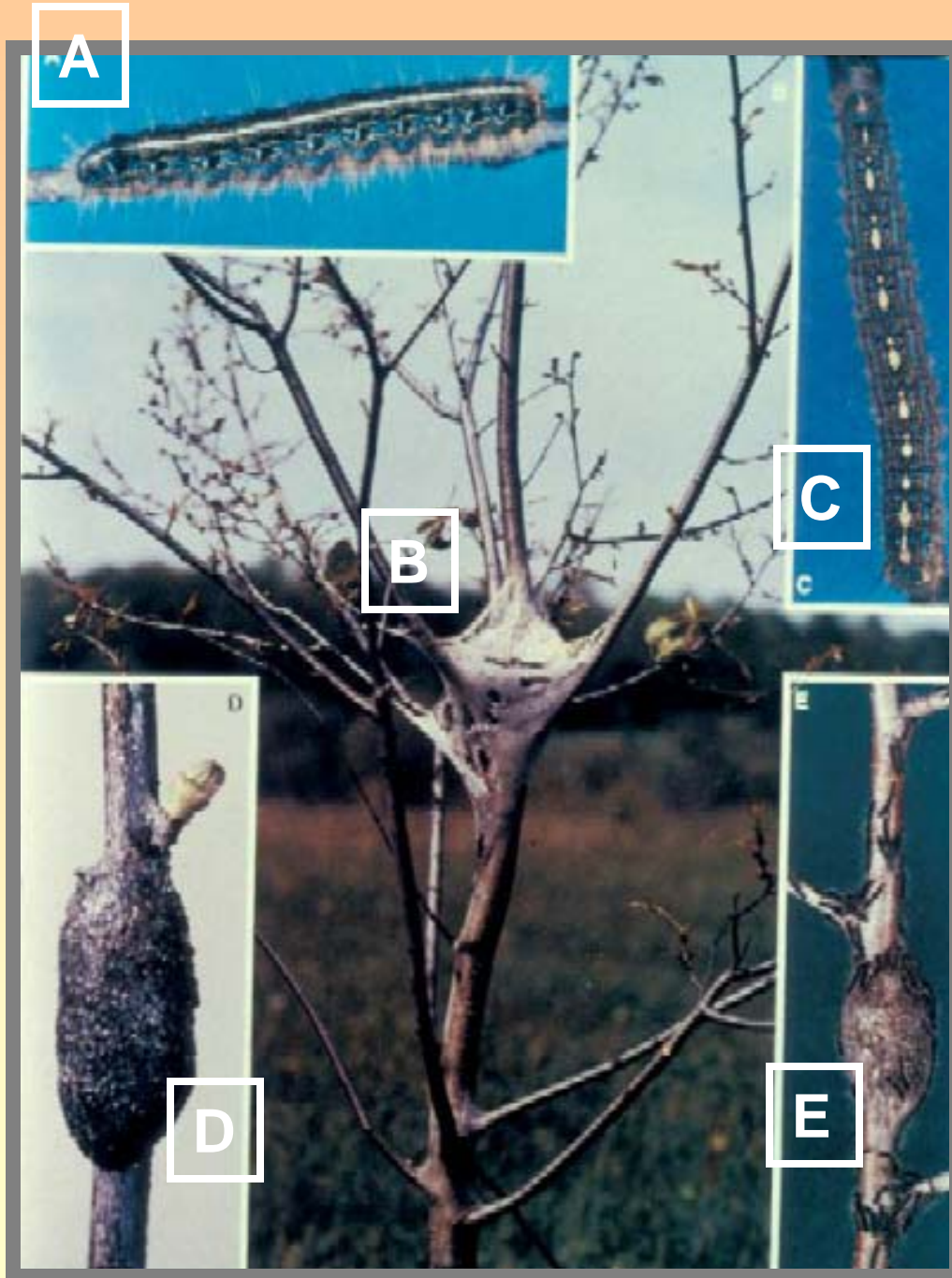


The above pictures are examples of what type of insect:

- GM Caterpillar
- Variable Oak Leaf Caterpillar (VOLC)
- Eastern Tent Caterpillar (ETC)
- Spiney Elm Caterpillar (SEC)

Please check
one box:





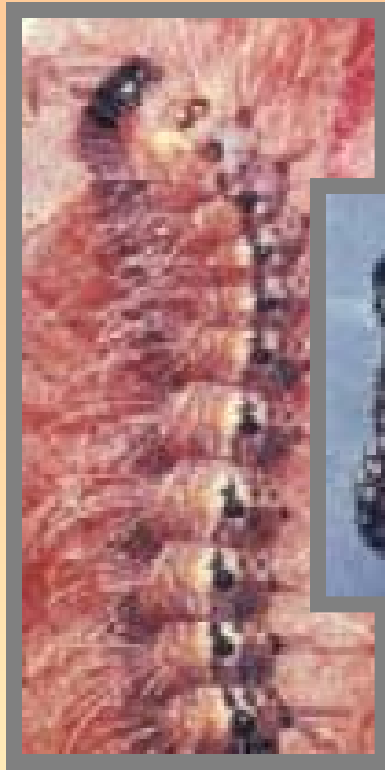
**Please Match
the Pictures to
the Correct
Items:**

ETC Nest

Egg Mass

Caterpillar

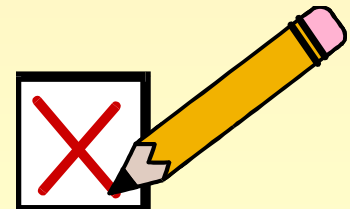
Caterpillar

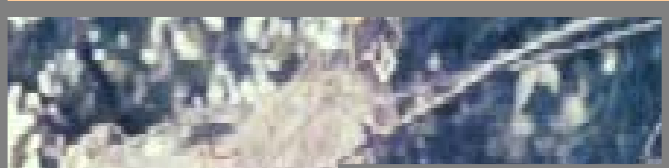
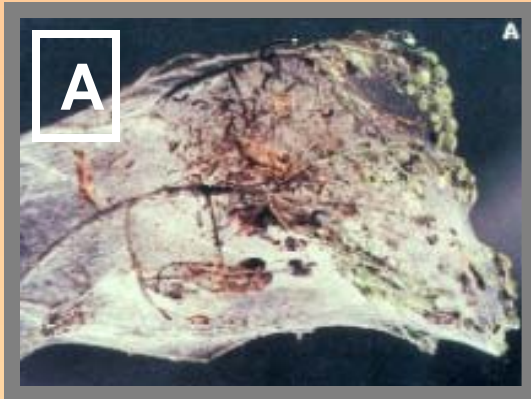


