

Mr Whitehead

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OKLAHOMA AGRICULTURAL AND MECHANICAL COLLEGE
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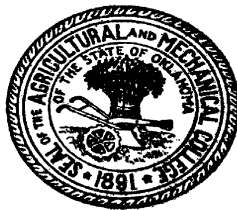
W. L. BLIZZARD, Director

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Host Index of Oklahoma Plant Diseases, Supplement, 1947

By

D. A. PRESTON



Stillwater, Oklahoma

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Host Index of Oklahoma Plant Diseases, Supplement, 1947

By D. A. PRESTON
Assistant Plant Pathologist

Introduction

This supplement is issued to help plant pathologists, field crop and horticultural specialists, nursery and crop inspectors, county agents, and others who are called upon to help farmers and gardeners prevent loss of crops by plant diseases, keep abreast of the trend of plant diseases in Oklahoma. It contains, in the form of a host index available information on the occurrence and distribution of the 331 additional plant diseases recorded in Oklahoma since publication of Oklahoma Agricultural Experiment Station Technical Bulletin No. T-21, *Host Index of Oklahoma Plant Diseases*, in September, 1945.

The same style and arrangement used in the host index is followed in this supplement. Technical Bulletin No. T-21 listed 2,110 diseases of Oklahoma plants. An additional 331 plant diseases appear in this supplement, thus bringing to 2,441 the total number of plant diseases so far recorded in Oklahoma.

The record of Peach yellows in Oklahoma, which appeared in Technical Bulletin T-21, should be deleted. It was included there on the basis of the report in Oklahoma Experiment Station Mimeo. Circ. No. 33, *Contribution Toward a Host Index to Plant Diseases in Oklahoma*. This disease is not known to occur in Oklahoma.

HOST INDEX

ABUTILON

- A. INCANUM (Link) Sweet, INDIANMALLOW ABUTILON.
Puccinia heterospora Berk. & Curt., Rust; Murray.

ACALYPHA

- A. VIRGINICA L., VIRGINIA ACALYPHA.
Cercospora acalyphae Peck, Leaf spot; Payne.

ACER

- A. NEGUNDO L., BOXELDER.
Coniothyrium negundinis Tehon & Daniels, Twig canker; Payne.
Phleospora aceris (Lib.) Sacc., Leaf spot; Payne.
Physalospora obtusa (Schw.) Cke., Twig canker; Payne.
- A. RUBRUM L., RED MAPLE.
Monochaetia desmazierii Graves, Leaf spot; Le Flore, Pushmataha.
Rhytisma acerinum (Pers.) Fr., Tar leaf spot; Le Flore, Pushmataha.
- A. SACCHARINUM L., SILVER MAPLE.
Phyllosticta minima (Berk. & Curt.) Ell. & Ev., Leaf spot; Le Flore.

ALLIUM

- A. CEPA L., GARDEN ONION.
Macrophomina phaseoli (Maubl.) Ashby, Scale smudge; Pittsburg.

AMBROSIA

- A. ARTEMISIIFOLIA L., COMMON RAGWEED.
Erysiphe cichoracearum DC., Powdery mildew; Le Flore.
- A. PSILOSTACHYA DC., WESTERN RAGWEED.
Erysiphe cichoracearum DC., Powdery mildew; Payne.
- A. TRIFIDA L., GIANT RAGWEED.
Septoria bacilligera Wint., Leaf spot; Payne.

ANEMONE

- A. VIRGINIANA L., VIRGINIA ANEMONE.
Puccinia anemones-virginianae Schw., Rust; McCurtain.

ANTIRRHINUM

- A. MAJUS L., COMMON SNAPDRAGON.
Macrophomina phaseoli (Maubl.) Ashby, Charcoal rot; Osage.

ARACHIS

- A. HYPOGAEA L., PEANUT.
Colletotrichum sp., Stem spot.
Fusarium moniliforme Sheldon, Seedling root rot.
Helminthosporium sp., Root rot.
Pleospora sp., Stem & leaf spot.
Unknown, Witches'-broom; Payne.

ARGEMONE

- A. ALBA Lestib., WHITE PRICKLEPOPPY.
Septoria argemones Tharp, Leaf spot; Cleveland.
A. INTERMEDIA Sweet, PRICKLEPOPPY.
Septoria argemones Tharp, Leaf spot; Kingfisher,
Lincoln, Marshall, McClain, Oklahoma.

ARGYTHAMNIA

- A. MERCURIALINA Muell. Arg., SILVERBUSH.
Cercospora argyrothamniae Dearn. & House, Leaf spot;
Bryan, Caddo.

ARMORACIA

- A. RUSTICANA Gaertn., HORSERADISH.
Cercospora armoraciae Sacc., Leaf spot; Payne.

ASCLEPIAS

- A. INCARNATA L., SWAMP MILKWEED.
Cercospora clavata (Gerard) Cke., Leaf spot; Ottawa.
Septoria asclepiadicola Ell. & Ev., Leaf spot; Ottawa.

ASTRAGALUS

- A. DAHURICUS DC.
Virus, Mosaic; Payne.
A. FALCATUS Lam.
Virus, Mosaic; Payne.
A. HAMOSUS L.
Uromyces punctatus Schroet., Rust; Payne.
Virus, Mosaic; Payne.
A. MEXICANUS DC., GROUND PLUM.
Napicladium astragali Ell. & Ev., Leaf spot; Choctaw.

BERBERIS

- B. VULGARIS L., EUROPEAN BARBERRY.
Cercospora boutelouae Chupp & Greene, Leaf spot;

BOUTELOUA

- B. CURTIPENDULA (Michx.) Torr., SIDEOATS GRAMA.
Cercospora boutelouae Chupp & Greene, Leaf spot;
Major, Payne.

BRASSICA

- B. NIGRA (L.) Koch, BLACK MUSTARD.
Xanthomonas vesicatoria (Doidge) Dowson, Bacterial
spot; Le Flore.

BROUSSONETIA

- B. PAPYRIFERA (L.) Vent., COMMON PAPER MUL-
BERRY.
Phyalospora obtusa (Schw.) Cke., on branches; Payne.

CALAMOVILFA

- C. GIGANTEA (Nutt.) Scribn. & Merr., BIG SANDREED.
Colletotrichum graminicolum (Ces.) G. W. Wils.,
Anthracnose; Murray.

CALYCANTHUS

- C. FLORIDUS L., CAROLINA ALLSPICE.
Haplosporella calycanthi Fairm.; Payne.

CALYCOCARPUM

- C. LYONII Nutt., CUPSEED.
Cercospora menispermi Ell. & Holw., Leaf and fruit
spot; Le Flore.

CAMPSIS

- C. RADICANS (L.) Seem., COMMON TRUMPETCREEPER.
Cercospora sordida Sacc., Leaf blight; Le Flore, Ottawa.
Septoria tecomae Ell. & Ev., Leaf spot; Cherokee,
Payne.

CAPSICUM

- C. FRUTESCENS L., PEPPER.
Heterodera marioni (Cornu) Goodey, Root knot; Mc-
Clain, Pittsburg.
Sclerotium rolfsii Sacc., Southern blight; Muskogee.

CAREX

- C. RENIFORMIS (L. H. Bailey) Small.
Puccinia extensicola Plowr., Carex-composite rust.

CARYA

- C. ILLINOENSIS (Wang.) K. Koch, PECAN.
Cephalothecium roseum Cda., on nuts following scab; general.
Eutypa heteracantha Sacc.; Payne.
Microsphaera ulni DC. ex Wint., Powdery mildew; general.
Phyllosticta convexula Bub., Leaf spot; Le Flore.

CELTIS

- C. OCCIDENTALIS L., COMMON HACKBERRY.
Sphaerotheca phytoptophyla Kell. & Swingle, Powdery mildew; Payne. Associated with gall-mites, *Eriophes* sp. on witches'-broom.

CEPHALANTHUS

- C. OCCIDENTALIS L., COMMON BUTTONBUSH.
Diatrypella cephalanthi (Schw.) Sacc.; Payne.
Stereum rameale Schw. ex Burt; Payne.

CHENOPODIUM

- C. ALBUM L., LAMBSQUARTERS GOOSEFOOT.
Heterodera marioni (Cornu) Goodey, Root knot.
- C. AMBROSIoidES var. ANTHELMINTICUM (L.) A. Gray, AMERICAN WORMSEED.
Stagonospora atriplicis (West.) Lind, Leaf spot; Beckham.
- C. LEPTOPHYLLUM Nutt. ex Wats., SLIMLEAF GOOSEFOOT.
Cercospora dubia (Riess) Wint., Leaf spot; Woodward.

CHILOPSIS

- C. LINEARIS (Cav.) Sweet, DESERT WILLOW.
Phymatotrichum omnivorum (Shear) Dug., Root rot.

CLEMATIS

- C. DRUMMONDI Torr. & Gray, DRUMMOND CLEMATIS.
Cercospora squalidula Pk., Leaf spot; Tulsa.
- C. LIGUSTICIFOLIA Nutt., WESTERN VIRGINSBOWER.
Cercospora squalidula Pk., Leaf spot; Cherokee.
- C. VERSICOLOR Small, MANYCOLOR CLEMATIS.
Cercospora squalidula Pk., Leaf spot; Cherokee.

CORNUS

- C. FLORIDA L., FLOWERING DOGWOOD.
Phyllosticta starbeckii Sacc. & Syd., Leaf spot; Carter.
Septoria cornicola Desm., Leaf spot; McCurtain, Ottawa.
- C. RACEMOSA Lam., GRAY DOGWOOD.
Septoria cornicola Desm., Leaf spot; McCurtain.

CORYLUS

- C. AMERICANA Marsh., AMERICAN FILBERT.
Gloeosporium coryli (Desm.) Sacc., Leaf spot; Ottawa.

CRATAEGUS

- C. CRUS-GALLI L., COCKSPUR HAWTHORN.
Gymnosporangium globosum Farl., Hawthorn rust; Mayes.
- C. PUNCTATA Jacq., DOTTED HAWTHORN.
Septoria crataegi Kickx., Leaf spot; Muskogee.

CROTALARIA

- C. ANAGYROIDES H. B. K.
Virus, Crotalaria mosaic; Payne.
- C. MUNDYI Baker
Virus, Crotalaria mosaic; Payne.
- C. SPECTABILIS Roth, SHOWY CROTALARIA.
Fusarium sp., Wilt & root rot; Payne.
Macrophomina phaseoli (Maubl.) Ashby, Charcoal rot.
Virus, Crotalaria mosaic; Payne.
- C. STRIATA Schrank
Virus, Crotalaria mosaic; Payne.
- C. USARAMOENSIS Baker
Virus, Crotalaria mosaic; Payne.

CROTONOPSIS

- C. LINEARIS Michx.
Bubakia crotonis (Cke.) Arth., Rust; Muskogee.

DACTYLIS

- D. GLOMERATA L., ORCHARDGRASS.
Claviceps microcephala (Wallr.) Tul., Ergot.

DAHLIA

- D. SP., DAHLIA.
Macrophomina phaseoli (Maubl.) Ashby, Charcoal rot; Osage.

DIGITARIA

- D. SANGUINALIS (L.) Scop., HAIRY CRABGRASS.
Colletotrichum graminicolum (Ces.) G. W. Wils.,
Anthracnose; Payne.

DISTICHLIS

- D. STRICTA (Torr.) Rydb., INLAND SALTGRASS.
Endodothella tracyi (Ell. & Ev.) Theiss & Syd., Tar
spot.

ECHINOCHLOA

- E. COLONUM (L.) Link, JUNGLERICE.
Piricularia grisea (Cke.) Sacc., Gray leaf spot; Le Flore.

ELYMUS

- E. VIRGINICUS L., VIRGINIA WILDRYE.
Epiclhoe typhina (Pers. ex Fr.) Tul., Cat-tail.

ERAGROSTIS

- E. CURVULA (Schrad.) Nees, WEEPING LOVEGRASS.
Colletotrichum graminicolum (Ces.) G. W. Wils., An-
thracnose; Payne.
- E. LUGENS Nees, MOURNING LOVEGRASS.
Phyllachora eragrostidis Chardon, Tar spot; Payne.
Piricularia grisea (Cke.) Sacc., Gray leaf spot.
Uromyces eragrostidis Tracy, Rust; Payne.
- E. SECUNDIFLORA Presl, RED LOVEGRASS.
Scolecotrichum graminis Fckl., Brown stripe; Payne.

ERIANTHUS

- E. ALOPECUROIDES (L.) Ell., SILVER PLUMEGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.

ERYNGIUM

- E. LEAVENWORTHII Torr. & Gray, LEAVENWORTH
ERYNGO.
Macrophomina phaseoli (Maubl.) Ashby, Charcoal rot;
Payne.

EUPLOCA

- E. CONVULVACEA Nutt., BINDWEED EUPLOCA.
Cercospora heliotropii Ell. & Ev., Leaf spot; Cleveland,
Kingfisher.

FESTUCA

- F. ELATIOR L., MEADOW FESCUE.
Claviceps purpurea (Fr.) Tul., Ergot.

FIRMIANA

- F. SIMPLEX (L.) W. F. Wight, CHINESE PARASOLTREE.
Nectria cinnabarina Tode ex. Fr., Dieback; Payne.
Phomopsis sp., on branches; Payne.

FORSYTHIA

- F. INTERMEDIA Zabel, BORDER FORSYTHIA.
Gloeosporium sp., Anthracnose; Payne.

FRAGARIA

- F. SPP., STRAWBERRY.
Coniothyrium sp., Black rot.
Pezizella oenotherae (Cke. & Ell.) Sacc., Tan rot.

FRAXINUS

- F. PENNSYLVANICA var. LANCEOLATA (Borkh.) Sarg.,
GREEN ASH.
Puccinia peridermiospora (Ell. & Tr.) Arth., Rust;
Murray.
Rhizoctonia solani Kuhn, Seedling blight; Garfield.
F. VELUTINA Torr., VELVET ASH.
Mycosphaerella fraxinicola (Schw.) House, Leaf spot;
Payne.

FROELICHIA

- F. FLORIDANA (Nutt.) Moq.
Cercospora crassoides J. J. Davis, Leaf spot; Payne.

GAILLARDIA

- G. ARISTATA Pursh, COMMON PERENNIAL GAIL-
LARDIA.
Erysiphe cichoracearum DC., Powdery mildew; Payne.

GALACTIA

- G. VOLUBILIS (L.) Britt., DOWNY MILKPEA.
Cercospora flagellifera Atk., Leaf spot; Payne.

GAURA

- G. COCCINEA Pursh, SCARLET GAURA.
Cercospora gaurae Kell. & Swingle, Leaf spot; Haskell,
Le Flore, Mayes, Muskogee, Ottawa, Payne, Wagoner.

- G. FILIFORMIS var. TYPICA P. A. Munz.
Septoria gaurina Ell. & Kell., Leaf spot; Oklahoma.
- G. PARVIFLORA Dougl.
Cercospora flagellifera Atk., Leaf spot; Payne.
- G. SUFFULTA Engelm.
Septoria gaurina Ell. & Kell., Leaf spot; Murray.

GLYCERIA

- G. STRIATA (Lam.) Hitchc., FOWL MANNAGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.

GOSSYPIUM

- G. HIRSUTUM L., UPLAND COTTON.
Mycosphaerella areola Ehrlich & Wolf, Areolate mildew, Frosty blight.
Pestalotziella gossypina Atk., Secondary boll rot.
Physalospora rhodina (Berk. & Curt.) Cke., Diplodia boll rot.
Puccinia stakmanii Presley, Rust.
Nonparasitic, Sand drown (resulting from magnesium deficiency).

GYMNOCLADUS

- G. DIOICA (L.) Koch, KENTUCKY COFFEETREE.
Fusarium sp.; Osage.

GYPSOPHILA

- G. PANICULATA L., BABYSBREATH.
Fusarium sp.; Osage.
Rhizoctonia solani Kuhn, Root rot; Osage.

HAMAMELIS

- H. VIRGINIANA L., COMMON WITCHHAZEL.
Discosia artocreas Tode ex Fr., Leaf spot; Le Flore.

HIBISCUS

- H. SYRIACUS L., SHRUBALTHEA: ROSE-OF-SHARON.
Phyllosticta hibiscina Ell. & Ev., Leaf spot; Payne.

HILARIA

- H. MUTICA (Buckl.) Benth., TOBOSA GRASS.
Claviceps cinerea Griff., Ergot.

HORDEUM

- H. JUBATUM L., FOXTAIL BARLEY.
Claviceps purpurea (Fr.) Tul., Ergot.

HYDROLEA**H. OVATA** Nutt.

Cercosporina namae (Dearn. & House) Sacc., Leaf spot; Pittsburg, Pushmataha.

ILEX**I. DECIDUA** Walt., POSSUMHAW.

Rhytisma ilicinolum Schw. ex Fr., Tar spot; Muskogee.

I. OPACA Ait., AMERICAN HOLLY.

Diaporthe oxyspora (Pk.) Sacc., on branches; McCurtain.

Macroderma curtisii (Berk. & Rav.) Hoehn., Tar spot; McCurtain.

IPOMOEA**I. BATATAS** (L.) Lam., SWEETPOTATO.

Pythium ultimum Trow., Mottle necrosis; Payne.

I. LONGIFOLIA Benth.

Albugo ipomoeae-panduranae (Schw.) Swingle, White blister; Payne.

IREGINE**I. CELOSIA** L., JUBASBUSH BLOODLEAF.

Septoria iresines Speg., Leaf spot; Payne.

JUGLANS**J. NIGRA** L., EASTERN BLACK WALNUT.

Fomes igniarius (L. ex Fr.) Kickx, White heart rot; Murray.

Stereum fasciatum Schw., on branches; Pawnee.

JUNCUS**J. DUDLEYI** Wiegand.

Leptosphaeria michotii (Westd.) Sacc.; Cimarron.

Uromyces silphii (Burr.) Arth., Rust; Cimarron.

JUNIPERUS**J. COMMUNIS** var. **DEPRESSA** Pursh, PROSTRATE JUNIPER.

Gymnosporangium clavipes Cke. & Pk., Rust gall; Payne.

Gymnosporangium globosum Farl., Rust gall; Payne.

Gymnosporangium juniperi-virginiana Schw., Rust gall; Payne.

- J. VIRGINIANA L., EASTERN REDCEDAR.
Cercospora sequoiae var. *juniperi* Ell. & Ev., Leaf
 needle cast; Washington.
Phomopsis juniperovora Hahn, Nursery blight; Cleve-
 land, Grady, Payne.
- J. SP., JUNIPER.
Poria rimosa Murr.; Comanche.

KOELERIA

- K. CRISTATA (L.) Pers., PRAIRIE JUNEGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.

LAPORTEA

- L. CANADENSIS (L.) Gaud., CANADA WOODNETTLE.
Septoria urticae Desm. & Rob., Leaf spot; Pawnee.

LATHYRUS

- L. SYLVESTRIS L., FLAT PEAVINE.
Ascochyta pisi Lib., Leaf spot; Payne.
Heterosporium sp., Leaf spot; Payne.

LEPTOLOMA

- L. COGNATUM (Schult.) Chase, FALL WITCHGRASS.
Colletotrichum graminicolum (Ces.) G. W. Wils., An-
 thracnose; Mayes, Osage, Rogers.
Mycosphaerella sp.; Muskogee, Payne.

LIATRIS

- L. SCARIOSA (L.) Willd., TALL GAYFEATHER.
Leptosphaeria trimeroides Rehm; Ottawa.
Phyllosticta liatridis J. J. Davis, Leaf spot; Payne.

LIGUSTRUM

- L. OVALIFOLIUM Hassk., CALIFORNIA PRIVET.
Cytospora sp., Dieback; Payne.

LIMNODIA

- L. ARKANSANA (Nutt.) L. H. Dewey, OZARKGRASS.
Puccinia coronata Cda., Crown rust.
Puccinia graminis Pers., Stem rust.

LIQUIDAMBAR

- L. STYRACIFLUA L., AMERICAN SWEETGUM.
Discosia artocreas Tode ex Fr., Leaf spot; Payne.
Leptothyriella liquidambaris Tehon & Stout, Red leaf
 spot; McCurtain.

LONICERA

- L. HECKROTTI Rehd., EVERBLOOMING HONEY-SUCKLE.
Diaporthe eres Nit., on branches; Payne.

MACLURA

- M. POMIFERA (Raf.) Schneid., OSAGEORANGE.
Phymatotrichum omnivorum (Shear) Dug., Root rot.

MAGNOLIA

- M. GRANDIFLORA L., SOUTHERN MAGNOLIA.
Macrophoma sp., on branches; Payne.

MALUS

- M. SYLVESTRIS Mill., APPLE.
Leptosphaeria coniothyrium (Fckl.) Sacc., Canker; Muskogee.
Schizophyllum commune Fr., Bark & sapwood rot; Noble, Payne.

MALVA

- M. ROTUNDIFOLIA L., RUNNING MALLOW.
Cercospora altheina Sacc., Leaf spot; Kay, Kingfisher, Latimer, Noble.

MEDICAGO

- M. SATIVA L., ALFALFA.
Leptosphaeria pratensis Sacc. & Briard, Leaf spot.
Panagrolaimus subelongatus (Cobb) Thorne, Nematode.

MELIA

- M. AZEDARACH L., CHINABERRY.
Diplodia langloisii Sacc. & Syd., on branches; Payne.
Eutypella stellulata (Fr.) Sacc., on branches; Payne.
Schizophyllum commune Fr., Sapwood rot; Payne.

MELILOTUS

- M. OFFICINALIS (L.) Lam., YELLOW SWEETCLOVER.
Ascochyta caulicola Laub., Stem canker; Payne.
Mycosphaerella davisii F. R. Jones, Leaf spot; Payne.
Phoma medicaginis Malb. & Roum., Black stem; McClain.

MENTZELIA

- M. NUDA (Pursh) Torr. & Gray, BRACTLESS
MENTZELIA.

Phyllosticta mentzeliae Ell. & Kell., Leaf spot; Johnston.

MORUS

- M. ALBA L., WHITE MULBERRY.

Cytospora sp., Twig canker; Pawnee.

- M. RUBRA L., RED MULBERRY.

Cercospora moricola Cke., Leaf spot; Johnston.

MUHLENBERGIA

- M. ASPERIFOLIA (Nees & Mey.) Parodi, SCRATCH-
GRASS.

Scirrhia sporoboli Atk., on culms; Woods.

- M. MEXICANA (L.) Trin., WIRESTEM MUHLY.

Chaetomella atra Fckl.; Payne.

- M. RACEMOSA (Michx.) B. S. P., GREEN MUHLY.

Puccinia schedonnardi Kell. & Swingle, Leaf rust.

- M. SCHREBERI Gmel., NIMBLEWILL.

Colletotrichum graminicolum (Ces.) G. W. Wils., Anthracnose; Adair.

NERIUM

- N. OLEANDER L., OLEANDER.

Capnodium elongatum Berk. & Desm., Sooty mold; Payne.

NOTHOSCORDUM

- N. BIVALVE (L.) Britt., YELLOW FALSEGARLIC.

Colletotrichum circinans (B.) Vogl. Anthracnose; Payne.

NYSSA

- N. SYLVATICA Marsh., BLACK TUPELO: BLACKGUM.

Actinopelte dryina (Sacc.) Hoehn., Leaf spot; Pushmataha.

ORYZOPSIS

- O. HYMENOIDES (Roem. & Schult.) Ricker, INDIAN
RICEGRASS.

Ustilago nummularia Speg., Stem smut; Woodward.

OSTRYA

- O. VIRGINIANA (Mill.) K. Koch, AMERICAN HOPHORN-BEAM.
Gloeosporium robergei Desm., Leaf spot; Le Flore.

PANICUM

- P. SCRIBNERIANUM Nash, SCRIBNER PANICUM.
Phyllachora punctum (Schw.) Orton, Tar spot; Craig.
P. VIRGATUM L., SWITCHGRASS.
Phyllosticta panici E. Young, Leaf spot; Payne.
P. XALAPENSE H. B. K., JALAPA PANICUM.
Cercospora fusimaculans Atk., Leaf spot; McCurtain, Muskogee.

PASPALUM

- P. DILATATUM Poir., DALLIS GRASS.
Claviceps paspali F. L. Stevens & J. G. Hall, Ergot.
P. DISTICHUM L., KNOTGRASS.
Claviceps paspali F. L. Stevens & J. G. Hall, Ergot.
P. FLORIDANUM Michx., FLORIDA PASPALUM.
Puccinia substriata Ell. & Barth., Rust; Le Flore.
P. LAEVE Michx., FIELD PASPALUM.
Claviceps paspali F. L. Stevens & J. G. Hall, Ergot.
P. STRAMINEUM Nash, SAND PASPALUM.
Colletotrichum graminicolum (Ces.) G. W. Wils., Anthracnose; Payne.
Piricularia grisea (Cke.) Sacc., Gray leaf spot; Comanche.
P. URVILLEI Steud., VASEY GRASS.
Claviceps paspali F. L. Stevens & J. G. Hall, Ergot.

PAULOWNIA

- P. TOMENTOSA (Thunb.) Steud., ROYAL PAULOWNIA: PRINCESS TREE.
Phyllosticta paulowniae Sacc., Leaf spot; Le Flore.

PELARGONIUM

- P. SP., GERANIUM.
Pythium compectens Braun, Stem rot.

PENSTEMON

- P. PALLIDUS Small, PALE PENSTEMON.
Septoria pentstemonis Ell. & Ev., Leaf spot; McCurtain.

PETALOSTEMON

- P. MULTIFLORUS Nutt., ROUNDHEADED PRAIRIE-CLOVER.
Pyrenophora comata (Auers. & Niessl) Sacc., Pottawatomie.

PHALARIS

- P. ARUNDINACEA L., REED CANARYGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.
- P. CAROLINIANA Walt., CAROLINA CANARYGRASS.
Puccinia graminis Pers., Stem rust.

PHASEOLUS

- P. AUREUS Roxb., MUNG BEAN.
Erysiphe polygoni DC., Powdery mildew; Carter, Payne
Marmor phaseoli Holmes, Mosaic; Payne.
Sclerotium rolfsii Sacc., Southern blight; Le Flore.
- P. LUNATUS L., LIMA BEAN.
Diaporthe phaseolorum (Cke. & Ell.) Sacc., Pod blight and Leaf spot.
Heterodera marioni (Cornu) Goodey, Root knot; McClain, Payne.
Macrophomina phaseoli (Maubl.) Ashby, Ashy stem blight.
- P. VULGARIS L., BEAN.
Isariopsis griseola Sacc., Angular leaf spot.
Macrophomina phaseoli (Maubl.) Ashby, Ashy stem blight; Le Flore, Payne.
Phymatotrichum omnivorum (Shear) Dug., Root rot.

PHOTINIA

- P. VILLOSA (Thunb.) DC., ORIENTAL PHOTINIA.
Cytospora sp., Dieback; Payne.
Fusicladium photinicola McClain, Scab; Payne.

PHRAGMITES

- P. COMMUNIS Trin., COMMON REED.
Claviceps purpurea (Fr.) Tul., Ergot.

PHYSALIS

- P. MOLLIS Nutt., VELVETY GROUNDCHERRY.
Phyllosticta sp., Leaf spot; Payne.

PHYTOLACCA

- P. AMERICANA L., COMMON POKEBERRY.
Diaporthe arctii (Lasch) Nit.; Payne.

PINUS

- P. NIGRA var. AUSTRIACA (Hoess) Aschers. & Graebn.,
AUSTRIAN PINE.
Sphaeropsis ellisii Sacc., Tip blight.
- P. RESINOSA Ait., RED PINE.
Dothistroma pini Hulbary, Needle blight; Payne.

PLANTAGO

- P. MAJOR L., RIPPLESEED PLANTAIN.
Sphaceloma plantaginis Jenkins & Bitancourt, Scab;
Payne.
- P. RUGELLI Dcne., BLACKSEED PLANTAIN.
Sphaceloma plantaginis Jenkins & Bitancourt, Scab;
Payne.

PLATANUS

- P. OCCIDENTALIS L., AMERICAN PLANETREE:
SYCAMORE.
Phomopsis scabra (Sacc.) Trav., on twigs; Pawnee.
Phoradendron flavescens (Pursh) Nutt., Mistletoe; Mc-
Curtain.
Stereum fasciatum Schw., Wood rot; Pawnee.

POA

- P. ANNUA L., ANNUAL BLUEGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.
- P. COMPRESSA L., CANADA BLUEGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.
Colletotrichum graminicolum (Ces.) G. W. Wils., An-
thraxnose; Cimarron.
- P. PRATENSIS L., KENTUCKY BLUEGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.

POLYGONUM

- P. PERSICARIA L., SPOTTED LADYSTHUMB.
Ascochyta biguttulata Daniels, Leaf spot; Payne.
Puccinia polygoni-amphibii var. *persicariae* (Str.)
Arth., Rust; Payne.

POPULUS

- P. ALBA L., WHITE POPLAR.
Schizophyllum commune Fr., Sapwood rot; Le Flore.
- P. DELTOIDES Marsh., EASTERN POPLAR: COTTONWOOD.
Phymatotrichum omnivorum (Shear) Dug., Root rot.

PROBOSCIDEA

- P. JUSSIEUI Steud., COMMON DEVILSCLAWS.
Cercospora beticola Sacc., Leaf spot; Oklahoma.

PROSOPIS

- P. GLANDULOSA Torr., MESQUITE.
Phyllosticta juliflora Ell. & Barth., Leaf spot; Payne.
Ravenelia arizonica Ell. & Ev., Leaf rust; Major.

PRUNUS

- P. AMERICANA Marsh., AMERICAN PLUM.
Dibotryon morbosum (Schw.) Theiss. & Syd. Black knot; Payne.
- P. ARMENIACA L., APRICOT.
Cladosporium carpophilum Thum., Scab.
- P. LANATA (Sudw.) Mack. & Bush., INCH PLUM.
Coccomyces prunophorae Higgins, Leaf spot; Oklahoma.
- P. SP., PLUM.
Heterodera marioni (Cornu) Goodey, Root knot; McClain.

PSORALEA

- P. DIGITATA Nutt., DIGITATE SCURFPEA.
Parodiella perisporioides (Berk. & Curt.) Speg., Black spot; Payne.

PUNICA

- P. GRANATUM L., POMEGRANATE.
Corticium stevensii Burt, Thread blight; Payne.
Phomopsis sp., on twigs; Payne.

QUERCUS

- Q. MACROCARPA Michx., BUR OAK.
Actinopelte dryina (Sacc.) Hoehn., Leaf spot; McCurtain.
Cronartium quercuum (Berk.) Miyabe, Leaf rust; Payne.

- Q. MARILANDICA Muench., BLACKJACK OAK.
Actinopelte dryina (Sacc.) Hoehn., Leaf spot; Ottawa.
- Q. MUHLENBERGII Engelm., CHINKAPIN OAK.
Phomopsis quercinum (Sacc.) Hoehn., Twig canker; Pawnee.
- Q. NIGRA L., WATER OAK.
Actinopelte dryina (Sacc.) Hoehn., Leaf spot; Le Flore.
Marssonina martini (Sacc. & Ell.) P. Magn., Leaf spot; Le Flore.
- Q. RUBRA L. (*Q. falcata* Michx.) SOUTHERN RED OAK.
Actinopelte dryina (Sacc.) Hoehn., Leaf spot; Ottawa.
- Q. STELLATA Wang., POST OAK.
Actinopelte dryina (Sacc.) Hoehn., Leaf spot; Payne.
- Q. VELUTINA Lam., BLACK OAK.
Actinopelte dryina (Sacc.) Hoehn., Leaf spot; Payne.
Monochaetia desmazierii Sacc., Leaf spot; Le Flore.

RAPHANUS

- R. SATIVUS L., GARDEN RADISH.
Heterodera marioni (Cornu) Goodey, Root knot; Payne.

RHEUM

- R. RHAPONTICUM L., GARDEN RHUBARB.
Colletotrichum erumpens Sacc., Anthracnose; Payne.
Phyllosticta straminella Bres., Stem spot; Payne.

RHUS

- R. GLABRA L., SMOOTH SUMAC.
Lophodermium petiolicolum Fckl.; Payne.
- R. TYPHINA L., STAGHORN SUMAC.
Nectria cinnabarina Tode ex Fr., Canker; Garfield.

RICINUS

- R. COMMUNIS L., CASTORBEAN.
Heterodera marioni (Cornu) Goodey, Root knot; McClain.

ROSA

- R. CAROLINA L., CAROLINA ROSE.
Diplocarpon rosae Wolf, Blackspot; Haskell, Muskogee.
- R. CHINENSIS Jacq., CHINESE ROSE.
Diplocarpon rosae Wolf, Blackspot; Payne.
- R. FOLIOLOSA Nutt., LEAFY ROSE.
Cercospora rosicola Pass., Leaf spot; Garvin, Le Flore, Murray, Okfuskee, Ottawa, Payne, Pottawatomie, Tulsa.

