

## DISEASES AND INSECTS THAT MAY AFFECT RECOMMENDED NEW YORK CITY STREET TREES

Compiled by Steve Boos

### **ASH (*Fraxinus* spp.)**

Diseases: Dieback Virus, Witches' Broom, Anthracnose, Leaf Spots, Cankers, Rust

Insects: Ash Borer, Brown-Headed Ash Sawfly, Carpenter Worm, Lilac Leaf Miner, Lilac Borer, Fall Webworm, Ash Flower-gall, Oyster-shell Scale, Scurfy Scale, Ash Midrib Gall\*, Leopard Moth\*, Round-headed Apple Tree Borer\*, Cambium Miner\*, Eastern Tent Caterpillar\*, Io Moth\*, Japanese Weevil\*, Ash Plant Bug\*, Black Scale\*, Woolly Aphid\*, Buffalo Treehopper\*, Walnut Scale\*

### **JAPANESE FLOWERING CHERRY (*Prunus serrulata*, *P. Yedoensis*, and related species)**

Diseases: Shot Hole, Leaf Spot, Black Knot, Powdery Mildew, Witches' Broom

Physiological Disease: Yellowing

Insects: Asiatic Garden Beetle, Peach Borer, Oriental Fruit Worm, Pear Slug, Plant Hoppers, Eastern Tent Caterpillar, San Jose Scale, Waterlily Aphid, White Peach Scale, Root Nema, Japanese Beetle, Cambium Miners\*, Oak Twig Pruner\*, Cherry Leaf Miner\*, Fruit Tree Leaf Roller\*, Skeletonizer\*, Green Peach Aphid\*, Woolly Apple Aphid\*, Walnut Scale\*, Greedy Scale\*

### **JAPANESE PAGODA-TREE / SCHOLAR TREE (*Sophora japonica*)**

Diseases: Canker, Damper-Off, Twig Blight, Powdery Mildew, Root Rot, Leaf Spot, Rust

Insects: Scale, Root Nematode

### **BRADFORD CALLERY PEAR (*Pyrus Calleryana* 'Bradford')**

Disease: Trunk Canker

Insects: Root Aphid\*, Blister Mites\*, Slugs\*

### **ELM (*Ulmus* spp.)**

Diseases: Wetwood, Dutch Elm Disease, Bleeding Canker, Leaf Curl, Leaf Spot, Powdery Mildews, Cephalosporium Wilt, Verticillium Wilt, Wood Decay, Phloem Necrosis, Mosaic

Insects: Woolly Apple Aphid, Elm Leaf Curl Aphid, Elm Case Bearer, Elm Lace Bug, Elm Leaf Beetle, Elm Leaf Miner, Smaller European Elm Bark Beetle, Elm Cockscomb Gall, Dogwood Twig Borer, Spring Cankerworm, Elm Borer, Elm Spanworm, Leopard Moth Borer, Gypsy Moth, Mourning Cloak Butterfly, White-Marked Tussock Mother, Scales, Mites, Carpenter Worm, Elm Calligrapha, Fall Webworm, Japanese Beetle, Peach Bark Beetle\*, Twig Girdler\*, Bagworm\*, Elm Leaf Beetle\*, Woolly Elm Aphid\*, Leaf Roller\*, Elm Bark Beetle\*

### **GINKGO (*Ginkgo biloba*)**

Disease: Leaf Spots

Insects: Grape Mealybug, White-Marked Tussock Moth, Fruit Tree Leaf Roller, American Plum Borer\*

### **LINDEN (*Tilia* spp.)**

Diseases: Canker, Leaf Blight, Leaf Blotch, Leaf Spot, Powdery Mildews, Verticillium Wilt

Insects: Linden Aphid, Japanese Beetle, Elm Calligrapha, Caterpillars, Basswood Leaf Miner, Elm Sawfly, Linden Looper, Linden Mite, European Linden Bark Borer, Linden Borer, Scales, Walnut Lace Bug, Linden Moth, American Plum Borer\*, Redheaded Ash Borer\*, Erineum Gall Mite\*

