

Description

Mistletoes take

years to grow...

factors can be fatal.

Dwarf mistletoes weaken trees by slowly

robbing them of food and water. The top of

the tree will start to decline as the infected

branches below take more and more food.

Eventually, there are not enough branches for

the tree to survive. Infected trees usually do not

die, but mistletoes plus other insect or climatic

Dwarf mistletoes are small, leafless, parasitic flowering plants that are a common problem in western forests. Dwarf mistletoes spread slowly from tree to tree and are mostly found on lodgepole, limber, pinyon, ponderosa pines, and Douglas fir.

have roots!

Dwarf mistletoes grow in the bark, phloem, and wood of the tree. The parasite produces root like structures called "sinkers" that take the nutrients from the host tree. A shoot will die as soon as the branch is cut.

Their shoots

Branch or broom?

As the parasite's sinkers become more extensive, a distorted branching habit called a "witches' broom" may form. This will take years to occur.

Those seeds can really fly!

Seeds explosively discharge from the fruit at almost 60 mph! They are sticky and adhere to any surface they strike.



Left: The ripe fruits of a dwarf mistletoe shoot

General Life Cycle

Seeds are dispersed in August and early

Seeds land on conifer needles.

Rain washes them onto twigs.

Seeds germinate and infect the twig.

A swelling appears two years later.

Fruits mature after two more years.

Shoots appear after another two years.

September.

Below: A seed being discharged



Management

Dwarf mistletoes are not quick killers. Therefore, long-term management practices such as pruning, removing infected trees, and planting nonhost species are the best solutions.