- R. GALLICA L., FRENCH ROSE.
Diplocarpon rosae Wolf, Blackspot; Payne.
- R. LAEVIGATA Michx., CHEROKEE ROSE.
Cercospora rosicola Pass., Leaf spot; McCurtain, Muskogee.
- R. SETIGERA Michx., PRAIRIE ROSE.
Cercospora rosicola Pass., Leaf spot; Mayes, McCurtain, Payne.
- R. SUFFULTA Grene, SUNSHINE ROSE.
Cercospora rosicola Pass., Leaf spot; Craig.
- R. VIRGINIANA Mill., VIRGINIA ROSE.
Cercospora rosicola Pass., Leaf spot; Cherokee.
- R. WOODSII Lindl., WOODS ROSE.
Cercospora rosicola Pass., Leaf spot; Noble.
Diplocarpon rosae Wolf, Blackspot; Beaver.
- R. SP., ROSE (Cult.).
Cladosporium sp., Bud blight; Alfalfa.

RUBUS

- R. SP., YOUNGBERRY.
Elsinoe veneta (Speg.) Jenkins, Anthracnose; Adair, Bryan, Choctaw, Haskell.

SAGITTARIA

- S. LATIFOLIA Willd., COMMON ARROWHEAD.
Cercospora sagittariae Ell. & Kell., Leaf spot; Haskell.

SALIX

- S. ALBA var. VITELLINA (L.) Stokes, YELLOWSTEM WHITE WILLOW.
Cytospora chrysosperma Pers. ex Fr., Dieback; Payne.
- S. SP., WILLOW.
Discella carbonacea (Fr.) Berk. & Br., Twig blight; Logan.

SAPINDUS

- S. DRUMMONDII Hook. & Arn., WESTERN SOAPBERRY.
Phomopsis sp., on branches; Payne.

SAURURUS

- S. CERNUUS L., COMMON LIZARDTAIL.
Ramularia saururi (Ell. & Ev.) Tharp, Leaf spot; Delaware, McCurtain.

SCROPHULARIA

- S. MARILANDICA L., MARYLAND FIGWORT.
Septoria scrophulariae Pk., Leaf spot; Payne.
- S. NEGLECTA Rydb.
Septoria scrophulariae Pk., Leaf spot; Payne.

SECALE

- S. CEREALE L., RYE.
Scolecotrichum graminis Fckl., Brown stripe; Garfield.

SETARIA

- S. GENICULATA (Lam.) Beauv., KNOTROOT BRISTLE-GRASS.
Cercospora setariicola Tehon & Daniels, Leaf spot; McCurtain.
- S. LUTESCENS (Weigel) F. T. Hubb., YELLOW BRISTLE-GRASS.
Sporotrichum peribuyense Speg., Leaf blister.
- S. VIRIDIS (L.) Beauv., GREEN BRISTLEGRASS.
Piricularia grisea (Cke.) Sacc., Gray leaf spot; Payne, Woods.

SMILACINA

- S. RACEMOSA (L.) Desf., FEATHER SOLOMONPLUME.
Sphaeropsis cruenta (Fr.) Gilman & Archer, Leaf spot; McCurtain.

SMILAX

- S. HERBACEA L., CARRIONFLOWER GREENBRIER.
Dothiorella smilacina (Pk.) Petr. & Syd., Leaf spot; Bryan, Cleveland.
- S. HISPIDA Muhl., BRISTLY GREENBRIER.
Dothiorella smilacina (Pk.) Petr. & Syd., Leaf spot; Kay, Murray, Payne.
- S. ROTUNDIFOLIA L., COMMON GREENBRIER.
Cercospora smilacina Sacc., Leaf spot; McCurtain.
- S. SP., GREENBRIER.
Pestalotia clavata Cke. & Ell., Leaf spot; Pushmataha.

SOJA

- S. MAX (L.) Piper, SOYBEAN.
Heterodera marioni (Cornu) Goodey, Root knot; Muskogee.
Phomopsis sojae Lehm., Stem blight; Le Flore, Payne.

Phyllosticta glycineum Tehon & Daniels, Leaf spot; Payne.
Sclerotium rolfsii Sacc., Southern blight; Le Flore.

SOLANUM

- S. MELONGENA L., GARDEN EGGPLANT.
Heterodera marioni (Cornu) Goodey, Root knot; McClain, Pittsburg.
- S. SP.
Erysiphe cichoracearum DC., Powdery mildew; Le Flore.

SOLIDAGO

- S. HISPIDA Muhl., HAIRY GOLDENROD.
Puccinia extensicola var. *solidaginis* (Schw.) Arth., Rust; Le Flore.
- S. SP., GOLDENROD.
Septoria bacilligera Wint., Leaf spot; Pawnee.

SOPHORA

- S. JAPONICA L., JAPANESE PAGODATREE.
Phyllosticta sophorae Ell. & Ev., Leaf spot; Payne.

SORGHASTRUM

- S. NUTANS (L.) YELLOW INDIANGRASS.
Colletotrichum graminicolum (Ces.) G. W. Wils., Anthracnose; Cleveland.

SORGHUM

- S. VULGARE Pers., SORGHUM.
Fusarium moniliforme Sheldon, Seedling blight.
Helminthosporium sativum Pam., King, & Bakke, Root rot.
Phyllosticta sorghina Sacc., Leaf spot.
Rhizoctonia solani Kuhn, Secondary root rot.
- X S. VULGARE Pers. x S. VULGARE var. SUDANENSIS (Piper) Hitchc.
Puccinia purpurea Cke., Rust; Payne.

SPARTINA

- S. PECTINATA Link, PRAIRIE CORDGRASS.
Puccinia distichlidis Ell. & Ev., Rust.

SPECULARIA

- S. PERFOLIATA (L.) A.DC., CLASPING VENUSLOOK-
INGGLASS.
Ustilago speculariae Stevenson, Smut; Pittsburg.

SPINACIA

- S. OLERACEA L., SPINACH.
Cladosporium macrocarpum Preuss, Leaf mold; Mus-
kogee.

SPOROBOLUS

- S. AIROIDES Torr., ALKALI SACATON.
Anguina sp., Inflorescence gall; Woodward.
- S. CLANDESTINUS (Spreng.) Hitchc., HIDDEN DROP-
SEED.
Colletotrichum graminicolum (Ces.) G. W. Wils., An-
thrachnose; Oklahoma.
Selenophoma donacis (Pass.) Srague & A. G. Johns.
var., Speckle; Oklahoma.

STIPA

- S. COMATA Trin. & Rupr., NEEDLEANDTHREAD.
Ustilago nummularia Speg., Stem smut; Woodward.

