

Pest Alert

FOREST SERVICE--U.S. DEPARTMENT OF AGRICULTURE
IN COOPERATION WITH YOUR STATE AGENCY

Top dieback of black walnut has been observed in 3-7 year old plantations in Illinois, Indiana, and North Carolina. In infected plantations, mortality has averaged 30% of the trees in one growing season.

The most common symptom is basal sprouting of the affected trees. Other symptoms include wilted leaves, top dieback, and cankers on the main stem. Bark separation and small holes may be present near the cankered areas.

The cause of the dieback has not been conclusively determined; however, a fungus, *Fusarium* sp., has been isolated from cankered areas of some affected trees.

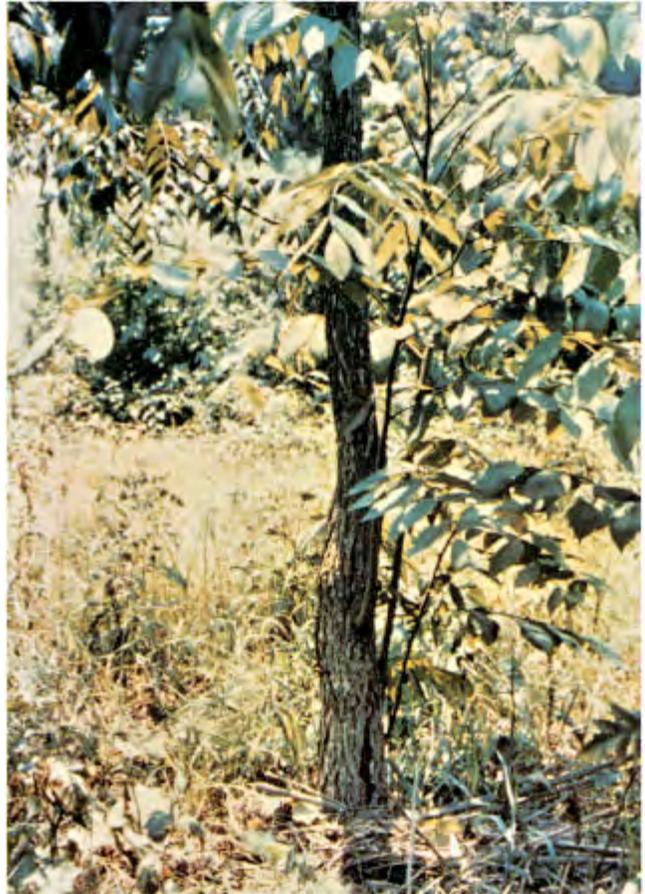
DIEBACK OF BLACK WALNUT SAPLINGS



Top dieback



Stem canker



Basal sprouting

Reports of this disease should be sent to: