## SOME FOREST DISEASES

Disease & Hosts	Main Symptoms	Control Measures
Anthracnose	Leaves & twigs die in the spring.	Chemicals; none practical in
Gloeosporium spp.	Repeated attacks are fatal.	forest management.
Gnomonia spp.		iorest management.
Hardwoods, especially oaks,		
maples, & sycamores		
Armillaria Root Rot	Kills previously stressed trees. Leave	None practical in forest setting.
Armillariella mellea	dwarfing. Crown yellow & thin,	Common fungus in most soils.
"Shoestring" rot.	eventually dies.	Common rangas in most sons.
Hardwoods and softwoods.		
Black Knot of Cherry	Black swellings on twigs, branches	Some chemical treatment
Apiosporina morbosa	and stems. Heavy infection can kill	success. Sanitized pruning.
Cherries, plums, esp. black cherry.	trees, esp. young ones.	Success. Samized pruning.
Dieback	A catch-all term; a dying back of	None practical in forest setting.
Ash, Maple, and other hardwoods	branches in the crown. May be from	Remove affected trees and
Ash, Maple, and other hardwoods	a virus, drought, nutrient deficiency	utilize.
	(esp. copper), root damage, or some	dunze.
	combination.	
Dutch Elm Disease	Leaves may dwarf, yellowing and	Injections available for shade
Ceratocystis ulmi	dropping of leaves or branches or	trees but impractical in forests.
All species of native elms.	entire crown, usually fatal if untreated.	Prompt removal and burning.
Eutypella Canker	Lesions, or tree sores, on trunk or	Removal of infected trees.
Sugar & red maple	branches, a slow build-up of	Removal of Infected frees.
ougur a rea maple	concentric callus-like tissue.	
Fomes annosus	A root rot that eventually kills trees.	Treat fresh stumps with borax.
Conifers	Entry is through fresh stumps from	Commercial root dips available
Conners	thinnings, etc., then spreads from root	for seedlings at time of
	contact with live trees.	planting.
Heart Rots	Swellings, cankers, or "conks", or	Control is through good forest
Phellinus spp., Inonotus spp., and	open "sores" with soft wood inside.	management, usually will not
others		affect vigorous trees. Remove
All species of mature trees.		or leave for wildlife.
Hypoxylon Canker	Yellow or brownish indentations	Removal of infected trees.
Hypoxylon mammatum	around a wound. Eventually oblong	
Aspen.	cankers. Vertical cracks in bark.	
	Breakage.	
Nectria Canker	Open or "target-like" cankers on trunk.	Removal of infected trees.
Nectria spp.		
All hardwoods, especially sugar &		
red maple, walnut, birches, beech,		
and bigtooth aspen.		
Oak Wilt	Leaves dry, turn brown and drop	Killing or removing oaks within
Ceratocystis fagacearum	beginning at top of crown.	100 foot radius of infected
All native oaks, esp, red & black.		trees. Trenching.
Scleroderris Canker	Needles turn orange, then brown,	No practical treatment. Avoid
Gremmeniella abietina	from base of needles. Branches may	planting in frost pockets.
Red, jack, Scots pine	die before tree. Greenish stain under	
	bark of infected stem.	
White Pine Blister Rust	Within 2 years, yellow or orange	Plant genetically resistant
		seedlings or avoid white pine
Cronartium ribicola	lesions, later becoming cankers. In	second solution white pine
	lesions, later becoming cankers. In spring and summer, cankers bear	
<i>Cronartium ribicola</i> White pines.	spring and summer, cankers bear	in problem areas. Eradicate

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 EXTENSION

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