The above pictures are examples of what type of insect:

- GM Caterpillar
- Fall Webworm (FW)
- Eastern Tent Caterpillar (ETC)
- Spiney Elm Caterpillar (SEC)

Please check
one box:





Please Match the Pictures to the Correct Items:

FW Adult

FW Nest

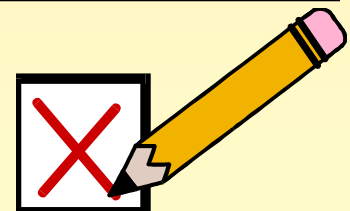
FW Nest



The above pictures are examples of what type of insect:

- Periodic Cicada**
- Mourning Cloak Butterfly**
- Tussock Moths**
- Gypsy Moth (GM)**

**Please check
one box:**





What are the correct names for the above insects:

A. _____

B. _____

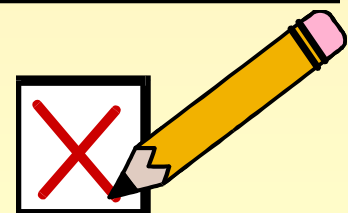
Fill in the blank



The above pictures are examples of what type of insect:

- Periodic Cicada Caterpillars**
- Elm Caterpillars**
- Tussock Moth Caterpillars**
- Gypsy Moth Caterpillars**

**Please check
one box:**





Please Match the Pictures to the Correct Items:

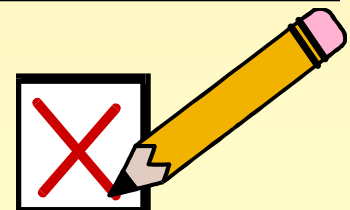
- Hickory Tussock Moth Caterpillar (HTM)
- Sycamore Tussock Moth Caterpillar
- Western Tussock Moth Caterpillar



The above picture is an example of what type of insect:

- Spiney Elm Caterpillars (SEC)
- Elm Caterpillars
- Tussock Moth Caterpillars
- Gypsy Moth Caterpillars

Please check
one box:

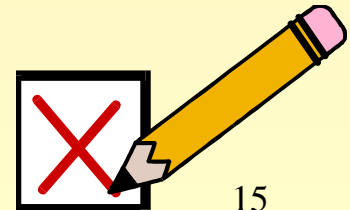




The above picture is an example of what type of insect:

- Tussock Moth
- Gypsy Moth (GM)
- Periodic Cicada
- SEC Adult (Mourning Cloak Butterfly)

Please check
one box:

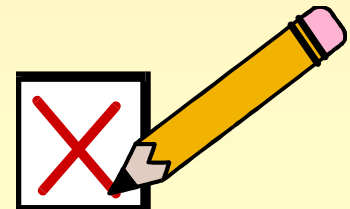




The above picture are examples of what type of insect:

- Tussock Moth
- Gypsy Moth (GM)
- Periodic Cicada
- SEC Adult (Mourning Cloak Butterfly)

Please check
one box:

