

Dead needles, twigs and branches are important aerial fuels. Concentrations of such fuels, as found in insect and disease-ridden stands, may carry fire from tree to tree.

Fires in the crown can be divided into three classes:

- 1. PASSIVE CROWN FIRES are those in which trees torch as individuals, reinforcing the spread rate, but not basically different from surface fires.
- 2. ACTIVE CROWN FIRES are those in which a solid flame develops in the crowns, but the surface and crown phases advance as a linked unit dependent on each other.
- 3. INDEPENDENT CROWN FIRES is one that advances in the crowns alone. This rare event has never been accurately documented.