STROPHOSTLES

- S. LEIOSPERMA (Torr. & Gray) Piper.
Phyllosticta phaseolina Sacc., Leaf spot; Osage, Payne.
Uromyces phaseoli var. *strophostylis* (Pers.) Arth.,
Rust; Logan, Osage, Payne, Tulsa.
- S. MISSOURIENSIS (Wats.) Small.
Uromyces phaseoli var. *strophostylis* (Pers.) Arth.,
Rust; Payne.

SYMPLOCOS

- S. TINCTORIA (L.) L'Her., COMMON SWEETLEAF.
Septoria symploci Ell. & Mart., Leaf spot; McCurtain.

TAMARIX

- T. HISPIDA Willd., KASHGAR TAMARISK.
Leptosphaeria tamaricis (Grev.) Sacc., on branches;
Payne.

TILIA

- T. AMERICANA L., AMERICAN LINDEN: BASSWOOD.
Eutypella stellulata (Fr.) Sacc., on branches; Pawnee.
Haplosporella tiliacea (Pk.) Petrak, on branches; Le Flore.
Nectria cinnabarina Tode ex Fr., Dieback; Le Flore, Payne.
Sphaeropsis sp., Leaf spot; Le Flore, Ottawa, Payne.
Valsa ambiens Pers. ex Fr., Canker; Le Flore.

TRIOSTEUM

- T. AURANTIACUM Bickn., ORANGE HORSEAGENTIAN.
Cylindrosporium triostei Kell. & Swingle, Leaf spot; Mayes.

TRIPSACUM

- T. DACTYLOIDES L., EASTERN GAMAGRASS.
Claviceps purpurea (Fr.) Tul., Ergot.

TRITICUM

- T. AESTIVUM L., WHEAT.
Ascochyta graminicola Sacc., Leaf spot; Alfalfa.

ULMUS

- U. ALTA Michx., WINGED ELM: WAHOO.
Gnomonia ulmea (Schw. ex Fr.) Thum., Black spot; Le Flore.
- U. AMERICANA L., AMERICAN ELM.
Diaporthe eres Nit., Twig canker; Pawnee.
Rhizoctonia solani Kuhn, Root rot, Damping off; Oklahoma.
Sphaeropsis ulmicola Ell. & Ev., Twig canker; Payne.
Stereum fasciatum Schw., Wood rot; Pawnee.
Taphrina ulmi (Fckl.) Johans., Leaf blister; Tulsa.
Uncinula macrospora Pk., Powdery mildew; Oklahoma.
Virus, Phloem necrosis; Oklahoma, Ottawa, Payne, Washington.
- U. PARVIFOLIA Jacq., CHINESE ELM.
Pratylenchus pratensis (DeMan) Filip., Nematode.
- U. PUMILA L., SIBERIAN ELM.
Gnomonia ulmea (Schw. ex Fr.) Thum., Black spot; Carter, Ottawa.
Polyporus gilvus (Schw.) Fr., Heart rot; Payne.
Pythium sp., Damping off; Cleveland, Oklahoma, Pottawatomie.
Rhizoctonia solani Kuhn, Damping off; Pottawatomie.

URTICA

- U. URENS L., DOG NETTLE.
Puccinia caricis var. *urticata* (Kern) Arth., Rust;
Cherokee.

VACCINIUM

- V. ARBOREUM Marsh., FARKLEBERRY.
Rhytisma vaccinii Schw. ex Fr., Tar spot; Pushmataha.

VERBENA

- V. HASTATA L., BLUE VERBENA.
Septoria verbenae Rob. & Desm., Leaf spot; Harper.
V. SIMPLEX Lehm., NARROWLEAF VERBENA.
Septoria verbenae Rob. & Desm., Leaf spot; Murray.

VERNONIA

- V. BALDWINI Torr., BALDWIN IRONWEED.
Erysiphe cichoracearum DC., Powdery mildew; Pushmataha.
V. MISSURICA Raf., MISSOURI IRONWEED.
Coleosporium vernoniae Berk. & Curt., Rust; Le Flore.

VICIA

- V. VILLOSA Roth, HAIRY VETCH.
Colletotrichum villosum Weimer, Anthracnose; Payne.
Kabatiella nigricans (Atk. & Edg.) Karak., False Anthracnose; Payne.

VIOLA

- V. MISSOURIENSIS Greene, MISSOURI VIOLET.
Cercospora granuliformis Ell. & Holw., Leaf spot;
Pawnee.
V. SP., VIOLET.
Heterodera marioni (Cornu) Goodey, Root knot; Bryan.

VITEX

- V. NEGUNDO var. INCISA Clarke, CUTLEAF CHASTETREE.
Cercospora viticis Ell. & Ev., Leaf spot; Payne.

VITIS

- V. RUPESTRIS Scheele, SAND GRAPE.
Eutypella vitis (Schw. ex Fr.) Ell. & Ev., on branches;
Payne.

XANTHIUM

- X. ITALICUM Mor., ITALIAN COCKLEBUR.
Puccinia canaliculata (Schw.) Lagerh., Rust; Okla-
homa.

ZIZYPHUS

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Leptoloma cognatum
- NAPICLADIUM ASTRAGALI
Astragalus mexicanus
- NECTRIA CINNABARINA
Firmiana simplex
Rhus typhina
Tilia americana
- PANAGROLAIMUS SUBE-
LONGATUS
Medicago sativa
- PARODIELLA PERISPOR-
IODES
Psoralea digitata
- PESTALOTIA CLAVATA
Smilax sp.
- PESTALOZZIELLA GOSSY-
PINA
Gossypium hirsutum
- PEZIZELLA OENOTHERAE
Fragaria sp.
- PHLEOSPORA ACERIS
Acer negundo
- PHOMA IMPERFECTA
Melilotus officinalis

- PHOMOPSIS JUNIPEROVORA
Juniperus virginiana
- PHOMOPSIS QUERCINUM
Quercus muhlenbergii
- PHOMOPSIS SCABRA
Platanus occidentalis
- PHOMOPSIS SOJAE
Soja max
- PHOMOPSIS SPP.
Firmiana simplex
Punica granatum
Sapindus drummondii
- PHORADENDRON FLAVESCENS
Platanus occidentalis
- PHYLLACHORA ERAGROSTIDIS
Eragrostis lugens
- PHYLLACHORA PUNCTUM
Panicum scribnerianum
- PHYLLOSTICTA CONVEXULA
Carya sp.
- PHYLLOSTICTA GLYCINEUM
Soja max
- PHYLLOSTICTA HIBISCINA
Hibiscus syriacus
- PHYLLOSTICTA JULIFLORA
Prosopis glandulosa
- PHYLLOSTICTA LIATRIDIS
Liatris scariosa
- PHYLLOSTICTA MENTZELIAE
Mentzelia nuda
- PHYLLOSTICTA MINIMA
Acer saccharinum
- PHYLLOSTICTA PANICI
Panicum virgatum
- PHYLLOSTICTA PAULOWNIAE
Paulownia tomentosa
- PHYLLOSTICTA PHASEOLINA
Strophostyles leiosperma
- PHYLLOSTICTA SOPHORAE
Sophora japonica
- PHYLLOSTICTA SORGHINA
Sorghum vulgare
- PHYLLOSTICTA STARBECKII
Cornus florida
- PHYLLOSTICTA STRAMINELLA
Rheum rhaponticum
- PHYLLOSTICTA SP.
Physalis mollis
- PHYMATOTRICHUM OMNIVORUM
Chilopsis linearis
Maclura pomifera
Phaseolus vulgaris
Populus deltoides
- PHYSALOSPORA OBTUSA
Acer negundo
Broussonetia papyrifera
- PHYSALOSPORA RHODINA
Gossypium hirsutum
- PIRICULARIA GRISEA
Echinochloa colonum
Eragrostis lugens
Paspalum stamineum
Setaria viridis
- PLEOSPORA SP.
Arachis hypogaea