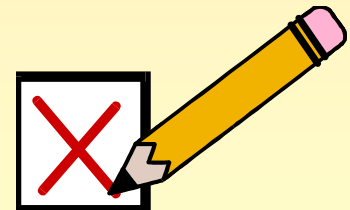


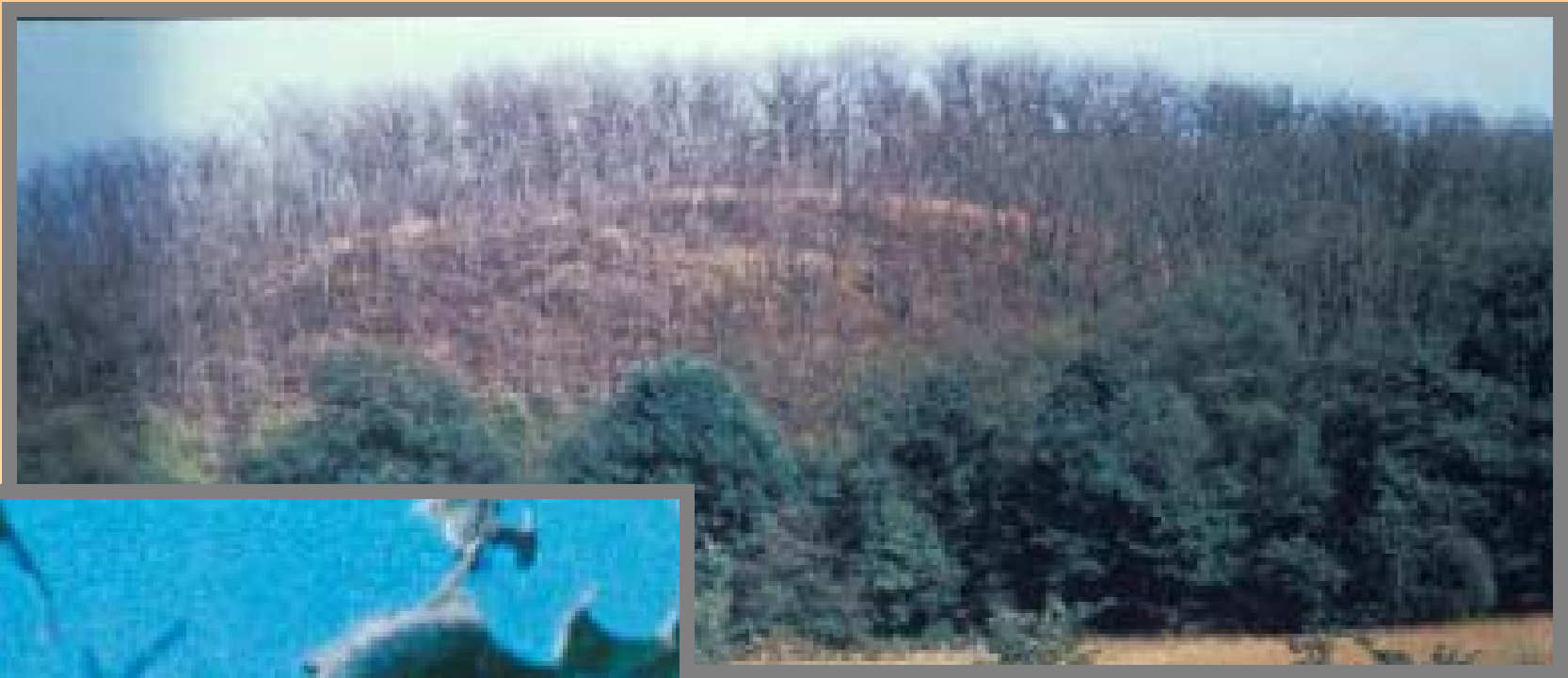


The above pictures are examples of what type of insect:

- Gypsy Moth (GM) Caterpillar
- Spiney Elm Caterpillar (SEC)
- FW Caterpillar (FW)
- Tussock Moth Caterpillar

Please check
one box:



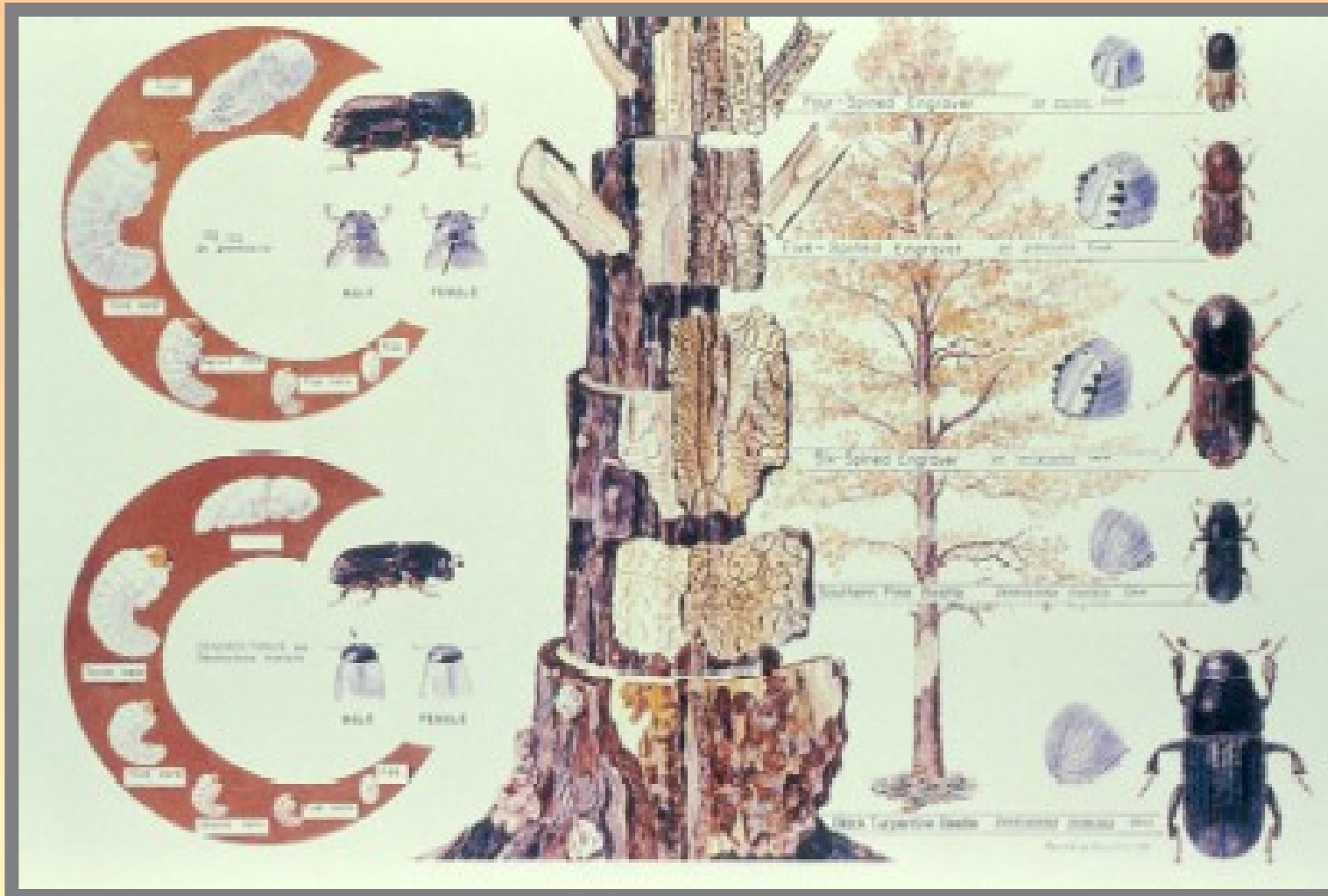


The above pictures are the work of what type of insect:

- Gypsy Moth (GM)
- Spiney Elm Caterpillar (SEC)
- FW Caterpillar (FW)
- Tussock Moth Caterpillar

Please check one box:





