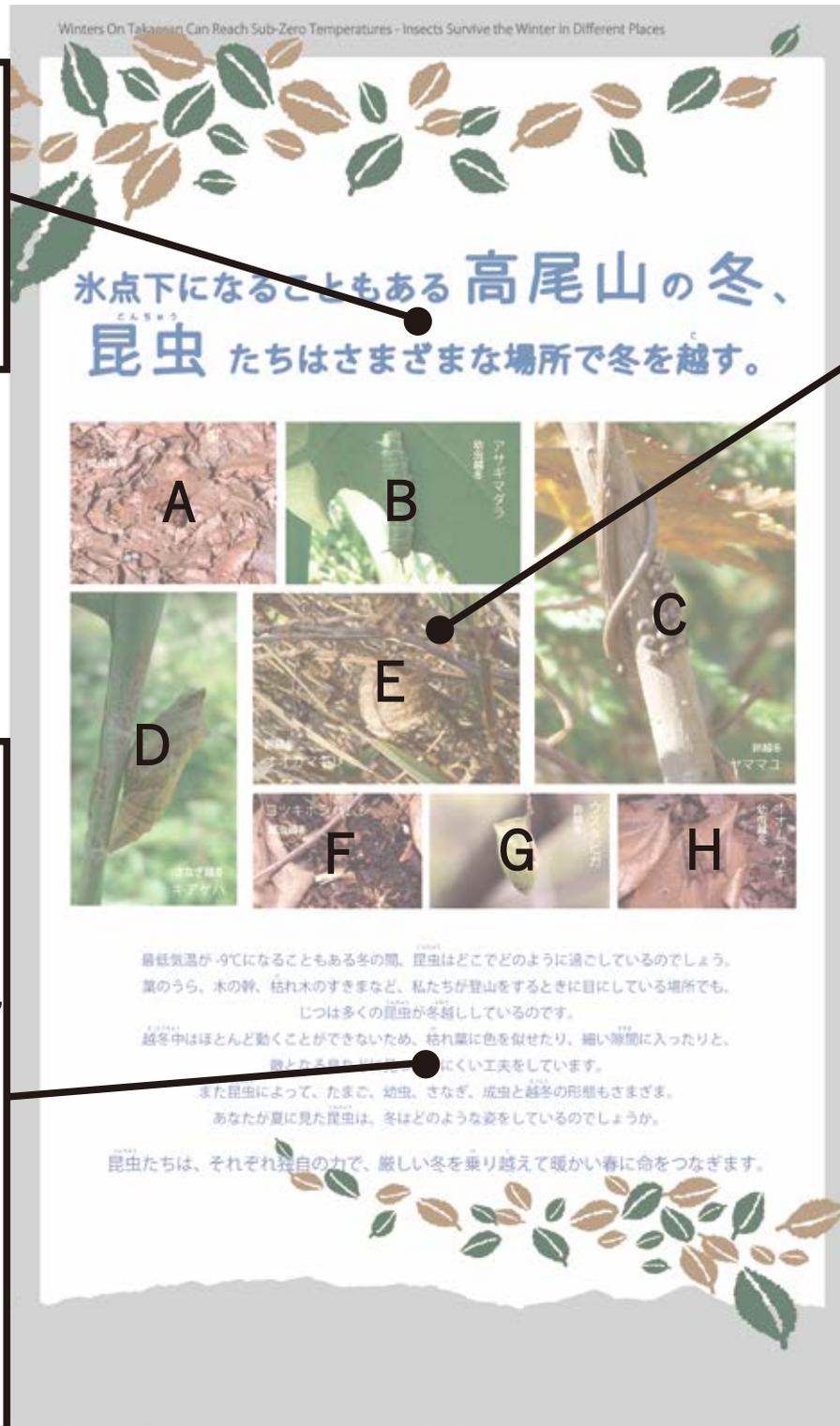


Winters On Mt. Takao Can Reach Sub-Zero Temperatures - Insects Survive the Winter in Different Places

What do insects do in the winter where temperatures can reach as low as -9°C? Insects survive the winter in places we see when we are hiking up the mountain, such as under leaves, in tree bark and inside hollow spaces in dead trees. Since they rarely move while overwintering, insects find creative ways or places to hide themselves from predators like birds, such as disguising themselves to look like dead leaves or crawling into narrow spaces. Insects overwinter in various stages, including eggs, larvae, pupae or adults. What do the insects you saw in summer look like in winter? Insects have their specialized abilities to survive harsh winters and make it to the warm spring season.



- A Butterfly (*Libythea lepita*)
Overwinter as adults
- B Butterfly (*Parantica sita*)
Overwinter as larvae
- C Moth (*Antheraea yamamai*)
Overwinter as eggs
- D Swallowtail (*Papilio Machaon*)
Overwinter as pupae
- E Mantis (*Tenodera sinensis*)
Overwinter as eggs
- F Leaf beetle (*Hamushia eburata*)
Overwinter as adults
- G Moth (*Rhodinia fugax*)
Overwinter as cocoon
- H Butterfly (*Sasakia charonda*)
Overwinter as larvae