POLYPORUS GILVUS

Ulmus pumila

PORIA RIMOSA

Juniperus sp.

PRATYLENCHUS PRATENSIS

*Ulmus parvifolia*PUCCINIA ANEMONES-
VIRGINIANAE*Anemone virginiana*

PUCCINIA CANALICULATA

*Xanthium italicum*PUCCINIA CARICIS var.
URTICATA*Urtica urens*

PUCCINIA CORONATA

Limnodia arkansana

PUCCINIA DISTICHLIDIS

Spartina pectinata

PUCCINIA EXTENSICOLA

Carex reniformis

PUCCINIA EXTENSICOLA

var. *SOLIDAGINIS**Solidago hispida*

PUCCINIA GRAMINIS

*Berberis vulgaris**Limnodia arkansana**Phalaris caroliniana*

PUCCINIA HETEROSPORA

*Abutilon incanum*PUCCINIA PERIDER-
MIOSPORA*Fraxinus pennsylvanica*var. *lanceolata*PUCCINIA POLYGONI-
AMPHIBII var. PERSI-
CARIAE*Polygonum persicaria*

PUCCINIA PURPUREA

Sorghum vulgare x*Sorghum vulgare* var. *sudanensis*

PUCCINIA SCHEDONNARDI

Muhlenbergia racemosa

PUCCINIA STAKMANI

Gossypium hirsutum

PUCCINIA SUBSTRIATA

Paspalum floridanum

PYRENOPHORA COMATA

Petalostemon multiflorus

PYTHIUM COMPECTENS

Pelargonium sp.

PYTHIUM ULTIMUM

Ipomoea batatas

PYTHIUM SP.

Ulmus pumila

RAMULARIA SAURURI

Saururus cernuus

RAVENELIA ARIZONICA

Prosopis glandulosa

RHIZOCTONIA SOLANI

*Fraxinus pennsylvanica*var. *lanceolata**Gysophila paniculata**Sorghum vulgare**Ulmus americana**Ulmus pumila*

RHYTISMA ACERINUM

Acer rubrum

RHYTISMA ILICINCOLUM

Ilex decidua

RHYTISMA VACCINII

Vaccinium arboreum

- SCHIZOPHYLLUM COMMUNE**
Malus sylvestris
Melia azedarach
Populus alba
- SCIRRHIA SPOROBOLI**
Muhlenbergia asperifolia
- SCLEROTIUM ROLFSII**
Capsicum frutescens
Phaseolus aureus
Soja max
- SCOLECOTRICHUM GRAMINIS**
Eragrostis secundiflora
Secale cereale
- SELENOPHOMA DONACIS**
var.
Sporobolus clandestinus
- SEPTORIA ARGEMONES**
Argemone alba
Argemone intermedia
- SEPTORIA ASCLEPIADICOLA**
Asclepias incarnata
- SEPTORIA BACILLIGERA**
Ambrosia trifida
Solidago sp.
- SEPTORIA CORNICOLA**
Cornus florida
Cornus racemosa
- SEPTORIA CRATAEGI**
Crataegus punctata
- SEPTORIA GAURINA**
Gaura filiformis var. *typica*
Gaura parviflora
Gaura suffulta
- SEPTORIA IRESINES**
Iresine celosia
- SEPTORIA PENTSTEMONIS**
Penstemon pallidus
- SEPTORIA SCROPHULARIAE**
Scrophularia marilandica
Scrophularia neglecta
- SEPTORIA SYMPLOCI**
Symplocos tinctoria
- SEPTORIA TECOMAE**
Campsis radicans
- SEPTORIA URTICAE**
Laportea canadensis
- SEPTORIA VERBENAE**
Verbena hastata
Verbena simplex
- SPHACELOMA PLANTAGINIS**
Plantago major
Plantago rugelii
- SHAEROPSIS CRUENTA**
Smilacina racemosa
- SPHAEROPSIS ELLISII**
Pinus nigra var. *austriaca*
- SPHAEROPSIS ULMICOLA**
Ulmus americana
- SPHAEROPSIS SP.**
Tilia americana
- SPHAEROTHECA PHYTOPHLYA**
Celtis occidentalis
- SPOROTRICHUM PERIBUYENSE**
Setaria lutescens
- STAGONOSPORA ATRIPLICIS**
Chenopodium ambrosioides
var. *anthelminticum*
- STEREUM FASCIATUM**
Juglans nigra
Platanus occidentalis
Ulmus americana
- STEREUM RAMEALE**
Cephalanthus occidentalis

TAPHRINA ULMI*Ulmus americana***UNCINULA MACROSPORA***Ulmus americana***UROMYCES ERAGROSTIDIS***Eragrostis lugens***UROMYCES PHASEOLI var.****STROPHOSTYLIS***Strophostyles leiosperma**Strophostyles missouriensis***UROMYCES PUNCTATUS***Astragalus hamosus***UROMYCES SILPHII***Juncus dudleyi***USTILAGO NUMMULARIA***Oryzopsis hymenoides**Stipa comata***USTILAGO SPECULARIAE***Specularia perfoliata***VALSA AMBIENS***Tilia americana***XANTHOMONAS VESICA-****TORIA***Brassica nigra***VIRUS DISEASES:****CROTALARIA MOSAIC***Crotalaria anagyroides**Crotalaria mundyi**Crotalaria spectabilis**Crotalaria striata**Crotalaria usaramoensis**Phaseolus aureus***MOSAIC***Astragalus dahuricus**Astragalus falcatus**Astragalus hamosus***PHLOEM NECROSIS***Ulmus americana***NONPARASITIC DISEASES:****SAND DROWN***Gossypium hirsutum***UNDETERMINED****DISEASES:****WITCHES'-BROOM***Arachis hypogaea*

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