**This is a picture of the life cycle of
what kind of beetles?**

Fill in the blank



**This is a picture of an adult
Beetle**

Fill in the blank



This is an example of a

entry into host tree

Fill in the blank



**This is a picture
of what kind of
adult beetle?**

Fill in the blank

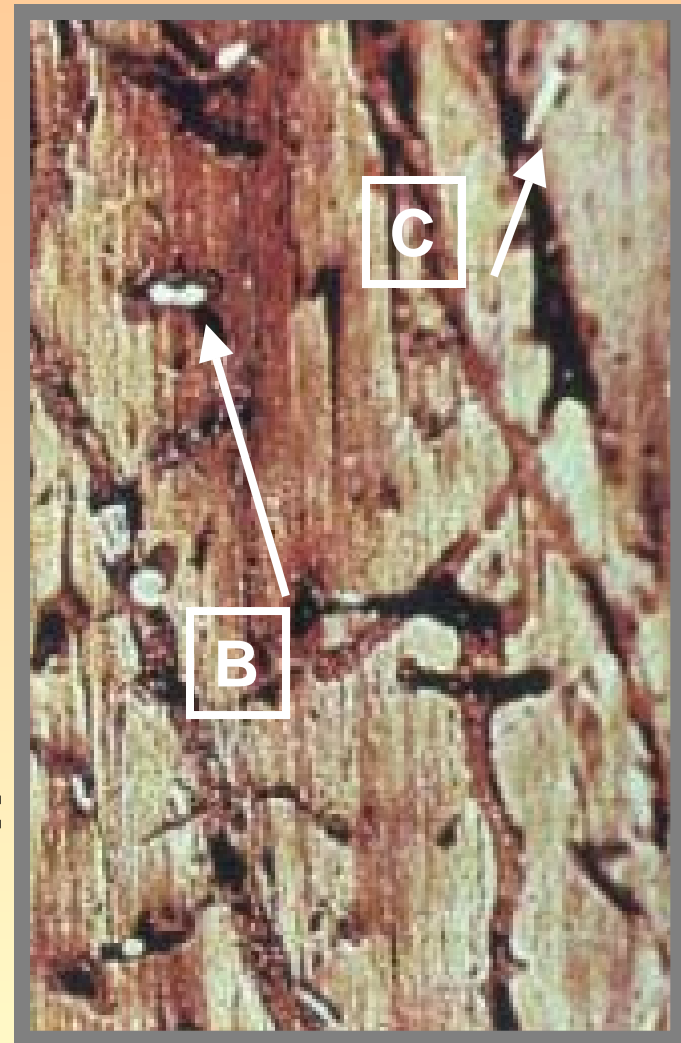


Please identify the labeled items in the pictures:

A. _____

B. _____

C. _____



Fill in the blank



**This is a picture of an
adult _____ Beetle.**

Fill in the blank



This is a picture of

Fill in the blank



This is a picture of a

Fill in the blank



**These pictures
are examples of what type of insect:**

- Gypsy Moth (GM)**
- Periodic Cicada**
- White Oak Borer (WOB)**
- Tussock Moth**

**Please check
one box:**





**Injury to this
Maple has
been caused
by what insect:**

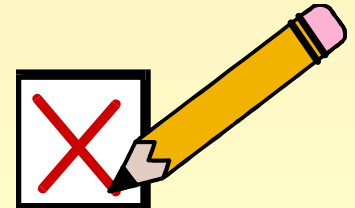
Fill in the blank

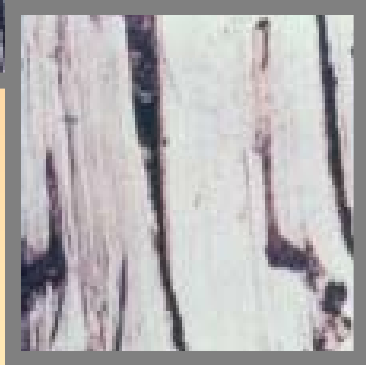


The above pictures are examples of what type of insect:

- Southern Pine Beetle (SPB)
- IPS Beetle
- White Oak Borer (WOB)
- Black Turpentine Beetle

Please check
one box:

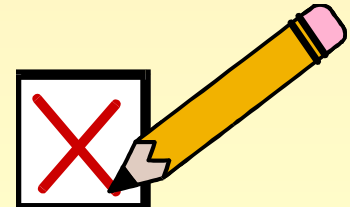




The above injuries are caused by what type of insect:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- White Oak Borer (WOB)**
- Black Turpentine Beetle**

Please check one box:

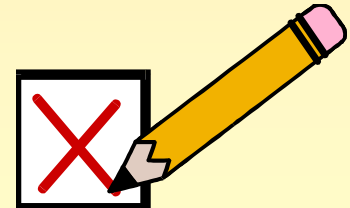




The above pictures are examples of what type of insect:

- Southern Pine Beetle (SPB)
- IPS Beetle
- White Oak Borer (WOB)
- Locust Borer (LB)

Please check one box:

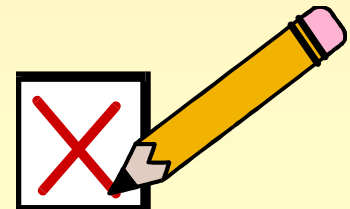


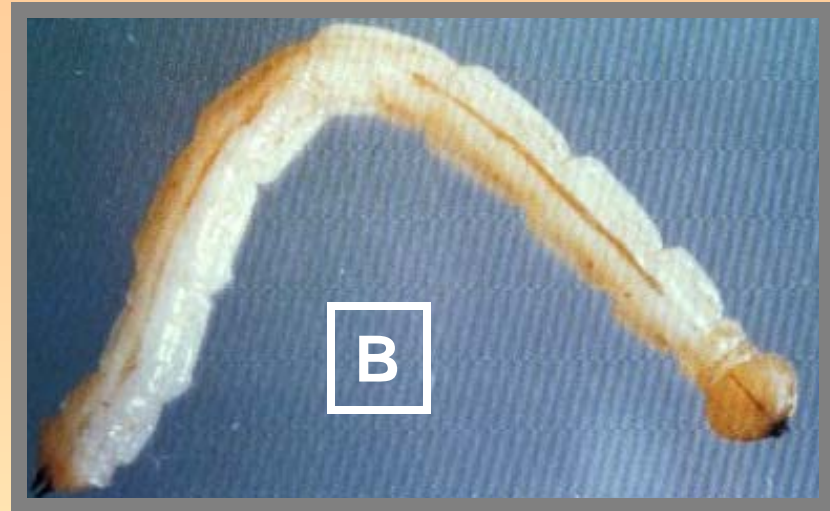


The above injuries are caused by what type of insect:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- White Oak Borer (WOB)**
- Locust Borer (LB)**

**Please check
one box:**





Please identify the pictures:

A. _____

B. _____

C. _____

Fill in the blank



**This is an
example of an
adult**

**and
leaf
injury**

Fill in the blank



**This is an
example of an
adult**

**and
leaf
injury**



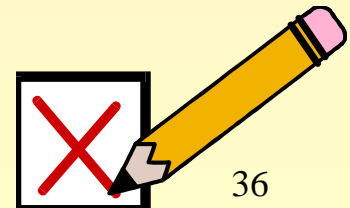
Fill in the blank

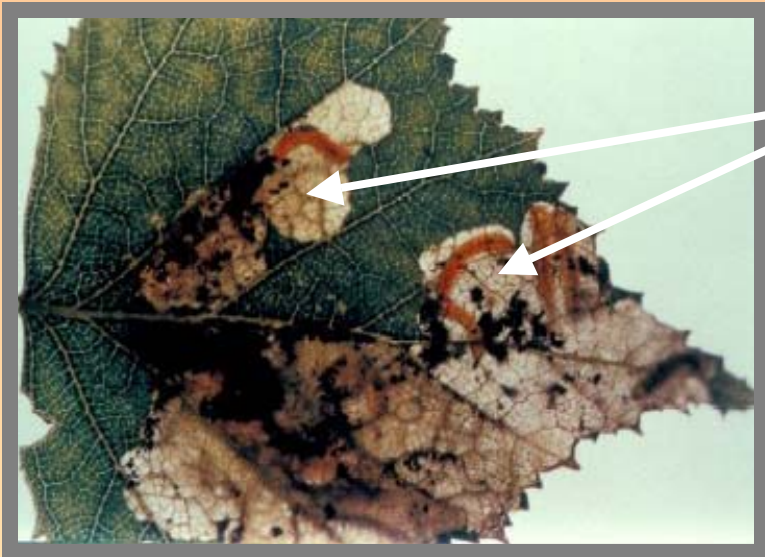


The above pictures are examples of what type of insect:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- Birch Leafminer (BL)**
- Locust Borer (LB)**

**Please check
one box:**





This is the larvae of what type of insect:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- Birch Leafminer (BL)**
- Locust Borer (LB)**



This damage is caused by what type of insect:

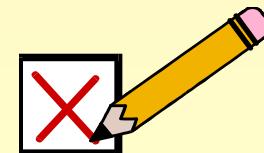
- Southern Pine Beetle (SPB)**
- IPS Beetle**
- Birch Leafminer (BL)**
- Locust Borer (LB)**



These are examples of:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- Bagworm Pupal Cases and Pupa**
- Locust Borer (LB)**

**Please
check one
box:**

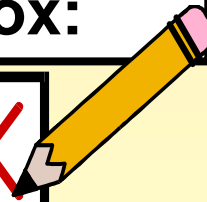


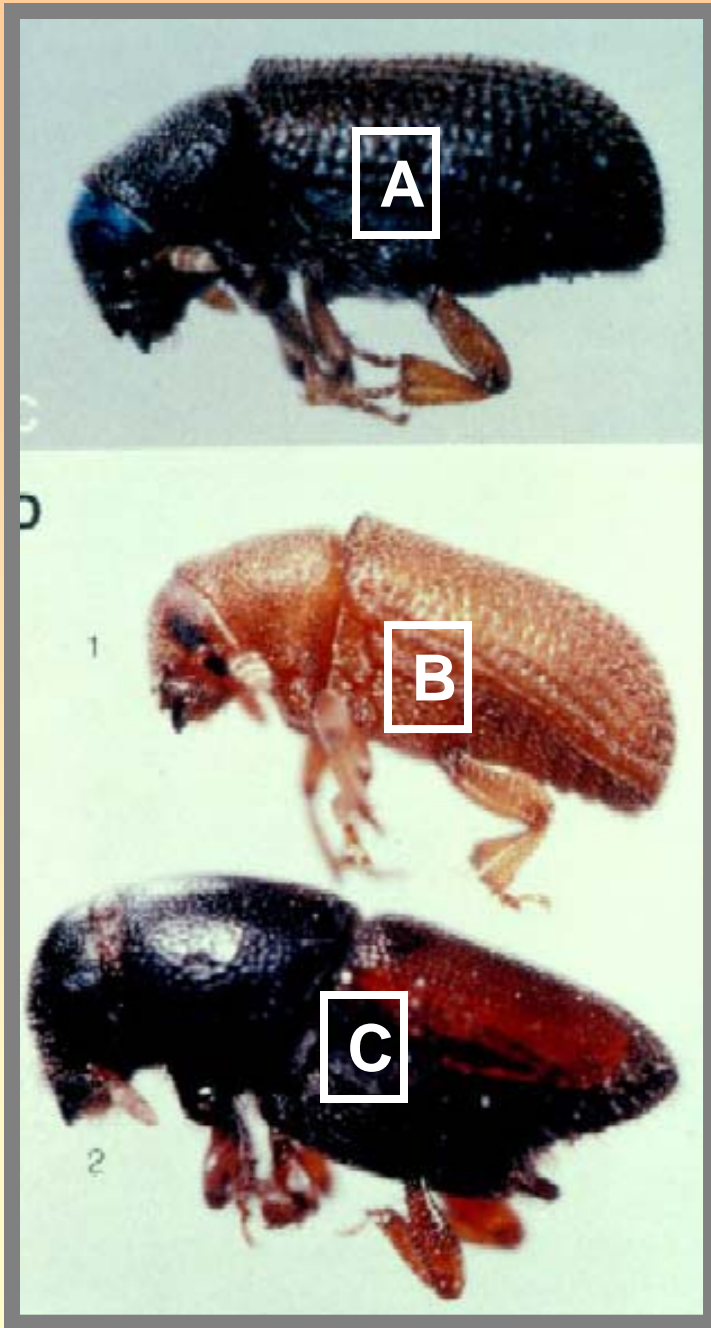


These are examples of:

- Southern Pine Beetle (SPB)
- IPS Beetle
- Types of Elm Bark Beetles
- Locust Borer (LB)

Please
check one
box:





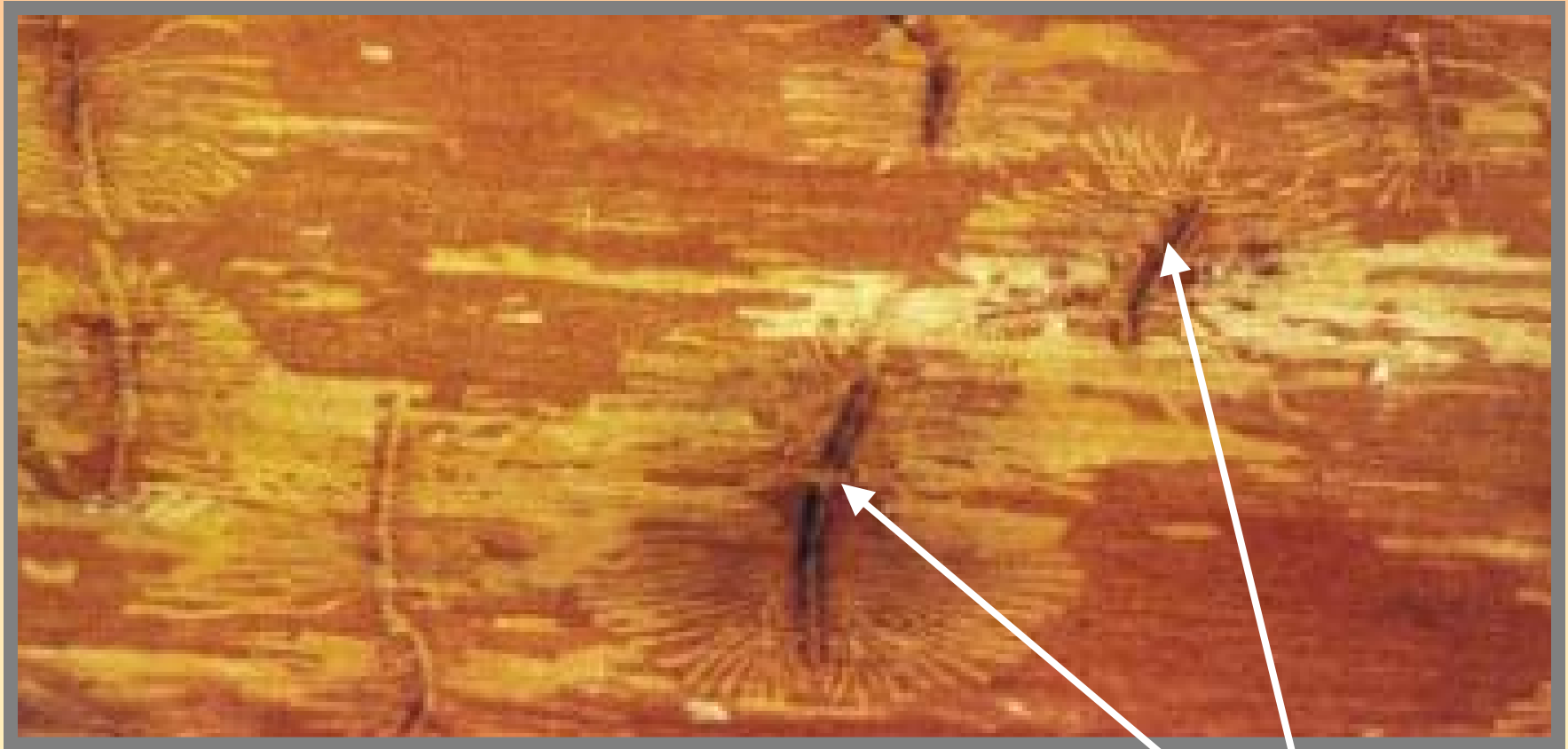
**Please identify
these beetles:**

A. _____

B. _____

C. _____

Fill in the blank



These are brood galleries of:

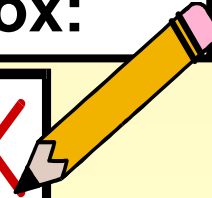
Fill in the blank

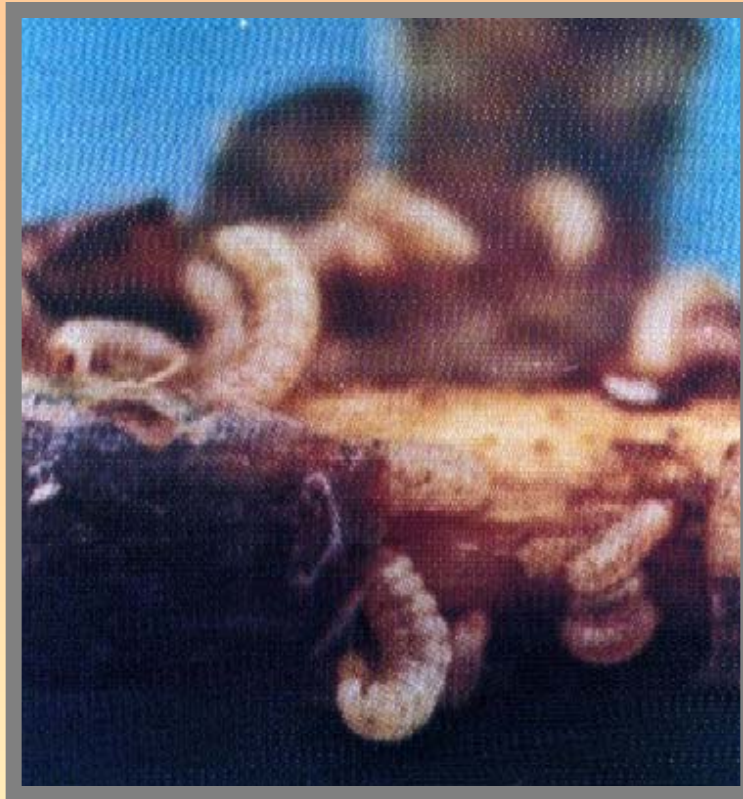


The above pictures are examples of what type of insect:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- White Pine Weevil (WPW)**
- Locust Borer (LB)**

**Please
check one
box:**

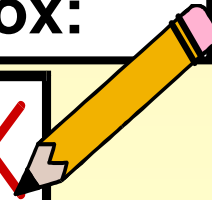




The above picture is an example of what type of larvae:

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- White Pine Weevil (WPW)**
- Locust Borer (LB)**

**Please
check one
box:**

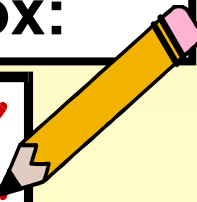




The above injury/damage is caused by what insect?

