

# Plant Pathology Lab Riker Mount Collection

Record group, 1.13531

## Description

This collection entails the riker mounts from The Morton Arboretum's Plant Pathology Lab.

These specimens are available for loan through the Plant Pathology Lab of The Morton Arboretum. For more information, fill out the [form here](#) and an Arboretum staff member will contact you.

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## Collection Contents

### Plant Pathology Lab Riker Mount Collection (214 records)

Euonymus scale on *Euonymus fortunei* *Euonymus fortunei* 'Vegetus' (Big-leaved wintercreeper)  
Euonymus Scale  
Euonymus Scale  
Euonymus Scale  
Aesculus leafminer (Unknown insect) on *Aesculus glabra* Willd. (Ohio buckeye)  
Ailanthus webworm (*Atteva punctella*) on *Ailanthus altissima* (Mill.) Swingle (tree of heaven)  
Alder leafminer (*Fenusa dohrnii*) on *Alnus glutinosa* (L.) Gaertn. (European black alder)  
Algal growth (Algae) on *Taxus* L. (yew)  
Aphids (honeydew and sooty mold) (Undetermined aphids) on *Quercus rubra* L. (northern red oak)  
Dodder (*Cuscuta* spp. on *Vitis* L. (grape)  
Arborvitae leafminer (*Argyresthia thuiella*) on *Thuja occidentalis* L. (eastern arborvitae)  
Armillaria root rot (*Armillaria*) on *Quercus rubra* L. (northern red oak)  
Ascochyta blight (*Ascochyta syringae*) on *Syringa vulgaris* L. (common lilac)  
Pine Needle Scale  
Honeysuckle aphid  
Ash anthracnose (*Gloeosporium aridum*) on *Fraxinus pennsylvanica* 'Patmore' (Patmore green ash)  
Ash plant bug (*Tropidosteptes amoemus*) on *Fraxinus mandshurica* Rupr. (Manchurian ash)  
Asian Longhorned beetle  
Asian longhorned beetle (*Anoplophora glabripennis*) on *Acer saccharinum* L. (silver maple)  
Azalea bark scale (*Eriococcus azaleae*) on *Rhododendron mucronulatum* Turcz. (Korean rhododendron)  
Lacebug Damage  
Lacebug Damage on *Quercus macrocarpa* Michx. (bur oak)  
Azalea sawfly (*Mematus lipovskyi*) on *Rhododendron calendulaceum* f. *aurantium* (Flame azalea)  
Bacterial blight of lilac (*Pseudomonas syringae*) on *Syringa vulgaris* L. (common lilac)  
Bacterial leaf scorch (*Xylella fastidiosa*) on *Quercus rubra* L. (northern red oak)  
Fletcher Scale  
Bagworm (*Thyridopteryx ephemeraformis*) on *Juniperus* spp. (Juniper)  
Bald cypress rust mite (*Epitrimerus taxodii*) on *Taxodium distichum* (L.) Rich. (bald-cypress)  
Bark beetles (*Dendroctonus* spp.) on *Pseudotsuga menziesii* 'Glaucua' (Blue Douglas Fir)  
Birch leafminer (*Fenusa pusilla*) on *Betula papyrifera* Marsh. (paper birch)  
Black pine needle scale (*Nuculaspis californica*) on *Pinus mugo* var. *rostrata* (Ant.) Hoopes (Beaked mugo pine)  
Black rot of grapevine (*Guignardia bidwellii*) on *Vitis amurensis* Rupr. (Amur grape)  
Black spot of elm (seeds) (*Stegophora ulmea*) on *Ulmus laevis* Pall. (RUSSIAN ELM)  
Black spot on *Ulmus laevis* Pall. (RUSSIAN ELM)  
Black spot of rose (*Diplocarpon rosea*) on *Rosa mollis* Smith (rose)  
Black vine weevil (*Hotiorhynchus sulcatus*) on *Rhododendron* L. (azalea)  
Botrytis blight (*Botrytis cinerea*) on *Crataegus mollis* (Torr. & Gray) Scheele (downy hawthorn)  
Botryosphaeria (*Sphaeropsis* spp.) on *Cornus stolonifera* var. *baileyi* (Bailey dogwood)  
Butternut canker on *Juglans cinerea* L. (butternut)  
Cedar-apple rust (*Gymnosporangium juniperi-virginianae*) on *Malus coronaria* var. *dasycalyx* Rehd. (wild sweet crabapple)  
Cedar-hawthorn rust (*Crataegus* sp.) on *Crataegus* L. (hawthorn)  
Gymnosporangium globosum (*Gymnosporangium globosum*) on *Juniperus virginiana* var. *crebra* Fern. & Grisc. (eastern red-cedar)  
Cedar-quince rust on *Crataegus* L. (hawthorn)  
Cedar-quince rust on (*Gymnosporangium clavipes*) on *Crataegus pruinosa* (Wendl.) K. Koch (frosted hawthorn)  
Cedar-quince rust (*Gymnosporangium clavipes*) on *Juniperus scopulorum* 'Pathfinder' (Pathfinder Rocky Mountain juniper)  
Chlorosis on *Halesia carolina* L. (Carolina silverbell)  
Chlorosis on *Acer rubrum* *Acer rubrum* 'Franksred' (RED SUNSET®) red maple)  
Foliar Nematodes  
Cicada damage (*Magiccicada* spp.) on *Malus* Mill. (crabapple)

