


Leaf Spots

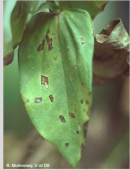


Fungal

- Distinguish using the fungal structures and pattern of lesions
- Typically do not cause harm to tree
- Typically pruning and removal of impacted leaves are the best management strategies


Bacterial

- Infect plant cells, creating an angular appearance, often bounded by the veins
- Impact older leaves on the plant
- Increasing air circulation and pruning are two of the most common management strategies.




Shothole Disease
Common Hosts: *Prunus species*

- 1/10th inch in size
- Purplish red spots, turning yellow as size increases
- Expand and centers fall out
- Small cankers on branches



Cercospora
Common Hosts: *Swiss chard, spinach, beets, hydrangea*

- 1/8 inch in diameter
- Light gray to dark tan with purple border
- Lesions will join together
- Black dot in the center of spot



Alternaria
Common Hosts: *Vegetables & Flowering Herbaceous*

- 1/4 to 1/2 inch
- Reddish purple spots
- Develop dark concentric rings
- Lesions on leaf veins



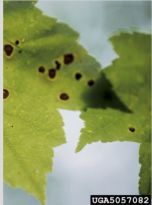
Actinopelte
Common Hosts: *Red Oak Family*
pin oak, black oak, scarlet oak, northern red oak, etc.

- 1/4 to 1/2" diameter
- Dark reddish brown
- Chlorotic halo
- Small cankers on the twigs




Phyllosticta
Common Host: *Red and Sugar Maples*

- Begin as small circular brown dots
- Spots enlarge taking more tan color with a red margin
- Black pepper-like fungal spores present on the discolored area



Septoria

- 1/8 to 1/4" in size
- Brown spots that develop into light tan
- Spots expand and coalesce
- Black pycnidia bodies are apparent
- Effects lower leaves first



Anthracnose
Common Hosts: *Sycamore, ash, maple, oak & privet, and dogwood*

- Necrotic spots
- Irregular dead blotches or lesions
- Tissue distortion
- Early season defoliation
- Cankers can develop near buds on branches



Entomosporium
Common Hosts: *apple, crabapple, photinia, quince, & serviceberry*

- Reddish spots with dark red, purple or yellow halo
- Spots enlarge as leaves grow
- Cream colored spore in center of infection

