

PONDEROSA PINE BARK BEETLE

SIGNS & SYMPTOMS

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**Did you know? ...
Bark Beetles are
phloem feeding
insects.**

**Ips pini (left) actual size 3-5mm,
Ips calligraphus (right) actual
size 5mm.**



**Ips pini adults and larvae under ponderosa
pine bark. Note engraving of sapwood.**





Ips larva, pupa, and adult (left).



Boring dust on ponderosa pine bark.



Pitch tubes on ponderosa pine (*Ips* spp.) left, *Dendroctonus barberi* (right).



Did you know?...
The red turpentine beetle is
the largest (*D. valens*) (6-
10mm)
and most widely
distributed bark beetle in
North America.



Red turpentine beetle pitch tube (top) and larvae (bottom).





**Ips spp. (top left) and
D. barberi (right top)
galleries on ponderosa
pine.
Blue stain fungi (right
bottom)**



Fading ponderosa pine trees due to bark beetle attack.



**Ips pini. brood
(eggs, larvae, adult)
(bottom) collected from
felled PIPO logs (top).**