**HONEY LOCUST (*Gleditsia triacanthos*)**

Diseases: Leaf Spot, Cankers, Powdery Mildew, Rust, Wood Decay

Insects: Honey Locust Borer, Midge Pod Gall, Webworm, Spider Mite, Bagworm, Cottony Maple Scale, San Jose Scale, Spring and Fall Cankerworms, Twig Girdler\*, Black Scale\*, Cowpea Aphid\*, Leafhopper\*, Plant Bug\*, Walnut Scale\*

**MAPLE (*Acer spp.*)**

Diseases: Anthracnose, Leaf Spot (Purple Eye), Basal Canker, Bleeding Canker, Bacterial Leaf Spot, Leaf Blister, Bull's-Eye Spot, Tar Spot, Other Fungus Leaf Spots, Nectria Canker, Ganoderma Rot, Phomopsis Blight, Powdery Mildews, Sapstreak, Trunk Decay, Verticillium and other Wilts

Physiological Disease: Maple Decline

Insects: Elm Sawfly, Brown-Tail Moth, Gypsy Moth, White-Marked Tussock Moth, American Dagger Moth, Forest Tent Caterpillar, Boxelder Bug, Green-Striped Mapleworm, Japanese Leafhopper, Leaf Stalk Borer, Petiole Borer, Maple Leaf Cutter, Norway Maple Aphid, Ocellate Leaf Gall, Bladder-Gall Mite, Maple Phenacoccus, Cottony Maple Scale, Flatheaded Borer, Leopard Moth Borer, Metallic Borer, Pigeon Tremex, Sugar Maple Borer, Twig Pruner, Carpenter Worm, Japanese Beetle, Linden Looper, Whitefly, Woolly Alder Aphid, Nematodes, Boxelder Twig Borer\*, Cambium Borer\*, Cambium Miners\*, Fuller Rose Beetle\*, Io Moth\*, Skeletonizer\*, Thrips\*, Maple Mealybug\*, Whitefly\*

**OAK (*Quercus spp.*)**

Diseases: Anthracnose, Basal Canker, Leaf Blister, Leaf Spot, Powdery Mildew, Rust, Twig Blights, Shoestring Root Rot, Wilt, Wood Decay

Insects: Galls, Golden Oak Scale, Lecanium Scales, Oak Gall Scales, Obscure Scale, Purple Scale, Yellow-Necked Caterpillar, Pin Oak Sawfly, Saddleback Caterpillar, Oak Skeletonizer, Asitic Oak Weevil, Oak Leaf-Tier, Two-lined Chestnut Borer, Flatheaded Borer, Other Borers, Leaf Miners, Oak Lace Bugs, Oak Mite, Bud Mite, Carpenter worm\*, Leopard Moth\*, Leaf Galls\*, Twig Galls\*, Eastern Tent Caterpillars\*, Fuller Rose Beetle\*, Linden Looper\*, Giant Bark Aphid\*, Leaf Hopper\*, Tree Hoppe\*r, Oak Twig Pruner\*, Twig Girdler\*

**LONDON PLANETREE (*Platanus acerifolia*)**

Diseases: Cankerstain, Botryosphaeria Canker, Powdery Mildew, Anthracnose, Rosy Canker, Dog Canker

Insects: American Plum Borer, Lace Bug, Aphids, Sycamore Plant Bug, Sycamore Lace Bug, and Sycamore Tussock Moth, Scales, Bagworm, Whitefly

Material Sources

Westcott, Cynthia, Plant Disease Handbook, Van Nostrand Reinhold Company. New York, 1971, pp. 843

Pirone, P.P., Tree Maintenance, Oxford University Press. New York, 1972, pp. 574.

\*Pictorial Reference in Insects that Feed on Trees and Shrubs, Warren Johnson, Comstock Publishing Associates, Cornell U. Press, 1976.