Coniothyrium leaf spot (*Coniothyrium* sp.) on *Ulmus americana* L. (American elm)  
 Cooley spruce gall adelgid (*Aselges cooleyi*) on *Picea pungens* 'Hoopsii' (Hoops blue spruce)  
 Coral spot (*Nectria* canker)  
 Crown rust (*Puccinia coronata*) on *Rhamnus cathartica* L. (common buckthorn)  
 Cryptodiaporthe canker (*Cryptodiaporthe corin*) on *Cornus alternifolia* L. f. (pagoda dogwood)  
 Cytospora (*Leucostoma kunzei*) on *Picea* spp. (Spruce)  
 Dogwood anthracnose (*Discula destruxtiva*) on *Cornus florida* L. (flowering dogwood)  
 Dothistroma needle blight (*Dothistroma pini*) on *Pinus flexilis* James (limber pine)  
 Dutch Elm Disease (*Ophiostoma ulmi*) on *Ulmus americana* L. (American elm)  
 Downy leaf spot on *Carya* spp. (Hickory)  
 Arbovitae Leafminer Feeding Damage  
 Eastern tent caterpillar (*Malacosoma americanum*) on *Malus* spp. (Crabapple)  
 Elm leaf miner (*Fenusa ulmi*) on *Ulmus* 'Green King' (Green King elm)  
 Elm yellows (*Phytoplasma*) on *Ulmus americana* L. (American elm)  
 Fall Webworm  
 Entomosporium leaf spot (*Emtosporium mespili*) on *Amelanchier laevis* Wieg. (Allegheny serviceberry)  
 Entomosporium leaf spot (*Emtosporium mespili*) on *Cotoneaster acutifolius* Turcz. (Peking cotoneaster)  
 Entomosporium on *Sorbus* L. (mountain-ash)  
 European pine sawfly (*Neodiprion sertifer*) on *Pinus mugo* var. *rostrata* (Ant.) Hoopes (Beaked mugo pine)  
 Eyespot galls (*Acericecis ocellaris*) on *Acer rubrum* L. (red maple)  
 Fall webworm (*Hyphantria cunea*) on *Quercus bicolor* *Quercus bicolor* Willd. (swamp white oak)  
 Fasciation on *Syringa* sp. (Lilac)  
 Fire blight (*Erwinia amylovora*) on *Pyrus communis* 'Bartlett' (Dwarf Bartlett Pear)  
 Flea weevil damage (unknown flea weevil) on *Ulmus americana* 'Moline' (MOLINE AMERICAN ELM)  
 Four-lined plant bug (*Poecilocapsus lineatus*) on *Oreganum* spp. (Oregon)  
 Frogeye leaf spot on *Malus bracteata* Rehd. (Buncombe crabapple)  
 Frost Injury on *Ginkgo biloba* L. (ginkgo)  
 Frost damage (Abiotic - cold temperatures during leaf expansion) on *Cercidiphyllum japonicum* Sieb. & Zucc. (katsura tree)  
 Frost damage (Abiotic cause) on *Acer rubrum* L. (red maple)  
 Frost damage (Abiotic cause) on *Populus koreana* Rehd. (Korean poplar)  
 Fungal leaf spot on *Rosa canina* L. (dog rose)  
 Fusarium canker (*Fusarium lateritium*) on *Hibiscus syriacus* L. (rose-of-sharon)  
 Galls on *Vitis riparia* Michx. (riverbank grape), Hedge-hog galls on *quercus macrocarpa* (bur oak), eriophyes *emarginatae* (eriophyid mite galls) on *prunus americana* (wild plum)  
 Ash midrib gall (*Contarinia canadensis*) on *Fraxinus pennsylvanica* (Green ash)  
 Genista caterpillar damage (*Uresiphita reversalis*) on *Baptisia australis* (L.) R. Br. ex Ait. f. (blue false indigo)  
 Gouty vein gall (*Dasyneura communis*) on *Acer saccharum* Marsh. (sugar maple)  
 Herbicide injury (Unknown grass herbicide) on *Malus* sp. (Crabapple)  
 Herbicide injury (Abiotic) *Carya cordiformis* (Wang.) K. Koch (bitternut hickory)  
 Herbicide injury (Soybean herbicide) (Abiotic) on *Fraxinus pennsylvanica* (Green ash)  
 Honeylocust plant bug (*Diaphnocoris chlorionis*) on *Gleditsia triacanthos* f. *inermis* Willd. (thornless honey-locust)  
 Honeysuckle aphid (*Hyadaphis tataricae*) on *Lonicera* spp. (Honeysuckle)  
 Hypoxylon canker (*Hypoxylon deustum*) on *Acer rubrum* (Red maple)  
 Imported currantworm (*Nematus ribesii*) on *Ribes sativum* (Reichenbach) Syme (garden current)  
 Above: Elm leaf miner caused by *Fenusa ulmi* Left: Elm leaf beetle caused by *Pyrrhalta luteola* Right: Imported willow leaf beetle caused by *Plagioderia versicolora*  
 Insolibasidium blight of honeysuckle (*Insolibasidium deformans*) on *Lonicera* spp. (Honeysuckle)  
 Iron chlorosis (High pH soil (Abiotic problem)) on *Quercus palustris* Münchh. (pin oak)  
 Ivy anthracnose (*Colletotrichum gloeosporioides*) on *Parthenocissus tricuspidata* (Sieb. & Zucc.) Planch. (Boston-ivy)  
 Japanese beetle (*Popillia japonica*) on *Ampelopsis* sp, *Ehretia thyrsofolia*, *Tilia* sp. (*Ampelopsis*, *Ehretia*, *Linden*)  
 Japanese beetle (*Popillia japonica*) on *Sassafras albidum* var. *molle* (Raf.) Fern. (silky sassafras)  
 Juniper webworm (*Dichomeris marginella*) on *Juniperus communis* 'Aurea' (Golden common juniper)  
 Lacebug (*Gargaphia tiliae*) on *Tilia americana* var. *heterophylla* (Vent.) Loudon  
 Apple Flea Weevil  
 Apple Flea Weevil  
 Apple Flea Weevil  
 Apple Flea Weevil  
 Larch adelgid (*Adelges lariciatus*) on *Larix decidua* Mill. (European larch)  
 Larch casebearer (*Coleophora laricella*) and larch sawfly (*Pristiphora erichsonii*) on *Larix* spp. (Larch)  
 Leaf blight of witch hazel (*Phyllosticta hamamelidis*) on *Hamamelis virginiana* L. (common witch-hazel)  
 Japanese Beetle Feeding Damage  
 Aesculus leaf blotch (*Guignardia aesculi*) on *Aesculus flava* Sol. (yellow buckeye)  
 Japanese Beetle Feeding Damage  
 Leaf blotch of *Tilia* (*Astermoa tiliae*) on *Tilia americana* L. (American basswood)  
 Leaf blotch of *Tilia* (*Asteroma tiliae*) on *Tilia americana* L. (American basswood)  
 Leaf crumpler (*Acrobasis indigenella*) on *Cotoneaster acutifolius* Turcz. (Peking cotoneaster)

Leaf roller (*Archips semifera*) and looper damage on *Quercus muehlenbergii* Engelm. (chinkapin oak)  
 Leaf-tier damage (Unknown leaf-tier) on *Viburnum lantana* L. (wayfaring tree)  
 Lecanium scale (Unidentified lecanium scale) on *Ostrya virginiana* (Mill.) K. Koch (ironwood)  
 Black Vine Weevil Damage  
 Black Vine Weevil Damage  
 Lilac anthracnose (*Discula* spp.) on *Syringa pekinensis* Rupr. (Peking lilac)  
 Linden looper (*Erannis tiliaria*) on *Ulmus americana* 'Moline' (MOLINE AMERICAN ELM)  
 Magnolia scale (*Neolecanium cornuparvum*) on *Magnolia* spp. (Magnolia)  
 Maple anthracnose (*Discula* spp.) on *Acer saccharum* Marsh. (sugar maple)  
 Melampsora rust (*Melampsora medusae*) on *Populus* sp. (Poplar)  
 Melanconium canker (*Melanconium betulinum*) on *Betula platyphylla* Sukatchev (Asian white birch)  
 Miner on *Platanus × acerifolia* (Ait.) Willd. (London planetree)  
 Brown Rot (*Monilinia*) (*Monilinia fructicola*) on *Prunus triloba* Lindl. (flowering almond)  
 Mosaic (Island chlorosis) (Mosaic virus) on *Celtis tenuifolia* Nutt. (dwarf hackberry)  
 Mossy Rose gall wasp (*Diplolepos rosae*) on *Rosa micrantha* Borrer ex. Sm. (small-leaved rose)  
 Nectria (*Nectria cinnabarina*) (*Tubercularia* state present) on *Wisteria* spp. (Wisteria)  
 Oak anthracnose and bug damage on *Quercus* sp. (Oak)  
 Alder Leafminer  
 Oak leaf blister on *Quercus* (Oak)  
 Oak leafminer (*Cameraria hamadryadella*) on *Quercus alba* L. (white oak)  
 Oak wilt (*Ceratocystis fagacearum*) on *Quercus rubra* L. (northern red oak)  
 Oak wilt (*Ceratocystis fagacearum*) on *Quercus macrocarpa* Michx. (bur oak)  
 Oystershell scale (brown race) (*Lepidosaphes ulmi*) on *Cotoneaster* spp. (Cotoneaster)  
 Peach leaf curl (*Taphrina deformans*)  
 Pecan cigar casebearer (*Coleophora laticornella*) on *Carya cordiformis* (Wang.) K. Koch (bitternut hickory)  
 Persimmon wilt on *Diospyros virginiana* L. (persimmon)  
 Pestalotiopsis blight (*Pestalotiopsis funerea*) on *Thuja* sp. (Arborvitae)  
 Phomopsis gall on *Viburnum* sp. (*Viburnum*)  
 Phyllosticta leaf spot (*Phyllosticta minima*) on *Acer saccharum* (Sugar maple)  
 Pine bark adelgid (*Pineus strobi*) on *Pinus strobus* 'Nana' (Dwarf eastern white pine)  
 Pine needle rust (*Coleosporium asterum*) on *Pinus resinosa* Ait. (red pine)  
 Pine needle scale (*Chionaspis pinifoliae*) on *Pinus sylvestris* L. (Scots pine)  
 Pine-pine gall rust (*Endocronartium harknessii*) on *Pinus sylvestris* L. (Scots pine)  
 Pine wilt (*Bursaphelenchus xylophilus*)/borer injury on *Pinus densiflora* Sieb. & Zucc. (Japanese red pine)  
 Plant bug on *Fraxinus excelsior* L. (European ash)  
 Plum pockets (*Taphrina communis*) on *Prunus persica* (L.) Batsch (peach)  
 Potato leafhopper on *Acer rubrum* L. (red maple)  
 Powdery mildew (*Phyllactinia guttata*) on *Quercus macrocarpa* Michx. (bur oak)  
 Powdery mildew on *Cornus kousa* (Buerg. ex Miq.) Hance (kousa dogwood)  
 Powdery mildew (*Phyllactinia guttata*) on *Cornus florida* L. (flowering dogwood)  
 Powdery mildew on *Physocarpus opulifolius* 'Diabolo' (Common Ninebark 'Diablo')  
 Privet rust mite (*Aculus ligustri*) on *Ligustrum* spp. (Privet)  
 Pseudomonas blast (*Pseudomonas syringae*) on *Pyrus pyrifolia* (sand pear)  
 Rose mosaic complex (Virus) on *Rosa* 'Gruss an Aachen' (Gruss an Aachen rose)  
 Rose rosette disease on *Rosa* sp. (Rose)  
 Roseslug sawfly larvae damage (*Endelomyia aethiops*) on *Amelanchier* spp. (Serviceberry)  
 Rust on Pear on *Pyrus serrulata* (pear)  
 Scab (*Venturia inaequalis*) on *Malus* sp. (Crabapple)  
 Scab on *Malus* 'Red Jade' (Red jade)  
 Scarlet oak "slug" sawfly (*Caliroa quercuscoccineae*) on *Quercus macrocarpa* Michx. (bur oak)  
 Leaf Scorch (Abiotic) on *Acer heldreichii* Orph. ex Boiss. (Balkan maple)  
 Scorch (Abiotic) on *Quercus alba* L. (white oak)  
 Seiridium (*Seiridium cardinale*) on *Cupressus* sp. (Cypress)  
 Septoria leaf spot (*Septoria cornicola*) on *Cornus florida* L. (flowering dogwood)  
 Short-cycle orange rust (*Kunkelia nitens*) on *Rubus* sp. (Blackberry)  
 Sooty mold (Unidentified sooty mold) on *Picea* spp. (Spruce)  
 Sooty mold (One of several possible fungi) on *Salix pentandra* L. (laurel willow)  
 Sphaeropsis tip blight (*Sphaeropsis sapinea*) on *Pinus sylvestris* L. (Scots pine)  
 Sphaeropsis tip blight (*Sphaeropsis sapinea*) on *Pinus* spp. (Various pines)  
 Spindle gall on *Tilia* sp. (*Tilia*)  
 Spot anthracnose (*Elsinoe corni*) on *Cornus florida* L. (flowering dogwood)  
 Spruce spider mite (*Oligonychus ununguis*) on *Picea pungens* var. *glauca* 'Turkey Creek' (Turkey Creek spruce)  
 Sycamore anthracnose (*Apiognomonium veneta*) on *Platanus occidentalis* L. (sycamore)  
 Lacebug (*Corythucha ciliata*) on *Platanus occidentalis* L. (sycamore)  
 Taphrina leaf blister (*Taphrina carnea*) on *Betula nigra* L. (river birch)  
 Thrip damage on *Cornus florida* L. (flowering dogwood)