- Southern Pine Beetle (SPB)**
- IPS Beetle**
- White Pine Weevil (WPW)**
- Locust Borer (LB)**

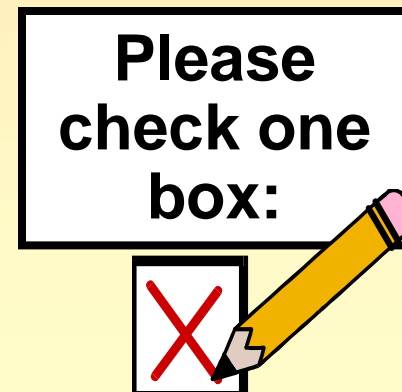
**Please
check one
box:**





The above pictures are examples of what type of insect:

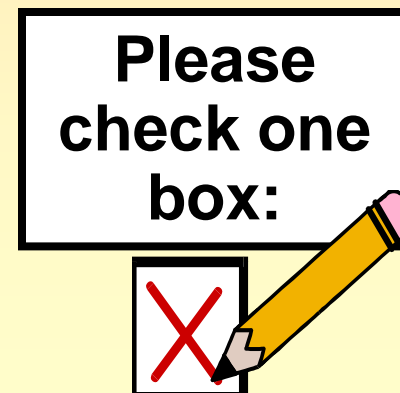
- Southern Pine Beetle (SPB)**
- Pales Weevil (PW)**
- White Pine Weevil (WPW)**
- Locust Borer (LB)**





The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)
- Pales Weevil (PW)
- Texas Leaf Cutting Ant
- Walking Stick (WS)





The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)
- Adult Larch Sawfly
- Texas Leaf Cutting Ant
- Walking Stick (WS)

Please
check one
box:





The above pictures are examples of what type of insects:

- Slug Oak Sawfly (SOS)
- Adult Larch Sawfly
- Conifer Sawflies (CS)
- Walking Stick (WS)

Please
check one
box:





Identify the examples of CS larvae:

A. _____

B. _____

C. _____

Fill in the blank

Identify the examples of CS larvae:

A

Larva (B)



Larvae (C)

Photo credit: A. H. Rose (Canadian Forestry Service)



Larva (D)

Photo credit: Virginia Division of Forestry



A. _____

B. _____

C. _____

D. _____

Fill in the blank



Identify the examples of CS larvae:

A. _____

B. _____

C. _____

Fill in the blank



**The above damage/injury is caused
by what type of insect:**

- Slug Oak Sawfly (SOS)**
- Adult Larch Sawfly**
- Texas Leaf Cutting Ant**
- Walking Stick (WS)**

**Please
check one
box:**





The above damage/injury is caused by what type of insect: (note larvae in circle)

- Slug Oak Sawfly (SOS)**
- Adult Larch Sawfly**
- Redheaded Pine Sawfly**
- Walking Stick (WS)**

**Please
check one
box:**





The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)**
- Adult Larch Sawfly**
- European Pine Shoot Moth (EPSM)**
- Walking Stick (WS)**

**Please
check one
box:**

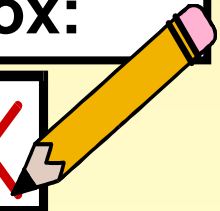


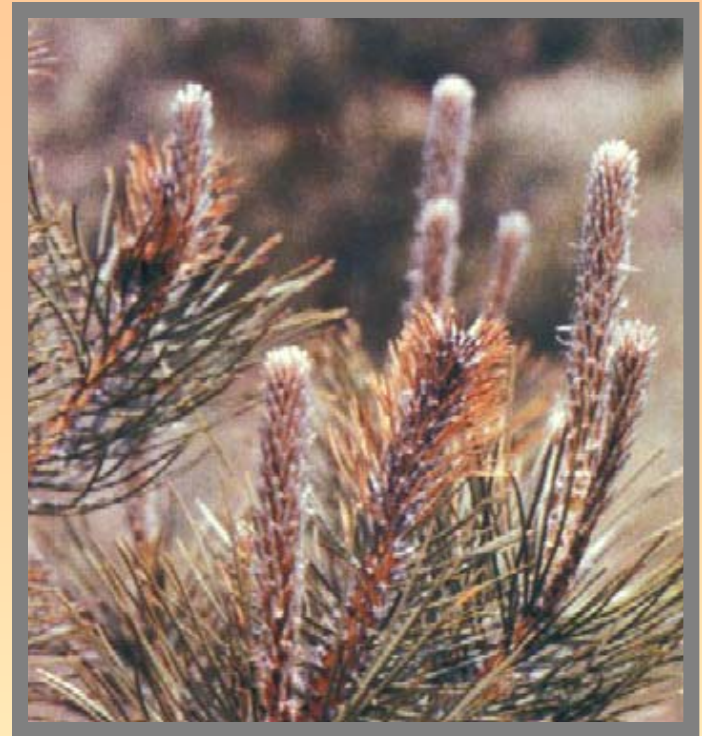


The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)
- European Pine Shoot Moth Pupa (EPSM)
- Conifer Sawflies (CS)
- Walking Stick (WS)

Please
check one
box:

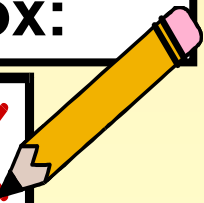
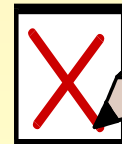




The above damage/injury is caused
by what type of insect:

- Slug Oak Sawfly (SOS)
- European Pine Shoot Moth (EPSM)
- Redheaded Pine Sawfly
- Walking Stick (WS)

Please
check one
box:





**Pitch
accumulation
where**

is feeding

Fill in the blank

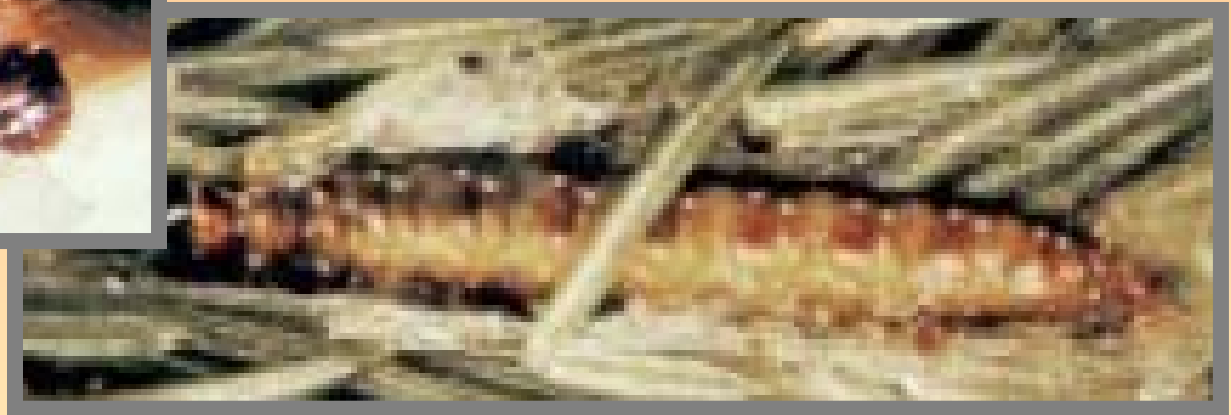


The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)
- European Pine Shoot Moth Pupa (EPSM)
- Spruce Budworm (SB) (adult female)
- Walking Stick (WS)

Please
check one
box:

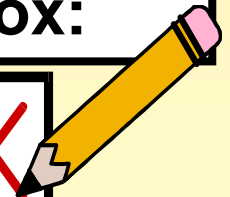
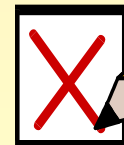




The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)
- European Pine Shoot Moth Pupa (EPSM)
- Spruce Budworm (SB) (larvae)
- Walking Stick (WS)

Please
check one
box:



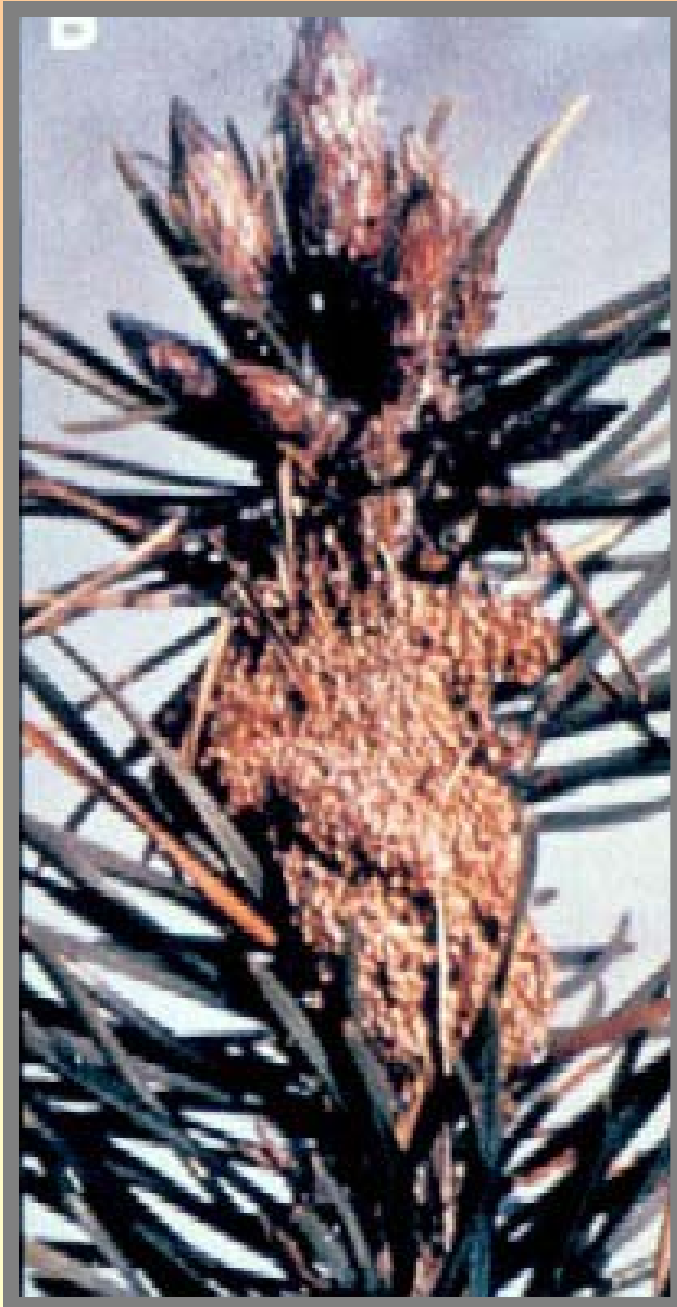


**The above damage/injury is caused
by what type of insect:**

- Slug Oak Sawfly (SOS)**
- Spruce Budworm (SB)**
- Redheaded Pine Sawfly**
- Walking Stick (WS)**

**Please
check one
box:**





**This is the nest of
what kind of insect?**

Fill in the blank



The picture to the left shows Pine Webworm (PW)

- A. _____
B. _____
C. _____

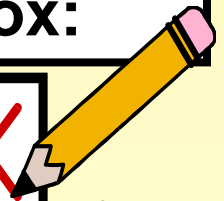
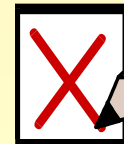
Fill in the blank



The above picture is an example of what type of insect:

- Slug Oak Sawfly (SOS)
- European Pine Shoot Moth Pupa (EPSM)
- Spruce Budworm (SB) (larvae)
- Nantucket Pine Tip Moth (NPTM) adult

Please
check one
box:

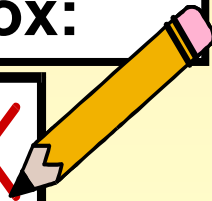
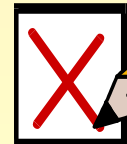




**The above damage/injury is caused
by what type of insect:**

- Slug Oak Sawfly (SOS)**
- Nantucket Pine Tip Moth (NPTM)**
- Redheaded Pine Sawfly**
- Walking Stick (WS)**

**Please
check one
box:**



The

End



Mississippi State
UNIVERSITY
Extension
SERVICE