Thyronectria canker (*Thyronectria austro-americana*) on *Gleditsia caspica* Desf. (Caspian-locust)  
 Tobacco mosaic virus on *Ribes fasciculatum* var. *chinense* Maxim. (Chinese currant)  
 Tobacco ringspot virus on *Fraxinus* spp. (Ash)  
 Tobacco ringspot virus (virus) on *Fraxinus* spp. (Ash)  
 Twomarked treehopper damage and egg coverings (*Enchenopa binotata*) on *Ptelea trifoliata* L. (wafer-ash)  
 Verticillium wilt (*Verticillium albo-atrum*) on *Cercis canadensis* L. (redbud) and *C. chinensis* (Redbud/Chinese Redbud)  
 Verticillium wilt (*Verticillium albo-atrum*) on *Cotinus obovatus* Raf. (American smoke tree)  
 Verticillium wilt (*Verticillium albo-atrum*) on *Cotinus obovatus* Raf. (American smoke tree)  
 Verticillium wilt (*Verticillium dahliae*) on *Fraxinus pennsylvanica* (Green ash)  
 Virus on Ash (Unknown) on *Fraxinus pennsylvanica* (Red ash)  
 White pine aphid (*Cinara strobis*) on *Pinus strobus* L. (eastern white pine)  
 White pine blister rust (*Cronartium ribicola*) on *Pinus strobus* L. (eastern white pine)  
 White pine weevil (*Phyllactinia guttata*) on *Pinus strobus* L. (eastern white pine)  
 Winter/salt damage (Abiotic) on *Pinus strobus* L. (eastern white pine)  
 Witches' broom (Plasma-like organism (PLO)) on *Syringa* sp. (Lilac)  
 Witches' broom (Unknown) on *Pinus strobus* L. (eastern white pine)  
 Witches' broom of hackberry (*Sphaerotheca phytotophila* & *Eriophyes celtis*) on *Celtis occidentalis* L. (hackberry)  
 Woolly apple aphid damage (*Eriosoma lanigerum*) on *Crataegus kansuensis* Wils. (Gansu hawthorn)  
 Woolly elm aphid on *Amelanchier* Medic. (serviceberry)  
 Webworm on *Juniperus communis* 'Haverbeck' (Haverbeck common juniper)  
 X-disease (Unnamed phytoplasma) on *Prunus virginiana* L. (choke cherry)  
 Cooley's Spruce Gall Adelgid on *Pseudotsuga* Carr. (douglas-fir)  
 Yellow-necked caterpillar (*Datana ministra*) on *Betula davurica* Pall. (Dahurian birch)  
 Yellow-necked caterpillar (*Datona ministra*) on *Crataegus cordata* (Washington hawthorn)  
 Scab, Apple on *Malus baccata* var. *mandshurica* (Maxim.) C.K. Schneid. (Manchurian crabapple)  
 Cedar quince rust  
 Gall on branch of *Hamamelis virginiana* L. (common witch-hazel)  
 Mites-gall on *Prunus americana* Marsh. (wild plum)  
 Scale on *Daphne alpina* L. (alpine daphne)  
 Adult Gypsy Moths  
 Armillaria root rot  
 Tea Scale (*Fiorinia theae*) on *Camellia japonica* (Japanese camellia)  
 Fusarium canker and Lecanium Scale on *Gleditsia triacanthos* L. (honey-locust)  
 Woolly elm aphid (*Eriosoma americana*) on *Ulmus americana* 'Valley Forge' (VALLEY FORGE AMERICAN ELM)  
 Exobasidion gall on *Rhododendron* L. (azalea)